Mission Valley Community Plan Update

DRAFT PROGRAM ENVIRONMENTAL IMPACT REPORT APPENDICES

SCH# 2017071066 | FEBRUARY 6, 2019

The City of SAN DIEGO



Mission Valley Community Plan Update
Draft Program Environmental Impact Report
Appendices
San Diego, California

February 6, 2019

SCH# 2017071066

Prepared for:
City of San Diego
Planning Department
1010 Second Avenue, Suite 1200, East Tower
San Diego, CA 92101

Appendix A: Notice of Preparation and Scoping Comments

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Date of Notice: July 28, 2017

PUBLIC NOTICE OF PREPARATION OF A PROGRAM ENVIRONMENTAL IMPACT REPORT AND A SCOPING MEETING

PLANNING DEPARTMENT

PUBLIC NOTICE: The City of San Diego as the Lead Agency has determined that the project described below will require the preparation of a Program Environmental Impact Report (PEIR) in compliance with the California Environmental Quality Act (CEQA). This Notice of Preparation of a PEIR and Scoping Meeting was publicly noticed and distributed on July 28, 2017. This notice was published in the SAN DIEGO DAILY TRANSCRIPT and placed on the City of San Diego website at:

http://www.sandiego.gov/city-clerk/officialdocs/notices/index.shtml

and on the Planning Department website at:

https://www.sandiego.gov/planning/programs/ceqa

SCOPING MEETING: A public scoping meeting will be held as a part of the Mission Valley Community Open House hosted by the City of San Diego's Planning Department on **August 12, 2017**, from 10:00 AM to 6:00 PM in the former Bath and Body Works across from Ruby's Diner at the Westfield Mission Valley Mall located at 1640 Camino Del Rio North, San Diego, CA, 92108. The environmental scoping station will be one of multiple stations at the Mission Valley Community Open House, where staff will provide information to the public about the project scope, environmental issues to be analyzed in the PEIR, and how to comment on the NOP. Written comments regarding the scope of environmental issues and alternatives to be analyzed within the proposed EIR will be accepted at the meeting.

Written/mail-in comments may also be sent to the following address: **Rebecca Malone, Environmental Planner, City of San Diego Planning Department, 1010 Second Avenue, Suite 1200, MS 413, San Diego, CA 92101 or e-mail your comments to PlanningCEQA@sandiego.gov with the Project Name and Project Number in the subject line** within 30 days of the date of the Public Notice above (August 27, 2017). Responsible agencies are requested to indicate their statutory responsibilities in connection with this project when responding. An EIR incorporating public input will then be prepared and distributed for the public to review and comment.

PROJECT NAME/NUMBER: Mission Valley Community Plan Update / Project No. 518009
COMMUNITY PLAN AREA: Mission Valley
COUNCIL DISTRICT: 7

PROJECT DESCRIPTION: The project is a comprehensive update of the Mission Valley Community Plan, which was originally adopted in 1985 and has undergone over 20 amendments since. As shown in attached Figure 1, Mission Valley is in the geographic center of the city, is accessible from I-5, I-8, I-15, I-805 and SR 163, and is served by the Green Line Trolley, which

connects Mission Valley to Downtown San Diego and the citywide transit network. Mission Valley is a regional center of offices, hotels, and retail businesses, with a growing residential community. The San Diego River lies at the foot of the valley, flowing east to west.

The Community Plan Planning Area is generally bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and Interstate 5 on the west, encompassing an area of approximately five square miles. Figure 2 shows the planning boundaries. Mission Valley is bordered by several other community planning areas: Old Town San Diego, Uptown, Greater North Park, Normal Heights, Kensington-Talmadge, and College Area to the south, Navajo to the east, Tierrasanta, Kearny Mesa, Serra Mesa, and Linda Vista to the north, and Mission Bay Park to the west.

The Community Plan is being updated through a community-driven process that entails community workshops and open houses, stakeholder meetings, online engagement, and other outreach activities. A subcommittee of the Mission Valley Community Planning Group is also actively engaged in the process. The updated Community Plan is anticipated to include policies and actions to foster a mixed-use, transit-oriented, and pedestrian-friendly Mission Valley community, promote additional housing to accommodate a diverse range of household sizes and incomes, enhance the San Diego River, and provide additional open spaces. More information on the project and efforts to date can be found on the project website https://www.sandiego.gov/planning/community/cpu/missionvalley

APPLICANT: City of San Diego, Planning Department

RECOMMENDED FINDING: Pursuant to Section 15060(d) of the CEQA Guidelines, it appears that the proposed project may result in significant environmental impacts in the following areas: **Air Quality, Biological Resources, Energy Conservation, Geology and Soils, Greenhouse Gas Emissions, Historical Resources, Public Safety/Hazardous Materials, Hydrology and Water Quality, Land Use, Noise, Paleontological Resources, Population and Housing, Public Services and Facilities, Public Utilities, Transportation/Circulation, Tribal Cultural Resources, and Visual Effects and Neighborhood Character.** Topics not proposed to be analyzed in the PEIR are Agricultural Resources and Mineral Resources due to a lack of presence of these resources in the Planning Area.

AVAILABILITY IN ALTERNATIVE FORMAT: To request this Notice in alternative format, call the Planning Department at (619) 235-5200 OR (800) 735-2929 (TEXT TELEPHONE).

ADDITIONAL INFORMATION: For environmental review information, contact Rebecca Malone at (619) 446-5371. For information regarding public meetings/hearings on this project, contact the Project Manager, Nancy Graham, at (619) 236-6891. This notice was published in the SAN DIEGO DAILY TRANSCRIPT and distributed on July 28, 2017.

Alyssa Muto
Deputy Director
Planning Department

DISTRIBUTION: See Attached
ATTACHMENTS: Figure 1: Mission Valley Regional Location
Figure 2: Mission Valley Community Plan Boundary

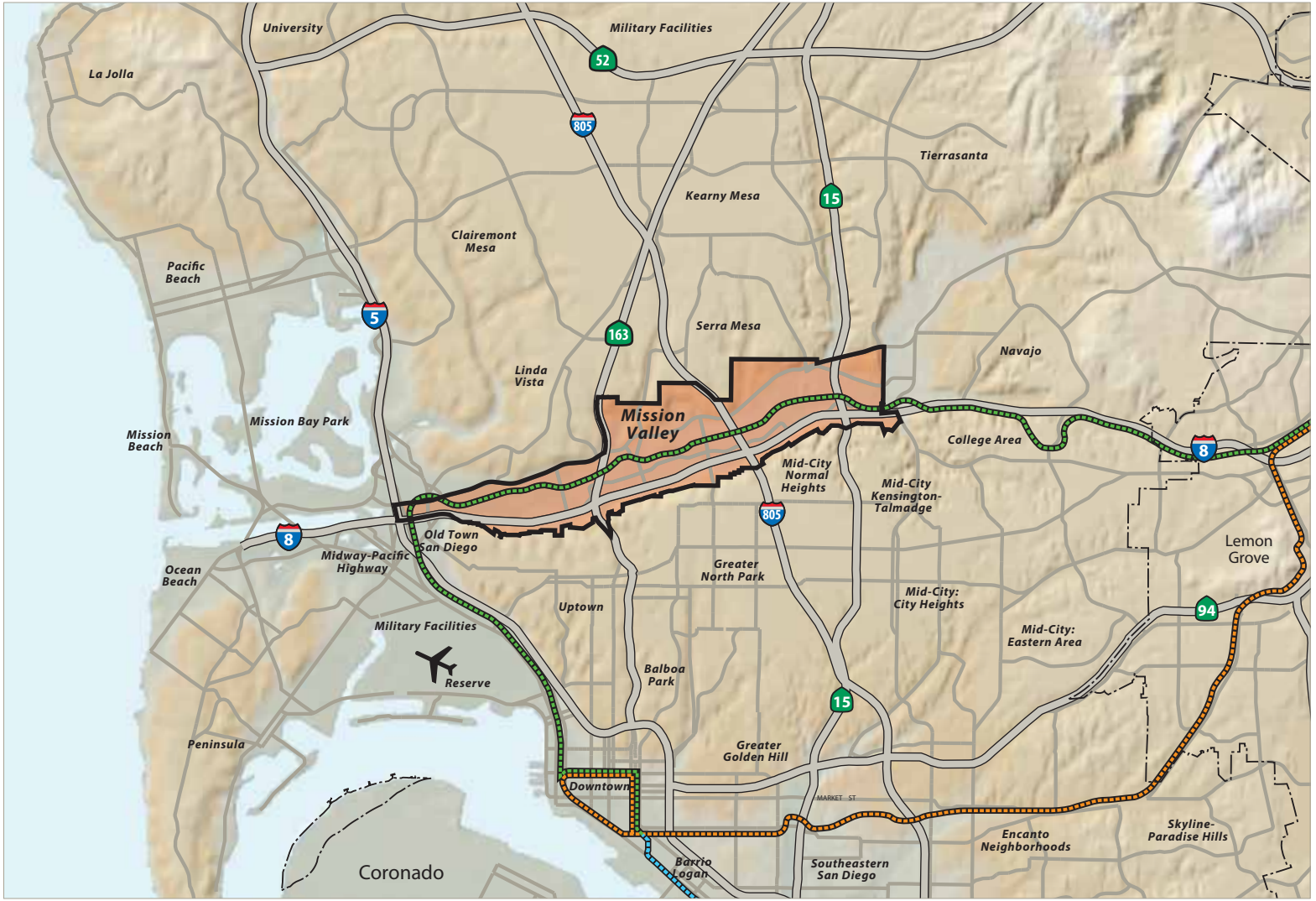
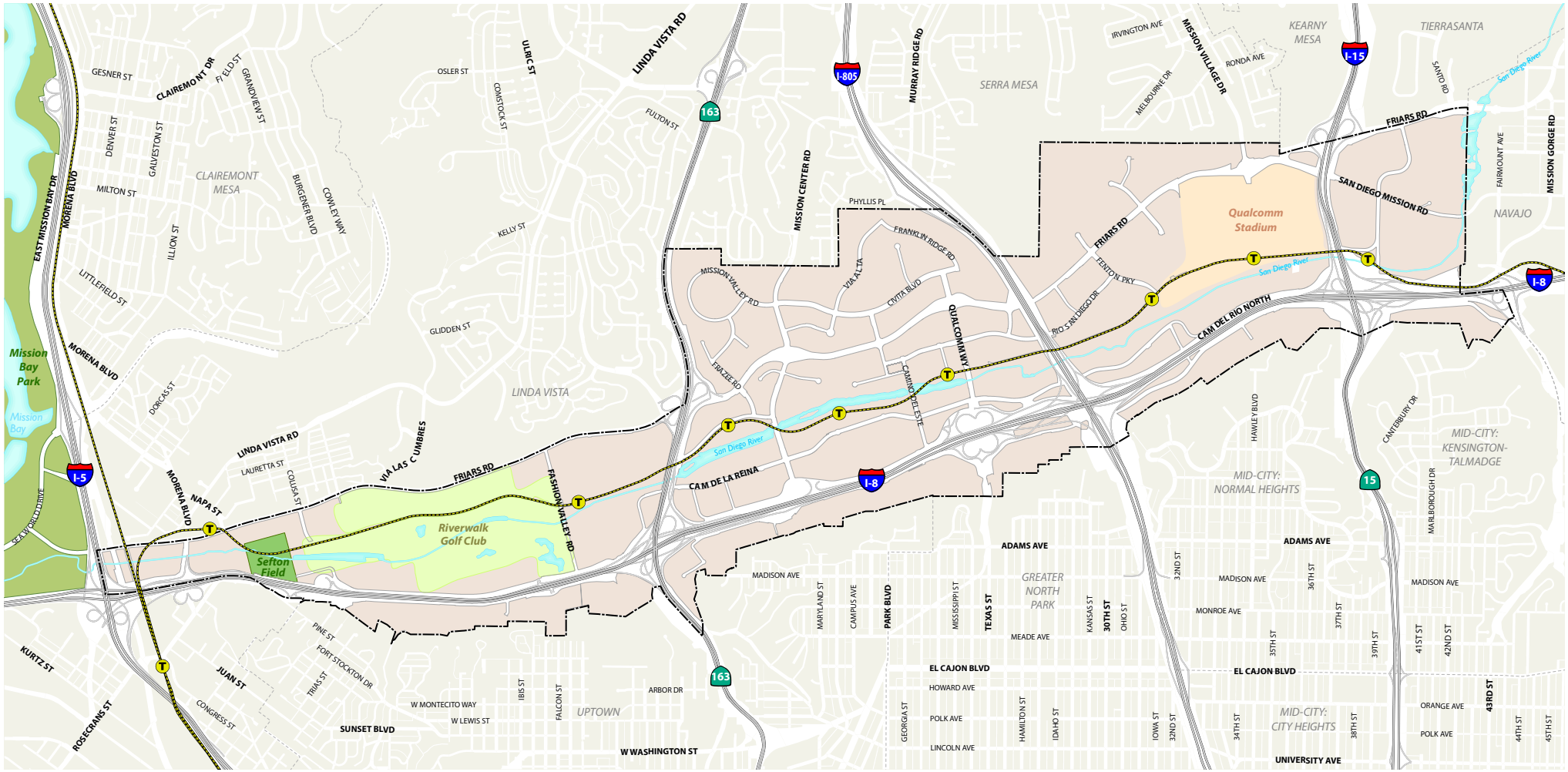


Figure 1:
Mission Valley
Regional Location

Source: City of San Diego, 2014; SanGIS Regional Data Warehouse, 2014; Dyett & Bhatia, 2015.

Figure 2: Mission Valley Community Plan Boundary



- Trolley Stops
- Light Rail
- Freeways
- Ramps
- Streams/Creeks
- Lakes/Ponds/Bays
- Mission Valley Community Plan Boundary
- Community Planning Areas

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Data Source: City of San Diego, 2015; SANGIS/SANDAG Regional GIS Data Warehouse, 2015. (www.sangis.org)
Dyett & Bhatia, 2015

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Councilmember Alvarez, District 8
Councilmember Gomez, District 9
Planning Department
- R. Malone
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- J. Murphy
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- B. Schoenfisch
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Making Conservation a California Way of Life.

August 21, 2017

11-SD-VAR
(5, 163, 805, 15, 8)
Mission Valley Community Plan Update
EIR NOP SCH# 2017071066

Rebecca Malone
City of San Diego
1010 Second Avenue, Suite 1200, MS 413
San Diego, CA 92101

Dear Ms. Malone:

The California Department of Transportation (Caltrans) appreciates the opportunity to comment on the Notice of Preparation for the Mission Valley Community Plan Update (Plan) Draft Environmental Impact Report (EIR), area served by Interstate 5 (I-5), State Route 163 (SR-163), Interstate 805 (I-805), Interstate 15 (I-15), and Interstate 8 (I-8). The mission of Caltrans is to provide a safe, sustainable, integrated, and efficient transportation system to enhance California's economy and livability. The Local Development-Intergovernmental Review (LD-IGR) Program reviews land use projects and plans to ensure consistency with our mission and state planning priorities of infill, conservation, and efficient development. To ensure a safe, efficient, and reliable transportation system, we encourage early consultation and coordination with local jurisdictions and project proponents on all development projects that utilize the multi-modal transportation network.

Transportation Impact Study

A Transportation Impact Study (TIS) is necessary to determine the proposed Plan's near-term and long-term impacts to State facilities, including an analysis of existing and proposed conditions.

- The geographic area examined in the TIS should include, at a minimum, all regionally significant arterial system segments and intersections, including State highway facilities where the project will add over 100 peak hour trips. State highway facilities that are experiencing noticeable delays should be analyzed in the scope of the traffic study for projects that add 50 to 100 peak hour trips.

- A focused analysis may be required for project trips assigned to a State highway facility that is experiencing significant delay, such as where traffic ques exceed ramp storage capacity. A focused analysis may also be necessary if there is an increased risk of a potential traffic accident. In addition, the TIS could also consider implementing vehicles miles traveled (VMT) analysis into the modeling projections.

- All freeway entrance and exit ramps where a proposed project will add a significant number of peak-hour trips that may cause any traffic queues to exceed storage capacities should be analyzed. If ramp metering is to occur, a ramp queue analysis for all nearby Caltrans metered on-ramps is required to identify the delay to motorists using the on-ramps and the storage necessary to accommodate the queuing. The effects of ramp metering should be analyzed in the traffic study. For metered freeway ramps, LOS does not apply. However, ramp meter delays above 15 minutes are considered excessive.

- Any increase in goods movement operations and its impacts to State highway facilities should be addressed in the TIS.

- The data used in the TIS should not be more than 2 years old.

- The study should use as a guideline the Caltrans Guide for the Preparation of Traffic Impact Studies. www.dot.ca.gov/hq/tpp/offices/ocp/igr_ceqa_files/tisguide.pdf.

- Please provide the electronic analysis, Synchro files version 8, and other technical appendices with the TIS to facilitate the review process.

Mitigation

Mitigation measures to State facilities should be included in TIS. Mitigation identified in the traffic study, subsequent environmental documents, and mitigation monitoring reports, should be coordinated with Caltrans to identify and implement the appropriate mitigation. This includes the actual implementation and collection of any "fair share" monies, as well as the appropriate timing of the mitigation. Mitigation improvements should be compatible with Caltrans concepts.

Mitigation measures for proposed intersection modifications are subject to the Caltrans Intersection Control Evaluation (ICE) policy (Traffic Operation Policy Directive 13-02). The policy requires all State Right of Way (R/W) projects modifying an intersection be evaluated for the various types of intersection control. Please refer to the policy for more information and requirements http://www.dot.ca.gov/trafficops/ice.html

Caltrans endeavors that any direct and cumulative impacts to the State Highway System be eliminated or reduced to a level of insignificance pursuant to the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) standards.

Complete Streets and Mobility Network

Caltrans views all transportation improvements as opportunities to improve safety, access and mobility for all travelers in California and recognizes bicycle, pedestrian and transit modes as integral elements of the transportation system. Caltrans supports improved transit accommodation through the provision of Park and Ride facilities, improved bicycle and pedestrian access and safety improvements, signal prioritization for transit, bus on shoulders, ramp improvements, or other enhancements that promotes a complete and integrated

transportation system. Early coordination with Caltrans, in locations that may affect both Caltrans and the City of San Diego, is encouraged.

To reduce greenhouse gas emissions and achieve California's Climate Change target, Caltrans is implementing Complete Streets and Climate Change policies into State Highway Operations and Protection Program (SHOPP) projects to meet multi-modal mobility needs. Caltrans looks forward to working with the City to evaluate potential Complete Streets projects.

Land Use and Smart Growth

Caltrans recognizes there is a strong link between transportation and land use. Development can have a significant impact on traffic and congestion on State transportation facilities. In particular, the pattern of land use can affect both local vehicle miles traveled and the number of trips. Caltrans supports collaboration with local agencies to work towards a safe, functional, interconnected, multi-modal transportation system integrated through applicable "smart growth" type land use planning and policies.

The City should continue to coordinate with Caltrans to implement necessary improvements at intersections and interchanges where the agencies have joint jurisdiction, as well as coordinate with Caltrans as development proceeds and funds become available to ensure that the capacity of on-/off-ramps is adequate.

Any work performed within Caltrans right-of-way (R/W) will require discretionary review and approval by Caltrans and an encroachment permit will be required for any work within the Caltrans R/W prior to construction. As part of the encroachment permit process, the applicant must provide an approved final environmental document including the California Environmental Quality Act (CEQA) determination addressing any environmental impacts within the Caltrans's R/W, and any corresponding technical studies.

Caltrans appreciates the continued coordination with City staff and community representatives on this community plan update. If you have any questions, please contact Vanessa De La Rosa, Community Planning Liaison, at (619)688-4289 or by e-mail sent to vanessa.delarosa@dot.ca.gov.

Sincerely,

ROY ABBOUD, Acting Branch Chief
Local Development and Intergovernmental Review Branch

State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
South Coast Region
3883 Ruffin Road
San Diego, CA 92123
(858) 467-4201
www.wildlife.ca.gov

EDMUND G. BROWN JR., Governor
CHARLTON H. BONHAM, Director

August 24, 2017

Rebecca Malone, Environmental Planner
City of San Diego Planning Department
1010 Second Avenue, Suite 1200, MS 413
San Diego, California 92101
PlanningCEQA@sandiego.gov

Subject: Comments on the Notice of Preparation for the Mission Valley Community Plan Update, City of San Diego, San Diego County, California (Project # 518009, SCH # 2017071066)

Dear Ms. Malone:

The California Department of Fish and Wildlife (Department) has reviewed the above-referenced Notice of Preparation (NOP) for the Mission Valley Community Plan Update (proposed project). The following statements and comments have been prepared pursuant to the Department's authority as Trustee Agency with jurisdiction over natural resources affected by the project (California Environmental Quality Act, [CEQA] Guidelines § 15386) and pursuant to our authority as a Responsible Agency under CEQA Guidelines section 15381 over those aspects of the proposed project that come under the purview of the California Endangered Species Act (CESA; Fish and Game Code [FGC] § 2050 et seq.) and FGC section 1600 et seq.

The Department also administers the Natural Community Conservation Planning (NCCP) program. The City of San Diego (City) participates in the NCCP program by implementing its approved Multiple Species Conservation Program (MSCP) Subarea Plan (SAP) and through the planning of the City's Draft Vernal Pool Habitat Conservation Plan.

The proposed project would update of the Mission Valley Community Plan, originally adopted in 1985 and amended more than 20 times. The updated Mission Valley Community Plan is anticipated to include policies and actions to foster a mixed-use, transit-oriented, and pedestrian-friendly Mission Valley community, promote additional housing, enhance the San Diego River, and provide additional open spaces.

Mission Valley is in the geographic center of the City and is a regional center of offices, hotels, retail businesses, and a growing residential community. The San Diego River lies at the foot of the valley, and flows east to west. The Mission Valley Community Planning area is generally bounded by Friars Road and the northern slopes of the valley to the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley to the south, and Interstate 5 to the west, encompassing an area of approximately 5 square miles.

The Department offers the following comments and recommendations to assist the City in avoiding, minimizing, and adequately mitigating project-related impacts to biological resources.

Based on the limited project details given in the NOP, we recommend that the Programmatic Environmental Impact Report (PEIR) provide a clear description of the purpose, goals, and objectives for the Mission Valley Community Plan update. This information is critical in

determining the most appropriate alternative while meeting most of the project objectives and avoiding and minimizing impacts to biological resources.

The Mission Valley Community Plan Update has the potential to impact both directly and indirectly, riparian habitat and sensitive species within the San Diego River Corridor by introducing additional public uses within and immediately adjacent to the San Diego River corridor, and by increasing the density of development adjacent to the San Diego River. The Department has expressed concern for locating intensive land uses, developments within the San Diego River corridor, and the edge effects developments have on biological resources located therein.

The Department considers the proposed update to the Mission Valley Community Plan as a prime opportunity, and most logical juncture to develop Area Specific Management Directives (as defined under the City MSCP SAP), and finalize the draft Mission Valley Natural Resources Management Plan (NRMP)—an element the Department previously opined as being critical for ensuring compliance with the City's SAP. The City began working on the draft NRMP in 2003 utilizing a Local Assistance Grant provided by the Department. The Department provided comments on the need for the City to implement measures to adequately manage the San Diego River corridor, wildlife resources, and associated habitats. Portions of the San Diego River corridor, including parts of the Mission Valley Community Planning area, are identified by the City's SAP as "urban habitat areas." Specifically, the SAP states that "t[T]he lands [urban habitat areas] are managed pursuant to existing Natural Resource Management Plans, Landscape Maintenance Districts, as conditions of permit approval, or are currently unmanaged."

The Department believes an opportunity exists for the Mission Valley Community Plan update to focus on the protection, expansion, and management of habitat within the plan's boundaries. The City's SAP identifies the San Diego River corridor as a habitat linkage between core resource areas. Table 6-1: Vegetation Types (City of San Diego Website[1]) identifies 86 percent of the Mission Valley Community planning area as urban/developed, 4 percent of the area as disturbed, and approximately 14 percent of the area as various habitat types. Generally, the City's urban habitat areas are subject to direct, indirect, and spillover effects of developments, recreation, and itinerant populations at levels not typically experienced by rural areas. It is for these reasons that a strong management directive for the biological resources associated with the San Diego River corridor is critical to protecting the Multiple Habitat Planning Area (MHPA), and fulfilling the City's SAP.

The Department also manages the San Diego River Ecological Reserve, which is within the Mission Valley Community Plan area and is generally bounded by Ward Road to the east, San Diego Mission Road to the north, Fairmount Avenue to the east, and Camino Del Rio North, to the south. The San Diego River Ecological Reserve is subject to the same pressures identified for the urban habitats above. The San Diego Ecological Reserve is particularly sensitive to unauthorized access; the Department appreciates advance notice and cooperation of any management activities, projects, or developments proposed within near proximity of the Ecological Reserve.

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1 *City of San Diego, https://www.sandiego.gov/sites/default/files/6._natural_environment_and_open_space.pdf*

Table 6-2: Special Status Species (City of San Diego website[2]) and the associated narrative identifies five special status species identified by the California Natural Diversity Database (CNDDB). Though the CNDDB is a valuable tool for tracking positive species occurrences, it is important to note the limitations of relying on the CNDDB for establishing species presence, extant, or absence. CNDDB is a positive detection database, and as such only reports known locations of sensitive species in locations that have been previously surveyed. For these reasons, it is important that the PEIR identify the need for site-specific surveys for future projects having the potential to affect native or disturbed habitats within the Mission Valley Community Plan Area.

We appreciate the opportunity to comment on the Mission Valley Community Plan Update NOP. Questions regarding this letter and further coordination on these issues should be directed to Eric Weiss at (858) 467-4289 or eric.weiss@wildlife.ca.gov.

Sincerely,

David Mayer

for Gail K. Sevrens
Environmental Program Manager
South Coast Region

ec: State Clearinghouse, Sacramento
David Zoutendyk, U.S. Fish and Wildlife Service, Carlsbad

References

City of San Diego. March 1997. Multiple Species Conservation Program, City of San Diego Subarea Plan. City of San Diego Community and Economic Development Department.

City of San Diego. September 2016. Draft City of San Diego Vernal Pool Habitat Conservation Plan. https://www.sandiego.gov/planning/programs/mscp/vphcp .

---

2 *Id.*

Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

August 3, 2017

Ms. Rebecca Malone
Environmental Planner
City of San Diego Planning Department
1010 Second Avenue, Suite 1200, MS 413
San Diego, California 92101
PlanningCEOA@sandiego.gov

NOTICE OF PREPARATION (NOP) FOR A PROGRAM ENVIRONMENTAL IMPACT REPORT (PEIR) FOR MISSION VALLEY COMMUNITY PLAN UPDATE PROJECT (PROJECT NO. 518009) (SCH# 2017071066)

Dear Ms. Malone:

The Department of Toxic Substances Control (DTSC) has reviewed the subject NOP. The following project description is stated in the NOP: "The project is a comprehensive update of the Mission Valley Community Plan, which was originally adopted in 1985 and has undergone over 20 amendments since. As shown in attached Figure 1, Mission Valley is in the geographic center of the city, is accessible from I-5, I-8, I-15, I-805 and SR 163, and is served by the Green Line Trolley, which connects Mission Valley to Downtown San Diego and the citywide transit network. Mission Valley is a regional center of offices, hotels, and retail businesses, with a growing residential community. The San Diego River lies at the foot of the valley, flowing east to west."

Based on the review of the submitted document, DTSC has the following comments:

1. The Environmental Hazards and Community Health states, "The study documents sites that may have been impacted by hazardous materials or wastes; identifies the potential impacts of hazardous materials and wastes; and discusses measures that can be implemented to reduce or mitigate their potential impacts. This study reviews federal, state, local and tribal databases, as well as online regulatory databases (e.g., Geotracker and Envirostor websites). These sources identified 46 sites". If there are any recognized environmental conditions in the project area, then proper investigation, sampling and remedial actions overseen by the appropriate regulatory agencies should be conducted prior to the new development or any construction.

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2. If the proposed project involves the demolition of existing structures, lead-based paints or products, mercury, and asbestos containing materials (ACMs) should be addressed in accordance with all applicable and relevant laws and regulations.

3. If the site was used for agricultural or related activities, residual pesticides may be present in onsite soil. DTSC recommends investigation and mitigation, as necessary, to address potential impact to human health and environment from residual pesticides.

4. DTSC recommends evaluation, proper investigation and mitigation, if necessary, of onsite areas with current or historic PCB-containing transformers.

5. Aerially deposited lead (ADL) is generally encountered in unpaved or formerly unpaved areas adjoining older roads, primarily as a result of deposition from historical vehicle emissions when gasoline contained lead. As the project site is crossed by/adjacent to I-5, I-8, I-15, I-805 and SR 163 Freeways, this issue should be addressed in accordance with all applicable and relevant laws and regulations.

6. Railroad easements and rail yards are commonly impacted due to spillage of chemicals, fuels, and lubricants, and use of pesticides and herbicides along the tracks for weed control. If railroads are present on the project site, DTSC recommends assessment/investigation and/or cleanup as necessary to confirm that no residual contamination associated with rail operation is present onsite.

7. If the project plans include discharging wastewater to a storm drain, you may be required to obtain an NPDES permit from the overseeing Regional Water Quality Control Board (RWQCB).

8. If the project development involves soil export/import, proper evaluation is required. If soil contamination is suspected or observed in the project area, then excavated soil should be sampled prior to export/disposal. If the soil is contaminated, it should be disposed of properly in accordance with all applicable and relevant laws and regulations. In addition, if imported soil was used as backfill onsite and/or backfill soil will be imported, DTSC recommends proper evaluation/sampling as necessary to ensure the backfill material is free of contamination.

9. If during construction/demolition of the project, soil and/or groundwater contamination is suspected, construction/demolition in the area should cease and appropriate health and safety procedures should be implemented. If it is determined that contaminated soil and/or groundwater exist, the PEIR should identify how any required investigation and/or remediation will be conducted and the appropriate government agency to provide regulatory oversight.

If you have any questions regarding this letter, please contact me at (714) 484-5380 or email at Johnson.Abraham@dtsc.ca.gov.

Sincerely,

Johnson P. Abraham
Project Manager
Brownfields Restoration and School Evaluation Branch
Brownfields and Environmental Restoration Program – Cypress

kl/sh/ja

cc: Governor's Office of Planning and Research (via e-mail)
State Clearinghouse
P.O. Box 3044
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State.clearinghouse@opr.ca.gov

Mr. Dave Kereazis (via e-mail)
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Dave.Kereazis@dtsc.ca.gov

Mr. Shahir Haddad, Chief (via e-mail)
Schools Evaluation and Brownfields Cleanup
Brownfields and Environmental Restoration Program - Cypress
Shahir.Haddad@dtsc.ca.gov

CEQA# 2017071066

From: Yolanda France
To: PLN_PlanningCEQA; Graham, Nancy
Subject: Mission Valley Community Plan Update / Project No. 518009, Email Public Comment by August 27, 2017
Date: Sunday, August 27, 2017 6:47:09 PM

Dear Ms. Rebecca Malone and Ms. Nancy Graham,

I hope these comments are properly addressed to you.

My concerns and suggestions are:

1. Inclusion of Mission Village, the property at 1605 to 1621 Hotel Circle South, in the Mission Valley Community Update Plan, a residential property which I do not find in the Plan, primarily relative to environmental and mobility factors, such as a lack of walking paths along most of Hotel Circle South.

2. Traffic backups on Mission Center Road between Friars and I-8 and on Camino de la Reina between Mission Center Road and Hotel Circle.

A pedestrian bridge from where In Cahoots is to the Food 4 Less. This will encourage walking from Civita and the two large Park Villas residential complexes to Food 4 Less, Hazard Center and the trolley station. It is safer to walk across the road where In Cahoots is than in certain directions at the intersections of this very long block because cars are not expecting pedestrians at these intersections; a pedestrian bridge across Friars from the Food 4 Less area to the CVS/Ralph's shopping center will also encourage pedestrian shopping and trolley use. These two bridges will create a safe walking circuit. A Mission Center Road Bridge will also prevent very unsafe walking when roads are flooded and people are trying to get home by using the Friars Road Exit where there is no sidewalk.

Also in this area, parking deficits in the Trader Joe's shopping center parking lot. Eventually the 88 bus loop could be extended beyond Hotel Circle/Fashion Valley to the residential areas around the shopping center where Ross is, then Friars and Civita to Mission Center Road, taking Camino de la Reina again back to Fashion Valley and Old Town.

Finally, anything that can be done to make the Valley's central artery naturally greener, shadier and more attractive, i.e. the center of Mission Center Road, would add to the core sense of place and wellbeing in celebrating the natural green of this river valley.

3. Concern for the loss of the pristine, close-to-nature feel offered by flora and fauna along the current riverwalks in favor of man-made features/landscaping including cement, terraces, metal, tarps, rocks and possible narrowing of the river.

Thank you for your consideration.

Yolanda France

From: Denise Davidson
To: PLN_PlanningCEQA
Subject: Mission Valley Community Plan Update on Future Land Use
Date: Saturday, August 12, 2017 9:29:25 AM

Dear Rebecca Malone;

I am requesting that everyone involved in the Mission Valley Community Plan and EIR study regarding the proposal of adding 17,000 + housing units to expand the boundary for the traffic study that will include the Serra Mesa/Kearny Mesa community.

Thank you and I look forward to your response.

Denise Davidson
denisedavidson1884@gmail.com

STATE OF CALIFORNIA
NATIVE AMERICAN HERITAGE COMMISSION
Environmental and Cultural Department
1550 Harbor Blvd., Suite 100
West Sacramento, CA 95691
Phone (916) 373-3710

Edmund G. Brown Jr., Governor

August 1, 2017

Rebecca Malone
City of San Diego
1010 Second Avenue, Suite 1200, MS 413
San Diego, CA 92101

Sent via e-mail: planningCEQA@sandiego.gov

RE: SCH# 2017071066; Mission Valley Community Plan Update EIR Project, City of San Diego; San Diego County, California

Dear Ms. Malone:

The Native American Heritage Commission has received the Notice of Preparation (NOP) for Draft Environmental Impact Report for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code § 21000 et seq.), specifically Public Resources Code section 21084.1, states that a project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, § 15064.5 (b) (CEQA Guidelines Section 15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an environmental impact report (EIR) shall be prepared. (Pub. Resources Code § 21080 (d); Cal. Code Regs., tit. 14, § 15064 subd. (a)(1) (CEQA Guidelines § 15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources with the area of project effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a **separate category of cultural resources**, "tribal cultural resources" (Pub. Resources Code § 21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment (Pub. Resources Code § 21084.2). Please reference California Natural Resources Agency (2016) "Final Text for tribal cultural resources update to Appendix G: Environmental Checklist Form," http://resources.ca.gov/ceqa/docs/ab52/Clean-final-AB-52-App-G-text-Submitted.pdf. Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code § 21084.3 (a)). **AB 52 applies to any project for which a notice of preparation or a notice of negative declaration or mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. § 800 et seq.) may also apply.

The NAHC recommends **lead agencies consult with all California Native American tribes** that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments. **Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws**.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a **lead agency** shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:
   - **a.** A brief description of the project.
   - **b.** The lead agency contact information.
   - **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code § 21080.3.1 (d)).
   - **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code § 21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A **lead agency** shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code § 21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or environmental impact report. (Pub. Resources Code § 21080.3.1(b)).
   - **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code § 65352.4 (SB 18). (Pub. Resources Code § 21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:
   - **a.** Alternatives to the project.
   - **b.** Recommended mitigation measures.
   - **c.** Significant effects. (Pub. Resources Code § 21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:
   - **a.** Type of environmental review necessary.
   - **b.** Significance of the tribal cultural resources.
   - **c.** Significance of the project's impacts on tribal cultural resources.
   - **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code § 21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code sections 6254 (r) and 6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code § 21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:
   - **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
   - **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code section 21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code § 21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:
    a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
    b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code § 21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code section 21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code section 21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code § 21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code section 21084.3 (b). (Pub. Resources Code § 21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:
    a. Avoidance and preservation of the resources in place, including, but not limited to:
        i. Planning and construction to avoid the resources and protect the cultural and natural context.
        ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
    b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
        i. Protecting the cultural character and integrity of the resource.
        ii. Protecting the traditional use of the resource.
        iii. Protecting the confidentiality of the resource.
    c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
    d. Protecting the resource. (Pub. Resource Code § 21084.3 (b)).
    e. Please note that a federally recognized California Native American tribe or a nonfederally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code § 815.3 (c)).
    f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code § 5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An environmental impact report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
    a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code sections 21080.3.1 and 21080.3.2 and concluded pursuant to Public Resources Code section 21080.3.2.
    b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
    c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code section 21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code § 21082.3 (d)).

    This process should be documented in the Cultural Resources section of your environmental document.

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires **local governments** to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code § 65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code § 65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code section 65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code sections 5097.9 and 5097.993 that are within the city's or county's jurisdiction. (Gov. Code § 65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have been already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.

b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
   a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
   b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
   a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, section 15064.5(f) (CEQA Guidelines section 15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
   b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
   c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code section 7050.5, Public Resources Code section 5097.98, and Cal. Code Regs., tit. 14, section 15064.5, subdivisions (d) and (e) (CEQA Guidelines section 15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

Please contact me if you need any additional information at gayle.totton@nahc.ca.gov.

Sincerely,

Gayle Totton, M.A., PhD.
Associate Governmental Program Analyst

cc: State Clearinghouse

RINCON BAND OF LUISEÑO INDIANS

Cultural Resources Department

1 W. Tribal Road · Valley Center, California 92082 ·
(760) 297-2330 Fax:(760) 297-2339

August 2, 2017

Rebecca Malone
City of San Diego
Planning Department
1010 Second Avenue, Suite 1200
MS 413
San Diego, CA 92101

Re: Mission Valley Community Plan Update Project No. 518009

Dear Ms.Malone:

This letter is written on behalf of the Rincon Band of Luiseño Indians. Thank you for inviting us to submit comments on the Mission Valley Community Plan Update Project No. 518009. Rincon is submitting these comments concerning your projects potential impact on Luiseño cultural resources.

The Rincon Band has concerns for the impacts to historic and cultural resources and the finding of items of significant cultural value that could be disturbed or destroyed and are considered culturally significant to the Luiseño people. This is to inform you, your identified location is not within the Luiseño Aboriginal Territory. We recommend that you locate a tribe within the project area to receive direction on how to handle any inadvertent findings according to their customs and traditions.

If you would like information on tribes within your project area, please contact the Native American Heritage Commission and they will assist with a referral.

Thank you for the opportunity to protect and preserve our cultural assets.

Sincerely,

Destiny Colocho
Manager
Rincon Cultural Resources Department

Bo Mazzetti, Tribal Chairman | Tishmall Turner, Vice Chairwoman | Steve Stallings, Council Member | Laurie E. Gonzalez, Council Member | Alfonso Kolb, Council Member

401 B Street, Suite 800
San Diego, CA 92101-4231
(619) 699-1900
Fax (619) 699-1905
sandag.org

August 22, 2017

File Number 3300300

Ms. Rebecca Malone
City of San Diego
Planning Department
1010 Second Avenue, Suite 1200, MS 413
San Diego, CA 92101

Dear Ms. Malone:

SUBJECT: Mission Valley Community Plan Update Notice of Preparation (Project No. 518009)

Thank you for the opportunity to comment on the City of San Diego's Mission Valley Community Plan Update Notice of Preparation (NOP). The San Diego Association of Governments (SANDAG) appreciates the City of San Diego's efforts to implement the policies included in San Diego Forward: The Regional Plan (Regional Plan) that emphasize the need for better land use and transportation coordination. These policies will help provide people with more travel and housing choices, protect the environment, create healthy communities, and stimulate economic growth. SANDAG's comments are based on policies included in the Regional Plan and are submitted from a regional perspective.

Smart Growth

SANDAG appreciates that the City of San Diego has prioritized transit-oriented development and land use changes that support the Smart Growth Concept Map and Regional Plan. A key goal of the Regional Plan is to focus growth in smart growth opportunity areas. The Mission Valley Community Plan area has several smart growth opportunity areas (five town centers and one community center) identified on the Smart Growth Concept Map and is well served by transit. SANDAG encourages the city to continue to facilitate access to these transit services.

Long Range Transportation

Please consider referencing the freeway enhancements to Interstate 8 (I-8) found in Appendix A of the Regional Plan. The Regional Plan charts the region's future growth and transportation investments. Its vision is to "provide innovative mobility choices and planning to support a sustainable and healthy region, a vibrant economy, and an outstanding quality of life for all."

MEMBER AGENCIES
Cities of
Carlsbad
Chula Vista
Coronado
Del Mar
El Cajon
Encinitas
Escondido
Imperial Beach
La Mesa
Lemon Grove
National City
Oceanside
Poway
San Diego
San Marcos
Santee
Solana Beach
Vista
and
County of San Diego

ADVISORY MEMBERS
Imperial County
California Department of Transportation
Metropolitan Transit System
North County Transit District
United States Department of Defense
San Diego Unified Port District
San Diego County Water Authority
Southern California Tribal Chairmen's Association
Mexico

Transportation Demand Management

In support of the transportation demand management (TDM) and parking management goals identified in the Mobility Element of the City of San Diego's General Plan, please consider incorporating additional TDM strategies to increase mobility choices and help reduce traffic impacts within and around the Mission Valley community:

- Develop a formal TDM policy to encourage developers to incorporate TDM-supportive strategies into developments through the entitlement process.

- Develop policies that encourage employers to offer TDM programs to their employees. The SANDAG iCommute employer services program provides assistance and tools to help local employers design and implement customized commuter benefit programs.

- Car2Go no longer operates in the City of San Diego. The proposed update to the Mission Valley Community Plan could encourage the expansion and promotion of Zipcar, which offers daily round-trip car rentals from several locations near the I-8. Designated parking for carshare vehicles provides Zipcar members with on-demand access to a shared vehicle fleet to complement other alternative mode choices.

- Provide amenities that support the city's improvements to bike infrastructure. This includes convenient and secure bike parking and bike repair stands near transit, major destinations, and along existing or planned bike routes.

- Implement reduced parking requirements, given the close proximity to transit service and the opportunity for shared parking among commercial and residential uses. Additional parking management strategies could include unbundled parking, parking cash-out, and designated parking for carpools and vanpools.

Mobility hubs provide an integrated suite of transportation services, amenities, and technologies that improve access to high-frequency transit and other shared mobility services. Green Line Trolley stations may provide an opportunity to implement mobility hub features, such as:

- Encourage the expansion and use of shared mobility services (e.g., carshare, on-demand rideshare, and shuttle services) to reduce single occupant vehicle trips, improve circulation within and around transit stations, and reduce on-site parking demand.

- Provision of flexible curb space, where feasible, to facilitate pick-up and drop-off options for connecting transit and shared mobility services, such as on-demand rideshare and shuttles.

- Interactive transportation kiosks in employment, retail, and high pedestrian traffic areas that display real-time information about regional transit services, bikeshare, carshare, on-demand rideshare, and other transportation options.

- Electric vehicle charging infrastructure to support electrified mobility options.

- Develop wayfinding signage to transit and other major destinations.

SANDAG encourages the city to continue partnering with SANDAG's TDM program, iCommute, to promote and incentivize regional services that encourage the use of transportation alternatives. This includes online ridematching services, the Guaranteed Ride Home program, and bike encouragement programs, such as free bike education courses; the GO By BIKE Mini-Grant program; and the Walk, Ride, and Roll to School education program. Information on the SANDAG TDM program can be accessed through iCommuteSD.com. Additional information on mobility hubs is available at SDForward.com/mobilityhubs.

Other Considerations

SANDAG has additional resources that can be used for added information or clarification on topics discussed in this letter. These can be found on our website at sandag.org:

1. Planning and Designing for Pedestrians, Model Guidelines for the San Diego Region
2. Integrating Transportation Demand Management into the Planning and Development Process — A Reference for Cities
3. Regional Multimodal Transportation Analysis: Alternative Approaches for Preparing Multimodal Transportation Analysis in EIRs
4. SANDAG Regional Parking Management Toolbox
5. Riding to 2050, the San Diego Regional Bike Plan
6. Trip Generation for Smart Growth
7. Parking Strategies for Smart Growth
8. Designing for Smart Growth, Creating Great Places in the San Diego Region

When available, please send any additional environmental documents related to this project to:

Intergovernmental Review
c/o SANDAG
401 B Street, Suite 800
San Diego, CA 92101

We appreciate the opportunity to comment on the City of San Diego's Mission Valley Community Plan Update NOP. If you have any questions, please contact me at (619) 699-1943 or seth.litchney@sandag.org.

Sincerely,

SETH LITCHNEY
Senior Regional Planner

KHE/hbr

STATE OF CALIFORNIA

GOVERNOR'S OFFICE *of* PLANNING AND RESEARCH

STATE CLEARINGHOUSE AND PLANNING UNIT

EDMUND G. BROWN JR.
GOVERNOR

KEN ALEX
DIRECTOR

Notice of Preparation

July 28, 2017

To: Reviewing Agencies

Re: Mission Valley Community Plan Update EIR
SCH# 2017071066

Attached for your review and comment is the Notice of Preparation (NOP) for the Mission Valley Community Plan Update EIR draft Environmental Impact Report (EIR).

Responsible agencies must transmit their comments on the scope and content of the NOP, focusing on specific information related to their own statutory responsibility, within 30 days of receipt of the NOP from the Lead Agency. This is a courtesy notice provided by the State Clearinghouse with a reminder for you to comment in a timely manner. We encourage other agencies to also respond to this notice and express their concerns early in the environmental review process.

Please direct your comments to:

Rebecca Malone
City of San Diego
1010 Second Ave., Suite 1200, MS 413
San Diego, CA 92101

with a copy to the State Clearinghouse in the Office of Planning and Research. Please refer to the SCH number noted above in all correspondence concerning this project.

If you have any questions about the environmental document review process, please call the State Clearinghouse at (916) 445-0613.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Attachments
cc: Lead Agency

Document Details Report
State Clearinghouse Data Base

SCH# 2017071066
Project Title Mission Valley Community Plan Update EIR
Lead Agency San Diego, City of

Type NOP Notice of Preparation

Description Project is a comprehensive update of the Mission Valley Community Plan, which was originally adopted in 1985 and has undergone over 20 amendments since. Mission Valley is in the geographic center of the city, is accessible from I-5, I-8, I-15, I-805 and SR 163, and is served by the Green Line Trolley, which connects Mission Valley to Downtown San Diego and the citywide transit network. Mission Valley is a regional center of offices, hotels, and retail businesses, with a growing residential community. The San Diego River lies at the foot of the valley, flowing east to west.

Lead Agency Contact

Name Rebecca Malone
Agency City of San Diego
Phone 619-446-5371 **Fax**
email
Address 1010 Second Ave., Suite 1200, MS 413
City San Diego **State** CA **Zip** 92101

Project Location

County San Diego
City San Diego
Region
Cross Streets
Lat / Long
Parcel No.
Township **Range** **Section** **Base**

Proximity to:

Highways
Airports
Railways ATSF, Amtrack, Coaster, SD Troll
Waterways
Schools SDUS
Land Use

Project Issues Aesthetic/Visual; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Flood Plain/Flooding; Geologic/Seismic; Noise; Public Services; Recreation/Parks; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Landuse; Wildlife; Growth Inducing; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Parks and Recreation; Department of Fish and Wildlife, Region 5; Office of Emergency Services, California; Department of Housing and Community Development; Native American Heritage Commission; Public Utilities Commission; State Lands Commission; California Highway Patrol; Caltrans, District 11; State Water Resources Control Board, Division of Drinking Water; State Water Resources Control Board, Divison of Financial Assistance; Department of Toxic Substances Control; Regional Water Quality Control Board, Region 9; San Diego River Conservancy

Date Received 07/28/2017 **Start of Review** 07/28/2017 **End of Review** 08/28/2017

Note: Blanks in data fields result from insufficient information provided by lead agency.

2017071066

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P. O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # _____

Project Title: MISSION VALLEY COMMUNITY PLAN UPDATE EIR

Lead Agency: City of San Diego | Contact Person: Rebecca Malone
Mailing Address: 1010 Second Ave, Suite 1200, MS 413 | Phone: (619)446-5371
City: San Diego, CA | Zip: 92101 | County: San Diego

Project Location: County: San Diego | City/Nearest Community: San Diego
Cross Streets: _____ | Zip Code: _____
Lat. / Long.: N/ W | Total Acres: approx. 300
Assessor's Parcel No.: _____ | Section: _____ | Twp.: _____ | Range: _____ | Base: _____
Within 2 Miles: State Hwy #: _____ | Waterways: Tecolote Creek, Mission Bay, San Diego River
Airports: | Railways: ATSF, Amtrack, Coaster, San Diego Trolley
Schools: San Diego Unified Schools

Document Type:

Governor's Office of Planning & Research
JUL 28 2017
STATE CLEARINGHOUSE

CEQA: ☒ NOP ☐ Early Cons ☐ Neg Dec ☐ Mit Neg Dec ☐ Draft EIR ☐ Supplement/Subsequent EIR (Prior SCH No.) _____ Other _____
NEPA: ☐ NOI ☐ EA ☐ Draft EIS ☐ FONSI
Other: ☐ Joint Document ☐ Final Document ☐ Other _____

Local Action Type:

☐ General Plan Update ☐ General Plan Amendment ☐ General Plan Element ☒ Community Plan
☐ Specific Plan ☐ Master Plan ☐ Planned Unit Development ☐ Site Plan
☐ Rezone ☐ Prezone ☐ Use Permit ☐ Land Division (Subdivision, etc.)
☐ Annexation ☐ Redevelopment ☐ Coastal Permit ☐ Other: _____

Development Type:

☐ Residential: Units _____ Acres _____
☐ Office: Sq.ft. _____ Acres _____ Employees _____
☐ Commercial: Sq.ft. _____ Acres _____ Employees _____
☐ Industrial: Sq.ft. _____ Acres _____ Employees _____
☐ Educational _____
☐ Recreational _____
☐ Water Facilities: Type _____ MGD _____
☐ Transportation: Type _____
☐ Mining: Mineral _____
☐ Power: Type _____ MW _____
☐ Waste Treatment: Type _____ MGD _____
☐ Hazardous Waste: Type _____
☒ Other: Community Plan Update

Project Issues Discussed in Document:

☒ Aesthetic/Visual
☐ Agricultural Land
☒ Air Quality
☒ Archeological/Historical
☒ Biological Resources
☐ Coastal Zone
☒ Drainage/Absorption
☐ Economic/Jobs
☐ Fiscal
☒ Flood Plain/Flooding
☐ Forest Land/Fire Hazard
☒ Geologic/Seismic
☐ Minerals
☒ Noise
☐ Population/Housing Balance
☒ Public Services/Facilities
☒ Recreation/Parks
☐ Schools/Universities
☐ Septic Systems
☐ Sewer Capacity
☒ Soil Erosion/Compaction/Grading
☒ Solid Waste
☒ Toxic/Hazardous
☒ Traffic/Circulation
☒ Vegetation
☒ Water Quality
☒ Water Supply/Groundwater
☐ Wetland/Riparian
☒ Wildlife
☒ Growth Inducing
☒ Land Use
☒ Cumulative Effects
☒ Other Hydrology; Paleontological Resources; Public Utilities, GHG

Present Land Use/Zoning/General Plan Designation: Refer to Public Notice attached

Project Description: *(please use a separate page if necessary)*
Refer to Public Notice attached

Note: The state Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g. Notice of Preparation or previous draft document) please fill in.

January 2008

NOP Distribution List

County: San Diego

SCH# 2017071008

Resources Agency

- [x] **Resources Agency**
  Nadell Gayou
  - **Dept. of Boating & Waterways**
    Denise Peterson
- [ ] **California Coastal Commission**
  Elizabeth A. Fuchs
- [ ] **Colorado River Board**
  Lisa Johansen
- [ ] **Dept. of Conservation**
  Crina Chan
- [ ] **Cal Fire**
  Dan Foster
- [ ] **Central Valley Flood Protection Board**
  James Herota
- [ ] **Office of Historic Preservation**
  Ron Parsons
- [x] **Dept of Parks & Recreation**
  Environmental Stewardship Section
- [ ] **S.F. Bay Conservation & Dev't. Comm.**
  Steve Goldbeck
- [ ] **Dept. of Water Resources**
  Resources Agency
  Nadell Gayou

Fish and Game

- [ ] **Depart. of Fish & Wildlife**
  Scott Flint
  Environmental Services Division
- [ ] **Fish & Wildlife Region 1**
  Curt Babcock
- [ ] **Fish & Wildlife Region 1E**
  Laurie Harnsberger
- [ ] **Fish & Wildlife Region 2**
  Jeff Drongesen
- [ ] **Fish & Wildlife Region 3**
  Craig Weightman
- [ ] **Fish & Wildlife Region 4**
  Julie Vance
- [x] **Fish & Wildlife Region 5**
  Leslie Newton-Reed
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6**
  Tiffany Ellis
  Habitat Conservation Program
- [ ] **Fish & Wildlife Region 6 I/M**
  Heidi Calvert
  Inyo/Mono, Habitat Conservation Program
- [ ] **Dept. of Fish & Wildlife M**
  William Paznokas
  Marine Region

Other Departments

- [ ] **California Department of Education**
  Lesley Taylor
- [x] **OES (Office of Emergency Services)**
  Monique Wilber
- [ ] **Food & Agriculture**
  Sandra Schubert
  Dept. of Food and Agriculture
- [ ] **Dept. of General Services**
  Cathy Buck
  Environmental Services Section
- [x] **Housing & Comm. Dev.**
  CEQA Coordinator
  Housing Policy Division

Independent Commissions,Boards

- [ ] **Delta Protection Commission**
  Erik Vink
- [ ] **Delta Stewardship Council**
  Kevan Samsam
- [ ] **California Energy Commission**
  Eric Knight
- [x] **Native American Heritage Comm.**
  Debbie Treadway
- [x] **Public Utilities Commission**
  Supervisor
- [ ] **Santa Monica Bay Restoration**
  Guangyu Wang
- [x] **State Lands Commission**
  Jennifer Deleong
- [ ] **Tahoe Regional Planning Agency (TRPA)**
  Cherry Jacques

Cal State Transportation Agency CalSTA

- [ ] **Caltrans - Division of Aeronautics**
  Philip Crimmins
- [ ] **Caltrans – Planning HQ LD-IGR**
  Christian Bushong
- [x] **California Highway Patrol**
  Suzann Ikeuchi
  Office of Special Projects

Dept. of Transportation

- [ ] **Caltrans, District 1**
  Rex Jackman
- [ ] **Caltrans, District 2**
  Marcelino Gonzalez
- [ ] **Caltrans, District 3**
  Eric Federicks – South
  Susan Zanchi - North
- [ ] **Caltrans, District 4**
  Patricia Maurice
- [ ] **Caltrans, District 5**
  Larry Newland
- [ ] **Caltrans, District 6**
  Michael Navarro
- [ ] **Caltrans, District 7**
  Dianna Watson
- [ ] **Caltrans, District 8**
  Mark Roberts
- [ ] **Caltrans, District 9**
  Gayle Rosander
- [ ] **Caltrans, District 10**
  Tom Dumas
- [x] **Caltrans, District 11**
  Jacob Armstrong
- [ ] **Caltrans, District 12**
  Maureen El Harake

Cal EPA

Air Resources Board

- [x] **Airport & Freight**
  Jack Wursten
  - [ ] **Transportation Projects**
    Nesamani Kalandiyur
  - [ ] **Industrial/Energy Projects**
    Mike Tollstrup
- [ ] **California Department of Resources, Recycling & Recovery**
  Sue O'Leary
- [x] **State Water Resources Control Board**
  Regional Programs Unit
  Division of Financial Assistance
- [x] **State Water Resources Control Board**
  Cindy Forbes – Asst Deputy
  Division of Drinking Water
- [ ] **State Water Resources Control Board**
  Div. Drinking Water #_____
- [ ] **State Water Resources Control Board**
  Student Intern, 401 Water Quality Certification Unit
  Division of Water Quality
- [ ] **State Water Resouces Control Board**
  Phil Crader
  Division of Water Rights
- [x] **Dept. of Toxic Substances Control**
  CEQA Tracking Center
- [ ] **Department of Pesticide Regulation**
  CEQA Coordinator

Regional Water Quality Control Board (RWQCB)

- [ ] **RWQCB 1**
  Cathleen Hudson
  North Coast Region (1)
- [ ] **RWQCB 2**
  Environmental Document Coordinator
  San Francisco Bay Region (2)
- [ ] **RWQCB 3**
  Central Coast Region (3)
- [ ] **RWQCB 4**
  Teresa Rodgers
  Los Angeles Region (4)
- [ ] **RWQCB 5S**
  Central Valley Region (5)
  - [ ] **RWQCB 5F**
    Central Valley Region (5)
    Fresno Branch Office
  - [ ] **RWQCB 5R**
    Central Valley Region (5)
    Redding Branch Office
- [ ] **RWQCB 6**
  Lahontan Region (6)
  - [ ] **RWQCB 6V**
    Lahontan Region (6)
    Victorville Branch Office
- [ ] **RWQCB 7**
  Colorado River Basin Region (7)
- [ ] **RWQCB 8**
  Santa Ana Region (8)
- [x] **RWQCB 9**
  San Diego Region (9)

- [ ] **Other** _____

- [x] San Diego Conservancy

Last Updated 4/28/17

CITY OF SAN DIEGO

PLANNING DEPARTMENT
CEQA AND ENVIRONMENTAL POLICY
PUBLIC SCOPING MEETING

MISSION VALLEY Community Plan Update

MISSION VALLEY COMMUNITY PLAN UPDATE
AUGUST 12, 2017

This meeting is being held pursuant to the *California Public Resources Code Section 21083.9 et seq.*, and is provided to give the public and interested parties an opportunity to submit comments regarding the potential environmental impacts of the proposed project. This information will be used to develop the scope and content of the proposed Environmental Impact Report (EIR) for the project described at this meeting. Please record your comments in the space provided below and submit this form to City staff at the conclusion of the meeting, or mail to the address noted on the back of this form. Thank You.

Comments:

Thanks for the Workshop
We must control the flooding traffic
in any development in the valley.
No Extension of Camino
No Road along the trolley west of the
Golf Course
Mosquito control is mandatory.
Etc.

Name Wayne T. Williams **Signature** Wayne T. Williams

Address 5605 Friars Rd #325 SD 92110

Use back of sheet if additional space is necessary.

CITY OF SAN DIEGO

PLANNING DEPARTMENT
CEQA AND ENVIRONMENTAL POLICY
PUBLIC SCOPING MEETING

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Comments: INCORPORATE MORE/ALL ELEMENTS OF THE CITIES ADOPTED SAN DIEGO RIVER MASTER PLAN IN THE FACILITIES FINANCING PLAN. AS HIGH PRIORITY ITEMS

Name ALAN GRANT **Signature** Alan M. Grant

Address 3219 ELLIOTT ST
S.D. CA 92106

Use back of sheet if additional space is necessary.

CITY OF SAN DIEGO

PLANNING DEPARTMENT
CEQA AND ENVIRONMENTAL POLICY
PUBLIC SCOPING MEETING

MISSION VALLEY
Community Plan Update

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Comments: TRANSPORTATION: INCREASED BICYCLE FACILITIES ARE NOT SAFE ROADS NOT WIDE ENOUGH

Name _____ **Signature** _____

Address _____

Use back of sheet if additional space is necessary.

CITY OF SAN DIEGO

PLANNING DEPARTMENT
CEQA AND ENVIRONMENTAL POLICY
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Comments:

As a lifetime resident of San Diego, I/we were saddened to see the Chargers go. So, moving forward w/all that priceless land ... NO MORE condos or apts. please! restore the waterways, add parks, another stadium perhaps?

Name Myra Louis Dean **Signature** Myra Louis Dean

Address 3626 Copley Ave, SD 92116

Use back of sheet if additional space is necessary.

10 March, 2017

Some Socio/Economic and Environmental Negative Impacts of Mission Valley Golf Course Development on Friars Road, San Diego, California-Preliminary Assessment by Wayne T. Williams, PhD, Environmental Scientist

1) Some Socio/Economic Negative Impacts.

Roads 1. The proposed 4-lane road paralleling the trolley tracks on the west end of the proposed development connecting to Colusa Street would create havoc at Presidio Place Condominiums (PPC) and the YMCA because of traffic oversaturation and congestion, noise, air pollution, visual degradation, safety and a loss of feeling of well-being. The proposed roadway would remove a significant portion of the two properties. The extension of Colusa Street south of Friars Rd would remove landscaping worth hundreds of thousands of dollars. The Presidio Place Condominium (PPC) estate would be cut in half by the Colusa extension, destroying the largest reach of residential open space in the valley. Property values at PPC would be reduced by an estimated and conservative value of one-third. Property tax to City Coffers would thus be significantly reduced. **The mandatory mitigation is to not build the west (downstream) road as a part of the project.** This road extension is not negotiable because of such an enormous threat to our well being.

Roads and Traffic 2. The proposed exit roads from the proposed development onto Friars road would require three additional stoplights leading to massive congestion in an already over crowded roadway.

Flooding. The proposed development is to be built upon the flood plain of the San Diego River. Currently, the frequent flooding in the river is a serious obstacle to any development, and major mitigations are necessary to prevent the exacerbation of the existing situation. About every five years, on PPC there is flooding that damages property. (There is annual flooding to a lesser degree). For example in 2006, floods reached about five feet deep on the property, 2010, major flooding reached our buildings damaging them reaching over seven feet deep, and in 2017, major flooding of about six feet profundity caused significant damage. We do not want this to worsen because of this ill thought out development upstream.

The City of San Diego, by issuing PPC and the YMCA and the Courtyards building permits, has an obligation to assure the permit holders that their investments will not be placed into jeopardy by irrational development upstream causing more severe flooding. A conservative estimated impact from the proposed development is an increase of outflow/inflow to PPC and the YMCA of about 1/3

more floodwater. This would cause much deeper flooding and more extensive and frequent flooding. It could be expected that annual major flooding would occur, depending on rainfall amounts.

The proposed development will remove the majority of the golf course, and pave and roof it over. The current turfed golf course and its lakes and ponds acts as an aquifer sponge, retaining much of the current floodwaters. Covering up this open space with impermeable surfaces would force the water on an additional ~20 acres onto our properties creating massive damage with floods of greater frequency and intensity. This is against several state statutes about water rights and riparian management. At a minimum, pervious asphalt and other surfaces must be installed.

Potential mitigations are: A). leave as much turf or landscaping on the new development as much as possible **B)** leave as many water retaining ponds and lakes as possible, **C)** in the 2017 flood, the dam on the river adjacent to the properties failed, when the north corner of the dam washed out. This has not been repaired. This failure diverted floodwaters toward PPC exacerbating our damage. This dam must be rebuilt and repaired. **D**) on the west side of the proposed development property is a drainage canal that periodically overflows onto the Courtyard, PPC and YMCA similar to a river, with measured velocity of 6 meters per second, and up to 3 meters deep. The overflow was caused by a failure of the golf course management to clear the drainage canal of vegetation and because the City of San Diego failed to keep a major drainage culvert on this canal clear of vegetation on both the upstream and downstream of the culvert. This blockage resulted in the flooding of our properties. To mitigate this canal blockage, a diversion wall at least two meters above grade must be constructed to assure that the drainage water goes to its intended route to the river. **E**) all landscaping on the proposed development must take into account means to reduce runoff of storm waters . **F**) All asphalt laid down as streets and parking lots etc must be of a pervious nature (sic the YMCA parking lot which was required by the city). These mitigations would slow down run off and prevent much, but not all flooding.

2) Negative Environmental Impacts due to the Proposed Development

A) California Environmental Quality Act. An integral and required section of all CEQA required projects, of which this proposed development is subject to, is an in-depth analysis of "**Cumulative Impacts**", where a proposed project must consider other project activity in the impact zone. Since the proposed project is located in the flood plain of the San Diego River, such a cumulative impacts assessment is mandatory. There are currently major developments being planned or in progress at Grantsville, upstream, QUALCOMM stadium, upstream, The (Fashion Valley) housing development upstream, and others. The proposed cumulative build out accumulates to 25,000 housing units. Placing this much development in a flood plain would not only be extremely

environmentally damaging, it goes beyond reason for proper planning of such a sensitive watershed. The development of the golf course, which was originally touted by the City Council of San Diego during original conversion from agriculture in the 1950s to be PERMANENT OPEN SPACE. Sixty years is not permanent. Therefore the golf course development is unwise, unneeded and would be a cumulative impact of major proportions on previous developments approved by the City of San Diego earlier.

B. Mission Valley Preserve. The proposed development would remove a large swath of about 10 acres from the Mission Valley Preserve, which is home to several rare and endangered species, and a biological jewel providing recreational opportunities for all of San Diego. In the very least, according to San Diego City policy and regulations, such removed lands from the reserve must be replaced in the land bank system, and must be of riparian wetland/floodplain habitat. The proposed development also interferes with another previously planned project; the walkway project. The preferable alternative is clearly and logically to not build these roads.

C. San Diego River Estuary. Intentionally created increased rates and extent of flooding caused by the proposed project will cause significant changes in salinity and structure of the estuary. In addition, the closed landfill site at, and east of SeaWorld ,would be exposed to greater erosion potential from floodwaters, and could bring known toxic substances from military and industrial dumping to the surface where beaches would be contaminated. The California Coastal Commission must consider these factors and mitigations thereof before any construction or permitting begins.

`Increased frequency and extent of flooding in the San Diego watershed will exacerbate the presence of standing water in the Valley. According to the County Department of Health, four species of mosquitos reside in the valley which are capable of transmitting malaria, West Nile fever, dengue, and Zika viruses. Substantial funds are already being spent to control them (partially) and the developments will significantly worsen this disease situation.

Many more negative and potentially immitigable environmental and socio/economic impacts will result from the proposed development. This project poses a very dangerous economic, environmental and social threat to all of the residences at the Courtyard and Presidio Place and 25,000 clients of the YMCA. The proposed development must be reduced in size and scope to maintain a reasonable quality of life in Mission Valley, or better, be left as open space as a renovated golf course or park for all of the people of San Diego.

Wayne T. Williams, PhD
Environmental Scientist
5605 Friars Rd #325
San Diego, CA 92110 858 333 1443

Two Letters Promoting Veterans Park
Helen Antoniak 8/8/17

Dear Mr. Siedler,

Thank you for having Katie call me with your email address so I am able to get this letter to you. I went on line and read a little bit about you. Before I tell you about my plan for getting all the homeless veterans of the City of San Diego into homes, I want to tell you a story.

Not too long ago, I was on the boardwalk in Pacific Beach near Grand Avenue. A man approached me and told me an interesting story. He said that God had been very good to him and his wife and they had a large amount of money. He said they bought ten houses in Phoenix at $75,000.00 each and interviewed homeless people. They selected ten recipients for the homes and also supplied vehicles. This man said that all ten of these people or families had been successful in keeping their homes. The man said he was a golf coach for 40 years.

Well. I have no idea whether his story is true but I liked it. Since you walk in that same area, maybe this man has approached you with the same story.

My story is much simpler. I believe it is possible to provide homes for every veteran within the City of San Diego before the proposition on Soccer City is voted on in November of 2018. I truly believe we have the resources to do this. I think that individuals who are begging for money by holding cardboard signs in street medians and freeway off-ramps have better things to do with their lives.

It is said that twenty-two veterans commit suicide every day. We should be able to provide whatever it takes to convince these people that their lives are worth living.

The "Charger Park" was vacated by the Chargers on July 31 which is just a week ago. It is my understanding that you have offered big tents as temporary housing structures for homeless individuals. I urge you to consider erecting these tents in the practice fields or parking area of what is now no longer "Chargers Park." We could call it "Veteran's Park." I would

be happy to call it "Peter Siedler's Park." The point is that time is of the essence. Now is the time to take care of all homeless veterans in our city.

I am a retired social worker and my heart goes out to children who are homeless but I really feel veterans need to be our top priority. I feel especially concerned for those men who were drafted and had their lives forever changed due to their experiences in Vietnam.

On television yesterday, I saw a program about immigrant business owners. There was an interesting statistic. In the United States, 14.4% of businesses are owned by immigrants.

At the end of the Vietnam War, many Vietnamese escaped their country with virtually nothing and lived in tents at Camp Pendleton until sponsors came forward to help them resettle in our country. Now, almost fifty years later, many of those refugees are more successful than the members of our armed forces who fought the communists in a futile effort to save South Vietnam.

I approached Ms. Kim Mitchell, the new Director of Veteran's Village, with my idea of the former Charger's Park becoming an assessment and resource center for veterans. Ms. Mitchell pointed out to me that, even if the facility were provided free of charge, the staffing would be costly. I think that many successful Vietnamese business owners, particularly those who own income property, would be willing to support such an operation.

This past Saturday, I attended a Toastmasters event which took place at a golf facility in Rancho Santa Fe. The facility is called "Morgan's Run" and it was lovely. I happened to see four uniformed sailors who must have been there for some function. I approached them and cautiously asked how they felt about the people standing near streets holding cardboard signs proclaiming they were homeless veterans. Apparently, this question must be asked often and military policy is that they are not to give their personal reactions while they are in uniform. They indicated, without saying anything outright, that they feel sorry for them.

Certainly, if people were not moved by the signs, to hand these individuals money, this form of begging would end. It is possible that this begging business is so profitable that individuals who are not veterans are proclaiming they are. A really successful program for homeless veterans

would cause fraudulent beggars to reconsider using the 'veteran' claim. Of course, I am sure that you, like me, long for the day when things have turned around so that all begging is a distant memory.

Two years ago, I wrote an idea about the stadium. More recently, I wrote a letter to Members of the City Council and the Board of Supervisors. Now, that I have written this long letter to you proposing my idea to help homeless veterans, I am including copies of the letter and my idea for the stadium.

Thanks, in advance for all you are going to do.

Sincerely,

Helen Antoniak

Helen Antoniak MSW, PhD, LCSW
1528 Monitor Rd.
San Diego, California 92110
(619) 276-6858
7/7/2017

Dear Council Member and Mayor,

Last week, I saw a sign in a bush. The bush was not burning like the one encountered by Moses, nonetheless, I think it was a message from God.

I was having lunch at the Rubios near the intersection of Rosecrans and Midway Drive. The cardboard sign that I saw in the bush outside the dining area read "Homeless Veteran!!! Anything will Help! God Bless."

I retrieved the sign and then brought it with me to the press conference held by the Mayor on Wednesday at Alpha Park. New energy is being focused on helping the homeless and preventing homelessness in the future. I was told to get out as it was a "Private Party" but I did not budge.

I wanted to suggest that Chargers Park, which is being vacated right now, be opened for veterans. It could be a safe refuge, an assessment center, and more. If it was good enough for the Chargers, it should be good enough for our homeless veterans!

In March of 2015, I gave a speech suggesting the stadium become the "Star Spangled Stadium." Since that time, Balboa Park has been declared the top ten tourist attraction in California and the Chargers are leaving for Los Angeles.

I am sure you can read the speech much faster than listening to me give it. Let us have the facility on Murphy Canyon Road be a "Veterans Park" until no one would hold a cardboard sign like the one I found in the bush.

Sincerely,

Helen Antoniak
(daughter and sister to veterans)

SIGN IN SHEET

For the

MISSION VALLEY COMMUNITY PLAN UPDATE

ENVIRONMENTAL IMPACT REPORT SCOPING MEETING

Saturday August 12, 2017

MISSION VALLEY Community Plan Update

NAME (PLEASE PRINT)	ADDRESS (PLEASE PRINT AND INCLUDE CITY, STATE & ZIP CODE) OR EMAIL ADDRESS
MICHAEL WON SOLER	5765 FRIARS RD #168, SAN DIEGO, CA 92110
David Gross	6865 Rio San Diego Dr. Apt. #4443, San Diego CA 92108
Myra Lousteau	3626 Copley Ave. SD 92116
Jeff Lien	jlien22@gmail.com
Anne-Marie Jewel	Sierra Mesa —
Amokrane Bacha	MPVG/ 8355 STATION VILLAGE LN #4106 SAN DIEGO, CA 92108
Barbara Nye	bolearynye@gmail.com * MV email list
Katia Polster	2802 Ivy St. San Diego, CA 92104 / Katiapolster@gmail.com
TIM ROBINSON	2001 S. COAST HWY #3, OCEANSIDE 92054
EVA ULRICH	8009 CANNITO DE PIZZA UNIT G, SD 92108

San Diego County Archaeological Society, Inc.

Environmental Review Committee

20 August 2017

To: Ms. Rebecca Malone
Planning Department
City of San Diego
1010 Second Avenue, Mail Station 614C
San Diego, California 92101

Subject: Notice of Preparation of a Draft Environmental Impact Report
Mission Valley Community Plan Update
Project No. 518009

Dear Ms. Malone:

Thank you for the Notice of Preparation for the subject project, received by this Society last month.

We are pleased to note the inclusion of historical resources in the list of subject areas to be addressed in the DEIR, and look forward to reviewing it during the upcoming public comment period. To that end, please include us in the distribution of the DEIR, and also provide us with a copy of the cultural resources technical report(s).

SDCAS appreciates being included in the City's environmental review process for this project.

Sincerely,

James W. Royle, Jr., Chairperson
Environmental Review Committee

cc: SDCAS President
File

P.O. Box 81106 San Diego, CA 92138-1106 (858) 538-0935

VIEJAS
TRIBAL GOVERNMENT

P.O Box 908
Alpine, CA 91903
#1 Viejas Grade Road
Alpine, CA 91901

Phone: 6194453810
Fax: 6194455337
viejas.com

August 2, 2017

Rebecca Malone
Environmental Planner
City of San Diego Planning Dept.
1010 Second Avenue, Suite 1200, MS 413
San Diego, CA 92101

Re: Mission Valley Community Plan Update/Project No. 518009

Dear Ms. Malone,

In reviewing the above referenced project the Viejas Band of Kumeyaay Indians ("Viejas") would like to comment at this time.

The project area may contain many sacred sites to the Kumeyaay people. We request that these sacred sites be avoided with adequate buffer zones.

Additionally, Viejas is requesting, as appropriate, the following:

- A site visit
- Advance notice of any plans on mitigation measures
- Active participation in the development of said mitigation measures
- All NEPA/CEQA/NAGPRA laws be followed
- Qualified cultural monitors are on site at all time
- Give frequent up-dates to the tribes and final report on findings
- Immediately contact Viejas on any changes or inadvertent discoveries.

Thank you for your collaboration and support in preserving our Tribal cultural resources. I look forward to hearing from you. Please call me at 619-659-2312 or Ernest Pingleton at 619-659-2314, or email, rteran@viejas-nsn.gov or epingleton@viejas-nsn.gov, for scheduling. Thank you.

Sincerely,

Ray Teran, Resource Management
VIEJAS BAND OF KUMEYAAY INDIANS

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Appendix B: Buildout Methodology

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Buildout Methodology

METHODOLOGY

In projecting the buildout for the 30-year horizon of the proposed CPU, existing development, current development projects, and new development were considered. These were derived as follows:

Existing Development (To Stay)

The buildout estimated the existing amount of residential units and non-residential square feet "to stay" in 2050. The term "to stay" refers to existing development that is not assumed to redevelop by 2050. Estimates of existing development (to stay) were derived from the City's geographic information system (GIS) database as of 201. The database contains detailed information about land use, the number of residential units on each parcel, and the amount of non-residential square feet on each parcel. Additional data supplemented the City's GIS data, including data created by Dyett & Bhatia based on aerial imagery.

Pipeline Development

Pipeline also includes projects currently under construction, approved, or under review by the City as of May 2018. While it is possible that some of these projects may not be constructed, using totals from approved and planned projects provides the most accurate buildout estimate for vacant parcels.

New Development

New development is assumed to occur on "opportunity sites." Opportunity sites were identified as those sites that may have potential for changes in land use or intensity over the long term. Within the CPU area, potential opportunity sites were identified by mapping vacant and underutilized land using the County Assessor's data, field study, information from City staff, and review of aerial photography. The Assessor's data was used to preliminarily identify underutilized land by identifying parcels with a low assessed value ratio, or AV ratio. AV ratio is defined as the ratio of the value of existing permanent improvements (i.e., buildings) to the value of the land. Where this ratio was less than 1.5, a parcel was considered underutilized. The smaller the AV ratio, the greater the potential for redevelopment. In other words, where the value of the land was worth substantially more than the value of the structure on it, a was considered to be a candidate for redevelopment.

The analysis also identified potential opportunity sites on the basis of floor area ratio (FAR). FAR refers to the ratio between a building's total floor area and the total area (excluding any area devoted to parking) of the site. For instance, a one-story building occupying half of a parcel has an FAR of 0.5; a two-story building occupying the same half of a parcel has an FAR of 1.0. A low FAR indicates

a parcel does not have a significant amount of building area, and therefore may have potential for redevelopment. For this analysis, parcels with FARs less than 0.75 were identified as having potential for redevelopment.

For this buildout analysis, opportunity sites were categorized in a tiering system. Build-out assumptions for each tier, and examples of sites within each tier, are listed in Table C-1.

Table B-1: Buildout Assumptions for Each Tier

Tier	*Percent Assumed Built-out by 2050*	*Existing FAR and AV Ratio*	*Example Sites*
Tier 0	100	0	Vacant land, Riverwalk Site, Qualcomm site
Tier 1	60	FAR < 0.35 and AV Ratio < 0.75	Hazard Center East
Tier 2	50	FAR < 0.75 and AV Ratio 0.75 - 1.5	Mission Valley Heights Specific Plan planning area
Tier 3	25	FAR < 0.35 or AV Ratio < 0.75	Park Valley Center
Tier 4	15	FAR 0.35 - 0.75 or AV Ratio 0.75 - 1.5	8810 Rio San Diego Drive

Sources: Dyett & Bhatia, 2018; City of San Diego, 2018.

Development potential was calculated for the underutilized sites by multiplying parcel acreage by FAR and dwelling unit per acre allowed under the proposed CPU land use designations, and converting this figure to square footage and units. A net development factor of 90 percent was applied to all redevelopment sites to account for right-of-way. The number of projected housing units in 2050 is shown in Table C-2, while projected non-residential square footage is shown in Table C-3.

In instances where a property owner communicated with staff that their likelihood to redevelop was greater than the tiering process, manual adjustments were made to slightly increase the propensity to redevelop on that given parcel.

Projected Buildout Population

The buildout population takes into consideration the number of housing units estimated in 2012, as well as new units projected in the CPU area in 2050. The 2050 population projection assumes 1.85 persons per household. Table C-2 shows the projected population at buildout of the proposed CPU. As shown, the proposed CPU is projected to result in a 248 percent increase in population in the CPU area over 2012 conditions.

Table B-2: Residential Development at Base Year and Buildout

	Base Year (2012)	*Buildout (2050)*	*Net Increase*	*Percent Change*
Housing Units	11,240	39,160	27,910	248%
Single-Family	*<50*	*<50*	*0*	*0%*
Multi-Family	*11,240*	*39,160*	*27,910*	*248%*
Household Population	20,800	72,400	51,600	248%

Note: Numbers may not sum due to rounding. Total and multi-family housing are rounded to the nearest 10. Duplexes and triplexes are counted as multi-family housing.

Sources: Dyett & Bhatia, 2018; City of San Diego, 2018

Jobs

The total number of future jobs was calculated based on jobs-per-square-foot assumptions for retail/restaurant, hotel, and office jobs. Table C-4 shows the existing number of jobs in the CPU area as of 2012 and the projected number of jobs in 2050. The proposed CPU is projected to result in a 42 percent increase in jobs over 2012 conditions.

Table B-3: Non-Residential Development at Base Year and Buildout

	Base Year (2012)		*Buildout (2050)*		*Difference*	
	Building Square Feet	*Percent of Total*	*Building Square Feet*	*Percent of Total*	*Net Increase*	*Percent Change*
Commercial/ Retail	5,231,350	30%	7,244,347	29%	2,012,997	38%
Office	7,418,523	42%	12,087,208	48%	4,668,685	63%
Motel/Hotel	3,648,880	21%	4,406,391	18%	757,511	25%
Industrial	603,210	3%	120,711	0%	(482,499)	(80%)
Institutional/ Community Facilities	158,839	1%	195,358	1%	36,519	23%
Hospital/Clinic	67,223	0%	42,803	0%	(24,420)	(36%)
University and Other Colleges	247,577	1%	189,163	1%	(58,414)	(24%)
Schools K-12	96,200	1%	105,650	0%	9,450	10%
Recreational	195,181	1%	646,278	3%	495,097	231%
Total	**17,667,000**	**100%**	**25,038,000**	**100%**	**7,371,000**	**42%**

Note: Numbers may not sum due to rounding. Non-residential square feet are rounded to the nearest 1,000.

Sources: Dyett & Bhatia, 2018; City of San Diego, 2018

Table B-4: Buildout Summary

	Base Year (2012)	*Buildout (2050)*	*Net Increase*	*Percent Change*
Housing Units	11,240	39,160	27,910	248%
Household Population	20,800	72,400	51,600	248%
Non-Residential Square Feet	17,667,000	25,038,000	7,371,000	42%
Employment	45,600	64,700	19,100	42%
Hotel Rooms	6,696	8,249	1,553	23%

Note: Numbers may not sum due to rounding. Housing is rounded to the nearest 10. Population and employment are rounded to the nearest 100. Non-residential square feet are rounded to the nearest 1,000.

Sources: Dyett & Bhatia, 2018; City of San Diego, 2018

PHASING

It is assumed that buildout of the CPU will occur incrementally over a 30-year planning horizon. The CPU does not specify or anticipate when buildout will actually occur. The timeline and buildout scenario will likely vary, because actual development will be determined by a number of factors, including market conditions, site constraints, land availability, and property owner interest. Requirements of the CPU and of applicable zoning (such as required setbacks or height limits) may also limit development below the stated maximum density or intensity allowable under the CPU.

Appendix C: Air Quality Analysis for the Mission Valley Community Plan Update

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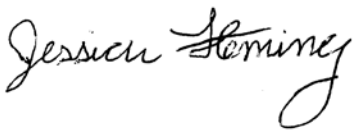
RECON

Air Quality Analysis for the Mission Valley Community Plan Update San Diego, California

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1: CalEEMod Output

Acronyms

ºC	degree Celsius
°F	degree Fahrenheit
µg/m^3	micrograms per cubic meter
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model 2013.2.2
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	carbon monoxide
CPU	community plan update
DPM	diesel particulate matter
GHG	greenhouse gas
I-5	Interstate 5
LOS	level of service
NAAQS	National Ambient Air Quality Standards
NO_2	nitrogen dioxide
NO_x	nitrogen oxides
PM_{10}	particulate matter less than 10 microns in diameter
$PM_{2.5}$	particulate matter less than 2.5 microns in diameter
ppb	parts per billion
ppm	parts per million
RAQS	Regional Air Quality Strategy
ROG	reactive organic gases
SANDAG	San Diego Association of Governments
SDAB	San Diego Air Basin
SDAPCD	San Diego Air Pollution Control District
SIP	State Implementation Plan
SMAQMD	Sacramento Metropolitan Air Quality Management District
SO_2	sulfur dioxide
TAC	toxic air contaminant
TCM	Transportation Control Measure
USC	United States Code
VOC	volatile organic compounds
U.S. EPA	U.S. Environmental Protection Agency
ITS	Intelligent Transportation Systems
TDM	Transportation Demand Management
CCAA	California Clean Air Act
H&SC	Health & Safety Code
µg/m^3	micrograms per cubic meter

Executive Summary

This report evaluates potential local and regional air quality impacts associated with the Mission Valley Community Plan Update (CPU). The CPU would update the adopted 1984 Mission Valley Community Plan. The updated community plan will provide goals and supporting policies for future development within the CPU area, consistent with the City of San Diego (City) General Plan (General Plan), as well as a long-range, comprehensive policy framework for growth and development in the community through 2050.

The CPU encompasses a broad range of the land use designations defined in the General Plan and contains a more detailed description and distribution of land uses than the citywide General Plan.

Consistency with Regional Air Quality Plans

The CPU supports the General Plan City of Villages strategy to focus growth into mixed-use activity centers that are pedestrian-friendly, centers of community, and linked to the regional transit system. Implementation of this strategy can decrease vehicle miles traveled and reduce mobile emissions. The CPU policies, implementing actions, and design guidelines support General Plan concepts such as increased walkability, enhanced pedestrian and bicycle networks, improved connections to transit, and sustainable development and green building practices. The CPU would be consistent with the San Diego Air Pollution Control District's (SDAPCD's) regional goals of providing infill housing, improving the balance between jobs and housing, and integrating land uses near major transportation corridors.

However, because the CPU would result in greater density, future emissions associated with build-out of the CPU would be greater than future emissions associated with build-out of the adopted land uses. Therefore, emissions of ozone precursors (reactive organic gases and oxides of nitrogen) would be greater than what is accounted for in the Regional Air Quality Strategy (RAQS). Thus, the CPU would conflict with implementation of the RAQS and would have a potentially significant impact on regional air quality.

The following mitigation measure would be implemented to address the potential impacts:

AQ-1 Within six months of the certification of the Final Program Environmental Impact Report, the City shall provide a revised land use map for the CPU area to San Diego Association of Governments (SANDAG) to ensure that any revisions to the population and employment projections used by SDAPCD in updating the RAQS and the State Implementation Plan (SIP) will accurately reflect anticipated growth due to the proposed CPU.

This measure would provide SANDAG with an updated land use map to assist SANDAG in revising the housing forecasts; however, until the anticipated growth is included in the emission estimates of the RAQS and the SIP, direct and cumulative impacts relative to

conformance with the RAQS would remain significant and unavoidable. It should be noted that the SDAPCD may revise an emission reduction strategy if the district demonstrates to the California Air Resources Board (CARB), and CARB finds, that the modified strategy is at least as effective in improving air quality as the strategy being replaced. The latest RAQS was updated in 2016 and only accounts for the transportation and land use plans that were in place at the time of its adoption. Thus, even with implementation of mitigation measure AQ-1, impacts related to conflicts with the applicable air quality plan would remain significant and unavoidable.

Air Quality Standards

Construction

To illustrate the range of potential construction-related air quality impacts from projects that could occur within the CPU area, two hypothetical projects were evaluated. The first hypothetical project analyzed is a 5-acre mixed-use development consisting of the demolition of a 20,000-square-foot structure and the construction of 300 multi-family residential units and 10,000 square feet of retail uses. Emissions due to construction of this hypothetical 5-acre mixed-use project would be less than the applicable thresholds for all criteria pollutants, and impacts would be less than significant.

The second hypothetical project analyzed is the demolition of the existing stadium and the redevelopment of the stadium site with 5,000 multi-family units, one million square feet of retail space, two million square feet of office space, a 50-acre park, and a 40,000-seat stadium. With the exception of stadium demolition activities, emissions due to construction of a stadium redevelopment project are anticipated to be less than the applicable thresholds for all criteria pollutants.

For a project that includes demolition of the existing stadium, implementation of mitigation measure AQ-1 would ensure the reduction of demolition emissions to a level less than significant, as was demonstrated in the Air Quality Technical Study prepared for the Stadium Reconstruction Project.

MM-AQ-2 Stadium Site Construction and Demolition. The following measures to reduce construction emissions shall be included in the specific plan for the stadium site and shall include, but not be limited to, the following:

- Equipment shall meet U.S. Environmental Protection Agency (U.S. EPA) Tier 4 emission standards.
- The construction contractor shall maintain and properly tune all construction equipment in accordance with manufacturer's specifications.
- The construction contractors shall minimize idling times either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485

of California Code of Regulations). Clear signage shall be provided for construction workers at all access points.

- A blasting execution plan shall be developed and approved prior to any implosion event. This blasting execution plan shall evaluate the feasibility of staged implosion to minimize dust generation and exposure.

- A public notification program shall be instituted prior to the implosion event, which includes recommendations to minimize exposure to airborne dust.

- The implosion shall be scheduled during periods of low/no wind speeds.

- A dust control plan shall be developed to identify measures and equipment necessary to minimize dust from windblown storage piles, off-site tracking of dust, debris loading, truck hauling of debris, vehicle speed limits, and to identify other dust suppression measures.

- An ambient air quality monitoring program shall be implemented proximate to the stadium to measure actual particulate matter concentrations.

Implementation of MM-AQ-2 would reduce construction-related air quality impacts for any future stadium project. However, due to the potential for significant growth in the CPU area, future development could exceed the SDAPCD screening thresholds; therefore, this impact is considered significant and unavoidable.

Operation

Pollutant emissions from build-out of all land uses within the CPU area would far exceed project-level City Significance Determination Thresholds. At the program level, the analysis looks at the emissions of the CPU in relation to the adopted Community Plan to determine if the emissions would exceed the emissions estimates included in the RAQS to determine whether it would obstruct attainment or result in an exceedance of Ambient Air Quality Standards that would result in the temporary or permanent exposure of persons to unhealthy concentrations of pollutants. As shown in this analysis, because the CPU would increase density, operational emissions associated with the proposed CPU would be greater for all pollutants when compared to the adopted Community Plan.

The regulations at the federal, state, and local levels provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies, and recommendations of the General Plan. However, it is possible that for certain discretionary projects, adherence to the regulations may not adequately protect air quality, and such projects would require additional measures to avoid or reduce significant air quality impacts. Ministerial projects would not be subject to further CEQA review. Because operational emissions associated with build-out of the proposed CPU would be greater for all pollutants when compared to adopted land uses and the assumptions used

to develop the RAQS, and because there could be certain projects that would not be able to reduce emissions below the thresholds, this impact would be significant and unavoidable.

Sensitive Receptors

Carbon Monoxide Hot Spots

Based on the Transportation Impact Analysis prepared for the CPU, several signalized intersections were found to operate at LOS E or F during the AM or PM peak hour with build-out of the CPU (Chen Ryan 2018). However, the intersection with the greatest peak hour volume would be the Interstate 15 (I-15) northbound ramps at Friars Road with a PM peak hour volume of 7,580 vehicles. Peak hour traffic volume at all intersections would be less than the carbon monoxide (CO) hot spot screening volume of 31,600 vehicles per hour. Therefore, the CPU is not anticipated to result in a CO hot spot, and impacts would be less than significant.

Toxic Air Emissions

Construction

Construction of future projects and associated infrastructure implemented under the CPU would result in short-term diesel exhaust emissions from on-site heavy-duty equipment. Due to the highly dispersive nature of diesel particulate matter (DPM), and the fact that construction activities would occur intermittently and at various locations over the lifetime of the CPU, DPM generated by construction is not expected to expose sensitive receptors to significant toxic air emissions. Additionally, with ongoing implementation of U.S. EPA and CARB requirements for cleaner fuels; off-road diesel engine retrofits; and new, low-emission diesel engine types; the DPM emissions of individual equipment would be substantially reduced over the years as build-out continues. Therefore, construction related air quality impacts would be less than significant.

Stationary Sources

Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources are regulated by the local air pollution control or management district through the issuance of permits; in this case, the agency is the SDAPCD. The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. With existing regulatory framework, at the program level, impacts associated with stationary sources in the CPU area would be less than significant.

Mobile Sources

Interstate 8 (I-8) travels east-west through the center of the CPU area, and I-15, Interstate 805 (I-805), State Route 163 (SR-163), and Interstate 5 (I-5) travel north-south through and adjacent to the CPU area. Residential uses are currently located within 500 feet of these freeways, and future sensitive land uses could be located adjacent to these freeways. Consistent with the goals of CARB's handbook, the CPU policies, implementing actions, and design guidelines support infill, mixed-use, higher density, and transit-oriented development that would benefit regional air quality. By promoting this type of development and incorporating policies into the CPU to ensure site planning and building design minimizes exposure of sensitive receptors to mobile source emissions, implementation of the CPU is consistent with the goals of CARB and would not expose sensitive receptors to substantial pollutant concentrations. Impacts related to exposure of sensitive receptors to mobile source emissions would be less than significant.

Air Movement

The CPU area is heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the CPU would result in a similar development pattern and would not substantially change air movement within the CPU area. Impacts would be less than significant.

Odor

The CPU proposes multi-family residential, commercial/retail, office, institutional, hotel, industrial, school, and park and open space land uses. The CPU would not introduce land uses that would generate substantial odor. While specific developments within the CPU area are not known at this program level of analysis, planned land uses would not encourage or support uses that would be associated with significant odor generation. Odors associated with restaurants or other commercial uses would be similar to existing residential and food service uses throughout the CPU area. Additionally, auto body shops would be required to comply with SDAPCD Rule 51 (Public Nuisance). Odor generation is generally confined to the immediate vicinity of the source. Thus, implementation of the proposed CPU and associated discretionary actions would not create operational-related objectionable odors affecting a substantial number of people within the City. Therefore, impacts related to objectionable odors would be less than significant.

1.0 Introduction

The purpose of this report is to assess potential short- and long-term local and regional air quality impacts resulting from the Mission Valley Community Plan Update (CPU).

Population, vehicle trends, and planned land use are important considerations in both evaluating emissions of pollutants into the air by mobile and stationary sources and developing a policy framework and mitigation measures, as necessary, to address air quality impacts. Mobile sources of pollutants are gas and diesel-powered motor vehicles, construction equipment, trains, and airplanes. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses.

The state of California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. Areas within each air basin are considered to share the same air masses and, therefore, are expected to have similar ambient air quality. The project site is located within the San Diego Air Basin (SDAB). The SDAB is currently classified as a federal non-attainment area for ozone, and a state non-attainment area for particulate matter less than 10 microns (PM_{10}), particulate matter less than 2.5 microns ($PM_{2.5}$), and ozone.

Air quality impacts may result from the construction and operation of projects that would occur as part of implementation and build-out under the CPU. Construction impacts are short-term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operation emissions are long-term and include mobile (i.e., traffic generated by the proposed land uses) and area sources (i.e., natural gas, fireplaces, and consumer products). Operational impacts can occur on two levels: regional impacts resulting from development or local hot-spot effects experienced by sensitive receivers close to highly congested roadways.

The analysis of impacts is based on federal and state Ambient Air Quality Standards (AAQS) and is assessed in accordance with the guidelines, policies, and standards established by the City of San Diego (City) and the San Diego Air Pollution Control District (SDAPCD). CPU compatibility with the adopted air quality plan for the area is also assessed. Measures are recommended, as required, to reduce potentially significant impacts.

2.0 Project Description

2.1 Project Location

Mission Valley is located at nearly the geographic center of the city of San Diego. The CPU area encompasses the valley formed by the San Diego River, a significant natural and recreational asset for the city. The CPU area sits at the crossroads of the regional freeway system, with access from Interstate 5 (I-5), Interstate 8 (I-8), Interstate 15 (I-15), Interstate 805 (I-805), and State Route 163 (SR-163). The CPU area is a regional center of office,

hotels, and retail sales. The CPU area is also a major regional visitor center, hosting a large number of hotels in close proximity to nearby tourist attractions such as Mission Bay, Sea World, and Balboa Park.

The CPU area encompasses 3,216 acres and is generally bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and I-5 on the west. The CPU area is surrounded by several other community planning areas: Old Town San Diego, Uptown, Greater North Park, Normal Heights, Kensington–Talmadge, College Area, Navajo, Tierrasanta, Kearny Mesa, Serra Mesa, Linda Vista, and Mission Bay Park.

Figure 1 shows the regional location of the CPU area, and Figure 2 shows an aerial photograph.

2.2 Project Background

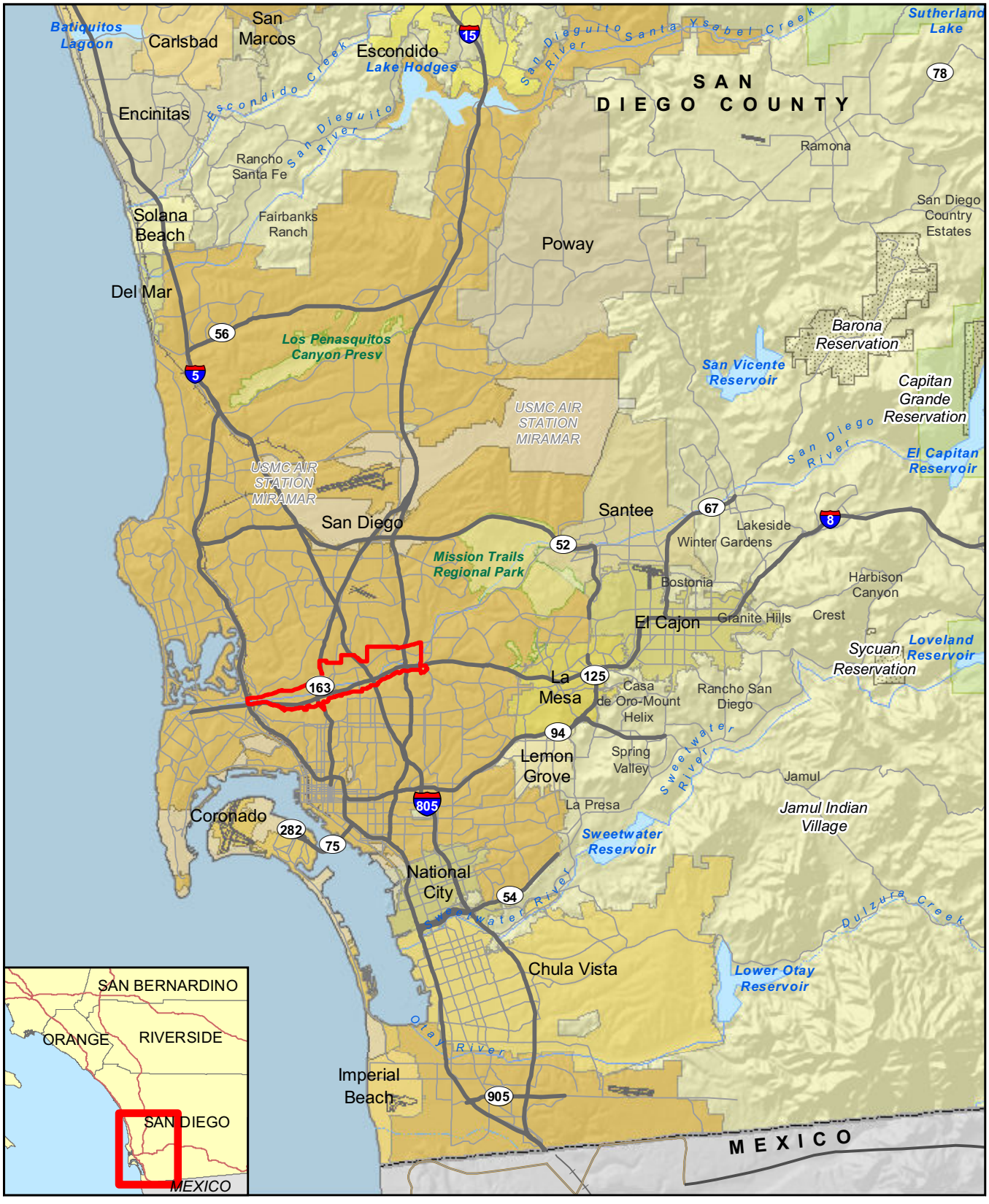
The CPU would update the adopted 1984 Mission Valley Community Plan. The CPU provides goals and supporting policies for future development within the CPU area, consistent with the General Plan, and a long-range, comprehensive policy framework for growth and development in the community through 2050.

The CPU addresses a range of topics, including Land Use; Mobility; Urban Design; Economic Prosperity; Public Facilities, Services, and Safety; Recreation; Conservation; Noise; Historic Preservation; and Arts and Culture.

The CPU evaluates existing conditions on a community-wide level and develops the long-term vision for Mission Valley. In addition to augmenting the General Plan and providing detailed land use guidance for the Mission Valley community, the CPU would also play a role in helping to achieve statewide regulatory objectives including reducing greenhouse gas emissions; promoting public health; improving air and water quality; reducing automobile use and fuel consumption; encouraging efficient development patterns; protecting natural and agricultural resources; encouraging infill and compact development; revitalizing urban and community centers; increasing availability of affordable housing; promoting water conservation; improving the infrastructure system; and promoting energy efficiency and conservation measures.

2.3 Development Summary

The CPU encompasses a broad range of the land use designations defined in the General Plan and contains a more detailed description and distribution of land uses than the citywide General Plan. Land uses for the base year (2012), the adopted Community Plan, and the proposed CPU build-out are summarized in Table 1. Figure 3 shows the proposed CPU land uses.



Mission Valley Community Plan Boundary

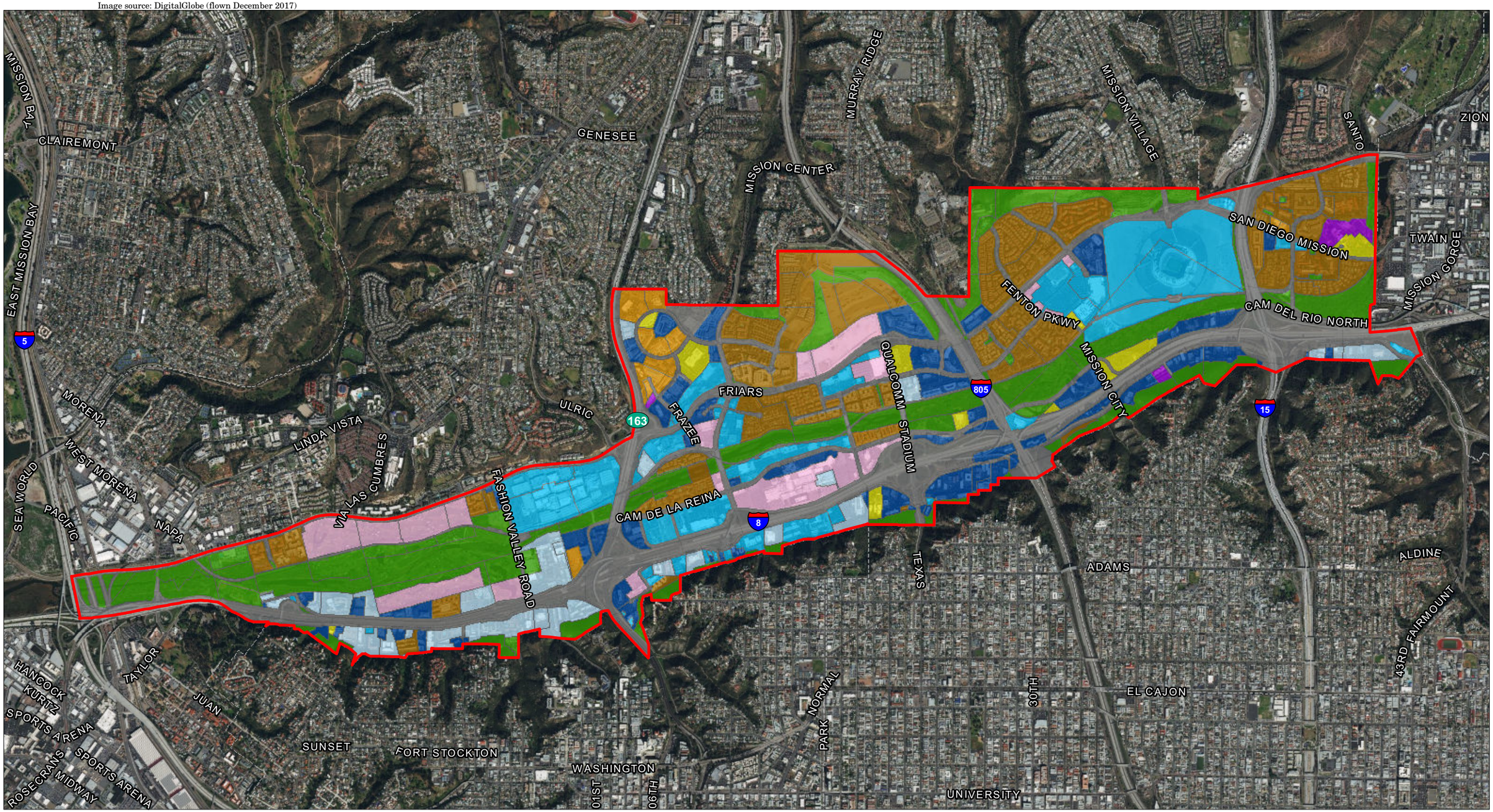
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FIGURE 1

Regional Location

Image source: DigitalGlobe (flown December 2017)



Mission Valley Community Plan Boundary

Existing Planned Land Use

- Commercial
- Hotel/Motel
- Office Space
- Industrial
- Mixed Use
- Public Services and Healthcare
- Educational
- Parks and Open Space
- Residential
- Transportation, Communitcations and Utilities

0 Feet 2,000

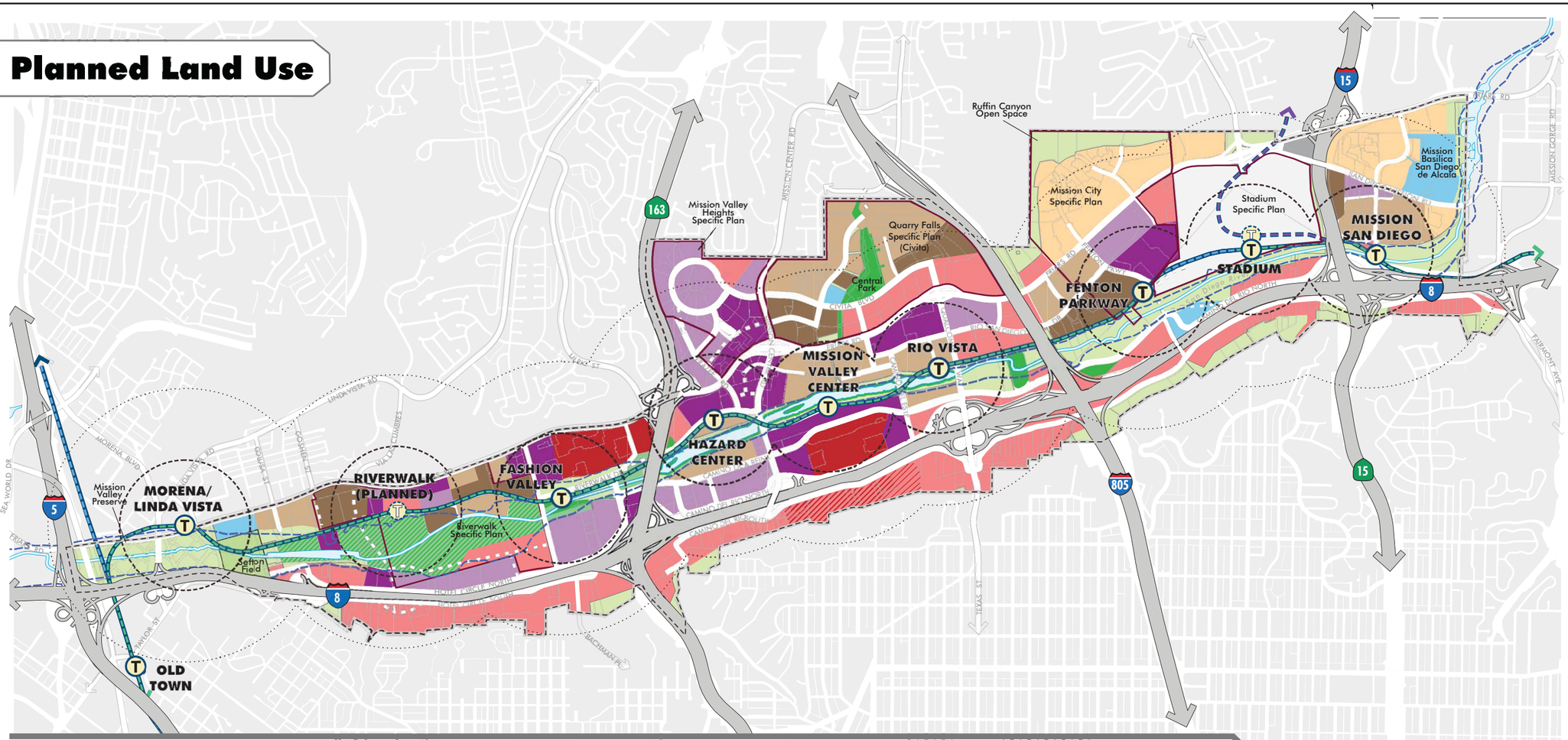
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FIGURE 2

Existing Community Plan Land Use

Planned Land Use



General Information

- Mission Valley Community Plan Area
- 100 Year Floodway
- Specific Plan
- Parcels
- Planned Roadway

Transit

- Existing Trolley (Blue Line)
- Existing Trolley (Green Line)
- Planned Trolley (Purple Line)
- Planned Trolley Stop (Riverwalk)

Land Use

- Mixed Use (HD)
- Mixed Use (MD)
- Residential (HD)
- Residential (MD)
- Residential (LD)
- Commercial/Office/Hotel
- Regional Retail
- Office/Hotel/Regional Retail
- Public/Institutional

Park and Open Space

- Existing Park
- Existing Open Space
- Potential Park
- Potential Open Space
- Potential Park/Open Space

40ac
10ac

0 1/4 1/2 1
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FIGURE 3
Proposed CPU Land Uses

Table 1 Existing, Adopted, and Proposed Land Uses			
Land Use	Base Year (2012)	Adopted Community Plan (2050)	Proposed Community Plan Update (2050)
Residential Development (dwelling units)			
Single-family	1	1	1
Multi-family	11,243	23,199	39,156
Total Housing	11,244	23,200	39,157
Non-Residential Development (square feet)			
Commercial/Retail	5,231,350	6,215,920	7,244,347
Office	7,418,523	11,788,498	12,087,208
Motel/Hotel	3,648,880	6,293,266	4,406,391
Industrial	603,210	529,348	120,711
Institutional/Community Facilities	158,839	175,129	195,358
Hospital/Clinic	67,223	67,223	42,803
University and Other College	247,577	223,098	189,163
Schools K to 12	96,200	96,200	105,650
Recreational	195,181	180,956	646,278
Total Non-Residential Development	17,666,983	25,569,638	25,037,909

2.4 Policies and Implementing Actions

The CPU contains policies and implementing actions to guide future development within the CPU area. The following policies are related to air quality:

Mixed Use Development

- MXU-4 In mixed-use sites adjacent to transit stops and stations, employment uses should be prioritized in areas directly adjacent to transit services to promote transit ridership.

Green Building Practices

- GBP-1 The use of sustainable building practices is highly encouraged. New buildings should strive to qualify for Leadership in Energy and Environmental Design accreditation.
- GBP-2 Building heat gain should be achieved through at least three of the following measures:
    - Orient new buildings to minimize east and west facing facades.
    - Configure buildings in such way as to create internal courtyards to trap cool air while still encouraging interaction with streets and open spaces.
    - Design deep-set fenestration on south facing facades and entries.
    - Utilize vertical shading and fins on east and west facing building facades.

  - Using horizontal overhangs, awning or shade structures above south facing windows to mitigate summer sun but allow winter sun. Encourage overhang width to equal half the vertical window height to shade the window from early May to mid-August but still allowing the winter sun.
  - Install high vents or open windows on the leeward side of the buildings to let the hottest air, near the ceiling, escape.
  - Create low open vents or windows on the windward side that accepts cooler air to replace the hotter air.
  - Include high ceiling vaults and thermal chimneys to promote rapid air changes and to serve as architectural articulation for buildings.

- GBP-3 New development should not inhibit the solar access of neighboring buildings to the maximum extent practical.

Walkability

- WLK-1 New development should designate public access easements consistent with the planned paseos identified in Figure 5 [of the CPU].
- WLK-2 New streets and pedestrian and bicycle connections should include adequate lighting for pedestrian and cyclist safety and comfort, particularly along freeway and bridge underpasses, and along the San Diego River Trail.
- WLK-3 Shade-producing street trees and street furnishing near schools and transit stops should be provided by new development.
- WLK-4 An irrevocable offer of dedication should be provided with new development to provide adequate space to accommodate a future bridge landing or pedestrian connection if located adjacent to the planned pedestrian bridges in Figure 5 [of the CPU].
- WLK-5 New development adjacent to the San Diego River should include a publicly accessible thru-block connection to provide access to the San Diego River Trail, consistent with the requirements of the San Diego River Park Master Plan.

Bicycling

- BIC-1 New development required to build 10 long-term bicycle parking spaces should provide a sheltered Bike Kitchen–a place to use tools and repair bicycles.
- BIC-2 Ensure bicycle parking is provided in a visible, well-lit area.
- BIC-3 Access plans for new development should clearly identify ingress and egress for bicycles, with minimum interaction with vehicles.

- BIC-4 New development should provide connections to bicycle trails and routes per the San Diego Regional Bicycle Plan. Open spaces should also be located to abut or provide direct access to bicycle facilities.

Transit

- TRN-1 New development should support nearby transit stations/bus stops by providing access that is visible, convenient, and comfortable to all residents and/or tenants.
- TRN-2 New development directly adjacent to transit stops should design the surrounding area to support a safe and comfortable waiting experience.

Parking

- PRK-2 New development should consider unbundled parking to offset development costs and encourage use of alternative transportation modes.
- PRK-3 New development should consider applying the Parking Standards for Transit Priority Areas once available.
- PRK-4 New development should consider designating priority electric vehicle and zero emissions vehicle parking.
- PRK-10 Bicycle parking should be located near building entrances and exits, and should be secured, weather protected, and illuminated with adequate lighting.

Streets

- STR-1 New development within Mission Valley should provide a well-connected grid of internal streets and ample provisions for pedestrian and bicycle mobility.

Intelligent Transportation Systems (ITS)

- ITS-1 New development should coordinate with the City's Transportation and Storm Water Department and Development Services Department to identify opportunities to incorporate ITS technologies as a means to improve transportation efficiency.
- ITS-2 New development should coordinate with the City's Transportation and Storm Water Department and Development Services Department to identify opportunities to incorporate ITS technologies as a means to improve transportation efficiency.

Transportation Demand Management (TDM)

- TDM-1 New development considering community circulators as a TDM measure should evaluate a coordinated effort with additional properties to expand the service and access more destinations.

- TDM-2 New development should consider developing and implementing an approved TDM Plan designed to reduce peak period automobile use and lower the minimum parking requirement. Reference San Diego Municipal Code 142.0540(c).
- TDM-3 New development should incorporate mobility hub features such as Electric Vehicle (EV) chargers, rideshare pick-up/drop-off space, bicycle parking, and transit information.
- TDM-4 New development should designate visible space along the property frontage to allow for staging of shared vehicles such as bikes and scooters.
- TDM-5 New development should consider participating in existing TDM programs, including but not limited to those overseen by the San Diego Association of Governments (SANDAG) and San Diego Metropolitan Transit System, in order to:
    - Encourage rideshare and carpool for major employers and employment centers. Promote car/vanpool matching services.
    - Continue promotion of SANDAG's guaranteed ride home for workers who carpool throughout Mission Valley.
    - Provide flexible schedules and telecommuting opportunities for employees.
- TDM-6 New development should provide flexible curb space in commercial/retail and residential areas to meet the needs of shared mobility services and the changing demands of users.
- TDM-7 New development should post information related to available transit service and bicycle infrastructure as a means to encourage use of alternative transportation modes.
- TDM-8 Employers should consider providing "parking cash out" options to employees—option for employees to receive the cash value of employer-paid parking subsidies in lieu of a parking spot—as an alternative to providing free or subsidized parking or transit passes.

Smart Cities

- SMC-1 Consider providing priority parking and charging stations (preferably solar) to promote sustainable practices and accommodate the use of Electric Vehicles (EVs), including smaller short-distance neighborhood electric vehicles.
- SMC-2 For energy efficiency and to minimize light pollution, lighting with adaptive controls should be considered for new and infill development.
- SMC-3 Developers should design, install, test, and dedicate conduit, inside wiring, and other necessary or appropriate communications infrastructure to run from a connection point in such building to the lot line adjacent to a public

right-of-way where there exists or may exist in the future a fiber optic broadband network.

Area-Specific: Transit Adjacent

- TAD-1 Buildings entrances and pedestrian paths should be designed to provide convenient access to the trolley, and, where possible, direct views of the trolley station.
- TAD-2 Active uses, such as retail, café, and restaurants, should be visible and/or easily accessible to transit users embarking or disembarking the trolley stations.
- TAD-3 Development within transit areas should incorporate pedestrian-oriented amenities such as enhanced streetscape design; parks; pocket parks; public plazas; large-canopy street trees; seating and shade structures; and water features, which shorten the perceived walking distances within transit areas.
- TAD-4 Within transit areas, sites plans should facilitate connectivity to transit stations through placement and orientation of pedestrian paths.

Area Specific: Freeway Adjacent

- FAD-1 Buildings adjacent to a freeway should be buffered from the freeway by off-street parking or ample landscaping.
- FAD-2 Freeway-adjacent buildings should be oriented such that courtyards and residential units with operable windows and balconies face away from the freeway.
- FAD-3 All residential units should be located above the freeway elevation.

In addition to these policies, the CPU contains numerous Implementing Actions related to the mobility network that support the efficient movement of pedestrians, cyclists, transit riders, motorists, and goods that would improve the transit, pedestrian, and bicycling network and encourage alternative modes of transportation, thereby reducing mobile-source emissions in the CPU area.

3.0 Regulatory Framework

"Air pollution" is a general term that refers to one or more chemical substances that degrade the quality of the atmosphere. Individual air pollutants may adversely affect human or animal health, reduce visibility, and damage our natural environment. The Clean Air Act (CAA) requires the U.S. Environmental Protection Agency (U.S. EPA) to set AAQS for six common pollutants, known as criteria pollutants. The pollutants regulated as criteria pollutants are: ozone, carbon monoxide (CO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), lead, and particulate matter (PM_{10} and $PM_{2.5}$).

Motor vehicles are San Diego County's leading source of air pollution (SDAPCD 2016). Other mobile sources include construction equipment, trains, and airplanes. Emission standards for mobile sources are established by the California Air Resources Board (CARB) at the state level and the U.S. EPA at the federal level. Reducing mobile source emissions requires the technological improvement of existing mobile sources (e.g., retrofitting older vehicles with cleaner emission technologies) and the examination of cleaner fuels and technologies in the development of future mobile sources. The State of California has developed statewide programs to encourage cleaner cars and cleaner fuels. The regulatory framework described below details the federal and state agencies that are in charge of monitoring and controlling mobile source air pollutants and the measures currently being taken to achieve and maintain healthful air quality.

In addition to mobile sources, stationary sources also contribute to air pollution. Stationary sources are regulated by the SDAPCD and include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses.

3.1 Federal Regulations

AAQS represent the maximum levels of background pollution considered safe, with an adequate margin of safety, to protect the public health and welfare. The federal CAA was enacted in 1970 and amended in 1977 and 1990 (42 United States Code [USC] 7401) for the purposes of protecting and enhancing the quality of the nation's air resources to benefit public health, welfare, and productivity. In 1971, in order to achieve the purposes of Section 109 of the CAA [42 USC 7409], the EPA developed primary and secondary National Ambient Air Quality Standards (NAAQS).

Six criteria pollutants of primary concern have been designated: ozone, CO, SO_2, NO_2, lead, and PM. The primary NAAQS ". . . in the judgment of the Administrator, based on such criteria and allowing an adequate margin of safety, are requisite to protect the public health . . . " and the secondary standards ". . . protect the public welfare from any known or anticipated adverse effects associated with the presence of such air pollutant in the ambient air" [42 USC 7409(b)(2)]. The primary NAAQS were established, with a margin of safety, considering long-term exposure for the most sensitive groups in the general population (i.e., children, senior citizens, and people with breathing difficulties). The NAAQS are presented in Table 2 (CARB 2016).

An air basin is designated as either attainment or non-attainment for a particular pollutant; non-attainment areas may be further classified as marginal, moderate, serious, severe, or extreme non-attainment area. States are required to adopt enforceable plans, known as a State Implementation Plan (SIP), to achieve and maintain air quality meeting the NAAQS. State plans also must control emissions that drift across state lines and harm air quality in downwind states. Once a non-attainment area has achieved the NAAQS for a particular pollutant, it is redesignated as an attainment area for that pollutant. To be redesignated, the area must meet air quality standards for three consecutive years. After redesignation to attainment, the area is known as a maintenance area and must develop a 10-year plan for continuing to meet and maintain air quality standards, as well as satisfy

other requirements of the CAA. The SDAB is a non-attainment area for the federal ozone standards.

3.2 State Regulations

3.2.1 Criteria Pollutants

The California Clean Air Act (CCAA) was enacted in 1988 (California Health & Safety Code [H&SC] Section 39000 et seq.). Under the CCAA, CARB has developed the California Ambient Air Quality Standards (CAAQS) and generally has set more stringent limits on the criteria pollutants than the NAAQS (Table 2). In addition to the federal criteria pollutants, the CAAQS also specify standards for visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride (see Table 2).

Similar to the federal CAA, the state classifies as either "attainment" or "non-attainment" areas for each pollutant based on the comparison of measured data with the CAAQS. The SDAB is a non-attainment area for the state ozone, PM_{10} , and the $PM_{2.5}$ standards.

3.2.2 State Implementation Plan

The SIP is a collection of documents that set forth the state's strategies for achieving the NAAQS. In California, the SIP is a compilation of new and previously submitted plans, programs (such as monitoring, modeling, permitting, etc.), district rules, state regulations, and federal controls. The CARB is the lead agency for all purposes related to the SIP under the state law. Local air districts and other agencies, such as the Department of Pesticide Regulation and the Bureau of Automotive Repair, prepare SIP elements and submit them to CARB for review and approval. The CARB then forwards SIP revisions to the U.S. EPA for approval and publication in the Federal Register. All of the items included in the California SIP are listed in the Code of Federal Regulations (CFR) at 40 CFR 52.220.

The SDAPCD is responsible for preparing and implementing the portion of the SIP applicable to the SDAB. The SIP plans for San Diego County specifically include the Redesignation Request and Maintenance Plan for the 1997 National Ozone Standard for San Diego County (2012), and the 2004 Revision to the California State Implementation Plan for Carbon Monoxide–Updated Maintenance Plan for Ten Federal Planning Areas.

3.2.3 Toxic Air Contaminants

The public's exposure to toxic air contaminants (TACs) is a significant public health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health (Assembly Bill [AB] 1807: Health and Safety Code Sections 39650–39674). The Legislature established a two-step process to address the potential health effects from TACs. The first step is the risk assessment (or identification) phase. The second step is the risk management (or control) phase of the process.

Table 2
Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone[8]	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	–	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.07 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM_{10})[9]	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		–		
Fine Particulate Matter ($PM_{2.5}$)[9]	24 Hour	No Separate State Standard		35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-dispersive Infrared Photometry	35 ppm (40 mg/m³)	–	Non-dispersive Infrared Photometry
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	–	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		–	–	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemi-luminescence	100 ppb (188 µg/m³)	–	Gas Phase Chemi-luminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	–	Ultraviolet Fluorescence; Spectro-photometry (Pararosaniline Method)
	3 Hour	–		–	0.5 ppm (1,300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[11]	–	
	Annual Arithmetic Mean	–		0.030 ppm (for certain areas)[11]	–	
Lead[12,13]	30 Day Average	1.5 µg/m³	Atomic Absorption	–	–	High Volume Sampler and Atomic Absorption
	Calendar Quarter	–		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	–		0.15 µg/m³		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m³	Ion Chroma-tography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m³)	Gas Chroma-tography			

Table 2
Ambient Air Quality Standards

NOTES:
ppm = parts per million; ppb = parts per billion; µg/m^3 = micrograms per cubic meter; mg/m^3 = milligram per cubic meter; – = not applicable.

[1] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[2] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

[3] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25 degrees Celsius (°C) and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[4] Any equivalent measurement method which can be shown to the satisfaction of the Air Resources Board to give equivalent results at or near the level of the air quality standard may be used.

[5] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[6] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[7] Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

[8] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[9] On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standards of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[10] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national standards are in units of ppb. California standards are in units of ppm. To directly compare the national standards to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[11] On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of ppb. California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[12] CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[13] The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[14] In 1989, CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

SOURCE: CARB 2016.

The California Air Toxics Program establishes the process for the identification and control of TACs and includes provisions to make the public aware of significant toxic exposures and for reducing risk. Additionally, the Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly Bill) was enacted in 1987 and requires stationary sources to report the types and quantities of certain substances routinely released into the air. The goals of the Air Toxics "Hot Spots" Act are to collect emission data, to identify facilities having localized impacts, to ascertain health risks, to notify nearby residents of significant risks, and to reduce those significant risks to acceptable levels. The Children's Environmental Health Protection Act, California Senate Bill 25 (Chapter 731, Escutia, Statutes of 1999), focuses on children's exposure to air pollutants. The act requires CARB to review its air quality standards from a children's health perspective, evaluate the statewide air monitoring network, and develop any additional air toxic control measures needed to protect children's health. Locally, toxic air pollutants are regulated through the SDAPCD's Regulation XII. Of particular concern statewide are diesel-exhaust particulate matter emissions. Diesel-exhaust particulate matter was established as a TAC in 1998, and is estimated to represent a majority of the cancer risk from TACs statewide (based on the statewide average). Diesel exhaust is a complex mixture of gases, vapors, and fine particles. This complexity makes the evaluation of health effects of diesel exhaust a complex scientific issue. Some of the chemicals in diesel exhaust, such as benzene and formaldehyde, have been previously identified as TACs by the CARB and are listed as carcinogens either under the state's Proposition 65 or under the federal Hazardous Air Pollutants program.

Following the identification of diesel particulate matter (DPM) as a TAC in 1998, CARB has worked on developing strategies and regulations aimed at reducing the risk from DPM. The overall strategy for achieving these reductions is found in the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles* (CARB 2000). A stated goal of the plan is to reduce the statewide cancer risk arising from exposure to DPM by 85 percent by 2020.

In April 2005, CARB published the *Air Quality and Land Use Handbook: A Community Health Perspective* (CARB 2005). The handbook makes recommendations directed at protecting sensitive land uses from air pollutant emissions while balancing a myriad of other land use issues (e.g., housing, transportation needs, economics, etc.). It notes that the handbook is not regulatory or binding on local agencies and recognizes that application takes a qualitative approach. As reflected in the CARB Handbook, there is currently no adopted standard for the significance of health effects from mobile sources. Therefore, the CARB has provided guidelines for the siting of land uses near heavily traveled roadways. Of pertinence to this study, the CARB guidelines indicate that siting new sensitive land uses within 500 feet of a freeway or an urban road with 100,000 or more vehicles per day should be avoided when possible. Figure 4 shows the roadways that currently carry 100,000 or more vehicles per day. As shown, only the freeways currently carry these heavy traffic volumes.

According to the studies used to support the advisory distances, the freeways used in the handbook analysis were Interstate 405 and Interstate 710, both in Los Angeles and both with volumes of over 200,000 vehicles per day along the segments studied. Actual air emissions and concentration levels are more nuanced and varied in the CPU area and depend on local factors such as traffic volumes, wind speed and direction, and

meteorological conditions. Rather, the handbook recommendations are designed to fill a gap where area-specific information is not available.

As an ongoing process, CARB will continue to establish new programs and regulations for the control of DPM and other air-toxics emissions as appropriate. The continued development and implementation of these programs and policies will ensure that the public's exposure to DPM will continue to decline.

3.2.4 The California Environmental Quality Act

Section 15125(d) of the California Environmental Quality Act (CEQA) Guidelines requires discussion of any inconsistencies between the project and applicable general plans and regional plans, including the applicable air quality attainment or maintenance plan (or SIP).

3.3 Local Regulations

3.3.1 Regional Air Quality Strategy

The SDAPCD is the agency that regulates air quality in the SDAB. The SDAPCD prepared the Regional Air Quality Strategy (RAQS) to address state requirements, pursuant to the CCAA of 1988 (H&SC Section 39000 et seq.). The CCAA requires areas that are designated nonattainment of CAAQS for ozone, CO, SO_2, or NO_2 to prepare and implement state plans to attain the standards by the earliest practicable date (H&SC Section 40911(a)). With the exception of state ozone standards, each of these standards has been attained in the SDAB (SDAPCD 2016).

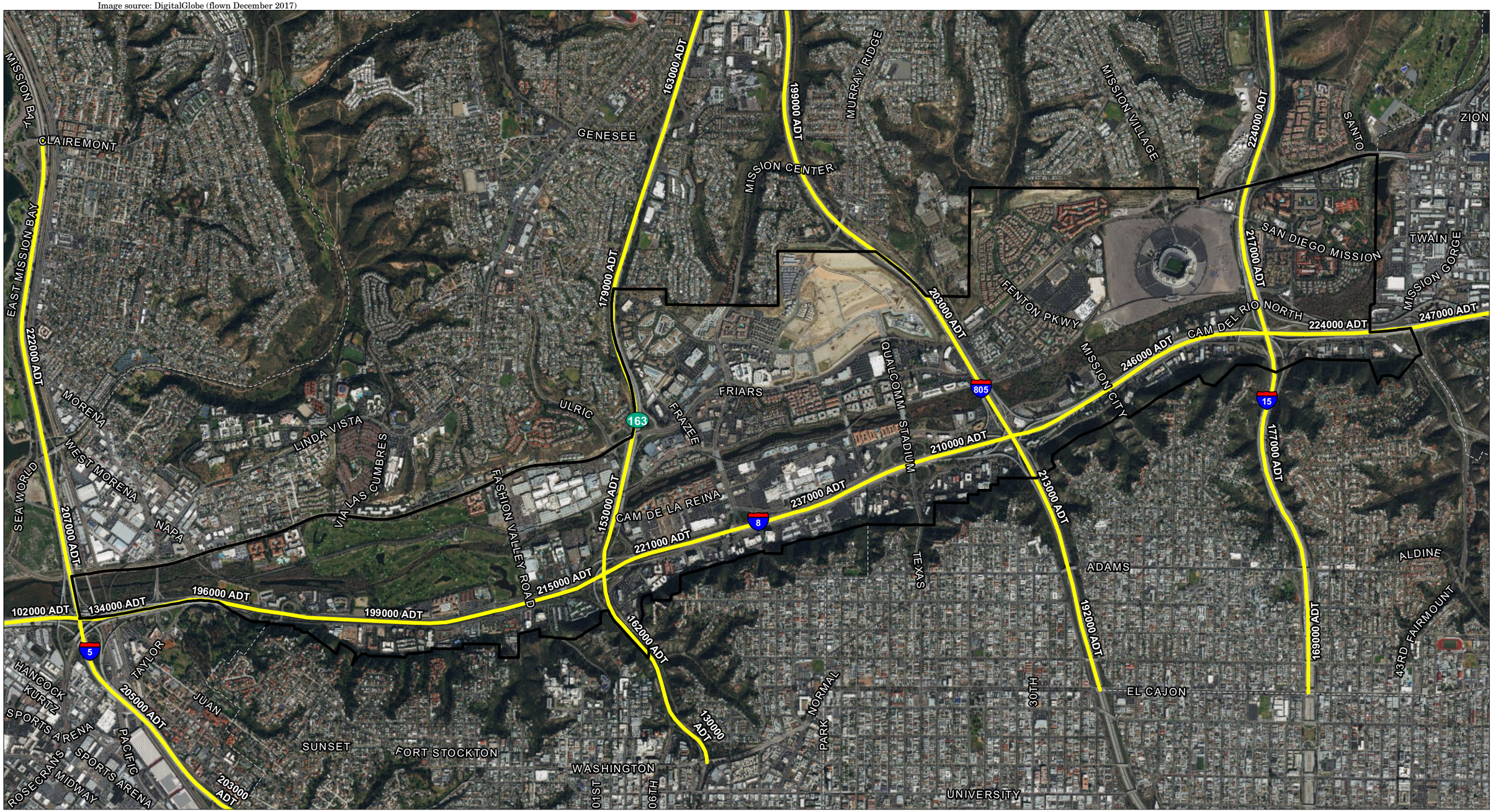
Included in the RAQS are the Transportation Control Measures (TCMs) prepared by SANDAG that control emissions from mobile sources (SDAPCD 2016). The RAQS and TCM set forth the steps needed to accomplish attainment of CAAQS for ozone. The most recent update of the RAQS and corresponding TCMs were adopted in 2016.

The SDAPCD has also established a set of rules and regulations initially adopted on January 1, 1969, and periodically reviewed and updated. These rules and regulations are available for review on the agency's website.

3.3.2 Rule 51 (Odors)

San Diego APCD Rule 51 prohibits emissions from any source whatsoever in such quantities of air contaminants or other material, which cause injury, detriment, nuisance, or annoyance to the public health or damage to property. The provisions of these regulations do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals. It is generally accepted that the considerable number of persons requirement in Rule 51 is normally satisfied when 10 different individuals/households have made separate complaints within 90 days. Odor complaints from a "considerable" number of persons or businesses in the area will be considered to be a significant, adverse odor impact.

Image source: DigitalGlobe (flown December 2017)



0 Feet 2,000

Mission Valley Community Plan Boundary

Freeway ADT

RECON

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FIGURE 4

Freeways Carrying More Than 100,000 Vehicles Per Day

Every use and operation shall be conducted so that no unreasonable heat, odor, vapor, glare, vibration (displacement), dust, smoke, or other forms of air pollution subject to SDAPCD standards shall be discernible at the property line of the parcel upon which the use or operation is located. Therefore, any unreasonable odor discernible at the property line of the project site will be considered a significant odor impact.

4.0 Environmental Setting

4.1 Geographic Setting

The CPU area is located in the SDAB between approximately three and nine miles east of the Pacific Ocean. This portion of the SDAB is subject to frequent offshore breezes. The CPU area includes a part of the San Diego River and its floodplain, and is generally bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and I-5 on the west.

The eastern portion of the SDAB is surrounded by mountains to the north, east, and south. These mountains tend to restrict airflow and concentrate pollutants in the valleys and low-lying areas below.

4.2 Climate

The CPU area, like the rest of San Diego County's coastal areas, has a Mediterranean climate characterized by warm, dry summers and mild winters. The average annual precipitation is 10 inches, falling primarily from November to April. The mean annual temperature for the project area is 63 degrees Fahrenheit (°F). Winter low temperatures in the project area average about 49°F, and summer high temperatures average about 74°F. The average relative humidity is 69 percent and is based on the yearly average humidity at Lindbergh Field (Western Regional Climate Center 2015).

The dominant meteorological feature affecting the region is the Pacific High Pressure Zone, which produces the prevailing westerly to northwesterly winds. These winds tend to blow pollutants away from the coast toward the inland areas. Consequently, air quality near the coast is generally better than that which occurs at the base of the coastal mountain range.

Fluctuations in the strength and pattern of winds from the Pacific High Pressure Zone interacting with the daily local cycle produce periodic temperature inversions that influence the dispersion or containment of air pollutants in the SDAB. As pollutants are carried inland by prevailing winds, they frequently become "trapped" against the mountain slopes by a temperature inversion layer as their ability to disperse diminishes. Generally, the morning inversion layer is lower than the afternoon inversion layer. The greater the change between the morning and afternoon mixing depths the greater the ability of the atmosphere to disperse pollutants.

Throughout the year, the height of the temperature inversion in the afternoon varies between approximately 1,500 and 2,500 feet above mean sea level. In winter, the morning inversion layer is about 800 feet above mean sea level. In summer, the morning inversion layer is about 1,100 feet above mean sea level. Therefore, air quality generally tends to be better in the winter than in the summer.

The prevailing westerly wind pattern is sometimes interrupted by regional "Santa Ana" conditions. A Santa Ana occurs when a strong high pressure develops over the Nevada–Utah area and overcomes the prevailing westerly coastal winds, sending strong, steady, hot, dry northeasterly winds over the mountains and out to sea.

Strong Santa Ana winds tend to blow pollutants out over the ocean, producing clear days. However, at the onset or during breakdown of these conditions, or if the Santa Ana is weak, local air quality may be adversely affected. In these cases, emissions from the South Coast Air Basin to the north are blown out over the ocean, and low pressure over Baja California draws this pollutant-laden air mass southward. As the high pressure weakens, prevailing northwesterly winds reassert themselves and send this cloud of contamination ashore in the SDAB. When this event does occur, the combination of transported and locally produced contaminants produce the worst air quality measurements recorded in the basin.

4.3 Existing Air Quality

Air quality at a particular location is a function of the kinds, amounts, and dispersion rates of pollutants being emitted into the air locally and throughout the basin. The major factors affecting pollutant dispersion are wind speed and direction, the vertical dispersion of pollutants (which is affected by inversions), and the local topography.

Air quality is commonly expressed as the number of days in which air pollution levels exceed state standards set by the CARB or federal standards set by the U.S. EPA. The San Diego APCD 2017 Annual Air Quality Monitoring Network Plan includes 10 air-quality monitoring stations located throughout the greater San Diego metropolitan region (SDAPCD 2018). Air pollutant concentrations and meteorological information are continuously recorded at these stations. Measurements are then used by scientists to help forecast daily air pollution levels.

The San Diego–Kearny Villa Road monitoring station located at 6125A Kearny Villa Road, approximately four miles north of the CPU area, and the San Diego–Beardsley Street monitoring station located at 1110A Beardsley Street, approximately four miles south of the CPU area are the nearest stations to the CPU area. The San Diego–Kearny Villa Road monitoring station measures ozone, NO_2, PM_{10}, and $PM_{2.5}$ and the San Diego – Beardsley Street monitoring station measures ozone, NO_2, PM_{10}, and $PM_{2.5}$. Table 3 provides a summary of measurements collected at the San Diego–Kearny Villa Road and San Diego–Beardsley Street monitoring stations for the years 2015 through 2017.

Table 3
Air Quality Measurements Recorded at the
San Diego–Kearny Villa Road and San Diego–Beardsley Street Monitoring Stations

Pollutant/Standard	2015	2016	2017
San Diego–Kearny Villa Road			
Ozone			
Days State 1-hour Standard Exceeded (0.09 ppm)	0	0	2
Days State 8-hour Standard Exceeded (0.07 ppm)	0	3	6
Days Federal 8-hour Standard Exceeded (0.07 ppm)	0	3	6
Max. 1-hr (ppm)	0.077	0.087	0.097
Max 8-hr (ppm)	0.070	0.075	0.083
Nitrogen Dioxide			
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0
Days Federal 1-hour Standard Exceeded (0.100 ppm)	0	0	0
Max 1-hr (ppm)	0.051	0.053	0.054
Annual Average (ppm)	0.009	0.009	0.009
Particulate Matter less than 10 microns in diameter			
Days State 24-hour Standard Exceeded (50 µg/m^3)	0	0	0
Days Federal 24-hour Standard Exceeded (150 µg/m^3)	0	0	0
State Max Daily (µg/m^3)	37.0	35.0	47.0
State Annual Average (µg/m^3)	16.7	—	17.6
Federal Max Daily (µg/m^3)	39.0	36.0	46.0
Federal Annual Average (µg/m^3)	17.0	17.1	17.6
Particulate Matter less than 2.5 microns in diameter			
Days Federal 24-hour Standard Exceeded (35 µg/m^3)	0	0	0
Max Daily (µg/m^3)	25.7	19.4	27.5
State Annual Average (µg/m^3)	—	7.8	8.0
Federal Annual Average (µg/m^3)	7.2	7.5	7.9
San Diego–Beardsley Street			
Ozone			
Days State 1-hour Standard Exceeded (0.09 ppm)	0	0	—
Days State 8-hour Standard Exceeded (0.07 ppm)	0	0	—
Days Federal 8-hour Standard Exceeded (0.07 ppm)	0	0	—
Max. 1-hr (ppm)	0.089	0.072	—
Max 8-hr (ppm)	0.067	0.061	—
Nitrogen Dioxide			
Days State 1-hour Standard Exceeded (0.18 ppm)	0	0	0
Days Federal 1-hour Standard Exceeded (0.100 ppm)	0	0	0
Max 1-hr (ppm)	0.062	0.073	—
Annual Average (ppm)	0.014	—	—
Particulate Matter less than 10 microns in diameter			
Measured Days State 24-hour Standard Exceeded (50 µg/m^3)	1	1	0
Estimated Days State 24-hour Standard Exceeded (50 µg/m^3)	5.7	—	—
Days Federal 24-hour Standard Exceeded (150 µg/m^3)	0	0	0
State Max Daily (µg/m^3)	54.0	51.0	—
State Annual Average (µg/m^3)	23.2	—	—
Federal Max Daily (µg/m^3)	53.0	49.0	—
Federal Annual Average (µg/m^3)	23.0	21.9	—
Particulate Matter less than 2.5 microns in diameter			
Days Federal 24-hour Standard Exceeded (35 µg/m^3)	0	0	0
Max Daily (µg/m^3)	33.4	34.4	—
State Annual Average (µg/m^3)	9.3	—	—
Federal Annual Average (µg/m^3)	10.2	—	—

SOURCE: CARB 2018.
ppm = parts per million; µg/m^3 = micrograms per cubic meter; "—" = information not released by CARB.
* Calculated days value. Calculated days are the estimated number of days that a measurement would have been greater than the level of the standard had measurements been collected every day.

As shown, at the Kearny Villa Road monitoring station, state and federal standards for ozone, NO_2, PM_{10}, and $PM_{2.5}$ were not exceeded during the monitoring period of 2015 through 2017.

At the Beardsley Street monitoring station, measured concentrations of $PM_{2.5}$ exceeded the state 24-hour $PM_{2.5}$ standard of 35 $\mu g/m^3$ on one day during the monitoring period of 2015 through 2017. The state and federal standards for ozone, NO_2, and PM_{10} were not exceeded during the monitoring period.

5.0 Thresholds of Significance

Thresholds used to evaluate potential impacts to air quality are based on applicable criteria in the CEQA Guidelines Appendix G and the City Significance Determination Thresholds. The CPU would have a significant air quality impact if it would (City of San Diego 2016):

1. Conflict with or obstruct implementation of the applicable air quality plan.
2. Result in a violation of any air quality standard or contribute substantially to an existing or projected air quality violation.
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Create objectionable odors affecting a substantial number of people.
5. Result in exceeding 100 pounds per day of Particulate Matter (dust).
6. Result in substantial alteration of air movement in the area of the project.

In addition to CEQA and City thresholds of significance, the SDAPCD provides thresholds for when air quality studies are required for projects. While the SDAPCD does not provide specific numerics for determining the significance of mobile source-related impacts or for evaluating CEQA projects or projects that do not require an Air Pollution Control District permit to operate (e.g., non-stationary sources), it does specify Air Quality Impact Analysis trigger levels for new or modified stationary sources (SDAPCD Rules 20.2 and 20.3). These trigger levels are not intended to represent adverse air quality impacts, rather, if these trigger levels are exceeded by a project, the SDAPCD requires an air quality analysis to determine if a significant air quality impact would occur. While, these trigger levels do not generally apply to mobile sources or general land development projects, for comparative purposes these levels are used to evaluate the increased emissions that would be discharged to the SDAB if the CPU were approved.

The SDAPCD trigger levels are also utilized by the City in their Significance Determination Thresholds (City of San Diego 2016) as one of the considerations when determining the potential significance of air quality impacts for projects within the city. The air quality impact screening criteria used in this analysis are shown in Table 4.

Table 4 Air Quality Impact Screening Criteria			
	Emission Rate		
Pollutant	Pounds/Hour	Pounds/Day	Tons/Year
NO_X	25	250	40
SO_X	25	250	40
CO	100	550	100
PM_{10}	--	100	15
Lead	--	3.2	0.6
VOC, ROG	--	137	15
$PM_{2.5}$	--	67[a]	40

SOURCE: City of San Diego 2016.

[a] SDAPCD Resolution 16-041 was adopted on April 27, 2016. It amended Rules 20.1, 20.2, and 20.3 to include a trigger level for $PM_{2.5}$. City significance thresholds have not been updated to reflect this amendment.

6.0 Assessment Methodology

6.1 Construction Emissions

Construction-related activities are temporary, short-term sources of air emissions. Sources of construction-related air emissions include:

- Fugitive dust from grading activities;
- Construction equipment exhaust;
- Construction-related trips by workers, delivery trucks, and material-hauling trucks; and
- Construction-related power consumption.

Air pollutants generated by the construction of projects within the CPU area would vary depending upon the number of projects occurring simultaneously and the size of each individual project. The exact number and timing of all development projects that could occur under the CPU are unknown.

To illustrate the potential construction-related air quality impacts from projects that could occur throughout the CPU area, two hypothetical projects were evaluated. The first hypothetical project analyzed is a five-acre mixed-use development consisting of the demolition of a 20,000-square-foot structure and the construction of 300 multi-family residential units and 10,000 square feet of retail uses. This represents a typical project that could be constructed in the CPU area. The second hypothetical project analyzed, which represented a worst-case analysis in terms of construction emissions that could occur within the CPU area, was the redevelopment of the 233-acre stadium site with a large mixed-use project, such as a Specific Plan, consisting of 5,000 multi-family units, one million square feet of retail space, two million square feet of office space, a 50-acre park, and a 40,000-seat stadium. This project would include the demolition of the existing stadium. This project represents a worst-case scenario for construction emissions because

communitywide, there would be no potential construction projects (either individual or combined) that would exceed the level of construction activity associated with redevelopment of the stadium site.

Construction emissions associated with demolition of the existing stadium were obtained from previous studies prepared for the site. All other construction emissions associated with these two hypothetical projects were calculated using California Emissions Estimator Model 2016.3.2 (CalEEMod; CAPCOA 2017). The CalEEMod program is a tool used to estimate air emissions resulting from land development projects based on California-specific emission factors. The model estimates mass emissions from two basic sources: construction sources and operational sources (i.e., area and mobile sources). CalEEMod can estimate the required construction equipment when project-specific information is unavailable. The estimates are based on surveys performed by the South Coast Air Quality Management District (SCAQMD) and the Sacramento Metropolitan Air Quality Management District (SMAQMD) of typical construction projects, which provide a basis for scaling equipment needs and schedule with a project's size. Air emission estimates in CalEEMod are based on the duration of construction phases; construction equipment type, quantity, and usage; grading area; season; and ambient temperature, among other parameters.

As the proposed CPU does not specifically identify any specific development project, CalEEMod default estimates were used to develop the construction scenarios. Where applicable, inputs were modified to reflect local ordinances and regulations. This analysis assumes that standard dust and emission control during grading operations would be implemented to reduce potential nuisance impacts and to ensure compliance with SDAPCD Rule 55.0, Fugitive Dust Control. A volatile organic compound content of 150 grams per liter for exterior architectural coatings and 100 grams per liter for interior architectural coatings was assumed in accordance with SDAPCD Rule 67.0.1. Detailed CalEEMod modeling output files for construction activities are included in Attachment 1.

6.2 Operational Emissions

Operation emissions are long-term and include mobile and area sources. Sources of operational emissions associated with future projects developed under the proposed CPU include:

- traffic generated by the project; and,
- area source emissions from the use of natural gas, fireplaces, and consumer products.

Air pollutants generated by all land uses within the CPU area will be modeled based on average emissions from land use types. For the purposes of this analysis, it is assumed that the land use changes contained in the CPU would be fully constructed in 2050. Actual emissions would vary depending on future projects and regulations within the CPU.

The operational emissions associated with build-out of the CPU and the adopted Community Plan were quantified using CalEEMod. Regional mobile-source emissions were

estimated based on CARB's Emission Factor model (EMFAC2014; CARB 2014) and the vehicle miles travelled (VMT) for the area estimated in the Transportation Impact Analysis prepared for the CPU (Chen Ryan 2018). Based on the Transportation Impact Analysis, 1,646,678 VMT are generated in the base year, build-out of the adopted Community Plan would generate 2,299,348 VMT, and build-out of the CPU would generate 2,357,299 VMT.

An area source associated with development includes natural gas used in space and water heating. Energy consumption values are based on the California Energy Commission-sponsored California Commercial End Use Survey and Residential Appliance Saturation Survey studies, which identify energy use by building type and climate zone. Because these studies are based on older buildings, adjustments have been made in CalEEMod to account for changes to Title 24 Building Codes. CalEEMod 2016.3.2 is based on the current 2016 Title 24 energy code (Part 6 of the Building Code). CalEEMod also provides energy consumption rates based on historic data. Energy efficiency is increased with each revision to the Title 24 energy code; thus, depending on when building permits are obtained, new buildings would meet 2016 Title 24 energy code requirements at a minimum. Energy rates in CalEEMod were adjusted to account for a mix of existing development using historic energy values and new development using 2016 Title 24 energy values.

Besides natural gas, other area sources of emissions associated with development include consumer products, architectural coatings, landscape equipment, and fireplaces. Criteria air pollutant emissions from this sector are from the use of hearths, consumer products, architectural coating, and landscaping equipment. Area source emission assumptions considered that new residential uses would be constructed with natural gas rather than wood-burning fireplaces, and architectural coatings would comply with the volatile organic compound content limits specified by SDAPCD Rule 67.0.1. All other CalEEMod defaults associated with consumer products and landscaping equipment were used. Detailed CalEEMod modeling output files for operational sources are included in Attachment 1.

6.3 Sensitive Receptors

Localized CO concentration is a direct function of motor vehicle activity at signalized intersections (e.g., idling time and traffic flow conditions), particularly during peak commute hours and meteorological conditions. Under specific meteorological conditions (e.g., stable conditions that result in poor dispersion), CO concentrations may reach unhealthy levels with respect to local sensitive land uses. Guidance for the evaluation of CO hot spots is provided in the *Transportation Project-level Carbon Monoxide Protocol* (CO protocol; University of California Davis 1997) prepared for the Environmental Program of the California Department of Transportation by the Institute of Transportation Studies, University of California Davis. As indicated by the CO Protocol, CO hot spots occur nearly exclusively at signalized intersections operating at level of service (LOS) E or F.

The SDAB is a CO maintenance area under the federal CAA. This means that SDAB was previously a non-attainment area and is currently implementing a 10-year plan for continuing to meet and maintain air quality standards. Due to increased requirements for cleaner vehicles, equipment, and fuels, CO levels in the state have dropped substantially.

All air basins are attainment or maintenance areas for CO. Therefore, more recent screening procedures based on more current methodologies have been developed. The SMAQMD developed a screening threshold in 2011, which states that any project involving an intersection experiencing 31,600 vehicles per hour or more will require detailed analysis. In addition, the Bay Area Air Quality Management District developed in 2010 a screening threshold, which states that any project involving an intersection experiencing 44,000 vehicles per hour would require detailed analysis. This analysis conservatively assesses potential CO hot spots using the lower SMAQMD screening threshold of 31,600 vehicles per hour. Additionally, Sacramento and San Diego have the same federal and state CO attainment designations and, therefore, experience similar CO concentrations; thus, these screening volumes are appropriate for evaluating CO impacts in the SDAB. This screening volume has also been utilized by the South Coast Air Quality Management District, which also has the same CO designation.

7.0 Air Quality Assessment

7.1 Consistency with Regional Air Quality Plans

As described in Section 3.0, the CCAA requires air basins that are designated nonattainment of state AAQS for criteria pollutants prepare and implement plans to attain the standards by the earliest practicable date. The two pollutants addressed in the San Diego RAQS are ROG and oxides of nitrogen (NO_X), which are precursors to the formation of ozone. Projected increases in motor vehicle usage, population, and industrial growth create challenges in controlling emissions to maintain and further improve air quality. The RAQS, in conjunction with the Transportation Control Measures, were most recently adopted in 2016 as the air quality plan for the SDAB.

The basis for the RAQS is the distribution of population in the region as projected by SANDAG. The SDAPCD refers to approved general plans to forecast, inventory, and allocate regional emissions from land use and development-related sources. These emissions budgets are used in statewide air quality attainment planning efforts. As such, projects that propose development at an intensity equal to or less than population growth projections and land use intensity are inherently consistent. Amending the adopted land uses to change development potential would not necessarily result in an inconsistency between the current air quality plans (that are based on the adopted Community Plan) and the proposed CPU. The focus of the RAQS is on emissions from the sources, not the actual land use, projects that propose development that is greater than anticipated in the growth projections warrant further analysis to determine consistency with RAQS and the SIP. Consistency with the RAQS is further evaluated by comparing emissions that would occur under build-out of the adopted Community Plan to the emissions that would occur under build-out of the proposed CPU.

The CPU would increase the number of multi-family residential units and the amount of commercial/retail, office, institutional/community facilities, and recreational uses in the

CPU area, while decreasing the amount of hotel/motel, industrial, medical office/clinic, and university uses. Overall, the CPU would increase the residential, commercial, retail development potential within the CPU area. This supports the General Plan City of Villages strategy to focus growth into mixed-use activity centers that are pedestrian-friendly, centers of community, and linked to the regional transit system. Implementation of this strategy can decrease vehicle miles traveled and reduce mobile emissions. The CPU policies, implementing actions, and design guidelines support General Plan concepts such as increased walkability, enhanced pedestrian and bicycle networks, improved connections to transit, and sustainable development and green building practices. The CPU would be consistent with the SDAPCD's regional goals of providing infill housing, improving the balance between jobs and housing, and integrating land uses near major transportation corridors.

However, because the CPU would result in greater density, future emissions associated with build-out of the CPU would be greater than future emissions associated with build-out of the adopted land uses. Additionally, the future VMT associated with build-out of the CPU would be greater than the VMT associated with build-out of the adopted Community Plan, thereby resulting in greater mobile source emissions. Therefore, emissions of ozone precursors (ROG and NO_X) would be greater than what is accounted for in the RAQS. Thus, the CPU would conflict with implementation of the RAQS and would have a potentially significant impact on regional air quality.

7.2 Air Quality Standards

Air quality impacts can result from the construction and operation of a project. Construction impacts are short-term and result from fugitive dust, equipment exhaust, and indirect effects associated with construction workers and deliveries. Operational impacts can occur on two levels: regional impacts resulting from development or local effects stemming from sensitive receivers being placed close to roadways or stationary sources. In the case of the CPU, operational impacts are primarily due to emissions from mobile sources associated with the vehicular travel along the roadways.

7.2.1 Construction

Construction-related activities are temporary, short-term sources of air emissions. Sources of construction-related air emissions include:

- Fugitive dust from grading activities;
- Construction equipment exhaust;
- Construction-related trips by workers, delivery trucks, and material-hauling trucks; and
- Construction-related power consumption.

Approval of the proposed CPU would not specifically permit the construction of an individual project, and no specific development details are available at this program level of analysis. However, in order to assess the potential for future development within the CPU

area to result in a significant air quality impact during construction, two hypothetical projects were evaluated that represent a typical construction emissions scenario and a worst-case construction emissions scenario that could occur within the CPU area. The information is presented to illustrate the potential scope of air impacts for projects that could be reviewed under the proposed CPU. It should be noted that air quality emissions associated with construction activities are evaluated differently from greenhouse gas (GHG) emissions (Section 4.4: Greenhouse Gas Emissions and Energy), because GHG emissions impacts are cumulative in nature. There are no localized impacts associated with GHG emissions as impacts are a phenomenon affecting the global climate. Air quality emissions, on the other hand, can create localized air quality impacts that warrant project-level evaluation based on potential construction scenarios that could occur within the CPU area.

The City's process for the evaluation of discretionary projects includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies, and recommendations of the General Plan. Implementation of the policies in the General Plan would reduce construction-related air quality impacts. Additionally, the regulations at the federal, state, and local level provide a framework for developing project-level air quality protection measures for future discretionary projects.

As discussed in Section 6.1, to illustrate the range of potential construction-related air quality impacts from projects that could occur under the CPU, two hypothetical projects were evaluated. The first hypothetical project analyzed is a five-acre mixed-use development consisting of the demolition of a 20,000-square-foot structure and the construction of 300 multi-family residential units and 10,000 square feet of retail uses. The results are summarized in Table 5. CalEEMod output is contained in Attachment 1.

Table 5
Construction Emissions – 5-acre Mixed-use Project

Construction Phase	Pollutant (pounds per day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Demolition	4	40	23	0	3	2
Site Preparation	5	48	23	0	21	12
Grading	3	31	17	0	8	5
Building Construction	4	29	26	0	4	2
Paving	2	15	15	0	1	1
Architectural Coating	38	2	3	0	0	0
Maximum Daily Emissions	**38**	**48**	**26**	**0**	**21**	**12**
Significance Threshold	*137*	*250*	*550*	*250*	*100*	*67*

Note that the emissions summarized in Table 5 are the maximum emissions for each pollutant and that they may occur during different phases of construction. They would not necessarily occur simultaneously. For assessing the significance of the air quality emissions resulting during construction of the hypothetical 5-acre mixed-use project, the construction emissions were compared to the thresholds shown in Table 5. As shown, the 5-acre mixed-use project would not result in air emissions that would exceed the applicable

thresholds. However, if several of these projects were to occur simultaneously, implementation of the proposed CPU could exceed the significance thresholds.

The second hypothetical project analyzed was the demolition of the existing stadium and the redevelopment of the stadium site with 5,000 multi-family units, one million square feet of retail space, two million square feet of office space, a 50-acre park, and a 40,000-seat stadium. A project of this size would likely be constructed in multiple phases.

Emissions due to demolition of the existing stadium were obtained from the Air Quality Technical Study prepared for the Stadium Reconstruction Project (AECOM 2015). The results are summarized in Table 6.

Table 6
Stadium Demolition Emissions

Demolition Phase	Pollutant (pounds per day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Unmitigated Demolition Emissions						
Abatement	4	32	30	0	2	1
Salvage	8	81	57	0	3	3
Preparation and Implosion	53	624	387	1	128	36
Remove and Sort Debris	45	528	281	1	20	18
Unmitigated Maximum Daily Emissions	**53**	**624**	**387**	**1**	**128**	**36**
Mitigated Demolition Emissions						
Abatement	1	10	24	0	0	0
Salvage	2	25	79	0	1	0
Preparation and Implosion	18	184	468	1	50	11
Remove and Sort Debris	10	88	362	1	2	2
Mitigated Maximum Daily Emissions	**18**	**184**	**362**	**1**	**2**	**2**
Significance Threshold	*137*	*250*	*550*	*250*	*100*	*67*

SOURCE: AECOM 2015

As shown, emissions due to stadium demolition activities would exceed the project-level significance thresholds for NO_X and PM_{10}. Emissions could be reduced to less than significant with implementation of standard air quality construction best management practices. Such measures were included in the Air Quality Technical Study prepared for the Stadium Reconstruction Project (AECOM 2015).

For a project that includes demolition of the existing stadium, implementation of mitigation measure AQ-1 would ensure the reduction of demolition emissions to a level less than significant, as was demonstrated in the Air Quality Technical Study prepared for the Stadium Reconstruction Project.

Once demolition is complete, construction emissions were modeled as occurring over five two-year phases, for a total construction period of 10 years. The maximum daily emissions that would occur during each year are summarized in Table 7. CalEEMod output is contained in Attachment 1.

Table 7 Construction Emissions–Stadium Site Mixed-Use Project						
Year	Pollutant (pounds per day)					
	ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
2020	82	234	277	1	69	24
2021	78	212	260	1	68	21
2022	76	197	245	1	68	26
2023	73	163	230	1	67	20
2024	72	158	219	1	67	25
2025	71	153	209	1	67	19
2026	70	150	201	1	67	25
2027	69	148	194	1	67	19
2028	68	146	188	1	67	25
2029	67	145	182	1	67	19
Maximum Daily Emissions	**82**	**234**	**277**	**1**	**69**	**26**
Significance Threshold	*137*	*250*	*550*	*250*	*100*	*67*

As shown, with the exception of stadium demolition activities, construction of a stadium redevelopment project would not result in air emissions that would exceed the applicable thresholds. Because these worst-case construction emissions associated with the largest redevelopment project that could occur communitywide would be less than the project-level significance thresholds, there would be no potential construction projects that individually would exceed the project-level significance thresholds. However, if this project were to occur simultaneously with other construction projects in the CPU area, there is the potential to exceed significance thresholds.

The exact number and timing of individual development projects that could occur as a result of implementation of the proposed CPU are unknown at this time. Subsequent discretionary development projects would need to analyze specific construction-related criteria air pollutant impacts to ensure that emissions remain below the SDAPCD thresholds. However, under the proposed CPU, ministerial projects that would not be subject to CEQA would also occur. Ministerial projects are generally smaller in size than those requiring discretionary review and construction would be less intensive than the scenarios evaluated in this analysis. Nevertheless, due to the potential for significant growth in the CPU area, future development could exceed the SDAPCD screening thresholds; therefore, this impact is considered significant and unavoidable.

7.2.2 Operation

Operation emissions are long-term and include mobile and area sources. Sources of operational emissions associated with future projects developed under the proposed CPU include:

- Traffic generated by the project; and
- Area source emissions from the use of natural gas, fireplaces, and consumer products.

Air pollutants generated by all land uses within the CPU area were modeled based on average emissions from land use types. For the purposes of this analysis, it was assumed that the land use changes contained in the proposed CPU would be fully constructed in 2050. Actual emissions would vary depending on future projects and regulations within the CPU area.

Program-level air emissions would exceed the City's project-level thresholds; however, project-level standards are not appropriate for a program-level analysis, as the thresholds are conservative and intended to ensure that multiple simultaneous individual projects would not obstruct the timely attainment of the NAAQS and CAAQS. Generally, discretionary, program-level planning activities, such as general plans, community plans, specific plans, etc., are evaluated for consistency with the local air quality plan. In contrast, project-level thresholds are applied to individual project-specific approvals, such as a proposed development project. Therefore, the analysis of the proposed CPU is based on the future emissions estimates and determining whether the increased emissions are significant based on their relationship to attainment strategies derived from the adopted Community Plan.

At the program level, the analysis considers emissions from build-out of the proposed CPU in relation to the adopted Community Plan to determine if the emissions would exceed the emissions estimates included in the RAQS. If such an exceedance occurs, then the proposed CPU would obstruct attainment or result in an exceedance of the AAQS and could cause the temporary or permanent exposure of persons to unhealthy concentrations of pollutants. As such, the analysis evaluates the potential for future development within the CPU area to result in, or contribute to, a violation of any air quality standard, based on a comparison of the total change in pollutant emissions projected to result from build-out of the adopted Community Plan in the year 2050 to build-out of the proposed CPU in the year 2050, and determines whether the total change in emissions is significant.

Table 8 summarizes the estimated total maximum operational emissions for the proposed CPU by source. As shown, operational emissions associated with the proposed CPU would be greater for all pollutants when compared to the adopted Community Plan. CalEEMod and EMFAC output is contained in Attachment 1.

Table 8
Total Maximum Operational Emissions for the Community Plan Update Area

Condition	Source	Pollutant (pounds per day)					
		ROG	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Adopted Community Plan	Area	1,304	368	2,056	2	39	39
	Energy	25	223	172	1	17	17
	Mobile	444	601	3,282	14	261	107
	Total	1,773	1,193	5,510	18	317	163
Community Plan Update	Area	1,948	622	3,468	4	65	65
	Energy	39	353	268	2	27	27
	Mobile	494	627	3,477	14	268	110
	Total	2,481	1,601	7,213	20	360	202
	Change	*708*	*409*	*1,703*	*3*	*43*	*39*

The regulations at the federal, state, and local levels provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies, and recommendations of the General Plan. However, it is possible that for certain projects, adherence to the regulations may not adequately protect air quality, and such projects would require additional measures to avoid or reduce significant air quality impacts. Ministerial projects would not be subject to further CEQA review. Because operational emissions associated with build-out of the proposed CPU would be greater for all pollutants when compared to adopted land uses and the assumptions used to develop the RAQS, and because there could be certain projects that would not be able to reduce emissions below the thresholds, this impact would be significant and unavoidable.

7.3 Sensitive Receptors

7.3.1 CO Hot Spots

As discussed in Section 6.3, CO hot spots occur nearly exclusively at signalized intersections operating at LOS E or F. Further, based on more current methodologies developed by the SMAQMD, this analysis conservatively assesses potential CO hot spots using the SMAQMD screening threshold of 31,600 vehicles per hour.

Based on the Transportation Impact Analysis prepared for the CPU, the following signalized intersections were found to operate at LOS E or F during the AM or PM peak hour with build-out of the CPU.

- I-5 Northbound Ramps/Sea World Drive/Tecolote Road–AM (LOS E)
- I-805 Southbound Ramps/Phyllis Place–PM (LOS E)
- I-805 Northbound Ramps/Phyllis Place–PM (LOS F)
- I-8 Westbound Ramps/Mission Valley Mall Driveway/Camino Del Rio North–PM (LOS E)

- Fashion Valley/Friars Road–PM (LOS E)
- Northside Drive/Friars Road–PM (LOS E)
- Mission Village Drive/Friars Road Westbound Ramps–PM (LOS F)
- Mission Village Drive/Friars Road Eastbound Ramps–AM (LOS E); PM (LOS F)
- I-15 Northbound Ramps/Friars Road–PM (LOS F)
- Mission Center Road/Camino De La Reina–PM (LOS E)
- Fairmount Avenue/Camino Del Rio North/I-8 Westbound Off-ramp–PM (LOS F)
- Qualcomm Way/Camino Del Rio North/I-8 Westbound Ramps–AM (LOS E); PM (LOS F)
- Mission Center Road/I-8 Eastbound Ramps–PM (LOS E)
- Mission Center Road/Camino Del Rio South–PM (LOS E)
- Texas Street/Camino Del Rio South–AM (LOS E)
- Texas Street/Madison Avenue–AM (LOS F)
- Fashion Valley Road/Riverwalk Drive–PM (LOS F)

Peak hour turning volumes for these intersections were obtained from the Transportation Impact Analysis and compared to the SMAQMD screening threshold of 31,600 vehicles per hour. The intersection with the greatest peak hour volume would be the I-15 northbound ramps at Friars Road with a PM peak hour volume of 7,580 vehicles. Peak hour traffic volume at all intersections would be less than 31,600 vehicles per hour. Therefore, the CPU is not anticipated to result in a CO hot spot, and impacts would be less than significant.

7.3.2 Toxic Air Emissions

Construction

Construction of future projects and associated infrastructure implemented under the Mission Valley CPU would result in short-term diesel exhaust emissions from on-site heavy-duty equipment. Construction would result in the generation of diesel-exhaust DPM emissions from the use of off-road diesel equipment required for site grading and excavation, paving, and other construction activities and on-road diesel equipment used to bring materials to and from project sites.

Generation of DPM from construction projects typically occurs in a single area for a short period. According to the Office of Environmental Health Hazard Assessment, health risk assessments, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period; however, such assessments should be limited to the period/duration of activities associated with the project (Office of Environmental Health Hazard Assessment (2015). Thus, if the duration of proposed construction activities near any specific sensitive receptor were a year, the exposure would be three percent of the total exposure period used for health risk calculation.

Considering this information, the highly dispersive nature of DPM, and the fact that construction activities would occur intermittently and at various locations over the lifetime of the CPU, DPM generated by construction is not expected to create conditions where the probability is greater than 10 in 1 million of developing cancer for the Maximally Exposed Individual or to generate ground-level concentrations of non-carcinogenic toxic air

contaminants that exceed a Hazard Index greater than 1 for the Maximally Exposed Individual. Additionally, with ongoing implementation of U.S. EPA and CARB requirements for cleaner fuels; off-road diesel engine retrofits; and new, low-emission diesel engine types; the DPM emissions of individual equipment would be substantially reduced over the years as build-out continues. Therefore, impacts related to exposure of sensitive receptors to toxic air emissions would be less than significant.

Stationary Sources

The Mission Valley CPU includes land uses that may generate air pollutants affecting adjacent sensitive land uses. In air quality terms, individual land uses that emit air pollutants in sufficient quantities are known as stationary sources. The primary concern with stationary sources is local; however, they also contribute to air pollution in the SDAB. Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources are regulated by the local air pollution control or management district through the issuance of permits; in this case, the agency is the SDAPCD.

The California Air Toxics Program establishes the process for the identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. In accordance with AB 2588, if adverse health impacts exceeding public notification levels were identified, the facility would provide public notice. If the facility poses a potentially significant public health risk, the facility must submit a risk reduction audit and plan to demonstrate how the facility would reduce health risks. Thus, with this regulatory framework, at the program level, impacts associated with stationary sources in the CPU area would be less than significant.

Mobile Sources

In April 2005, CARB published the Air Quality and Land Use Handbook: A Community Health Perspective (CARB 2005). The handbook makes recommendations directed at protecting sensitive land uses from air pollutant emissions while balancing a myriad of other land use issues (e.g., housing, transportation needs, economics, etc.). It notes that the handbook is not regulatory or binding on local agencies and recognizes that application takes a qualitative approach. As reflected in the CARB Handbook, there is currently no adopted standard for the significance of health effects from mobile sources. Therefore, the CARB has provided guidelines for the siting of land uses near heavily traveled roadways. Of pertinence to this study, the CARB guidelines indicate that siting new sensitive land uses within 500 feet of a freeway or urban roads with 100,000 or more vehicles/day should be avoided when possible.

I-8 travels east-west through the center of the CPU area, and I-15, I-805, SR-163, and I-5 travel north-south through and adjacent to the CPU area. Residential uses are currently located within 500 feet of these freeways, and future sensitive land uses could be also be located adjacent to these freeways. However, CARB recommendations are advisory and should not be interpreted as defined "buffer zones." Local agencies must balance other considerations such as transportation needs, the benefits of urban infill, community

economic development priorities, and other quality-of-life issues. With careful evaluation of exposure, health risks, and affirmative steps to reduce risk, where necessary, CARB's position is that infill development, mixed use, higher density, transit-oriented development, and other concepts that benefit regional air quality can be compatible with protecting the health of individuals at the neighborhood level. Additionally, measures can be incorporated into future project design that would reduce the level of exposure for future residents. The California Air Pollution Control Officers Association (CAPCOA) published a guidance document, *Health Risk Assessments for Proposed Land Use Projects*, which provides recommended measures that reduce concentrations of DPM (CAPCOA 2009). These include planting vegetation between the receptor and the freeway, constructing barriers between the receptor and the freeway, and installing newer electrostatic filters in adjacent receptor buildings. When discussing freeway adjacent areas in the Implementation section, the proposed CPU states that "air quality…should be considered in all site planning and building design on all sites adjacent to and within 500 feet of a freeway. Residential uses in particular should be buffered from impacts of the freeway by taller buildings placed between the residential uses and the freeway, as well as landscaping." The proposed CPU also contains policies for development adjacent to freeways, including policies to provide land use buffers such as off-street parking and landscaping between buildings and freeways, orienting buildings adjacent to freeways such that courtyards and residential units with operable windows and balconies face away from the freeway, and locating residential units above freeway elevations.

Consistent with the goals of CARB's handbook, the CPU's policies, implementing actions, and design guidelines support infill, mixed-use, higher density, and transit-oriented development that would benefit regional air quality. By promoting this type of development and ensuring site planning and building design minimizes exposure of sensitive receptors to mobile source emissions, particularly for land uses located within 500 feet of a freeway, implementation of the CPU would be consistent with the goals of the CARB and would not expose sensitive receptors to substantial pollutant concentrations. Impacts related to exposure of sensitive receptors to mobile source emissions would be less than significant.

7.4 Air Movement

Local topographic variation such as that caused by the height and shape of a row of buildings can influence air movement in a given location (Boston Redevelopment Authority 1986). Alterations in the built environment may increase the dispersion of air pollutants or cause stagnation that may result in a harmful concentration of air pollutants. Urban canyons are places where the street is flanked by buildings on both sides creating a canyon-like environment. Where urban canyons are oriented perpendicular to the prevailing wind patterns, the likelihood of restricted air movement and associated pollutant accumulation may increase.

The Mission Valley CPU area is heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the CPU would result in a

similar development pattern and would not substantially change air movement within the CPU area. Impacts would be less than significant.

7.5 Odor

A potential odor impact can occur from two different situations: (1) the proposed plan would introduce receptors in a location where they would be affected by an existing or future planned odor source, or (2) proposed uses within the plan would generate odors that could adversely affect a substantial number of persons.

While offensive odors rarely cause physical harm, they can be unpleasant, leading to considerable annoyance and distress among the public and can generate citizen complaints to local governments and air districts. Although the type of receptors (e.g., residential, schools, daycares, and hospitals) in question are used to ultimately determine if a project has significant odor impacts, a number of operational and environmental factors also influence the extent to which those receptors are affected by odors.

The nature of operational activities and the types of odiferous compounds they produce (e.g., odor emissions from a wastewater treatment process, rendering plant, or coffee roaster) can affect the number of complaints differently depending on the type of odor produced. For example, odiferous compounds generated by a wastewater treatment plant or landfill are more likely to be perceived more offensive to receptors than those generated by a coffee roaster or a bakery.

Meteorological conditions also affect the dispersion of odor emissions, which determines the exposure concentration of odors at receptors. Receptors located upwind from a substantial odor source may not be affected due the odors being dispersed away from the receptors.

In the context of land use planning, one of the most important factors influencing the potential for an odor impact to occur is the distance between the odor source and receptors. The City considers prudent land-use planning as the key mechanism to avoid odor impacts. The greater the distance between an odor source and receptor, the less concentrated the odor emission would be when it reaches the receptor. Odors can be generated from a variety of source types including both construction and operational activities. Although less common, construction activities that include the operation of a substantial number of diesel-fueled construction equipment and heavy-duty trucks can generate odors from diesel exhaust emissions. A project's operations, depending on the project type, can generate a large range of odors that can be considered offensive to receptors. Examples of common land use types that typically generate significant odor impacts include, but are not limited to:

- Wastewater treatment plants,
- Sanitary landfills,
- Composting/green waste facilities
- Recycling facilities,
- Petroleum refineries,
- Chemical manufacturing plants,

- Painting/Coating operations,
- Rendering plants, and
- Food packaging plants.

Typically, it is necessary to consider more than one parameter when making a significance determination. For instance, if a project would result in a receptor and odor source being located in close proximity but the receptor would be upwind from the source, the likelihood of the receptor being exposed to objectionable odors would be lower than if it was downwind from the odor source. Also, an odor complaint history may support the determination that receptors would be exposed to objectionable odors from a specific source even if the receptor appears to have sufficient distance from the odor source. This might be the case because the source generates more intense levels of odor emissions than similar sources, or because of meteorological conditions unique to the area or season.

The Mission Valley CPU proposes multi-family residential, commercial/retail, office, institutional, hotel, industrial, school, and park and open space land uses. The CPU would not introduce land uses such as those listed above that would generate substantial odor. While specific developments within the Mission Valley CPU area are not known at this program level of analysis, planned land uses would not encourage or support uses that would be associated with significant odor generation. The proposed Mission Valley CPU applies land uses based on the developed nature of the Mission Valley CPU area that includes residential uses in close proximity to commercial areas. A typical use in the CPU area that would generate odors would be restaurants. Restaurants can create odors from cooking activities, but would not generally be considered adverse. Odors associated with restaurants or other commercial uses would be similar to existing residential and food service uses throughout the CPU area. Odor generation is generally confined to the immediate vicinity of the source. Thus, implementation of the proposed Mission Valley CPU and associated discretionary actions would not create operational-related objectionable odors affecting a substantial number of people within the City.

The area south of I-8 contains a number of automobile land uses such as car dealerships that include auto body shops. While auto body shops would be permitted, they would be required to comply with SDAPCD Rule 51 (Public Nuisance), which prohibits the discharge of air contaminants or other materials that would be a nuisance or annoyance to the public. In addition, potential odors would also be controlled and minimized through compliance with the City's "Air Contaminant Regulations" under Chapter 14, Article 2, Division 7, paragraph 142.0710 of the Municipal Code. Odors generated by new nonresidential land uses are not expected to be significant or highly objectionable. New and existing facilities are required to be in compliance with SDAPCD Rule 51 to prevent nuisance on sensitive land uses. Therefore, impacts related to objectionable odors would be less than significant.

8.0 Conclusions

8.1 Consistency with Regional Air Quality Plans

The CPU supports the General Plan City of Villages strategy to focus growth into mixed-use activity centers that are pedestrian-friendly, centers of community, and linked to the regional transit system. Implementation of this strategy can decrease vehicle miles traveled and reduce mobile emissions. The CPU policies, implementing actions, and design guidelines support General Plan concepts such as increased walkability, enhanced pedestrian and bicycle networks, improved connections to transit, and sustainable development and green building practices. The CPU would be consistent with the SDAPCD's regional goals of providing infill housing, improving the balance between jobs and housing, and integrating land uses near major transportation corridors.

However, because the CPU would result in greater density, future emissions associated with build-out of the CPU would be greater than future emissions associated with build-out of the adopted land uses. Therefore, emissions of ozone precursors (ROG and NO_X) would be greater than what is accounted for in the RAQS. Thus, the CPU would conflict with implementation of the RAQS and would have a potentially significant impact on regional air quality.

The following mitigation measure would be implemented to address the potential impacts:

AQ-1 Within six months of the certification of the Final Program Environmental Impact Report, the City shall provide a revised land use map for the CPU area to SANDAG to ensure that any revisions to the population and employment projections used by SDAPCD in updating the RAQS and the SIP will accurately reflect anticipated growth due to the proposed CPU.

This measure would provide SANDAG with an updated land use map to assist SANDAG in revising the housing forecasts; however, until the anticipated growth is included in the emission estimates of the RAQS and the SIP, direct and cumulative impacts relative to conformance with the RAQS would remain significant and unavoidable. It should be noted that the SDAPCD may revise an emission reduction strategy if the district demonstrates to CARB, and CARB finds, that the modified strategy is at least as effective in improving air quality as the strategy being replaced. The latest RAQS was updated in 2016 and only accounts for the transportation and land use plans that were in place at the time of its adoption. Thus, even with implementation of mitigation measure AQ-1, impacts related to conflicts with the applicable air quality plan would remain significant and unavoidable.

8.2 Air Quality Standards

8.2.1 Construction

It is possible that for certain discretionary projects, adherence to the regulations may not adequately protect air quality, and such projects would require additional measures to avoid or reduce significant air quality impacts. Ministerial projects would not be subject to further CEQA review. Because operational emissions associated with build-out of the proposed CPU would be greater for all pollutants when compared to adopted land uses and the assumptions used to develop the RAQS, and because there could be certain projects that would not be able to reduce emissions below the thresholds, this impact would be significant and unavoidable.

With regard to stadium demolition activities, the following measures to reduce construction emissions shall be included in the specific plan for the stadium site and shall include, but not be limited to, the following:

MM-AQ-2 Stadium Site Construction and Demolition. The following measures to reduce construction emissions shall be included in the specific plan for the stadium site and shall include, but not be limited to, the following:

- Equipment shall meet USEPA Tier 4 emission standards.
- The construction contractor shall maintain and properly tune all construction equipment in accordance with manufacturer's specifications.
- The construction contractors shall minimize idling times either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Clear signage shall be provided for construction workers at all access points.
- A blasting execution plan shall be developed and approved prior to any implosion event. This blasting execution plan shall evaluate the feasibility of staged implosion to minimize dust generation and exposure.
- A public notification program shall be instituted prior to the implosion event, which includes recommendations to minimize exposure to airborne dust.
- The implosion shall be scheduled during periods of low/no wind speeds.
- A dust control plan shall be developed to identify measures and equipment necessary to minimize dust from windblown storage piles, off-site tracking of dust, debris loading, truck hauling of debris, vehicle speed limits, and to identify other dust suppression measures.

- An ambient air quality monitoring program shall be implemented proximate to the stadium to measure actual particulate matter concentrations.

Implementation of MM-AQ-2 would reduce construction-related air quality impacts for any future stadium project. However, , because operational emissions associated with build-out of the proposed CPU would be greater for all pollutants when compared to adopted land uses and the assumptions used to develop the RAQS, and because there could be certain projects that would not be able to reduce emissions below the thresholds, this impact would be significant and unavoidable.

For a project that includes demolition of the existing stadium, mitigation similar to those measures identified above would be analyzed and implemented to reduce demolition emissions to a level less than significant, as was demonstrated in the Air Quality Technical Study prepared for the Stadium Reconstruction Project

The regulations at the federal, state, and local levels provide a framework for developing project-level air quality protection measures for future discretionary projects. Ministerial projects would not require a formal environmental review. However, ministerial projects are generally smaller than those requiring discretionary review and construction would be less intensive than the scenario evaluated in this analysis. As such, construction related air quality impacts would be less than significant.

Cumulatively, in order for projects being constructed simultaneously to exceed construction emissions thresholds, the projects would have to be larger scale and in close proximity to each other. While unlikely to occur based on the fact that the CPU area is largely built out, future environmental review for these larger projects would allow for a site-specific analysis of construction-level air quality emissions to ensure projects are appropriately phased and timed to avoid such cumulative construction emissions. Thus, with implementation of the existing regulatory framework, cumulative construction emissions would be less than significant.

8.2.2 Operation

Pollutant emissions from build-out of all land uses within the CPU area would far exceed project-level City Significance Determination Thresholds. As shown in this analysis, because the CPU would increase density, operational emissions associated with the proposed CPU would be greater for all pollutants when compared to the adopted Community Plan. However, regulations at the federal, state, and local levels provide a framework for developing project-level air quality protection measures for future discretionary projects. The City's process for the evaluation of discretionary projects also includes environmental review and documentation pursuant to CEQA as well as an analysis of those projects for consistency with the goals, policies, and recommendations of the General Plan. In general, implementation of the policies in the CPU and General Plan would preclude or reduce air quality impacts. However, it is possible that for certain

projects, adherence to the regulations may not adequately protect air quality, and such projects would require additional measures to avoid or reduce significant air quality impacts. Because the CPU would conflict with implementation of the RAQS, air emissions associated with the adoption of the CPU would have a potentially significant impact on regional air quality.

While identified regulations would reduce emissions and may preclude many potential impacts, as no project-specific data is available at this time and air emissions associated with future developments within the CPU area cannot be adequately quantified, this impact would be significant.

8.3 Sensitive Receptors

8.3.1 CO Hot Spots

Based on the Transportation Impact Analysis prepared for the CPU, several signalized intersections were found to operate at LOS E or F during the AM or PM peak hour with build-out of the CPU (Chen Ryan 2018). However, the intersection with the greatest peak hour volume would be the I-15 northbound ramps at Friars Road with a PM peak hour volume of 7,580 vehicles. Peak hour traffic volume at all intersections would be less than CO hot spot screening volume of 31,600 vehicles per hour. Therefore, the CPU is not anticipated to result in a CO hot spot, and impacts would be less than significant.

8.3.2 Toxic Air Emissions

Construction

Construction of future projects and associated infrastructure implemented under the Mission Valley CPU would result in short-term diesel exhaust emissions from on-site heavy-duty equipment. Due to the highly dispersive nature of DPM, and the fact that construction activities would occur intermittently and at various locations over the lifetime of the CPU, DPM generated by construction is not expected to expose sensitive receptors to significant toxic air emissions. Additionally, with ongoing implementation of U.S. Environmental Protection Agency and CARB requirements for cleaner fuels; off-road diesel engine retrofits; and new, low-emission diesel engine types; the DPM emissions of individual equipment would be substantially reduced over the years as build-out continues. Therefore, impacts to sensitive receptors from toxic air emissions would be less than significant.

Stationary Sources

Stationary sources include gasoline stations, power plants, dry cleaners, and other commercial and industrial uses. Stationary sources are regulated by the local air pollution control or management district through the issuance of permits; in this case, the agency is the SDAPCD. The California Air Toxics Program establishes the process for the

identification and control of toxic air contaminants and includes provisions to make the public aware of significant toxic exposures and for reducing risk. With existing regulatory framework, at the program level, impacts associated with stationary sources in the CPU area would be less than significant.

Mobile Sources

I-8 travels east-west through the center of the CPU area, and I-15, I-805, SR-163, and I-5 travel north-south through and adjacent to the CPU area. Residential uses are currently located within 500 feet of these freeways, and future sensitive land uses could also be located adjacent to these freeways. Consistent with the goals of CARB's handbook, the CPU policies, implementing actions, and design guidelines support infill, mixed-use, higher density, and transit-oriented development that would benefit regional air quality. By promoting this type of development and incorporating CAPCOA measures in to site planning and building design on uses located within 500 feet of a freeway, implementation of the CPU is consistent with the goals of CARB and would not expose sensitive receptors to substantial pollutant concentrations This impact would be less than significant.

8.4 Air Movement

The CPU area is heavily developed, and only relatively small areas would experience a change in land uses, most of which would involve the demolition of existing structures and improvements. Future development would be similar in height, bulk, and scale to existing development in the area. Implementation of the CPU would result in a similar development pattern and would not substantially change air movement within the CPU area. Impacts would be less than significant.

8.5 Odor

The CPU proposes multi-family residential, commercial/retail, office, institutional, hotel, industrial, school, and park and open space land uses. The CPU would not introduce land uses that would generate substantial odor. While specific developments within the CPU area are not known at this program level of analysis, planned land uses would not encourage or support uses that would be associated with significant odor generation. Odors associated with restaurants or other commercial uses would be similar to existing residential and food service uses throughout the CPU area. Additionally, auto body shops would be required to comply with SDAPCD Rule 51 (Public Nuisance). Odor generation is generally confined to the immediate vicinity of the source. Thus, implementation of the proposed CPU and associated discretionary actions would not create operational-related objectionable odors affecting a substantial number of people within the City. Therefore, impacts related to objectionable odors would be less than significant.

9.0 References Cited

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ATTACHMENT 1
CalEEMod Output

7899 Mission Valley CPU - Construction - 5-acre mixed use

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	300.00	Dwelling Unit	4.00	300,000.00	858
Strip Mall	10.00	1000sqft	1.00	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2020
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 5-acres
300 multi-family units
10,000 square feet retail

Demolition -

Architectural Coating - SDAPCD Rule 67.0.1

Construction Phase - Architectural coatings simultaneous with last half of building construction

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	18.00	115.00
tblConstructionPhase	PhaseEndDate	12/26/2019	11/6/2019
tblConstructionPhase	PhaseStartDate	12/3/2019	5/30/2019
tblLandUse	LotAcreage	7.89	4.00
tblLandUse	LotAcreage	0.23	1.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	26.0044	0.0547	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	5,454.0049	5,454.0049	1.1981	0.0000	5,473.7943
2019	41.5929	27.9426	27.9017	0.0606	2.3907	1.4639	3.8545	0.6393	1.3842	2.0235	0.0000	6,002.4122	6,002.4122	0.8071	0.0000	6,022.5895
Maximum	**41.5929**	**48.2607**	**27.9017**	**0.0606**	**18.2141**	**2.5780**	**20.7921**	**9.9699**	**2.3717**	**12.3416**	**0.0000**	**6,002.4122**	**6,002.4122**	**1.1981**	**0.0000**	**6,022.5895**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.6493	48.2607	26.0044	0.0547	18.2141	2.5780	20.7921	9.9699	2.3717	12.3416	0.0000	5,454.0049	5,454.0049	1.1981	0.0000	5,473.7943
2019	41.5929	27.9426	27.9017	0.0606	2.3907	1.4639	3.8545	0.6393	1.3842	2.0235	0.0000	6,002.4122	6,002.4122	0.8071	0.0000	6,022.5895
Maximum	**41.5929**	**48.2607**	**27.9017**	**0.0606**	**18.2141**	**2.5780**	**20.7921**	**9.9699**	**2.3717**	**12.3416**	**0.0000**	**6,002.4122**	**6,002.4122**	**1.1981**	**0.0000**	**6,022.5895**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/5/2018	11/30/2018	5	20	
2	Site Preparation	Site Preparation	12/1/2018	12/7/2018	5	5	
3	Grading	Grading	12/8/2018	12/19/2018	5	8	
4	Building Construction	Building Construction	12/20/2018	11/6/2019	5	230	
5	Paving	Paving	11/7/2019	12/2/2019	5	18	
6	Architectural Coating	Architectural Coating	5/30/2019	11/6/2019	5	115	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 607,500; Residential Outdoor: 202,500; Non-Residential Indoor: 15,000; Non-Residential Outdoor: 5,000; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	91.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	219.00	34.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9966	0.0000	0.9966	0.1509	0.0000	0.1509			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048		3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**0.9966**	**1.9386**	**2.9352**	**0.1509**	**1.8048**	**1.9558**		**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0428	1.4627	0.3209	3.6000e-003	0.0795	5.8300e-003	0.0853	0.0218	5.5700e-003	0.0274		391.4086	391.4086	0.0364		392.3186
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	**0.1150**	**1.5144**	**0.8080**	**4.8700e-003**	**0.2027**	**6.7200e-003**	**0.2094**	**0.0545**	**6.3900e-003**	**0.0609**		**517.7577**	**517.7577**	**0.0408**		**518.7772**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9966	0.0000	0.9966	0.1509	0.0000	0.1509			0.0000			0.0000
Off-Road	3.7190	38.3225	22.3040	0.0388		1.9386	1.9386		1.8048	1.8048	0.0000	3,871.7665	3,871.7665	1.0667		3,898.4344
Total	**3.7190**	**38.3225**	**22.3040**	**0.0388**	**0.9966**	**1.9386**	**2.9352**	**0.1509**	**1.8048**	**1.9558**	**0.0000**	**3,871.7665**	**3,871.7665**	**1.0667**		**3,898.4344**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0428	1.4627	0.3209	3.6000e-003	0.0795	5.8300e-003	0.0853	0.0218	5.5700e-003	0.0274		391.4086	391.4086	0.0364		392.3186
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	**0.1150**	**1.5144**	**0.8080**	**4.8700e-003**	**0.2027**	**6.7200e-003**	**0.2094**	**0.0545**	**6.3900e-003**	**0.0609**		**517.7577**	**517.7577**	**0.0408**		**518.7772**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708		3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**		**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	**0.0866**	**0.0620**	**0.5845**	**1.5200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**151.6189**	**151.6189**	**5.2500e-003**		**151.7503**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.5627	48.1988	22.4763	0.0380		2.5769	2.5769		2.3708	2.3708	0.0000	3,831.6239	3,831.6239	1.1928		3,861.4448
Total	**4.5627**	**48.1988**	**22.4763**	**0.0380**	**18.0663**	**2.5769**	**20.6432**	**9.9307**	**2.3708**	**12.3014**	**0.0000**	**3,831.6239**	**3,831.6239**	**1.1928**		**3,861.4448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0866	0.0620	0.5845	1.5200e-003	0.1479	1.0600e-003	0.1489	0.0392	9.8000e-004	0.0402		151.6189	151.6189	5.2500e-003		151.7503
Total	**0.0866**	**0.0620**	**0.5845**	**1.5200e-003**	**0.1479**	**1.0600e-003**	**0.1489**	**0.0392**	**9.8000e-004**	**0.0402**		**151.6189**	**151.6189**	**5.2500e-003**		**151.7503**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272		2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**		**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	**0.0721**	**0.0516**	**0.4871**	**1.2700e-003**	**0.1232**	**8.9000e-004**	**0.1241**	**0.0327**	**8.2000e-004**	**0.0335**		**126.3491**	**126.3491**	**4.3800e-003**		**126.4586**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7733	30.6725	16.5770	0.0297		1.5513	1.5513		1.4272	1.4272	0.0000	2,988.0216	2,988.0216	0.9302		3,011.2769
Total	**2.7733**	**30.6725**	**16.5770**	**0.0297**	**6.5523**	**1.5513**	**8.1037**	**3.3675**	**1.4272**	**4.7947**	**0.0000**	**2,988.0216**	**2,988.0216**	**0.9302**		**3,011.2769**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0516	0.4871	1.2700e-003	0.1232	8.9000e-004	0.1241	0.0327	8.2000e-004	0.0335		126.3491	126.3491	4.3800e-003		126.4586
Total	**0.0721**	**0.0516**	**0.4871**	**1.2700e-003**	**0.1232**	**8.9000e-004**	**0.1241**	**0.0327**	**8.2000e-004**	**0.0335**		**126.3491**	**126.3491**	**4.3800e-003**		**126.4586**

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099		2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**		**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1828	4.4873	1.3124	9.2400e-003	0.2302	0.0356	0.2658	0.0663	0.0341	0.1003		988.3730	988.3730	0.0855		990.5111
Worker	1.0530	0.7540	7.1115	0.0185	1.7990	0.0130	1.8120	0.4772	0.0119	0.4891		1,844.6967	1,844.6967	0.0639		1,846.2949
Total	**1.2358**	**5.2412**	**8.4239**	**0.0278**	**2.0292**	**0.0486**	**2.0778**	**0.5435**	**0.0460**	**0.5895**		**2,833.0697**	**2,833.0697**	**0.1495**		**2,836.8061**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6795	23.3900	17.5804	0.0269		1.4999	1.4999		1.4099	1.4099	0.0000	2,620.9351	2,620.9351	0.6421		2,636.9883
Total	**2.6795**	**23.3900**	**17.5804**	**0.0269**		**1.4999**	**1.4999**		**1.4099**	**1.4099**	**0.0000**	**2,620.9351**	**2,620.9351**	**0.6421**		**2,636.9883**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1828	4.4873	1.3124	9.2400e-003	0.2302	0.0356	0.2658	0.0663	0.0341	0.1003		988.3730	988.3730	0.0855		990.5111
Worker	1.0530	0.7540	7.1115	0.0185	1.7990	0.0130	1.8120	0.4772	0.0119	0.4891		1,844.6967	1,844.6967	0.0639		1,846.2949
Total	**1.2358**	**5.2412**	**8.4239**	**0.0278**	**2.0292**	**0.0486**	**2.0778**	**0.5435**	**0.0460**	**0.5895**		**2,833.0697**	**2,833.0697**	**0.1495**		**2,836.8061**

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**		**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1632	4.2190	1.2067	9.1500e-003	0.2302	0.0299	0.2600	0.0663	0.0286	0.0948		980.9009	980.9009	0.0827		982.9674
Worker	0.9725	0.6740	6.4034	0.0180	1.7990	0.0128	1.8119	0.4772	0.0118	0.4890		1,789.0411	1,789.0411	0.0577		1,790.4843
Total	**1.1358**	**4.8930**	**7.6101**	**0.0271**	**2.0292**	**0.0427**	**2.0719**	**0.5435**	**0.0404**	**0.5838**		**2,769.9420**	**2,769.9420**	**0.1404**		**2,773.4517**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	**2.3612**	**21.0788**	**17.1638**	**0.0269**		**1.2899**	**1.2899**		**1.2127**	**1.2127**	**0.0000**	**2,591.5802**	**2,591.5802**	**0.6313**		**2,607.3635**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1632	4.2190	1.2067	9.1500e-003	0.2302	0.0299	0.2600	0.0663	0.0286	0.0948		980.9009	980.9009	0.0827		982.9674
Worker	0.9725	0.6740	6.4034	0.0180	1.7990	0.0128	1.8119	0.4772	0.0118	0.4890		1,789.0411	1,789.0411	0.0577		1,790.4843
Total	**1.1358**	**4.8930**	**7.6101**	**0.0271**	**2.0292**	**0.0427**	**2.0719**	**0.5435**	**0.0404**	**0.5838**		**2,769.9420**	**2,769.9420**	**0.1404**		**2,773.4517**

3.6 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**		**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	**0.0666**	**0.0462**	**0.4386**	**1.2300e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**122.5371**	**122.5371**	**3.9500e-003**		**122.6359**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4544**	**15.2441**	**14.6648**	**0.0228**		**0.8246**	**0.8246**		**0.7586**	**0.7586**	**0.0000**	**2,257.0025**	**2,257.0025**	**0.7141**		**2,274.8548**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0462	0.4386	1.2300e-003	0.1232	8.8000e-004	0.1241	0.0327	8.1000e-004	0.0335		122.5371	122.5371	3.9500e-003		122.6359
Total	**0.0666**	**0.0462**	**0.4386**	**1.2300e-003**	**0.1232**	**8.8000e-004**	**0.1241**	**0.0327**	**8.1000e-004**	**0.0335**		**122.5371**	**122.5371**	**3.9500e-003**		**122.6359**

3.7 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6342					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	**37.9006**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**282.0423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1954	0.1354	1.2865	3.6100e-003	0.3615	2.5800e-003	0.3640	0.0959	2.3700e-003	0.0983		359.4421	359.4421	0.0116		359.7320
Total	**0.1954**	**0.1354**	**1.2865**	**3.6100e-003**	**0.3615**	**2.5800e-003**	**0.3640**	**0.0959**	**2.3700e-003**	**0.0983**		**359.4421**	**359.4421**	**0.0116**		**359.7320**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	37.6342					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
Total	**37.9006**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**282.0423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1954	0.1354	1.2865	3.6100e-003	0.3615	2.5800e-003	0.3640	0.0959	2.3700e-003	0.0983		359.4421	359.4421	0.0116		359.7320
Total	**0.1954**	**0.1354**	**1.2865**	**3.6100e-003**	**0.3615**	**2.5800e-003**	**0.3640**	**0.0959**	**2.3700e-003**	**0.0983**		**359.4421**	**359.4421**	**0.0116**		**359.7320**

7899 Mission Valley CPU - Construction - Stadium Site

San Diego County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	5,000.00	Dwelling Unit	112.00	5,000,000.00	14300
Regional Shopping Center	1,000.00	1000sqft	20.00	1,000,000.00	0
General Office Building	2,000.00	1000sqft	45.00	2,000,000.00	0
Arena	6.00	Acre	6.00	261,360.00	0
City Park	50.00	Acre	50.00	2,178,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2020
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - 233-acres

Demolition -

Architectural Coating - SDAPCD Rule 67.0.1

Construction Phase - 5 two-year phases

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

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Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Off-road Equipment - Equipment doubled

Grading -

Off-road Equipment - 10

Trips and VMT -

Table Name	Column Name	Default Value	New Value
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tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
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tblConstructionPhase	NumDays	465.00	43.00
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tblConstructionPhase	PhaseEndDate	4/23/2021	3/24/2020
tblConstructionPhase	PhaseEndDate	5/25/2040	12/31/2021
tblConstructionPhase	PhaseEndDate	7/12/2019	1/23/2020

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tblConstructionPhase	PhaseStartDate	7/13/2019	1/24/2020
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tblLandUse	LotAcreage	45.91	45.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	8.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	81.5600	234.4786	276.5813	0.9962	64.7088	4.5314	69.2402	19.9376	4.3328	23.9827	0.0000	101,791.7820	101,791.7820	6.3470	0.0000	101,950.4573
2021	78.2881	211.8606	259.6270	0.9741	64.7088	3.5558	68.2646	17.3822	3.3973	20.7795	0.0000	99,633.8189	99,633.8189	6.0502	0.0000	99,785.0745
2022	76.0619	197.4916	244.9260	0.9510	64.7088	4.1512	67.7895	22.3715	3.8845	26.2147	0.0000	97,370.3257	97,370.3257	5.8071	0.0000	97,515.5043
2023	73.4448	163.4205	229.5546	0.9219	64.7087	2.6068	67.3155	17.3822	2.4893	19.8715	0.0000	94,483.8998	94,483.8998	5.3942	0.0000	94,618.7545
2024	71.8987	158.0314	218.7157	0.9003	64.7087	3.3418	67.0330	22.3715	3.1232	25.2993	0.0000	92,371.8784	92,371.8784	5.2403	0.0000	92,502.8859
2025	70.5206	152.8078	208.8694	0.8791	64.7087	2.0488	66.7575	17.3822	1.9526	19.3347	0.0000	90,297.4808	90,297.4808	5.1092	0.0000	90,425.2111
2026	69.5884	150.4891	200.8000	0.8605	64.7087	2.8358	66.7425	22.3715	2.6502	24.9403	0.0000	88,477.5683	88,477.5683	5.0072	0.0000	88,602.7492
2027	68.6592	148.3239	193.6704	0.8440	64.7087	2.0123	66.7209	17.3821	1.9186	19.3007	0.0000	86,865.2756	86,865.2756	4.9187	0.0000	86,988.2435
2028	67.6808	146.4871	187.6124	0.8297	64.7087	2.8285	66.6944	22.3715	2.6434	24.9336	0.0000	85,459.3766	85,459.3766	4.8420	0.0000	85,580.4257
2029	66.6199	144.6649	181.8152	0.8169	64.7086	1.9612	66.6698	17.3821	1.8713	19.2534	0.0000	84,206.7113	84,206.7113	4.7753	0.0000	84,326.0947
Maximum	**81.5600**	**234.4786**	**276.5813**	**0.9962**	**64.7088**	**4.5314**	**69.2402**	**22.3715**	**4.3328**	**26.2147**	**0.0000**	**101,791.7820**	**101,791.7820**	**6.3470**	**0.0000**	**101,950.4573**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	81.5600	234.4786	276.5813	0.9962	64.7088	4.5314	69.2402	19.9376	4.3328	23.9827	0.0000	101,791.7820	101,791.7820	6.3470	0.0000	101,950.4573
2021	78.2881	211.8606	259.6270	0.9741	64.7088	3.5558	68.2646	17.3822	3.3973	20.7795	0.0000	99,633.8189	99,633.8189	6.0502	0.0000	99,785.0745
2022	76.0619	197.4916	244.9260	0.9510	64.7088	4.1512	67.7895	22.3715	3.8845	26.2147	0.0000	97,370.3257	97,370.3257	5.8071	0.0000	97,515.5043
2023	73.4448	163.4205	229.5546	0.9219	64.7087	2.6068	67.3155	17.3822	2.4893	19.8715	0.0000	94,483.8998	94,483.8998	5.3942	0.0000	94,618.7545
2024	71.8987	158.0314	218.7157	0.9003	64.7087	3.3418	67.0330	22.3715	3.1232	25.2993	0.0000	92,371.8784	92,371.8784	5.2403	0.0000	92,502.8859
2025	70.5206	152.8078	208.8694	0.8791	64.7087	2.0488	66.7575	17.3822	1.9526	19.3347	0.0000	90,297.4808	90,297.4808	5.1092	0.0000	90,425.2111
2026	69.5884	150.4891	200.8000	0.8605	64.7087	2.8358	66.7425	22.3715	2.6502	24.9403	0.0000	88,477.5682	88,477.5682	5.0072	0.0000	88,602.7492
2027	68.6592	148.3239	193.6704	0.8440	64.7087	2.0123	66.7209	17.3821	1.9186	19.3007	0.0000	86,865.2756	86,865.2756	4.9187	0.0000	86,988.2434
2028	67.6808	146.4871	187.6124	0.8297	64.7087	2.8285	66.6944	22.3715	2.6434	24.9336	0.0000	85,459.3766	85,459.3766	4.8420	0.0000	85,580.4257
2029	66.6199	144.6649	181.8152	0.8169	64.7086	1.9612	66.6698	17.3821	1.8713	19.2534	0.0000	84,206.7113	84,206.7113	4.7753	0.0000	84,326.0947
Maximum	**81.5600**	**234.4786**	**276.5813**	**0.9962**	**64.7088**	**4.5314**	**69.2402**	**22.3715**	**4.3328**	**26.2147**	**0.0000**	**101,791.7820**	**101,791.7820**	**6.3470**	**0.0000**	**101,950.4573**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 - Site Preparation	Site Preparation	1/1/2020	1/23/2020	5	17	
2	Phase 1 - Grading	Grading	1/24/2020	3/24/2020	5	43	
3	Phase 1 - Building Construction	Building Construction	3/25/2020	11/18/2021	5	432	
4	Phases All - Architectural Coating	Architectural Coating	3/25/2020	11/16/2029	5	2518	
5	Phase 1 - Paving	Paving	11/19/2021	12/31/2021	5	31	
6	Phase 2 - Site Preparation	Site Preparation	1/3/2022	1/25/2022	5	17	
7	Phase 2 - Grading	Grading	1/26/2022	3/25/2022	5	43	
8	Phase 2 - Building Construction	Building Construction	3/28/2022	11/17/2023	5	430	
9	Phase 2 - Paving	Paving	11/20/2023	12/29/2023	5	30	
10	Phase 3 - Site Preparation	Site Preparation	1/1/2024	1/23/2024	5	17	
11	Phase 3 - Grading	Grading	1/24/2024	3/22/2024	5	43	
12	Phase 3 - Building Construction	Building Construction	3/25/2024	11/18/2025	5	432	
13	Phase 3 - Paving	Paving	11/19/2025	12/31/2025	5	31	
14	Phase 4 - Site Preparation	Site Preparation	1/1/2026	1/23/2026	5	17	
15	Phase 4 - Grading	Grading	1/26/2026	3/25/2026	5	43	
16	Phase 4 - Building Construction	Building Construction	3/26/2026	11/19/2027	5	432	
17	Phase 4 - Paving	Paving	11/22/2027	12/31/2027	5	30	
18	Phase 5 - Site Preparation	Site Preparation	1/3/2028	1/25/2028	5	17	
19	Phase 5 - Grading	Grading	1/26/2028	3/24/2028	5	43	
20	Phase 5 - Building Construction	Building Construction	3/27/2028	11/16/2029	5	430	
21	Phase 5 - Paving	Paving	11/19/2029	12/31/2029	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 10,125,000; Residential Outdoor: 3,375,000; Non-Residential Indoor: 4,892,040; Non-Residential Outdoor: 1,630,680;

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 5 - Paving	Air Compressors	2	6.00	78	0.48
Phase 4 - Building Construction	Cranes	2	7.00	231	0.29
Phase 5 - Building Construction	Cranes	2	7.00	231	0.29
Phase 4 - Grading	Excavators	4	8.00	158	0.38
Phase 5 - Grading	Excavators	4	8.00	158	0.38
Phase 4 - Building Construction	Forklifts	6	8.00	89	0.20
Phase 5 - Building Construction	Forklifts	6	8.00	89	0.20
Phase 4 - Building Construction	Generator Sets	2	8.00	84	0.74
Phase 5 - Building Construction	Generator Sets	2	8.00	84	0.74
Phase 4 - Grading	Graders	2	8.00	187	0.41
Phase 5 - Grading	Graders	2	8.00	187	0.41
Phase 4 - Paving	Pavers	4	8.00	130	0.42
Phase 5 - Paving	Pavers	4	8.00	130	0.42
Phase 4 - Paving	Paving Equipment	4	8.00	132	0.36
Phase 5 - Paving	Paving Equipment	4	8.00	132	0.36
Phase 4 - Paving	Rollers	4	8.00	80	0.38
Phase 5 - Paving	Rollers	4	8.00	80	0.38
Phase 4 - Grading	Rubber Tired Dozers	2	8.00	247	0.40
Phase 5 - Grading	Rubber Tired Dozers	2	8.00	247	0.40
Phase 4 - Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Phase 5 - Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Phase 4 - Grading	Scrapers	4	8.00	367	0.48
Phase 5 - Grading	Scrapers	4	8.00	367	0.48
Phase 4 - Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Phase 5 - Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Phase 4 - Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 5 - Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 4 - Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37

Phase 5 - Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Phase 4 - Building Construction	Welders	2	8.00	46	0.45
Phase 5 - Building Construction	Welders	2	8.00	46	0.45
Phases All - Architectural Coating	Air Compressors	10	6.00	78	0.48
Phase 1 - Paving	Air Compressors	2	6.00	78	0.48
Phase 2 - Paving	Air Compressors	2	6.00	78	0.48
Phase 2 - Building Construction	Cranes	2	7.00	231	0.29
Phase 1 - Grading	Excavators	4	8.00	158	0.38
Phase 1 - Building Construction	Cranes	2	7.00	231	0.29
Phase 1 - Building Construction	Forklifts	6	8.00	89	0.20
Phase 1 - Building Construction	Generator Sets	2	8.00	84	0.74
Phase 1 - Paving	Pavers	4	8.00	130	0.42
Phase 1 - Paving	Rollers	4	8.00	80	0.38
Phase 2 - Grading	Excavators	4	8.00	158	0.38
Phase 1 - Grading	Rubber Tired Dozers	2	8.00	247	0.40
Phase 1 - Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Phase 1 - Grading	Graders	2	8.00	187	0.41
Phase 1 - Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 1 - Paving	Paving Equipment	4	8.00	132	0.36
Phase 1 - Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Phase 1 - Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Phase 1 - Building Construction	Welders	2	8.00	46	0.45
Phase 1 - Grading	Scrapers	4	8.00	367	0.48
Phase 2 - Building Construction	Forklifts	6	8.00	89	0.20
Phase 2 - Building Construction	Generator Sets	2	8.00	84	0.74
Phase 2 - Grading	Graders	2	8.00	187	0.41
Phase 2 - Paving	Pavers	4	8.00	130	0.42
Phase 2 - Paving	Paving Equipment	4	8.00	132	0.36
Phase 2 - Paving	Rollers	4	8.00	80	0.38
Phase 2 - Grading	Rubber Tired Dozers	2	8.00	247	0.40

Phase 2 - Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Phase 2 - Grading	Scrapers	4	8.00	367	0.48
Phase 2 - Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Phase 2 - Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 2 - Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Phase 2 - Building Construction	Welders	2	8.00	46	0.45
Phase 3 - Paving	Air Compressors	2	6.00	78	0.48
Phase 3 - Building Construction	Cranes	2	7.00	231	0.29
Phase 3 - Grading	Excavators	4	8.00	158	0.38
Phase 3 - Building Construction	Forklifts	6	8.00	89	0.20
Phase 3 - Building Construction	Generator Sets	2	8.00	84	0.74
Phase 3 - Grading	Graders	2	8.00	187	0.41
Phase 3 - Paving	Pavers	4	8.00	130	0.42
Phase 3 - Paving	Paving Equipment	4	8.00	132	0.36
Phase 3 - Paving	Rollers	4	8.00	80	0.38
Phase 3 - Grading	Rubber Tired Dozers	2	8.00	247	0.40
Phase 3 - Site Preparation	Rubber Tired Dozers	6	8.00	247	0.40
Phase 3 - Grading	Scrapers	4	8.00	367	0.48
Phase 3 - Building Construction	Tractors/Loaders/Backhoes	6	7.00	97	0.37
Phase 3 - Grading	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Phase 3 - Site Preparation	Tractors/Loaders/Backhoes	8	8.00	97	0.37
Phase 3 - Building Construction	Welders	2	8.00	46	0.45
Phase 4 - Paving	Air Compressors	2	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 2 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 - Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 - Grading	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 - Building Construction	18	5,585.00	1,426.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 - Building Construction	18	5,585.00	1,426.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 - Grading	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 - Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 - Building Construction	18	5,585.00	1,426.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 - Grading	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 - Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 5 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 - Building Construction	18	5,585.00	1,426.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 5 - Building Construction	18	5,585.00	1,426.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 - Grading	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 5 - Grading	16	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 5 - Paving	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 4 - Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 5 - Site Preparation	14	35.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phases All - Architectural Coating	10	1,117.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Phase 1 - Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	8.1529	84.8347	43.0272	0.0760		4.3948	4.3948		4.0432	4.0432		7,370.2031	7,370.2031	2.3837		7,429.7949
Total	**8.1529**	**84.8347**	**43.0272**	**0.0760**	**36.1325**	**4.3948**	**40.5273**	**19.8614**	**4.0432**	**23.9046**		**7,370.2031**	**7,370.2031**	**2.3837**		**7,429.7949**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1455	0.0972	0.9354	2.7800e-003	0.2875	2.0200e-003	0.2895	0.0763	1.8600e-003	0.0781		276.8962	276.8962	8.3400e-003		277.1046
Total	**0.1455**	**0.0972**	**0.9354**	**2.7800e-003**	**0.2875**	**2.0200e-003**	**0.2895**	**0.0763**	**1.8600e-003**	**0.0781**		**276.8962**	**276.8962**	**8.3400e-003**		**277.1046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	8.1529	84.8347	43.0272	0.0760		4.3948	4.3948		4.0432	4.0432	0.0000	7,370.2031	7,370.2031	2.3837		7,429.7949
Total	**8.1529**	**84.8347**	**43.0272**	**0.0760**	**36.1325**	**4.3948**	**40.5273**	**19.8614**	**4.0432**	**23.9046**	**0.0000**	**7,370.2031**	**7,370.2031**	**2.3837**		**7,429.7949**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1455	0.0972	0.9354	2.7800e-003	0.2875	2.0200e-003	0.2895	0.0763	1.8600e-003	0.0781		276.8962	276.8962	8.3400e-003		277.1046
Total	**0.1455**	**0.0972**	**0.9354**	**2.7800e-003**	**0.2875**	**2.0200e-003**	**0.2895**	**0.0763**	**1.8600e-003**	**0.0781**		**276.8962**	**276.8962**	**8.3400e-003**		**277.1046**

3.3 Phase 1 - Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	8.9002	100.3950	63.9166	0.1240		4.3478	4.3478		4.0000	4.0000		12,011.7305	12,011.7305	3.8848		12,108.8515
Total	**8.9002**	**100.3950**	**63.9166**	**0.1240**	**17.3467**	**4.3478**	**21.6945**	**7.1930**	**4.0000**	**11.1930**		**12,011.7305**	**12,011.7305**	**3.8848**		**12,108.8515**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1662	0.1110	1.0690	3.1800e-003	0.3286	2.3100e-003	0.3309	0.0872	2.1200e-003	0.0893		316.4528	316.4528	9.5300e-003		316.6910
Total	**0.1662**	**0.1110**	**1.0690**	**3.1800e-003**	**0.3286**	**2.3100e-003**	**0.3309**	**0.0872**	**2.1200e-003**	**0.0893**		**316.4528**	**316.4528**	**9.5300e-003**		**316.6910**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	8.9002	100.3950	63.9166	0.1240		4.3478	4.3478		4.0000	4.0000	0.0000	12,011.7305	12,011.7305	3.8848		12,108.8515
Total	**8.9002**	**100.3950**	**63.9166**	**0.1240**	**17.3467**	**4.3478**	**21.6945**	**7.1930**	**4.0000**	**11.1930**	**0.0000**	**12,011.7305**	**12,011.7305**	**3.8848**		**12,108.8515**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1662	0.1110	1.0690	3.1800e-003	0.3286	2.3100e-003	0.3309	0.0872	2.1200e-003	0.0893		316.4528	316.4528	9.5300e-003		316.6910
Total	**0.1662**	**0.1110**	**1.0690**	**3.1800e-003**	**0.3286**	**2.3100e-003**	**0.3309**	**0.0872**	**2.1200e-003**	**0.0893**		**316.4528**	**316.4528**	**9.5300e-003**		**316.6910**

3.4 Phase 1 - Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2397	38.3721	33.6970	0.0538		2.2341	2.2341		2.1007	2.1007		5,106.1261	5,106.1261	1.2457		5,137.2690
Total	**4.2397**	**38.3721**	**33.6970**	**0.0538**		**2.2341**	**2.2341**		**2.1007**	**2.1007**		**5,106.1261**	**5,106.1261**	**1.2457**		**5,137.2690**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5809	160.6634	45.4612	0.3805	9.6535	0.8016	10.4551	2.7789	0.7668	3.5457		40,849.5120	40,849.5120	3.2870		40,931.6879
Worker	23.2115	15.5040	149.2574	0.4435	45.8795	0.3220	46.2014	12.1694	0.2966	12.4660		44,184.7195	44,184.7195	1.3303		44,217.9769
Total	**28.7924**	**176.1674**	**194.7186**	**0.8239**	**55.5329**	**1.1236**	**56.6565**	**14.9483**	**1.0634**	**16.0117**		**85,034.2315**	**85,034.2315**	**4.6173**		**85,149.6648**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2397	38.3721	33.6970	0.0538		2.2341	2.2341		2.1007	2.1007	0.0000	5,106.1261	5,106.1261	1.2457		5,137.2690
Total	**4.2397**	**38.3721**	**33.6970**	**0.0538**		**2.2341**	**2.2341**		**2.1007**	**2.1007**	**0.0000**	**5,106.1261**	**5,106.1261**	**1.2457**		**5,137.2690**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5809	160.6634	45.4612	0.3805	9.6535	0.8016	10.4551	2.7789	0.7668	3.5457		40,849.5120	40,849.5120	3.2870		40,931.6879
Worker	23.2115	15.5040	149.2574	0.4435	45.8795	0.3220	46.2014	12.1694	0.2966	12.4660		44,184.7195	44,184.7195	1.3303		44,217.9769
Total	**28.7924**	**176.1674**	**194.7186**	**0.8239**	**55.5329**	**1.1236**	**56.6565**	**14.9483**	**1.0634**	**16.0117**		**85,034.2315**	**85,034.2315**	**4.6173**		**85,149.6648**

3.4 Phase 1 - Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026		5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**		**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.5453	144.8225	41.2036	0.3764	9.6535	0.3173	9.9707	2.7789	0.3034	3.0824		40,472.6322	40,472.6322	3.1529		40,551.4557
Worker	21.9068	14.0879	139.2479	0.4285	45.8795	0.3169	46.1964	12.1694	0.2919	12.4613		42,699.9820	42,699.9820	1.2268		42,730.6510
Total	**26.4521**	**158.9104**	**180.4515**	**0.8048**	**55.5329**	**0.6342**	**56.1671**	**14.9483**	**0.5954**	**15.5437**		**83,172.6142**	**83,172.6142**	**4.3797**		**83,282.1067**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8019	34.8642	33.1504	0.0538		1.9172	1.9172		1.8026	1.8026	0.0000	5,106.7278	5,106.7278	1.2320		5,137.5285
Total	**3.8019**	**34.8642**	**33.1504**	**0.0538**		**1.9172**	**1.9172**		**1.8026**	**1.8026**	**0.0000**	**5,106.7278**	**5,106.7278**	**1.2320**		**5,137.5285**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.5453	144.8225	41.2036	0.3764	9.6535	0.3173	9.9707	2.7789	0.3034	3.0824		40,472.6322	40,472.6322	3.1529		40,551.4557
Worker	21.9068	14.0879	139.2479	0.4285	45.8795	0.3169	46.1964	12.1694	0.2919	12.4613		42,699.9820	42,699.9820	1.2268		42,730.6510
Total	**26.4521**	**158.9104**	**180.4515**	**0.8048**	**55.5329**	**0.6342**	**56.1671**	**14.9483**	**0.5954**	**15.5437**		**83,172.6142**	**83,172.6142**	**4.3797**		**83,282.1067**

3.5 Phases All - Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.4218	16.8384	18.3142	0.0297		1.1094	1.1094		1.1094	1.1094		2,814.4805	2,814.4805	0.2179		2,819.9282
Total	**43.8856**	**16.8384**	**18.3142**	**0.0297**		**1.1094**	**1.1094**		**1.1094**	**1.1094**		**2,814.4805**	**2,814.4805**	**0.2179**		**2,819.9282**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.6423	3.1008	29.8515	0.0887	9.1759	0.0644	9.2403	2.4339	0.0593	2.4932		8,836.9439	8,836.9439	0.2661		8,843.5954
Total	**4.6423**	**3.1008**	**29.8515**	**0.0887**	**9.1759**	**0.0644**	**9.2403**	**2.4339**	**0.0593**	**2.4932**		**8,836.9439**	**8,836.9439**	**0.2661**		**8,843.5954**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.4218	16.8384	18.3142	0.0297		1.1094	1.1094		1.1094	1.1094	0.0000	2,814.4805	2,814.4805	0.2179		2,819.9282
Total	**43.8856**	**16.8384**	**18.3142**	**0.0297**		**1.1094**	**1.1094**		**1.1094**	**1.1094**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.2179**		**2,819.9282**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.6423	3.1008	29.8515	0.0887	9.1759	0.0644	9.2403	2.4339	0.0593	2.4932		8,836.9439	8,836.9439	0.2661		8,843.5954
Total	**4.6423**	**3.1008**	**29.8515**	**0.0887**	**9.1759**	**0.0644**	**9.2403**	**2.4339**	**0.0593**	**2.4932**		**8,836.9439**	**8,836.9439**	**0.2661**		**8,843.5954**

3.5 Phases All - Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1890	15.2685	18.1755	0.0297		0.9410	0.9410		0.9410	0.9410		2,814.4805	2,814.4805	0.1932		2,819.3091
Total	**43.6528**	**15.2685**	**18.1755**	**0.0297**		**0.9410**	**0.9410**		**0.9410**	**0.9410**		**2,814.4805**	**2,814.4805**	**0.1932**		**2,819.3091**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.3814	2.8176	27.8496	0.0857	9.1759	0.0634	9.2393	2.4339	0.0584	2.4923		8,539.9964	8,539.9964	0.2454		8,546.1302
Total	**4.3814**	**2.8176**	**27.8496**	**0.0857**	**9.1759**	**0.0634**	**9.2393**	**2.4339**	**0.0584**	**2.4923**		**8,539.9964**	**8,539.9964**	**0.2454**		**8,546.1302**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.1890	15.2685	18.1755	0.0297		0.9410	0.9410		0.9410	0.9410	0.0000	2,814.4805	2,814.4805	0.1932		2,819.3091
Total	**43.6528**	**15.2685**	**18.1755**	**0.0297**		**0.9410**	**0.9410**		**0.9410**	**0.9410**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1932**		**2,819.3091**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.3814	2.8176	27.8496	0.0857	9.1759	0.0634	9.2393	2.4339	0.0584	2.4923		8,539.9964	8,539.9964	0.2454		8,546.1302
Total	**4.3814**	**2.8176**	**27.8496**	**0.0857**	**9.1759**	**0.0634**	**9.2393**	**2.4339**	**0.0584**	**2.4923**		**8,539.9964**	**8,539.9964**	**0.2454**		**8,546.1302**

3.5 Phases All - Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.0454	14.0848	18.1359	0.0297		0.8172	0.8172		0.8172	0.8172		2,814.4805	2,814.4805	0.1832		2,819.0615
Total	**43.5092**	**14.0848**	**18.1359**	**0.0297**		**0.8172**	**0.8172**		**0.8172**	**0.8172**		**2,814.4805**	**2,814.4805**	**0.1832**		**2,819.0615**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.1520	2.5687	25.8418	0.0825	9.1759	0.0620	9.2379	2.4339	0.0571	2.4910		8,226.9908	8,226.9908	0.2246		8,232.6064
Total	**4.1520**	**2.5687**	**25.8418**	**0.0825**	**9.1759**	**0.0620**	**9.2379**	**2.4339**	**0.0571**	**2.4910**		**8,226.9908**	**8,226.9908**	**0.2246**		**8,232.6064**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	2.0454	14.0848	18.1359	0.0297		0.8172	0.8172		0.8172	0.8172	0.0000	2,814.4805	2,814.4805	0.1832		2,819.0615
Total	**43.5092**	**14.0848**	**18.1359**	**0.0297**		**0.8172**	**0.8172**		**0.8172**	**0.8172**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1832**		**2,819.0615**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.1520	2.5687	25.8418	0.0825	9.1759	0.0620	9.2379	2.4339	0.0571	2.4910		8,226.9908	8,226.9908	0.2246		8,232.6064
Total	**4.1520**	**2.5687**	**25.8418**	**0.0825**	**9.1759**	**0.0620**	**9.2379**	**2.4339**	**0.0571**	**2.4910**		**8,226.9908**	**8,226.9908**	**0.2246**		**8,232.6064**

3.5 Phases All - Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9166	13.0299	18.1112	0.0297		0.7082	0.7082		0.7082	0.7082		2,814.4805	2,814.4805	0.1684		2,818.6901
Total	**43.3805**	**13.0299**	**18.1112**	**0.0297**		**0.7082**	**0.7082**		**0.7082**	**0.7082**		**2,814.4805**	**2,814.4805**	**0.1684**		**2,818.6901**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9425	2.3451	23.9527	0.0794	9.1759	0.0608	9.2367	2.4339	0.0560	2.4898		7,912.7856	7,912.7856	0.2053		7,917.9182
Total	**3.9425**	**2.3451**	**23.9527**	**0.0794**	**9.1759**	**0.0608**	**9.2367**	**2.4339**	**0.0560**	**2.4898**		**7,912.7856**	**7,912.7856**	**0.2053**		**7,917.9182**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9166	13.0299	18.1112	0.0297		0.7082	0.7082		0.7082	0.7082	0.0000	2,814.4805	2,814.4805	0.1684		2,818.6901
Total	**43.3805**	**13.0299**	**18.1112**	**0.0297**		**0.7082**	**0.7082**		**0.7082**	**0.7082**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1684**		**2,818.6901**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.9425	2.3451	23.9527	0.0794	9.1759	0.0608	9.2367	2.4339	0.0560	2.4898		7,912.7856	7,912.7856	0.2053		7,917.9182
Total	**3.9425**	**2.3451**	**23.9527**	**0.0794**	**9.1759**	**0.0608**	**9.2367**	**2.4339**	**0.0560**	**2.4898**		**7,912.7856**	**7,912.7856**	**0.2053**		**7,917.9182**

3.5 Phases All - Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8077	12.1880	18.1013	0.0297		0.6092	0.6092		0.6092	0.6092		2,814.4805	2,814.4805	0.1585		2,818.4425
Total	**43.2715**	**12.1880**	**18.1013**	**0.0297**		**0.6092**	**0.6092**		**0.6092**	**0.6092**		**2,814.4805**	**2,814.4805**	**0.1585**		**2,818.4425**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7562	2.1507	22.3603	0.0762	9.1759	0.0597	9.2356	2.4339	0.0549	2.4888		7,601.3183	7,601.3183	0.1885		7,606.0312
Total	**3.7562**	**2.1507**	**22.3603**	**0.0762**	**9.1759**	**0.0597**	**9.2356**	**2.4339**	**0.0549**	**2.4888**		**7,601.3183**	**7,601.3183**	**0.1885**		**7,606.0312**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8077	12.1880	18.1013	0.0297		0.6092	0.6092		0.6092	0.6092	0.0000	2,814.4805	2,814.4805	0.1585		2,818.4425
Total	**43.2715**	**12.1880**	**18.1013**	**0.0297**		**0.6092**	**0.6092**		**0.6092**	**0.6092**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1585**		**2,818.4425**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.7562	2.1507	22.3603	0.0762	9.1759	0.0597	9.2356	2.4339	0.0549	2.4888		7,601.3183	7,601.3183	0.1885		7,606.0312
Total	**3.7562**	**2.1507**	**22.3603**	**0.0762**	**9.1759**	**0.0597**	**9.2356**	**2.4339**	**0.0549**	**2.4888**		**7,601.3183**	**7,601.3183**	**0.1885**		**7,606.0312**

3.5 Phases All - Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151		2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**		**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5934	1.9828	20.8646	0.0731	9.1759	0.0587	9.2346	2.4339	0.0541	2.4879		7,294.0712	7,294.0712	0.1739		7,298.4195
Total	**3.5934**	**1.9828**	**20.8646**	**0.0731**	**9.1759**	**0.0587**	**9.2346**	**2.4339**	**0.0541**	**2.4879**		**7,294.0712**	**7,294.0712**	**0.1739**		**7,298.4195**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151	0.0000	2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.5934	1.9828	20.8646	0.0731	9.1759	0.0587	9.2346	2.4339	0.0541	2.4879		7,294.0712	7,294.0712	0.1739		7,298.4195
Total	**3.5934**	**1.9828**	**20.8646**	**0.0731**	**9.1759**	**0.0587**	**9.2346**	**2.4339**	**0.0541**	**2.4879**		**7,294.0712**	**7,294.0712**	**0.1739**		**7,298.4195**

3.5 Phases All - Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151		2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**		**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4513	1.8440	19.6016	0.0705	9.1759	0.0569	9.2328	2.4339	0.0524	2.4863		7,026.9544	7,026.9544	0.1620		7,031.0042
Total	**3.4513**	**1.8440**	**19.6016**	**0.0705**	**9.1759**	**0.0569**	**9.2328**	**2.4339**	**0.0524**	**2.4863**		**7,026.9544**	**7,026.9544**	**0.1620**		**7,031.0042**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151	0.0000	2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4513	1.8440	19.6016	0.0705	9.1759	0.0569	9.2328	2.4339	0.0524	2.4863		7,026.9544	7,026.9544	0.1620		7,031.0042
Total	**3.4513**	**1.8440**	**19.6016**	**0.0705**	**9.1759**	**0.0569**	**9.2328**	**2.4339**	**0.0524**	**2.4863**		**7,026.9544**	**7,026.9544**	**0.1620**		**7,031.0042**

3.5 Phases All - Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151		2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**		**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.3075	1.7211	18.4826	0.0681	9.1759	0.0539	9.2297	2.4339	0.0495	2.4834		6,791.5334	6,791.5334	0.1516		6,795.3235
Total	**3.3075**	**1.7211**	**18.4826**	**0.0681**	**9.1759**	**0.0539**	**9.2297**	**2.4339**	**0.0495**	**2.4834**		**6,791.5334**	**6,791.5334**	**0.1516**		**6,795.3235**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151	0.0000	2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.3075	1.7211	18.4826	0.0681	9.1759	0.0539	9.2297	2.4339	0.0495	2.4834		6,791.5334	6,791.5334	0.1516		6,795.3235
Total	**3.3075**	**1.7211**	**18.4826**	**0.0681**	**9.1759**	**0.0539**	**9.2297**	**2.4339**	**0.0495**	**2.4834**		**6,791.5334**	**6,791.5334**	**0.1516**		**6,795.3235**

3.5 Phases All - Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151		2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**		**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.1531	1.6124	17.5098	0.0660	9.1759	0.0499	9.2258	2.4339	0.0459	2.4798		6,584.9385	6,584.9385	0.1428		6,588.5091
Total	**3.1531**	**1.6124**	**17.5098**	**0.0660**	**9.1759**	**0.0499**	**9.2258**	**2.4339**	**0.0459**	**2.4798**		**6,584.9385**	**6,584.9385**	**0.1428**		**6,588.5091**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151	0.0000	2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.1531	1.6124	17.5098	0.0660	9.1759	0.0499	9.2258	2.4339	0.0459	2.4798		6,584.9385	6,584.9385	0.1428		6,588.5091
Total	**3.1531**	**1.6124**	**17.5098**	**0.0660**	**9.1759**	**0.0499**	**9.2258**	**2.4339**	**0.0459**	**2.4798**		**6,584.9385**	**6,584.9385**	**0.1428**		**6,588.5091**

3.5 Phases All - Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151		2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**		**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9846	1.5124	16.5847	0.0642	9.1759	0.0463	9.2222	2.4339	0.0426	2.4765		6,403.2891	6,403.2891	0.1347		6,406.6562
Total	**2.9846**	**1.5124**	**16.5847**	**0.0642**	**9.1759**	**0.0463**	**9.2222**	**2.4339**	**0.0426**	**2.4765**		**6,403.2891**	**6,403.2891**	**0.1347**		**6,406.6562**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	41.4639					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.7086	11.4551	18.0914	0.0297		0.5151	0.5151		0.5151	0.5151	0.0000	2,814.4805	2,814.4805	0.1535		2,818.3186
Total	**43.1725**	**11.4551**	**18.0914**	**0.0297**		**0.5151**	**0.5151**		**0.5151**	**0.5151**	**0.0000**	**2,814.4805**	**2,814.4805**	**0.1535**		**2,818.3186**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	2.9846	1.5124	16.5847	0.0642	9.1759	0.0463	9.2222	2.4339	0.0426	2.4765		6,403.2891	6,403.2891	0.1347		6,406.6562
Total	**2.9846**	**1.5124**	**16.5847**	**0.0642**	**9.1759**	**0.0463**	**9.2222**	**2.4339**	**0.0426**	**2.4765**		**6,403.2891**	**6,403.2891**	**0.1347**		**6,406.6562**

3.6 Phase 1 - Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9489	28.8919	32.9416	0.0515		1.5436	1.5436		1.4352	1.4352		4,977.3178	4,977.3178	1.4663		5,013.9764
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.9489**	**28.8919**	**32.9416**	**0.0515**		**1.5436**	**1.5436**		**1.4352**	**1.4352**		**4,977.3178**	**4,977.3178**	**1.4663**		**5,013.9764**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2746	0.1766	1.7453	5.3700e-003	1.0748	3.9700e-003	1.0788	0.2752	3.6600e-003	0.2789		535.1833	535.1833	0.0154		535.5677
Total	**0.2746**	**0.1766**	**1.7453**	**5.3700e-003**	**1.0748**	**3.9700e-003**	**1.0788**	**0.2752**	**3.6600e-003**	**0.2789**		**535.1833**	**535.1833**	**0.0154**		**535.5677**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9489	28.8919	32.9416	0.0515		1.5436	1.5436		1.4352	1.4352	0.0000	4,977.3178	4,977.3178	1.4663		5,013.9764
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.9489**	**28.8919**	**32.9416**	**0.0515**		**1.5436**	**1.5436**		**1.4352**	**1.4352**	**0.0000**	**4,977.3178**	**4,977.3178**	**1.4663**		**5,013.9764**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2746	0.1766	1.7453	5.3700e-003	1.0748	3.9700e-003	1.0788	0.2752	3.6600e-003	0.2789		535.1833	535.1833	0.0154		535.5677
Total	**0.2746**	**0.1766**	**1.7453**	**5.3700e-003**	**1.0748**	**3.9700e-003**	**1.0788**	**0.2752**	**3.6600e-003**	**0.2789**		**535.1833**	**535.1833**	**0.0154**		**535.5677**

3.7 Phase 2 - Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	6.3403	66.1670	39.3955	0.0761		3.2252	3.2252		2.9671	2.9671		7,372.1237	7,372.1237	2.3843		7,431.7311
Total	**6.3403**	**66.1670**	**39.3955**	**0.0761**	**36.1325**	**3.2252**	**39.3577**	**19.8614**	**2.9671**	**22.8285**		**7,372.1237**	**7,372.1237**	**2.3843**		**7,431.7311**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1301	0.0805	0.8097	2.5900e-003	0.2875	1.9400e-003	0.2895	0.0763	1.7900e-003	0.0781		257.7840	257.7840	7.0400e-003		257.9599
Total	**0.1301**	**0.0805**	**0.8097**	**2.5900e-003**	**0.2875**	**1.9400e-003**	**0.2895**	**0.0763**	**1.7900e-003**	**0.0781**		**257.7840**	**257.7840**	**7.0400e-003**		**257.9599**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	6.3403	66.1670	39.3955	0.0761		3.2252	3.2252		2.9671	2.9671	0.0000	7,372.1237	7,372.1237	2.3843		7,431.7311
Total	**6.3403**	**66.1670**	**39.3955**	**0.0761**	**36.1325**	**3.2252**	**39.3577**	**19.8614**	**2.9671**	**22.8285**	**0.0000**	**7,372.1237**	**7,372.1237**	**2.3843**		**7,431.7311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1301	0.0805	0.8097	2.5900e-003	0.2875	1.9400e-003	0.2895	0.0763	1.7900e-003	0.0781		257.7840	257.7840	7.0400e-003		257.9599
Total	**0.1301**	**0.0805**	**0.8097**	**2.5900e-003**	**0.2875**	**1.9400e-003**	**0.2895**	**0.0763**	**1.7900e-003**	**0.0781**		**257.7840**	**257.7840**	**7.0400e-003**		**257.9599**

3.8 Phase 2 - Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	7.2497	77.6870	58.0830	0.1242		3.2698	3.2698		3.0082	3.0082		12,022.8211	12,022.8211	3.8884		12,120.0317
Total	**7.2497**	**77.6870**	**58.0830**	**0.1242**	**17.3467**	**3.2698**	**20.6165**	**7.1930**	**3.0082**	**10.2012**		**12,022.8211**	**12,022.8211**	**3.8884**		**12,120.0317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1487	0.0920	0.9254	2.9600e-003	0.3286	2.2200e-003	0.3308	0.0872	2.0500e-003	0.0892		294.6102	294.6102	8.0400e-003		294.8113
Total	**0.1487**	**0.0920**	**0.9254**	**2.9600e-003**	**0.3286**	**2.2200e-003**	**0.3308**	**0.0872**	**2.0500e-003**	**0.0892**		**294.6102**	**294.6102**	**8.0400e-003**		**294.8113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	7.2497	77.6870	58.0830	0.1242		3.2698	3.2698		3.0082	3.0082	0.0000	12,022.8211	12,022.8211	3.8884		12,120.0317
Total	**7.2497**	**77.6870**	**58.0830**	**0.1242**	**17.3467**	**3.2698**	**20.6165**	**7.1930**	**3.0082**	**10.2012**	**0.0000**	**12,022.8211**	**12,022.8211**	**3.8884**		**12,120.0317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1487	0.0920	0.9254	2.9600e-003	0.3286	2.2200e-003	0.3308	0.0872	2.0500e-003	0.0892		294.6102	294.6102	8.0400e-003		294.8113
Total	**0.1487**	**0.0920**	**0.9254**	**2.9600e-003**	**0.3286**	**2.2200e-003**	**0.3308**	**0.0872**	**2.0500e-003**	**0.0892**		**294.6102**	**294.6102**	**8.0400e-003**		**294.8113**

3.9 Phase 2 - Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223		5,108.6672	5,108.6672	1.2239		5,139.2644
Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**		**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2282	136.7636	39.0128	0.3722	9.6535	0.2735	9.9269	2.7789	0.2615	3.0405		40,085.2333	40,085.2333	3.0523		40,161.5400
Worker	20.7601	12.8433	129.2088	0.4127	45.8795	0.3100	46.1895	12.1694	0.2855	12.4549		41,134.9540	41,134.9540	1.1231		41,163.0320
Total	**24.9882**	**149.6069**	**168.2215**	**0.7848**	**55.5329**	**0.5835**	**56.1164**	**14.9483**	**0.5471**	**15.4954**		**81,220.1873**	**81,220.1873**	**4.1754**		**81,324.5720**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4125	31.2313	32.7268	0.0539		1.6180	1.6180		1.5223	1.5223	0.0000	5,108.6672	5,108.6672	1.2239		5,139.2644
Total	**3.4125**	**31.2313**	**32.7268**	**0.0539**		**1.6180**	**1.6180**		**1.5223**	**1.5223**	**0.0000**	**5,108.6672**	**5,108.6672**	**1.2239**		**5,139.2644**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.2282	136.7636	39.0128	0.3722	9.6535	0.2735	9.9269	2.7789	0.2615	3.0405		40,085.2333	40,085.2333	3.0523		40,161.5400
Worker	20.7601	12.8433	129.2088	0.4127	45.8795	0.3100	46.1895	12.1694	0.2855	12.4549		41,134.9540	41,134.9540	1.1231		41,163.0320
Total	**24.9882**	**149.6069**	**168.2215**	**0.7848**	**55.5329**	**0.5835**	**56.1164**	**14.9483**	**0.5471**	**15.4954**		**81,220.1873**	**81,220.1873**	**4.1754**		**81,324.5720**

3.9 Phase 2 - Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169		5,110.4199	5,110.4199	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**		**5,110.4199**	**5,110.4199**	**1.2157**		**5,140.8121**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2639	107.5505	35.2391	0.3621	9.6534	0.1344	9.7878	2.7789	0.1285	2.9074		39,082.2859	39,082.2859	2.7783		39,151.7431
Worker	19.7124	11.7252	119.7636	0.3968	45.8795	0.3039	46.1834	12.1694	0.2798	12.4492		39,563.9280	39,563.9280	1.0265		39,589.5910
Total	**22.9763**	**119.2757**	**155.0027**	**0.7589**	**55.5328**	**0.4383**	**55.9712**	**14.9483**	**0.4083**	**15.3566**		**78,646.2139**	**78,646.2139**	**3.8048**		**78,741.3341**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1455	28.7698	32.4880	0.0539		1.3995	1.3995		1.3169	1.3169	0.0000	5,110.4198	5,110.4198	1.2157		5,140.8121
Total	**3.1455**	**28.7698**	**32.4880**	**0.0539**		**1.3995**	**1.3995**		**1.3169**	**1.3169**	**0.0000**	**5,110.4198**	**5,110.4198**	**1.2157**		**5,140.8121**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2639	107.5505	35.2391	0.3621	9.6534	0.1344	9.7878	2.7789	0.1285	2.9074		39,082.2859	39,082.2859	2.7783		39,151.7431
Worker	19.7124	11.7252	119.7636	0.3968	45.8795	0.3039	46.1834	12.1694	0.2798	12.4492		39,563.9280	39,563.9280	1.0265		39,589.5910
Total	**22.9763**	**119.2757**	**155.0027**	**0.7589**	**55.5328**	**0.4383**	**55.9712**	**14.9483**	**0.4083**	**15.3566**		**78,646.2139**	**78,646.2139**	**3.8048**		**78,741.3341**

3.10 Phase 2 - Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4488	22.9893	32.7907	0.0516		1.1620	1.1620		1.0804	1.0804		4,978.0644	4,978.0644	1.4616		5,014.6052
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4488**	**22.9893**	**32.7907**	**0.0516**		**1.1620**	**1.1620**		**1.0804**	**1.0804**		**4,978.0644**	**4,978.0644**	**1.4616**		**5,014.6052**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2471	0.1470	1.5011	4.9700e-003	1.0748	3.8100e-003	1.0786	0.2752	3.5100e-003	0.2787		495.8773	495.8773	0.0129		496.1990
Total	**0.2471**	**0.1470**	**1.5011**	**4.9700e-003**	**1.0748**	**3.8100e-003**	**1.0786**	**0.2752**	**3.5100e-003**	**0.2787**		**495.8773**	**495.8773**	**0.0129**		**496.1990**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4488	22.9893	32.7907	0.0516		1.1620	1.1620		1.0804	1.0804	0.0000	4,978.0644	4,978.0644	1.4616		5,014.6052
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.4488**	**22.9893**	**32.7907**	**0.0516**		**1.1620**	**1.1620**		**1.0804**	**1.0804**	**0.0000**	**4,978.0644**	**4,978.0644**	**1.4616**		**5,014.6052**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2471	0.1470	1.5011	4.9700e-003	1.0748	3.8100e-003	1.0786	0.2752	3.5100e-003	0.2787		495.8773	495.8773	0.0129		496.1990
Total	**0.2471**	**0.1470**	**1.5011**	**4.9700e-003**	**1.0748**	**3.8100e-003**	**1.0786**	**0.2752**	**3.5100e-003**	**0.2787**		**495.8773**	**495.8773**	**0.0129**		**496.1990**

3.11 Phase 3 - Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620		7,376.0199	7,376.0199	2.3856		7,435.6588
Total	**5.3218**	**54.3520**	**36.6713**	**0.0762**	**36.1325**	**2.4587**	**38.5912**	**19.8614**	**2.2620**	**22.1234**		**7,376.0199**	**7,376.0199**	**2.3856**		**7,435.6588**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1177	0.0674	0.7006	2.3900e-003	0.2875	1.8700e-003	0.2894	0.0763	1.7200e-003	0.0780		238.1792	238.1792	5.9100e-003		238.3269
Total	**0.1177**	**0.0674**	**0.7006**	**2.3900e-003**	**0.2875**	**1.8700e-003**	**0.2894**	**0.0763**	**1.7200e-003**	**0.0780**		**238.1792**	**238.1792**	**5.9100e-003**		**238.3269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	5.3218	54.3520	36.6713	0.0762		2.4587	2.4587		2.2620	2.2620	0.0000	7,376.0199	7,376.0199	2.3856		7,435.6588
Total	**5.3218**	**54.3520**	**36.6713**	**0.0762**	**36.1325**	**2.4587**	**38.5912**	**19.8614**	**2.2620**	**22.1234**	**0.0000**	**7,376.0199**	**7,376.0199**	**2.3856**		**7,435.6588**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1177	0.0674	0.7006	2.3900e-003	0.2875	1.8700e-003	0.2894	0.0763	1.7200e-003	0.0780		238.1792	238.1792	5.9100e-003		238.3269
Total	**0.1177**	**0.0674**	**0.7006**	**2.3900e-003**	**0.2875**	**1.8700e-003**	**0.2894**	**0.0763**	**1.7200e-003**	**0.0780**		**238.1792**	**238.1792**	**5.9100e-003**		**238.3269**

3.12 Phase 3 - Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	6.4363	64.7539	55.4456	0.1241		2.6708	2.6708		2.4571	2.4571		12,019.4974	12,019.4974	3.8874		12,116.6811
Total	**6.4363**	**64.7539**	**55.4456**	**0.1241**	**17.3467**	**2.6708**	**20.0175**	**7.1930**	**2.4571**	**9.6501**		**12,019.4974**	**12,019.4974**	**3.8874**		**12,116.6811**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1345	0.0770	0.8007	2.7300e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		272.2048	272.2048	6.7500e-003		272.3735
Total	**0.1345**	**0.0770**	**0.8007**	**2.7300e-003**	**0.3286**	**2.1400e-003**	**0.3307**	**0.0872**	**1.9700e-003**	**0.0891**		**272.2048**	**272.2048**	**6.7500e-003**		**272.3735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	6.4363	64.7539	55.4456	0.1241		2.6708	2.6708		2.4571	2.4571	0.0000	12,019.4973	12,019.4973	3.8874		12,116.6811
Total	**6.4363**	**64.7539**	**55.4456**	**0.1241**	**17.3467**	**2.6708**	**20.0175**	**7.1930**	**2.4571**	**9.6501**	**0.0000**	**12,019.4973**	**12,019.4973**	**3.8874**		**12,116.6811**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1345	0.0770	0.8007	2.7300e-003	0.3286	2.1400e-003	0.3307	0.0872	1.9700e-003	0.0891		272.2048	272.2048	6.7500e-003		272.3735
Total	**0.1345**	**0.0770**	**0.8007**	**2.7300e-003**	**0.3286**	**2.1400e-003**	**0.3307**	**0.0872**	**1.9700e-003**	**0.0891**		**272.2048**	**272.2048**	**6.7500e-003**		**272.3735**

3.13 Phase 3 - Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538		5,111.3978	5,111.3978	1.2087		5,141.6153
Total	**2.9431**	**26.8876**	**32.3336**	**0.0539**		**1.2266**	**1.2266**		**1.1538**	**1.1538**		**5,111.3978**	**5,111.3978**	**1.2087**		**5,141.6153**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.1468	106.0514	34.1189	0.3593	9.6534	0.1305	9.7839	2.7789	0.1247	2.9036		38,838.0904	38,838.0904	2.7420		38,906.6407
Worker	18.7811	10.7537	111.8016	0.3812	45.8795	0.2984	46.1778	12.1694	0.2747	12.4440		38,006.5915	38,006.5915	0.9426		38,030.1562
Total	**21.9279**	**116.8051**	**145.9205**	**0.7404**	**55.5328**	**0.4288**	**55.9617**	**14.9483**	**0.3994**	**15.3477**		**76,844.6818**	**76,844.6818**	**3.6846**		**76,936.7969**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9431	26.8876	32.3336	0.0539		1.2266	1.2266		1.1538	1.1538	0.0000	5,111.3978	5,111.3978	1.2087		5,141.6153
Total	**2.9431**	**26.8876**	**32.3336**	**0.0539**		**1.2266**	**1.2266**		**1.1538**	**1.1538**	**0.0000**	**5,111.3978**	**5,111.3978**	**1.2087**		**5,141.6153**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.1468	106.0514	34.1189	0.3593	9.6534	0.1305	9.7839	2.7789	0.1247	2.9036		38,838.0904	38,838.0904	2.7420		38,906.6407
Worker	18.7811	10.7537	111.8016	0.3812	45.8795	0.2984	46.1778	12.1694	0.2747	12.4440		38,006.5915	38,006.5915	0.9426		38,030.1562
Total	**21.9279**	**116.8051**	**145.9205**	**0.7404**	**55.5328**	**0.4288**	**55.9617**	**14.9483**	**0.3994**	**15.3477**		**76,844.6818**	**76,844.6818**	**3.6846**		**76,936.7969**

3.13 Phase 3 - Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**		**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.0527	104.5168	33.4212	0.3566	9.6534	0.1262	9.7796	2.7789	0.1206	2.8995		38,605.6242	38,605.6242	2.7102		38,673.3791
Worker	17.9672	9.9138	104.3230	0.3657	45.8795	0.2937	46.1731	12.1694	0.2703	12.4397		36,470.3561	36,470.3561	0.8697		36,492.0976
Total	**21.0199**	**114.4306**	**137.7442**	**0.7223**	**55.5328**	**0.4199**	**55.9527**	**14.9483**	**0.3909**	**15.3392**		**75,075.9803**	**75,075.9803**	**3.5799**		**75,165.4768**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**	**0.0000**	**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.0527	104.5168	33.4212	0.3566	9.6534	0.1262	9.7796	2.7789	0.1206	2.8995		38,605.6242	38,605.6242	2.7102		38,673.3791
Worker	17.9672	9.9138	104.3230	0.3657	45.8795	0.2937	46.1731	12.1694	0.2703	12.4397		36,470.3561	36,470.3561	0.8697		36,492.0976
Total	**21.0199**	**114.4306**	**137.7442**	**0.7223**	**55.5328**	**0.4199**	**55.9527**	**14.9483**	**0.3909**	**15.3392**		**75,075.9803**	**75,075.9803**	**3.5799**		**75,165.4768**

3.14 Phase 3 - Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1720**	**19.4543**	**32.7742**	**0.0515**		**0.9401**	**0.9401**		**0.8731**	**0.8731**		**4,976.3864**	**4,976.3864**	**1.4581**		**5,012.8393**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2252	0.1243	1.3075	4.5800e-003	1.0748	3.6800e-003	1.0785	0.2752	3.3900e-003	0.2786		457.1038	457.1038	0.0109		457.3763
Total	**0.2252**	**0.1243**	**1.3075**	**4.5800e-003**	**1.0748**	**3.6800e-003**	**1.0785**	**0.2752**	**3.3900e-003**	**0.2786**		**457.1038**	**457.1038**	**0.0109**		**457.3763**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1720**	**19.4543**	**32.7742**	**0.0515**		**0.9401**	**0.9401**		**0.8731**	**0.8731**	**0.0000**	**4,976.3864**	**4,976.3864**	**1.4581**		**5,012.8393**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2252	0.1243	1.3075	4.5800e-003	1.0748	3.6800e-003	1.0785	0.2752	3.3900e-003	0.2786		457.1038	457.1038	0.0109		457.3763
Total	**0.2252**	**0.1243**	**1.3075**	**4.5800e-003**	**1.0748**	**3.6800e-003**	**1.0785**	**0.2752**	**3.3900e-003**	**0.2786**		**457.1038**	**457.1038**	**0.0109**		**457.3763**

3.15 Phase 4 - Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	4.9454	50.4678	35.8236	0.0762		2.1736	2.1736		1.9997	1.9997		7,378.2075	7,378.2075	2.3863		7,437.8640
Total	**4.9454**	**50.4678**	**35.8236**	**0.0762**	**36.1325**	**2.1736**	**38.3061**	**19.8614**	**1.9997**	**21.8611**		**7,378.2075**	**7,378.2075**	**2.3863**		**7,437.8640**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1081	0.0578	0.6142	2.2100e-003	0.2875	1.7800e-003	0.2893	0.0763	1.6400e-003	0.0779		220.1821	220.1821	5.0800e-003		220.3090
Total	**0.1081**	**0.0578**	**0.6142**	**2.2100e-003**	**0.2875**	**1.7800e-003**	**0.2893**	**0.0763**	**1.6400e-003**	**0.0779**		**220.1821**	**220.1821**	**5.0800e-003**		**220.3090**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	4.9454	50.4678	35.8236	0.0762		2.1736	2.1736		1.9997	1.9997	0.0000	7,378.2075	7,378.2075	2.3863		7,437.8640
Total	**4.9454**	**50.4678**	**35.8236**	**0.0762**	**36.1325**	**2.1736**	**38.3061**	**19.8614**	**1.9997**	**21.8611**	**0.0000**	**7,378.2075**	**7,378.2075**	**2.3863**		**7,437.8640**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1081	0.0578	0.6142	2.2100e-003	0.2875	1.7800e-003	0.2893	0.0763	1.6400e-003	0.0779		220.1821	220.1821	5.0800e-003		220.3090
Total	**0.1081**	**0.0578**	**0.6142**	**2.2100e-003**	**0.2875**	**1.7800e-003**	**0.2893**	**0.0763**	**1.6400e-003**	**0.0779**		**220.1821**	**220.1821**	**5.0800e-003**		**220.3090**

3.16 Phase 4 - Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	5.8025	55.8858	52.6622	0.1241		2.2618	2.2618		2.0808	2.0808		12,016.5629	12,016.5629	3.8864		12,113.7229
Total	**5.8025**	**55.8858**	**52.6622**	**0.1241**	**17.3467**	**2.2618**	**19.6085**	**7.1930**	**2.0808**	**9.2738**		**12,016.5629**	**12,016.5629**	**3.8864**		**12,113.7229**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1236	0.0660	0.7019	2.5200e-003	0.3286	2.0400e-003	0.3306	0.0872	1.8800e-003	0.0890		251.6367	251.6367	5.8000e-003		251.7817
Total	**0.1236**	**0.0660**	**0.7019**	**2.5200e-003**	**0.3286**	**2.0400e-003**	**0.3306**	**0.0872**	**1.8800e-003**	**0.0890**		**251.6367**	**251.6367**	**5.8000e-003**		**251.7817**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	5.8025	55.8858	52.6622	0.1241		2.2618	2.2618		2.0808	2.0808	0.0000	12,016.5629	12,016.5629	3.8864		12,113.7229
Total	**5.8025**	**55.8858**	**52.6622**	**0.1241**	**17.3467**	**2.2618**	**19.6085**	**7.1930**	**2.0808**	**9.2738**	**0.0000**	**12,016.5629**	**12,016.5629**	**3.8864**		**12,113.7229**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1236	0.0660	0.7019	2.5200e-003	0.3286	2.0400e-003	0.3306	0.0872	1.8800e-003	0.0890		251.6367	251.6367	5.8000e-003		251.7817
Total	**0.1236**	**0.0660**	**0.7019**	**2.5200e-003**	**0.3286**	**2.0400e-003**	**0.3306**	**0.0872**	**1.8800e-003**	**0.0890**		**251.6367**	**251.6367**	**5.8000e-003**		**251.7817**

3.17 Phase 4 - Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**		**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.9736	103.0306	32.9299	0.3542	9.6533	0.1222	9.7755	2.7789	0.1168	2.8957		38,388.4127	38,388.4127	2.6799		38,455.4090
Worker	17.2563	9.2200	98.0079	0.3523	45.8795	0.2846	46.1640	12.1694	0.2619	12.4313		35,134.7720	35,134.7720	0.8100		35,155.0212
Total	**20.2299**	**112.2507**	**130.9378**	**0.7064**	**55.5328**	**0.4067**	**55.9395**	**14.9483**	**0.3786**	**15.3269**		**73,523.1847**	**73,523.1847**	**3.4898**		**73,610.4302**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**	**0.0000**	**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.9736	103.0306	32.9299	0.3542	9.6533	0.1222	9.7755	2.7789	0.1168	2.8957		38,388.4127	38,388.4127	2.6799		38,455.4090
Worker	17.2563	9.2200	98.0079	0.3523	45.8795	0.2846	46.1640	12.1694	0.2619	12.4313		35,134.7720	35,134.7720	0.8100		35,155.0212
Total	**20.2299**	**112.2507**	**130.9378**	**0.7064**	**55.5328**	**0.4067**	**55.9395**	**14.9483**	**0.3786**	**15.3269**		**73,523.1847**	**73,523.1847**	**3.4898**		**73,610.4302**

3.17 Phase 4 - Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**		**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.9071	101.6027	32.5143	0.3519	9.6533	0.1190	9.7723	2.7789	0.1137	2.8926		38,188.6460	38,188.6460	2.6537		38,254.9876
Worker	16.5373	8.6057	92.4129	0.3404	45.8795	0.2692	46.1487	12.1694	0.2477	12.4171		33,957.6670	33,957.6670	0.7580		33,976.6176
Total	**19.4445**	**110.2084**	**124.9272**	**0.6923**	**55.5328**	**0.3882**	**55.9210**	**14.9483**	**0.3615**	**15.3097**		**72,146.3130**	**72,146.3130**	**3.4117**		**72,231.6052**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**	**0.0000**	**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.9071	101.6027	32.5143	0.3519	9.6533	0.1190	9.7723	2.7789	0.1137	2.8926		38,188.6460	38,188.6460	2.6537		38,254.9876
Worker	16.5373	8.6057	92.4129	0.3404	45.8795	0.2692	46.1487	12.1694	0.2477	12.4171		33,957.6670	33,957.6670	0.7580		33,976.6176
Total	**19.4445**	**110.2084**	**124.9272**	**0.6923**	**55.5328**	**0.3882**	**55.9210**	**14.9483**	**0.3615**	**15.3097**		**72,146.3130**	**72,146.3130**	**3.4117**		**72,231.6052**

3.18 Phase 4 - Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1720**	**19.4543**	**32.7742**	**0.0515**		**0.9401**	**0.9401**		**0.8731**	**0.8731**		**4,976.3864**	**4,976.3864**	**1.4581**		**5,012.8393**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2073	0.1079	1.1583	4.2700e-003	1.0748	3.3700e-003	1.0782	0.2752	3.1000e-003	0.2783		425.6109	425.6109	9.5000e-003		425.8484
Total	**0.2073**	**0.1079**	**1.1583**	**4.2700e-003**	**1.0748**	**3.3700e-003**	**1.0782**	**0.2752**	**3.1000e-003**	**0.2783**		**425.6109**	**425.6109**	**9.5000e-003**		**425.8484**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1720**	**19.4543**	**32.7742**	**0.0515**		**0.9401**	**0.9401**		**0.8731**	**0.8731**	**0.0000**	**4,976.3864**	**4,976.3864**	**1.4581**		**5,012.8393**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2073	0.1079	1.1583	4.2700e-003	1.0748	3.3700e-003	1.0782	0.2752	3.1000e-003	0.2783		425.6109	425.6109	9.5000e-003		425.8484
Total	**0.2073**	**0.1079**	**1.1583**	**4.2700e-003**	**1.0748**	**3.3700e-003**	**1.0782**	**0.2752**	**3.1000e-003**	**0.2783**		**425.6109**	**425.6109**	**9.5000e-003**		**425.8484**

3.19 Phase 5 - Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	4.9454	50.4678	35.8236	0.0762		2.1736	2.1736		1.9997	1.9997		7,378.2075	7,378.2075	2.3863		7,437.8640
Total	**4.9454**	**50.4678**	**35.8236**	**0.0762**	**36.1325**	**2.1736**	**38.3061**	**19.8614**	**1.9997**	**21.8611**		**7,378.2075**	**7,378.2075**	**2.3863**		**7,437.8640**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0988	0.0505	0.5487	2.0700e-003	0.2875	1.5600e-003	0.2891	0.0763	1.4400e-003	0.0777		206.3320	206.3320	4.4800e-003		206.4439
Total	**0.0988**	**0.0505**	**0.5487**	**2.0700e-003**	**0.2875**	**1.5600e-003**	**0.2891**	**0.0763**	**1.4400e-003**	**0.0777**		**206.3320**	**206.3320**	**4.4800e-003**		**206.4439**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					36.1325	0.0000	36.1325	19.8614	0.0000	19.8614			0.0000			0.0000
Off-Road	4.9454	50.4678	35.8236	0.0762		2.1736	2.1736		1.9997	1.9997	0.0000	7,378.2075	7,378.2075	2.3863		7,437.8640
Total	**4.9454**	**50.4678**	**35.8236**	**0.0762**	**36.1325**	**2.1736**	**38.3061**	**19.8614**	**1.9997**	**21.8611**	**0.0000**	**7,378.2075**	**7,378.2075**	**2.3863**		**7,437.8640**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0988	0.0505	0.5487	2.0700e-003	0.2875	1.5600e-003	0.2891	0.0763	1.4400e-003	0.0777		206.3320	206.3320	4.4800e-003		206.4439
Total	**0.0988**	**0.0505**	**0.5487**	**2.0700e-003**	**0.2875**	**1.5600e-003**	**0.2891**	**0.0763**	**1.4400e-003**	**0.0777**		**206.3320**	**206.3320**	**4.4800e-003**		**206.4439**

3.20 Phase 5 - Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	5.8025	55.8858	52.6622	0.1241		2.2618	2.2618		2.0808	2.0808		12,016.5629	12,016.5629	3.8864		12,113.7229
Total	**5.8025**	**55.8858**	**52.6622**	**0.1241**	**17.3467**	**2.2618**	**19.6085**	**7.1930**	**2.0808**	**9.2738**		**12,016.5629**	**12,016.5629**	**3.8864**		**12,113.7229**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1129	0.0577	0.6270	2.3600e-003	0.3286	1.7900e-003	0.3304	0.0872	1.6400e-003	0.0888		235.8080	235.8080	5.1100e-003		235.9359
Total	**0.1129**	**0.0577**	**0.6270**	**2.3600e-003**	**0.3286**	**1.7900e-003**	**0.3304**	**0.0872**	**1.6400e-003**	**0.0888**		**235.8080**	**235.8080**	**5.1100e-003**		**235.9359**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					17.3467	0.0000	17.3467	7.1930	0.0000	7.1930			0.0000			0.0000
Off-Road	5.8025	55.8858	52.6622	0.1241		2.2618	2.2618		2.0808	2.0808	0.0000	12,016.5629	12,016.5629	3.8864		12,113.7229
Total	**5.8025**	**55.8858**	**52.6622**	**0.1241**	**17.3467**	**2.2618**	**19.6085**	**7.1930**	**2.0808**	**9.2738**	**0.0000**	**12,016.5629**	**12,016.5629**	**3.8864**		**12,113.7229**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1129	0.0577	0.6270	2.3600e-003	0.3286	1.7900e-003	0.3304	0.0872	1.6400e-003	0.0888		235.8080	235.8080	5.1100e-003		235.9359
Total	**0.1129**	**0.0577**	**0.6270**	**2.3600e-003**	**0.3286**	**1.7900e-003**	**0.3304**	**0.0872**	**1.6400e-003**	**0.0888**		**235.8080**	**235.8080**	**5.1100e-003**		**235.9359**

3.21 Phase 5 - Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**		**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.8549	100.4180	32.2927	0.3500	9.6533	0.1163	9.7696	2.7789	0.1112	2.8901		38,022.3165	38,022.3165	2.6296		38,088.0566
Worker	15.7655	8.0622	87.5492	0.3300	45.8795	0.2493	46.1288	12.1694	0.2294	12.3988		32,924.6924	32,924.6924	0.7141		32,942.5453
Total	**18.6205**	**108.4802**	**119.8419**	**0.6800**	**55.5328**	**0.3656**	**55.8984**	**14.9483**	**0.3405**	**15.2888**		**70,947.0089**	**70,947.0089**	**3.3437**		**71,030.6019**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**	**0.0000**	**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.8549	100.4180	32.2927	0.3500	9.6533	0.1163	9.7696	2.7789	0.1112	2.8901		38,022.3165	38,022.3165	2.6296		38,088.0566
Worker	15.7655	8.0622	87.5492	0.3300	45.8795	0.2493	46.1288	12.1694	0.2294	12.3988		32,924.6924	32,924.6924	0.7141		32,942.5453
Total	**18.6205**	**108.4802**	**119.8419**	**0.6800**	**55.5328**	**0.3656**	**55.8984**	**14.9483**	**0.3405**	**15.2888**		**70,947.0089**	**70,947.0089**	**3.3437**		**71,030.6019**

3.21 Phase 5 - Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925		5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**		**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.8048	99.1964	32.0461	0.3482	9.6533	0.1132	9.7665	2.7789	0.1082	2.8871		37,859.5475	37,859.5475	2.6118		37,924.8429
Worker	14.9232	7.5618	82.9237	0.3209	45.8795	0.2315	46.1109	12.1694	0.2129	12.3823		32,016.4455	32,016.4455	0.6734		32,033.2809
Total	**17.7280**	**106.7581**	**114.9697**	**0.6691**	**55.5327**	**0.3447**	**55.8774**	**14.9483**	**0.3211**	**15.2694**		**69,875.9930**	**69,875.9930**	**3.2852**		**69,958.1237**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7348	24.9394	32.1693	0.0539		1.0551	1.0551		0.9925	0.9925	0.0000	5,112.9487	5,112.9487	1.2019		5,142.9961
Total	**2.7348**	**24.9394**	**32.1693**	**0.0539**		**1.0551**	**1.0551**		**0.9925**	**0.9925**	**0.0000**	**5,112.9487**	**5,112.9487**	**1.2019**		**5,142.9961**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.8048	99.1964	32.0461	0.3482	9.6533	0.1132	9.7665	2.7789	0.1082	2.8871		37,859.5475	37,859.5475	2.6118		37,924.8429
Worker	14.9232	7.5618	82.9237	0.3209	45.8795	0.2315	46.1109	12.1694	0.2129	12.3823		32,016.4455	32,016.4455	0.6734		32,033.2809
Total	**17.7280**	**106.7581**	**114.9697**	**0.6691**	**55.5327**	**0.3447**	**55.8774**	**14.9483**	**0.3211**	**15.2694**		**69,875.9930**	**69,875.9930**	**3.2852**		**69,958.1237**

3.22 Phase 5 - Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731		4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1720**	**19.4543**	**32.7742**	**0.0515**		**0.9401**	**0.9401**		**0.8731**	**0.8731**		**4,976.3864**	**4,976.3864**	**1.4581**		**5,012.8393**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1870	0.0948	1.0393	4.0200e-003	1.0748	2.9000e-003	1.0777	0.2752	2.6700e-003	0.2779		401.2804	401.2804	8.4400e-003		401.4914
Total	**0.1870**	**0.0948**	**1.0393**	**4.0200e-003**	**1.0748**	**2.9000e-003**	**1.0777**	**0.2752**	**2.6700e-003**	**0.2779**		**401.2804**	**401.2804**	**8.4400e-003**		**401.4914**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1720	19.4543	32.7742	0.0515		0.9401	0.9401		0.8731	0.8731	0.0000	4,976.3864	4,976.3864	1.4581		5,012.8393
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1720**	**19.4543**	**32.7742**	**0.0515**		**0.9401**	**0.9401**		**0.8731**	**0.8731**	**0.0000**	**4,976.3864**	**4,976.3864**	**1.4581**		**5,012.8393**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1870	0.0948	1.0393	4.0200e-003	1.0748	2.9000e-003	1.0777	0.2752	2.6700e-003	0.2779		401.2804	401.2804	8.4400e-003		401.4914
Total	**0.1870**	**0.0948**	**1.0393**	**4.0200e-003**	**1.0748**	**2.9000e-003**	**1.0777**	**0.2752**	**2.6700e-003**	**0.2779**		**401.2804**	**401.2804**	**8.4400e-003**		**401.4914**

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Appendix D: Transportation Impact Analysis

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Mission Valley Community Plan Update

Transportation Impact Study

Draft Report

January 24, 2019

Prepared for:

The City of SAN DIEGO

Prepared by:

CHEN RYAN
3900 Fifth Avenue, Suite 310
San Diego, CA 92103

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1.0 Introduction

1.1 Purpose of the Report

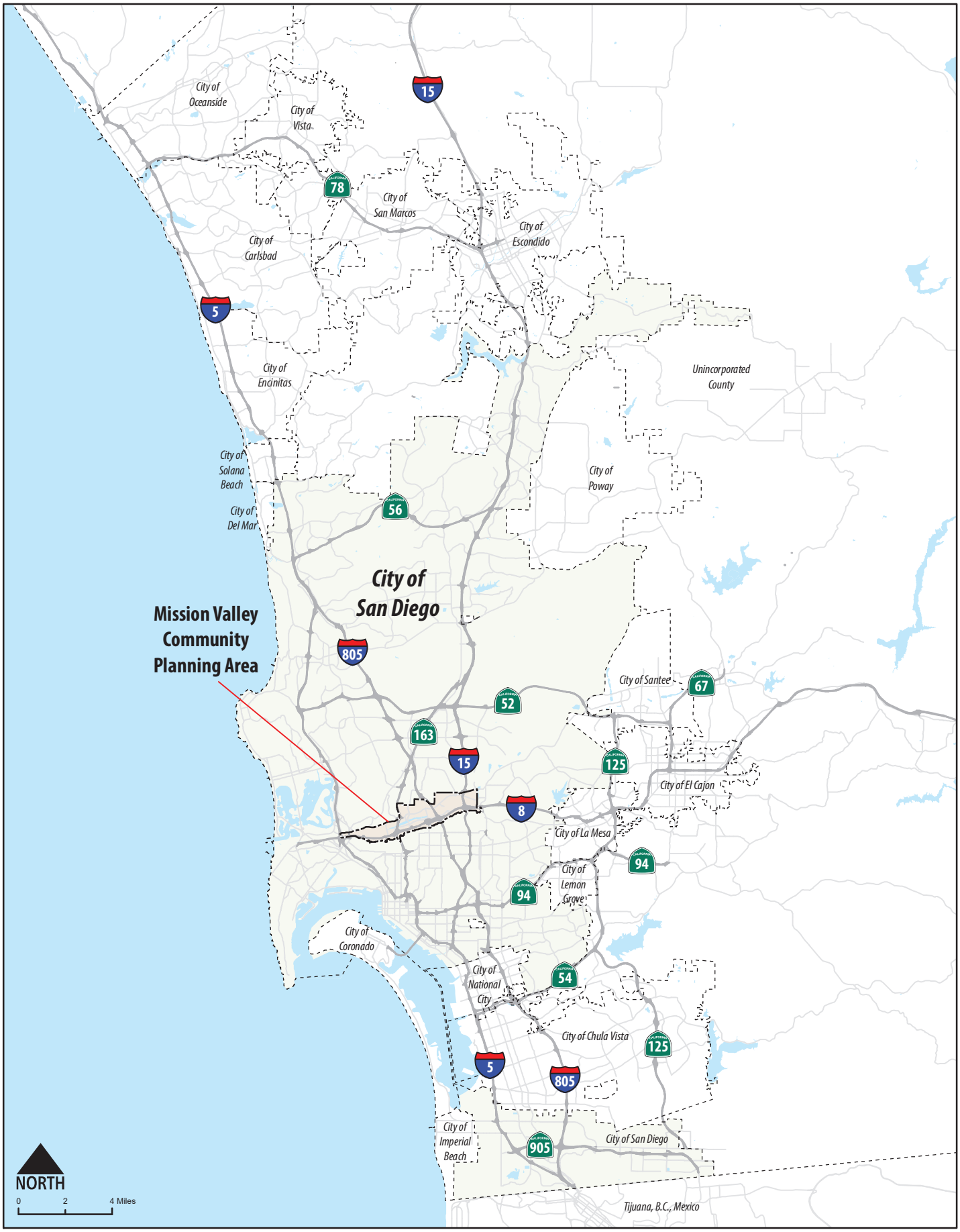
This Transportation Impact Study (TIS) serves to identify and document potential traffic impacts related to buildout of the proposed Mission Valley Community Plan Update land uses and mobility alternatives, as well as to recommend improvements/mitigation measures for any identified roadway, intersection, and freeway impacts, as appropriate.

Figure 1-1 displays Mission Valley's location in the San Diego Region.

Study Scenarios

Six (6) mobility scenarios were evaluated, including four alternatives based on the Mission Valley Community Plan Update land uses (CPU land uses). The six scenarios consist of the following:

- Existing – utilized to establish the existing (Year 2015-2016) baseline traffic operations within the project study area.
- Currently Adopted Community Plan (No-Project) – represents buildout of the Mission Valley currently Adopted Community Plan land uses and roadway network.
- Four-Lane Via Las Cumbres Alternative – represents buildout of the CPU land uses and proposed roadway network with Via Las Cumbres as a four-lane roadway. Improvements resulting in the roadway network were developed in collaboration with community members, city staff, and the project consultant team. Detailed network development process and recommendations can be found in Chapter 3 of the *Mobility Technical Report*.
- Two-Lane Via Las Cumbres Alternative – represents buildout of the CPU land uses and the Four-Lane Via Las Cumbres Alternative roadway network, except the Via Las Cumbres connection between Friars Road and Levi-Cushman Street "B" is proposed to have two travel lanes, Class II buffered bicycle lanes and painted median from Friars Road to Levi-Cushman Street B (with additional lanes at intersections as needed), grade separated from the trolley and bridge over the San Diego River; plus enhancements to Fashion Valley Road to raise it to the 15-year flood level with Class IV two-way cycle track.
- Cross-Valley Connection Alternative – represents buildout of the CPU land uses and Two-lane Via Las Cumbres Alternative proposed network except a new road (Street "J") connecting Friars Road to Hotel Circle South with two travel lanes, a painted median and Class II buffered bicycle lanes replaces Via Las Cumbres as the north-south connection west of Fashion Valley Road. This alternative provides for crossing under the MTS trolley tracks (in a manner similar to how Qualcomm Way and Mission Center Road cross under Friars Road), which eliminates the need for an elevated roadway within the core of the Mission Valley community. Like the Four-Lane and Two-Lane Via Las Cumbres alternatives, this alternative would require a bridge over the San Diego River, constructed to allow for the 100-year flood event.
- No-Connection Alternative – represents buildout of the proposed land uses and Four-lane Vas Cumbres Alternative roadway network, with the following two exceptions: the Fenton Parkway connection over the San Diego River to Camino del Rio North / Mission City Parkway and the Via Las Cumbres connection over the San Diego River and Interstate 8 were removed from the proposed roadway network.



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Figure 1-1
Mission Valley within the Region

All study alternatives were modeled using the calibrated SANDAG Series 13 Regional Model – Mission Valley Community Plan Update Subarea Model (the "Model"). This customized Model assumed buildout of the proposed Mission Valley land uses and the respective mobility networks for Mission Valley and Horizon Year 2050 land uses and transportation improvements for the rest of the San Diego region. Detailed modeling information and documentation can be found in Chapter 4 of the *Mobility Technical Report*.

For the purpose of traffic impact assessments, Plan-to-Ground analysis was conducted by comparing each of the future alternatives to the existing conditions.

1.2 Report Organization

The remainder of this report is organized into the following chapters:

2.0 *Analysis Methodology* – This chapter describes the methodologies and standards utilized to analyze roadway segment, intersection, freeway segment, and ramp metering traffic operation conditions.

3.0 *Existing Conditions* – This chapter describes the existing traffic network within the study area and provides traffic analysis results under the existing conditions.

4.0 *Currently Adopted Community Plan (No-Project)* – This chapter discusses the traffic operations under the currently Adopted Community Plan conditions and assesses potential traffic impacts by comparing the Adopted Community Plan to the existing conditions. Roadway and freeway segments were evaluated in determining traffic impacts associated with the currently Adopted Community Plan.

5.0 *Four-Lane Via Las Cumbres Alternative* – This chapter discusses the traffic operations under the Four-Lane Via Las Cumbres Alternative and assesses potential traffic impacts by comparing this alternative to existing conditions. Roadway segments, intersections, freeway segments, and ramp meters were evaluated in determining traffic impacts associated with the Four-Lane Via Las Cumbres Alternative. Mitigation measures for significant traffic impacts are identified, as necessary.

6.0 *Two-Lane Via Las Cumbres Alternative* –This chapter discusses the traffic operations under the Two-Lane Via Las Cumbres Alternative and assesses potential traffic impacts by comparing this alternative to existing conditions. Roadway and freeway segments, as well as intersections influenced by the Via Las Cumbres connection, were evaluated in determining traffic impacts associated with the Two-Lane Via Las Cumbres Alternative. Mitigation measures for significant traffic impacts are identified, as necessary.

7.0 *Cross-Valley Connection Alternative* – This chapter discusses the traffic operations under the Cross-Valley Connection Alternative conditions and assesses potential traffic impacts by comparing this alternative to existing conditions. Roadway and freeway segments were evaluated in determining traffic impacts associated with the Cross-Valley Connection Alternative. Mitigation measures for significant traffic impacts are identified, as necessary.

8.0 *No-Connection Alternative* – This chapter discusses the traffic operations under the No-Connection Alternative and assesses potential traffic impacts by comparing this alternative to existing conditions. Roadway and freeway segments were evaluated in determining traffic impacts associated with the No-Connection Alternative.

2.0 Analysis Methodology

This chapter describes the various methodologies utilized to analyze the transportation network within the Mission Valley Community Plan Update study area. Analysis of the vehicular systems roadways, intersections and freeways – were prepared for this study in accordance with the *City of San Diego Traffic Impact Study Guidelines* and the enhanced California Environmental Quality Act (CEQA) project review process.

2.1 Selection of the Study Area

This chapter describes the criteria utilized to identify the Community Plan Update study area. This is consistent with all recent community plan updates initiated by the City of San Diego.

Roadway Segments

All Mobility Element classified streets (existing, planned, and proposed), and approximately one segment beyond the Community Planning area were evaluated.

Intersections

All of the ramp intersections that provide access to the community, and intersections where each street meet one of the following conditions were evaluated:

- Four or more lanes;
- 3-lanes roadways carrying more than 15,000 ADT; or
- 2-lane roadways carrying more than 10,000 ADT.

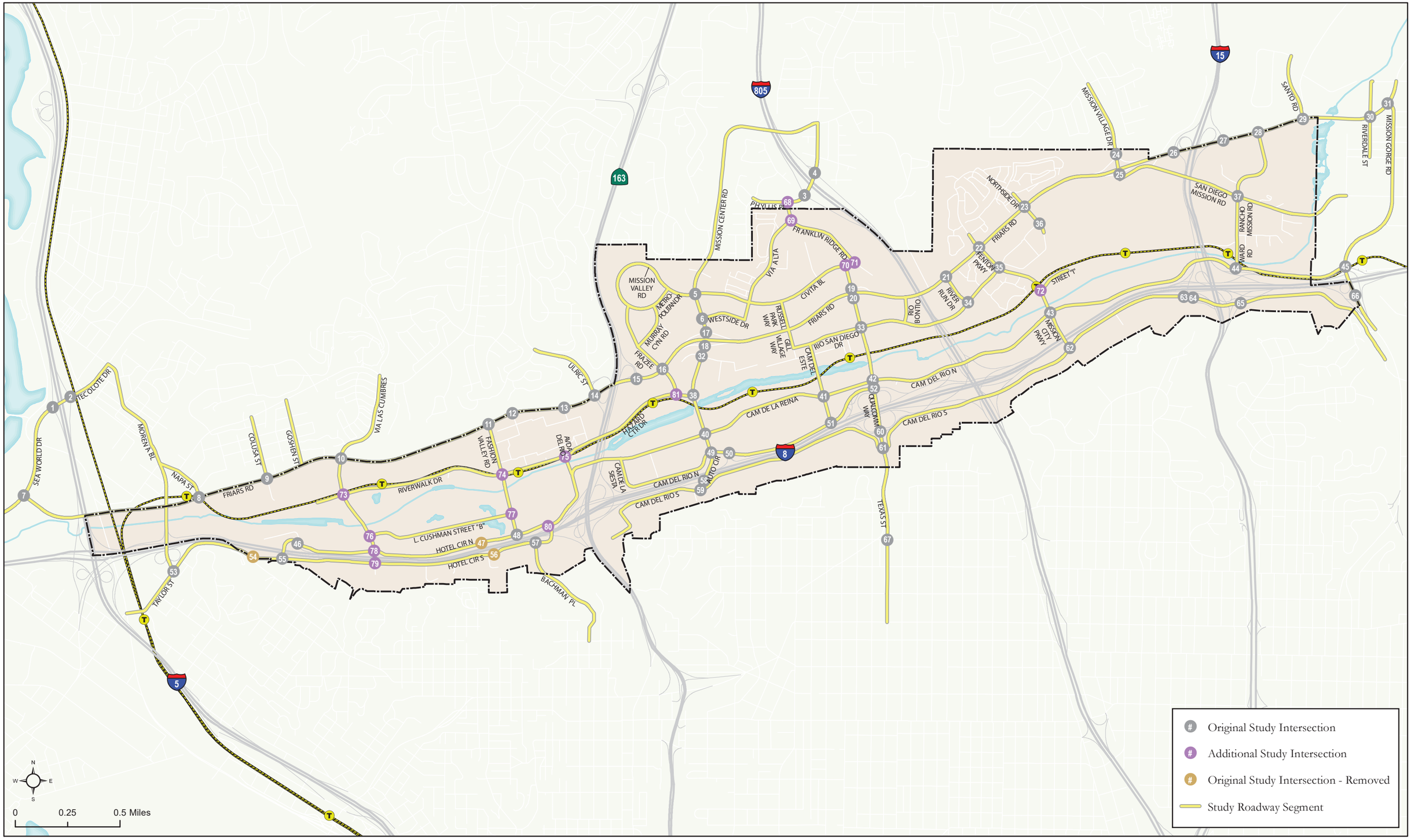
A total of 67 intersections were identified based on the criteria listed above under the existing conditions. Due to the increase in traffic volumes and new roadway connections, an additional 14 intersections were added under the future year conditions, for a total of 81 intersections. Figure 2-1 displays the location of these 81 study intersections.

Freeway Segments

All freeway segments within the Community Planning Area and one interchange beyond (approximately 25 freeway segments) were analyzed.

2.2 Level of Service Definitions

Analysis of the vehicular systems – roadways, intersections and freeways – was prepared for this study in accordance with City of San Diego Traffic Impact Study Guidelines. The vehicular analysis provides an evaluation of vehicular operations at intersections and along roadway and freeway segments. A description of the methodologies employed to evaluate vehicular travel is outlined throughout this chapter. Level of Service (LOS) is a quantitative measure representing the quality of service from the driver's perspective. LOS A represents optimal conditions for the driver, while LOS F represents the worst. Table 2.1 describes generalized definitions of vehicular LOS A through F.



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Figure 2-1
Mission Valley Project Study Area and Key Study Intersections

Table 2.1 Vehicular Level of Service Definitions

LOS	Characteristics
A	Primarily free-flow operation. Vehicles are completely unimpeded in their ability to maneuver within the traffic stream. Controlled delay at the boundary intersections is minimal. The travel speed exceeds 85% of the base free-flow speed.
B	Reasonably unimpeded operation. The ability to maneuver within the traffic stream is only slightly restricted and control delay at the boundary intersections is not significant. The travel speed is between 67% and 85% of the base free-flow speed.
C	Stable operation. The ability to maneuver and change lanes at mid-segment locations may be more restricted than at LOS B. Longer queues at the boundary intersections may contribute to lower travel speeds. The travel speed is between 50% and 67% of the base free-flow speed.
D	Less stable condition in which small increases in flow may cause substantial increases in delay and decreases in travel speed. This operation may be due to adverse signal progression, high volume, or inappropriate signal timing at the boundary intersections. The travel speed is between 40% and 50% of the base free-flow speed.
E	Unstable operation and significant delay. Such operations may be due to some combination of adverse signal progression, high volume, and inappropriate signal timing at the boundary intersections. The travel speed is between 30% and 40% of the base free-flow speed.
F	Flow at extremely low speed. Congestion is likely occurring at the boundary intersections, as indicated by high delay and extensive queuing. The travel speed is 30% or less of the base free-flow speed. Also, LOS F is assigned to the subject direction of travel if the through movement at one or more boundary intersections have a volume-to-capacity ratio greater than 1.0.

Source: Highway Capacity Manual, Transportation Research Board (2010)

Roadway Segment Analysis

Roadway segment level of service standards and thresholds provided the basis for analysis of arterial roadway segment performance. The analysis of roadway segment level of service is based on the functional classification of the roadway, the maximum capacity, roadway geometrics, and existing or forecast Average Daily Traffic (ADT) volumes. Table 2.2 presents the roadway segment capacity and LOS standards utilized to analyze roadways evaluated in this report.

These standards are generally used as long-range planning guidelines to determine the functional classification of roadways. The actual capacity of a roadway facility varies according to its physical and operational attributes. LOS D is considered acceptable for Mobility Element roadway segments in the City of San Diego.

Table 2.2 City of San Diego Roadway Segment Daily Capacity and Level of Service Standards

Roadway Functional Classification	Lanes	Level of Service				
		A	B	C	D	E
Freeway	8	60,000	84,000	120,000	140,000	150,000
Freeway	6	45,000	63,000	90,000	110,000	120,000
Freeway	4	30,000	42,000	60,000	70,000	80,000
Expressway	6	30,000	42,000	60,000	70,000	80,000
Prime Arterial	8	35,000	50,000	70,000	75,000	80,000
Prime Arterial	6	25,000	35,000	50,000	55,000	60,000
Major Arterial	7	22,500	31,500	45,000	50,000	55,000
Major Arterial	6	20,000	28,000	40,000	45,000	50,000
Major Arterial	5	17,500	24,500	35,000	40,000	45,000
Major Arterial	4	15,000	21,000	30,000	35,000	40,000
Major Arterial	3	11,250	15,750	22,500	26,250	30,000
Major Arterial	2	7,500	10,500	15,000	17,500	20,000
Major Arterial (one-way)	3	12,500	16,500	22,500	25,000	27,500
Major Arterial (one-way)	2	10,000	13,000	17,500	20,000	22,500
Collector (w/ two-way Left-Turn lane)	4	10,000	14,000	20,000	25,000	30,000
Collector (w/ two-way Left-Turn lane)	3	7,500	10,500	15,000	18,750	22,500
Collector (w/ two-way Left-Turn lane)	2	5,000	7,000	10,000	13,000	15,000
Collector (w/o two-way Left-Turn lane)	4	5,000	7,000	10,000	13,000	15,000
Collector (w/o two-way Left-Turn lane)	3	4,000	5,000	7,500	10,000	11,000
Collector (w/o two-way Left-Turn lane)	2	2,500	3,500	5,000	6,500	8,000
Collector (w/o two-way Left-Turn lane) – no fronting property	2	4,000	5,500	7,500	9,000	10,000
Collector (one-way)	3	11,000	14,000	19,000	22,500	26,000
Collector (one-way)	2	7,500	9,500	12,500	15,500	17,500
Collector (one-way)	1	2,500	3,500	5,000	6,500	7,500
Sub-Collector (single-family)	2	-	-	2,200	-	-

Source: City of San Diego Traffic Impact Study Manual (1998)
Updated with input from City of San Diego Planning Department Mobility Staff (2017)

Peak Hour Intersection Level of Service Standards and Thresholds

This chapter presents the methodologies used to perform peak hour intersection capacity analysis, for both signalized and unsignalized intersections. The following assumptions were utilized in conducting all intersection level of service analyses:

- *Pedestrian Calls per Hour*: Existing pedestrian counts utilized under the existing conditions; and an assumption of 20 pedestrian calls per hour utilized for future year analyses.
- *Heavy Vehicle Factor*: A 2% heavy vehicle factor was assumed for all intersections within the study area. 2% is the standard, default heavy vehicle factor provided in HCM and Synchro 10.0 software. This number was compared to vehicle classification count data collected in support of this project, which demonstrated most segments have a heavy vehicle factor of 2% or less. Appendix A provides all roadway, intersection, and freeway-related count data, including the heavy vehicle percentage along segments where vehicle classification data was collected.
- *Peak Hour Factor*: 0.95 or obtained from existing peak hour counts, whichever is greater.

- *Signal Timing*: Obtained from existing signal timing plans (as of September 2015). Traffic signal timing and freeway ramp metering rates are included as Appendix B. All traffic signals were assumed to be optimized in future year analyses.

Signalized Intersection Analysis

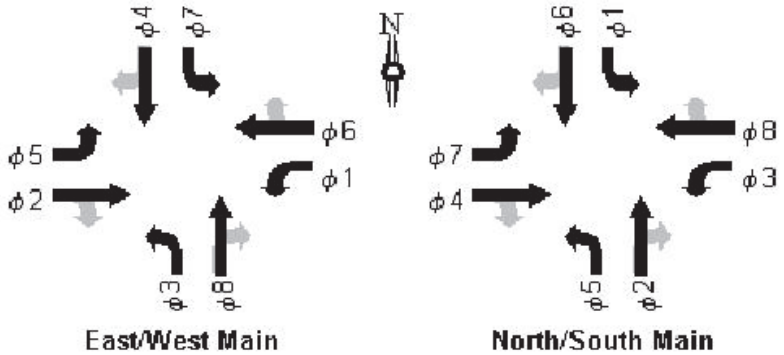
The signalized intersection analysis utilized in this study conforms to the operational analysis methodology outlined in *Highway Capacity Manual (HCM) 2010*. This method defines LOS in terms of delay, or more specifically, average control delay per vehicle (seconds/vehicle).

The *HCM 2010* methodology sets 1,900 passenger-cars per hour per lane (pcphpl) as the ideal saturation flow rate at signalized intersections based upon the minimum headway that can be sustained between departing vehicles at a signalized intersection. The service saturation flow rate, which reflects the saturation flow rate specific to the study facility, is determined by adjusting the ideal saturation flow rate for lane width, on-street parking, bus stops, pedestrian volume, traffic composition (or percentage of heavy vehicles), and shared lane movements (e.g. through and right-turn movements sharing the same lane). The LOS criteria used for this technique are described in Table 2.3. The computerized analysis of intersection operations was performed utilizing the *Synchro 10.0 (2010 HCM 2010 methodology)* traffic analysis software (by Trafficware, 2018).

Table 2.3 Signalized Intersection Level of Service HCM Operational Analysis Method

Average Control Delay Per Vehicle (seconds)	Level of Service (LOS) Characteristics
≤10.0	*LOS A* occurs when the volume-to-capacity ratio is low and either progression is exceptionally favorable or the cycle length is very short. If it is due to favorable progression, most vehicles arrive during the green indication and travel through the intersection without stopping.
10.1 – 20.0	*LOS B* occurs when the volume-to-capacity ratio is low and either progression is highly favorable or the cycle length is short. More vehicles stop than with LOS A.
20.1 – 35.0	*LOS C* occurs when progression is favorable or the cycle length is moderate. The number of vehicles stopping is significant, although many vehicles still pass through the intersection without stopping.
35.1 – 55.0	*LOS D* occurs when the volume-to-capacity ratio is high and either progression is ineffective or the cycle length is long. Many vehicles stop and individual cycle failures are noticeable.
55.1 – 80.0	*LOS E* occurs when the volume-to-capacity ratio is high, progression is unfavorable, and the cycle length is long. Individual cycle failures are frequent.
>80.0	*LOS F* occurs when the volume-to-capacity ratio is very high, progression is very poor, and the cycle length is long. Most cycles fail to clear the queue.

Source: Highway Capacity Manual, Transportation Research Board (2010)



The HCM 2010 analysis methodology requires strict adherence to standard dual ring National Electrical Manufacturers Association (NEMA) phasing. Conflicting phase overlaps, clustered intersections, or other non-compliant phasing sequences cannot be analyzed using this method. Based upon geometry and phasing per their respective signal timing sheets, the following intersections did not adhere to standard NEMA phasing (as seen in the previous figure):

1. I-5 SB Ramps & Sea World Drive (de-facto free southbound right-turn lane)
8. Napa Street & Friars Road (exclusive pedestrian phase)
25. Friars Road EB & Mission Village Drive (cluster intersections)
42. Qualcomm Way & Camino De La Reina (cluster intersection)
52. Qualcomm Way & I-8 WB Off-Ramp (cluster intersection)
58. Mission Center Road & I-8 EB Ramps (cluster intersection with off-set signal phasing)
59. Mission Center Road & Camino Del Rio South (cluster intersection with off-set signal phasing)
63. I-15 SB Off-Ramp & Camino Del Rio South (cluster intersection)
64. I-15 SB On-Ramp & Camino Del Rio South (cluster intersection)
66. Fairmount Avenue & I-8 EB Off-Ramp (de-facto free eastbound right-turn approach and U-turn overlap)

Adjustments in geometric configuration, phasing, and signal timing were implemented in order to utilize the HCM 2010 methodology. Appendix C provides detailed information on the aforementioned adjustments.

Unsignalized Intersection Analysis

Unsignalized intersections, including two-way and all-way stop controlled intersections were analyzed using the *HCM 2010* unsignalized intersection analysis methodology. The Synchro 10.0 software supports this methodology and was utilized to produce LOS results. The LOS for a side street stop controlled (SSSC) intersection is determined by the computed or measured control delay and is defined for each minor movement. The LOS for an all-way stop controlled (AWSC) intersection is determined by the computed or measured average control delay of all movements. Table 2.4 summarizes the level of service criteria for unsignalized intersections. Consistent with City policy, LOS E was used in this study as the minimum acceptable LOS for peak hour intersection operations. Queuing analysis was also conducted at all of the study area off-ramps, congested and/or closely spaced intersections, and each metered freeway on-ramp during peak hours.

Table 2.4 Level of Service Criteria for Stop Controlled Unsignalized Intersections

Average Control Delay (sec/veh)	Level of Service (LOS)
≤10.0	A
10.1 – 15.0	B
15.1 – 25.0	C
25.1 – 35.0	D
35.1 – 50.0	E
>50.0	F

Source: Highway Capacity Manual, Transportation Research Board (2010)

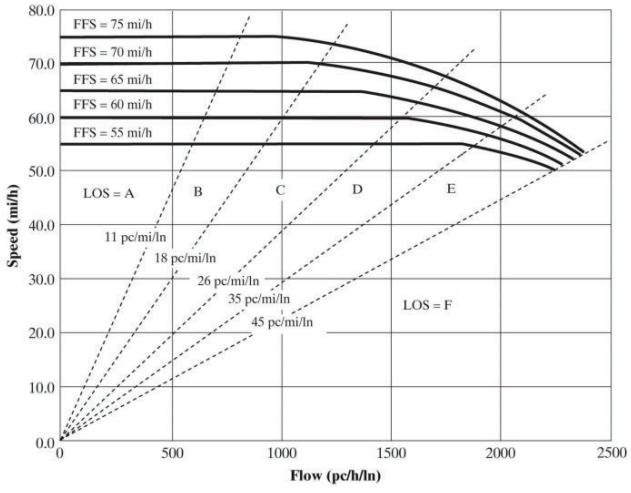
Freeway/State Highway Level of Service Standards and Thresholds

Freeway LOS analysis is based upon procedures developed by Highway Capacity Manual 2010. The procedure for calculating freeway LOS involves estimating the vehicle speed (mi/h) and density/flow (pc/mi/ln).

HCS 2010 software, developed by McTrans, was used to calculate both the vehicle speed and density/flow along the study area freeway segments. The HCS 2010 software required the following inputs to complete the speed and density/flow calculations:

- AADT – Caltrans Traffic Census 2015 AADT Volumes Report
- K (peak hour percentage) – Caltrans Traffic Census 2015 AADT Volumes Report
- D (directional split) – Caltrans Traffic Census 2015 AADT Volumes Report
- $AADT_{adj}$ – Calculated using AADT and D values provided by Caltrans using the following equation:
  - $AADT_{adj} = (\frac{D}{1-D})AADT$
  - represents the direction in the opposite direction of the Peak Direction
- PHF – Assumed to be a typical value of 0.95
- P_T (% Trucks and Busses) – Caltrans Traffic Census 2015 AADT Truck Volumes Report
- P_R (% RVs) – Assumed to be 0, HCM 2010 recommends grouping RV volumes with Trucks in Buses as the value is assumed less than a 5:1 ratio
- General Terrain – Assumed to be less than 2% grade and therefore Level Terrain (HCM 2010 11-16,17)
- f_p – Driver population factor assumed one as traffic is largely commuter traffic
- E_T – Value of 1.5 as terrain is Level (HCM 2010 11-15)
- E_R – Value of 1.2 as terrain is Level (HCM 2010 11-15)
- Lane Width – Assumed 12' maximum value by Google Earth survey
- Rt-Side Lat. Clearance – Assumed 6' maximum value by Google Earth survey
- Total Ramp Density, TRD – Found in the Caltrans Traffic Census 2015 AADT Ramp Volumes Report
  - Density calculated by total number of on/off ramps in single direction within segment length plus 3 miles in both directions, divided by the total length
- Base free-flow Speed, BFFS – Assumed 75.4 mph (HCM 2010 11-11)

Using the calculated freeway speed and density/flow, the LOS is determined using the chart to the right:



Ramp Metering Analysis

Ramp metering is a means of controlling the volume of traffic entering the freeway with the goal of improving the traffic operations and flow on the freeway main lanes. Freeway ramp meter analysis estimates the peak hour queues and delays at freeway ramps by comparing existing volumes to the meter rate at the given location. The excess demand, if any, forms the basis for calculating the maximum queues and maximum delays anticipated at each location. Substantial queues and delays can form where demand significantly exceeds the meter rate. This approach assumes a static meter rate throughout the course of the peak hour. However, Caltrans has indicated that the meter rates are continually adjusted based on the level of traffic using the on-ramp. To the extent possible, the meter rate is set such that the queue length does not exceed the available storage, smooth flow on the freeway mainline is maintained, and there is no interference to arterial traffic.

If the proposed CPU would cause a metered ramp to experience 15 minutes per vehicle or higher delay and the proposed CPU increases its delay by more than 2 minutes per vehicle if the downstream freeway segment operates at LOS E, or more than 1 minute per vehicle if the downstream freeway segment operates at LOS F, this would be considered a significant impact.

2.3 Determination of Significant Impacts

This chapter outlines the thresholds for determining significant project-related impacts to roadways, intersections, and freeways in the City of San Diego. Generally, a significant impact is identified when the addition of project traffic results in a level of service LOS E or F and exceeds the allowable change shown in Table 2.6.

Table 2.6 City of San Diego Measures of Significant Project Traffic Impacts

LOS with Project	Allowable Change Due to Impact					
	Freeways		Roadway Segments		Intersections	Ramp Metering*
	V/C	Speed (mph)	V/C	Speed (mph)	Delay (sec)	Delay (min)
E	0.01	1.0	0.02	1.0	2.0	2.0
F	0.005	0.5	0.01	0.5	1.0	1.0

Source: CEQA Significance Determination Thresholds, City of San Diego Development Services Department (2016)

Note:
* For metered freeway ramps, LOS does not apply. However, ramp meter delays above 15 minutes are considered excessive.

3.0 Existing Conditions

This chapter describes study area roadway segments, intersections, and freeway segments within the study area, as well as existing traffic operations. Level of service analysis results for all study area facilities under Existing Conditions are presented separately below.

3.1 Roadway Segment Analysis

Chapter 2.1 documents the selection of study area including all existing, planned, and proposed Mobility Element roads within Mission Valley, as well as roadways outside the boundary of the Mission Valley community due to their location within the sphere of influence and will be required for the environmental studies. Figure 3-1 displays the existing functional classifications of study area roadway segments. A description of each study roadway under the existing conditions is provided below and on the following pages.

East-West Roadways

Phyllis Place is a two-lane roadway with a striped median between the I-805 northbound ramps and the I-805 southbound ramps. Sidewalk is present on the north side of the roadway. A Class III bike route is provided. Parking is permitted on both sides of the roadway. Speed limits are not posted.

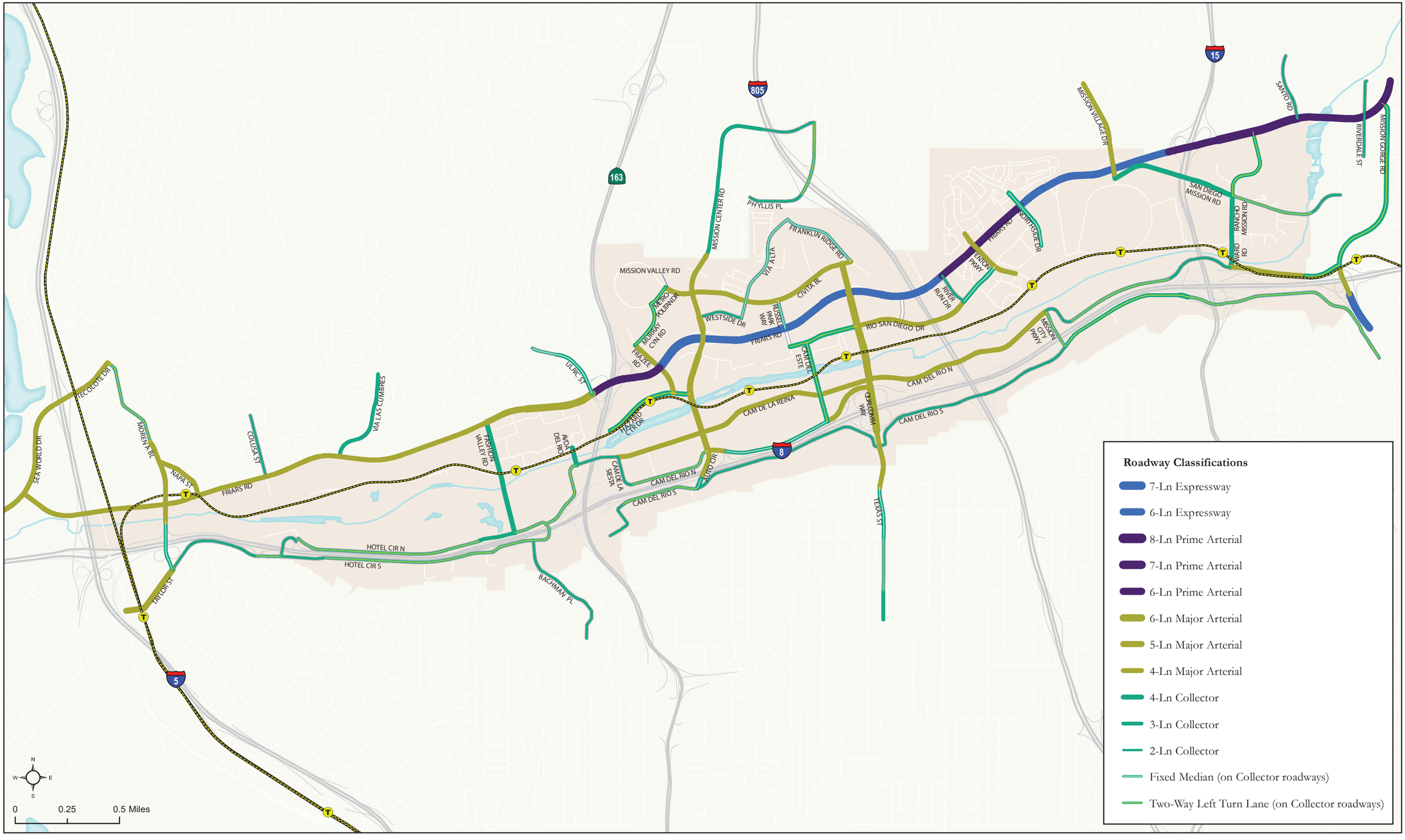
Sea World Drive is a four-lane roadway. Between Mission Bay Parkway and Friars Road, a raised median is present. Class II bicycle facilities are present on both sides of the roadway along this segment. Sidewalks are not present along this segment. Between Friars Road and the I-5 southbound ramps, Sea World Drive has a striped median. Sidewalks are present along the south side of the roadway. On-street parking is prohibited. Speed limits are not posted.

Tecolote Road is a four-lane roadway with a raised median. Class II bicycle facilities and sidewalks are present on both sides of the roadway. On-street parking is prohibited on both sides of Tecolote Road. Speed limits are not posted.

Mission Valley Road is a four-lane roadway with a raised median and a posted speed limit of 25 mph between Metropolitan Drive and Mission Center Road. Sidewalks and Class II bicycle facilities are present on both sides of the roadway. Parking is prohibited on both sides of the roadway. MTS routes 25 and 928 run along the roadway between Metropolitan Drive and Mission Center Road.

Civita Boulevard is a four-lane roadway with a landscaped raised median and no posted speed limit. Sidewalks, as well as Class II bicycle facilities, are present on both sides of the roadway. Parallel parking is permitted on both sides of the roadway.

Westside Drive is a two-lane undivided roadway with a posted speed limit of 25 mph. Sidewalks are present on both sides of the roadway, and no bicycle facilities are provided. Parallel and angled parking is permitted on both sides of the roadway.



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Figure 3-1
Existing Roadway Functional Classification

Friars Road is a four-lane roadway with a striped median and a posted speed limit of 55 mph between Sea World Drive and Napa Street. East of Napa Street, Friars Road becomes a four-lane roadway with a raised median and a posted speed limit of 45 mph until reaching Colusa Street. East of Colusa Street, Friars Road continues as a four-lane roadway, but its median varies between a center left-turn lane and a striped median until reaching Via Las Cumbres. East of Via Las Cumbres, Friars Road is a four-lane roadway with a center left-turn lane and a posted speed limit of 45 mph until reaching Fashion Valley Road. East of Fashion Valley Road, Friars Road transitions to a five-lane roadway with a raised median and a posted speed limit of 45 mph until reaching Avenida De Las Tiendas. East of Avenida De Las Tiendas, Friars Road transitions into a six-lane roadway with a raised median and no posted speed limit until reaching the SR-163 northbound ramps. East of the SR-163 northbound ramps, Friars Road is a six-lane roadway with a raised median and posted speed limit of 45 mph until reaching Frazee Road. East of Frazee Road, Friars Road is an eight-lane roadway with a striped median for approximately 1,500 feet, then its median transitions into a K-Rail median, and finally changes into a striped median approximately 1,600 feet before reaching Qualcomm Way. East of Qualcomm Way, Friars Road becomes a seven-lane roadway with a raised median until reaching Rio Bonito Drive, then narrowing to 6 lanes until Northside Drive. East of Northside Drive, Friars Road continues as a seven-lane roadway, and its median transitions from a raised median to a K-Rail median until reaching the I-15 southbound ramps. East of the I-15 southbound ramps, Friars Road has a striped median and a posted speed limit of 45 mph until reaching Santo Road. East of Santo Road, Friars Road is a six-lane roadway with a raised median and a posted speed limit of 45 mph until reaching its eastern terminus at Mission Gorge Road. Sidewalks are present on both sides of the roadway along the entire extent of Friars Road between Sea World Drive and Mission Gorge Road, with the exception of approximately 577 feet on each side of the road to the east of Sea World Drive, a section near Ulric Street and the SR-163 southbound ramps where sidewalks are only present along the south side of the roadway, expressway segments where sidewalks follow expressway exits, and between Mission Village Drive and the I-15 southbound ramps where sidewalks are not present. Bicycle facilities are present along Friars Road, including a two-way Cycle Track on the south side of the roadway between Sea World Drive and approximately 900 feet west of Fashion Valley Road, as well as Class II bicycle facilities intermittently present on both sides of the roadway. Parking is generally prohibited along the roadway, with some exceptions between Sea World Drive and Ulric Street/SR-163 southbound ramps. MTS bus route 14 runs along Friars Road between Rancho Mission Road and Mission Gorge Road. Additionally, several transit routes run between Fashion Valley Road and SR-163 to access the freeway, such as route 20 and 41. Route 120 runs between Fashion Valley Road and Ulric Street, and Routes 25 and 928 run between Fashion Valley Road and Frazee Road.

Mission Gorge Road is a six-lane roadway with a center left-turn lane between Friars Road and Zion Avenue. On-street parking is prohibited on both sides of the roadway. Sidewalks are present on both sides of the roadway. Class II bicycle facilities are present along the north side of the roadway.

Hazard Center Drive is a four-lane roadway. The median varies between a striped median and a raised median, with no posted speed limit, between its western terminus and Frazee Road. East of Frazee Road, Hazard Center Drive is a four-lane roadway with a raised median and no posted speed limit. Sidewalks are present on both sides of the roadway, but no bicycle facilities are provided. Parking is permitted on both sides of the roadway. This is based on 2015 conditions; Hazard Center Drive is currently under construction.

Rio San Diego Drive is a four-lane roadway with a posted speed limit of 40 mph. The roadway has a raised median between Gill Village Way and Qualcomm Way. East of Qualcomm Way, Rio San Diego Drive is a four-lane roadway with a raised median for approximately 477 feet, after which its median transitions to a center left-turn lane, then to a raised median, until reaching its eastern terminus at Fenton Parkway.

Sidewalks are present on both sides of the roadway. Class II bicycle facilities are present on both sides of the roadway between Gill Village Way and Qualcomm Way. Parking is prohibited between Gill Village Way and Qualcomm Way, but generally permitted between Qualcomm Way and Fenton Parkway.

San Diego Mission Road is a four-lane undivided roadway with a posted speed limit of 40 mph between Mission Village Drive and Rancho Mission Road. East of Rancho Mission Road, San Diego Mission Road is a two-lane roadway with a center left-turn lane and a posted speed limit of 35 mph, until reaching its eastern terminus at Fairmount Avenue. Sidewalks are present intermittently on both sides of the roadway. Class II bicycle facilities are present on both sides of the roadway east of Rancho Mission Road. Parking is intermittently permitted along San Diego Mission Road. MTS route 14 runs along this roadway between Friars Road and the southern terminus of the road, where the roadway's name changes to Ward Road.

Taylor Street is a five-lane roadway with a striped median between Pacific Highway and Morena Boulevard with a posted speed of 35 mph. Sidewalks are present on both sides of the roadway in this segment, although bicycle facilities are not present. Between Morena Boulevard and Hotel Circle South, Taylor Street reduces to a two-lane roadway with a striped median. Class II bicycle facilities are present on the south side of the road between Morena Boulevard and the I-8 eastbound ramps. There are no sidewalks present east of Morena Boulevard. On-street parking is prohibited along Taylor Street. MTS routes 44, 88 and 105 run along the roadway between the Old Town Transit Center and Morena Boulevard, whereas route 88 continues to run along Taylor Street to the roadway's terminus at Hotel Circle South.

Hotel Circle North is a two-lane roadway with a center left-turn lane and a posted speed limit of 35 mph between Hotel Circle Place and the I-8 westbound ramps. East of the I-8 westbound ramps, Hotel Circle North is a two-lane undivided roadway with a posted speed limit of 35 mph until reaching Fashion Valley Road. East of Fashion Valley Road, Hotel Circle North is a two-lane roadway with a center left-turn lane until reaching its terminus at Camino De La Reina. Sidewalks are present only on the north side of the roadway, with an exception east of Fashion Valley Road, where approximately 800 feet of sidewalk is missing. Class II bicycle facilities are present on both sides of the roadway between Hotel Circle Place and the I-8 westbound ramps. Parking is prohibited along the entire extent of the roadway. Several transit routes run along Hotel Circle North between the I-8 westbound ramps and Fashion Valley Road to access the Fashion Valley Transit Center, such as routes 20 and 120. In addition, route 88 runs along the entirety of the roadway.

Camino De La Reina is a two-lane roadway with a center left-turn lane and a posted speed limit of 25 mph between Hotel Circle North and Avenida Del Rio. East of Avenida Del Rio, Camino De La Reina continues to be a two-lane roadway with a posted speed limit of 30 mph, but transitions to a striped median for approximately 300 feet, before transitioning to a raised median before reaching Camino De La Siesta. East of Camino De La Siesta, Camino De La Reina is a four-lane roadway with a raised median and a posted speed limit of 35 mph until reaching Mission Center Road. East of Mission Center Road, Camino De La Reina is a four-lane undivided roadway for approximately 930 feet, before its median transitions to a raised median prior to reaching Park In The Valley Driveway. East of Park In The Valley Driveway, Camino De La Reina continues as a four-lane roadway with a raised median. Sidewalks are present along both sides of the roadway, although there are no bicycle facilities. On-street parking is generally permitted east of Camino De La Siesta. MTS bus route 6 runs along Camino De La Reina between Avenida Del Rio and Camino Del Este in both directions, as well as between Camino Del Este and Qualcomm Way in the eastbound direction.

Camino Del Rio North is a two-lane roadway between Camino De La Siesta and Mission Center Road. Between Mission Center Road and the I-8 westbound ramps, Camino Del Rio North becomes a four-lane

road. Between the I-8 westbound ramps and Camino Del Este, Camino Del Rio North becomes a three-lane road. Between Camino Del Este and Mission City Parkway, Camino Del Rio South becomes a four-lane roadway, before reducing to two lanes until Ward Road. Between Ward Road and Fairmount Avenue, Camino Del Rio North expands again to four lanes. Camino Del Rio South has a raised median between Camino De La Siesta and Mission City Parkway, and alternates between a striped median and a center left-turn lane between Mission City Parkway and Fairmount Avenue. A posted speed limit of 35 mph is present at the I-8 westbound ramps, with an increase to 45 mph at Qualcomm Way. On-street parking is prohibited, except between Camino De La Siesta and Mission Center Road. Sidewalks are located along the north side of the road between Camino De La Siesta and the I-8 westbound ramps, Camino Del Este and Qualcomm Way, and from approximately 800 feet east of Mission City Parkway to Fairmount Avenue. Sidewalks also exist along both sides of the road between Qualcomm Way and Mission City Parkway. Class II bicycle facilities are intermittent as well, and are present along both sides of the roadway between Qualcomm Way and Mission City Parkway, and from approximately 1,800 feet West of Ward Road to Fairmount Avenue. Class III sharrows are present between Camino Del Rio North and 1,800 feet west of Ward Road. MTS bus route 6 runs along Camino Del Rio North between Camino Del Este and Qualcomm way in the eastbound direction. MTS route 14 runs along the roadway between Ward Road and the Grantville Trolley Station. Additionally, route 18 runs along the roadway between the Grantville Trolley Station and Mission City Parkway in the westbound direction, as well as between Qualcomm Way and Mission City Parkway in the eastbound direction.

Hotel Circle South is a two-lane undivided roadway with a posted speed limit of 35 mph between the I-8 over-cross and approximately 1,270 feet to the east, where Hotel Circle South becomes a two-lane roadway with a center left-turn lane until reaching its eastern terminus at Hotel Circle North. Sidewalks are present only on the south side of the roadway, with the exception of between the I-8 over-cross and approximately 1,270 feet to the east, where sidewalks are missing. Pavement markings indicating a Class III bicycle route are present between the I-8 overpass and the I-8 westbound ramps. East of the I-8 westbound ramps, Class II bicycle facilities are present on both sides of the roadway. Parking is generally prohibited on both sides of the roadway, aside from a short segment west of the I-8 eastbound ramps. Several transit routes run along the roadway between Hotel Circle North and the I-8 eastbound ramps to access the freeway, such as routes 20 and 120. In addition, route 88 runs along the entirety of the roadway.

Camino Del Rio South is a predominantly two-lane roadway, which widens to three lanes between Mission City Parkway and the I-15 southbound off-ramp. Camino Del Rio South widens to four lanes between the I-15 southbound off-ramp and the I-15 southbound on-ramp, and narrows to two lanes between the I-15 southbound on-ramp and Fairmount Avenue. Camino Del Rio South has a center left-turn lane from approximately 1,800 feet west of Mission Center Road/Auto Circle to Mission Center Road/Auto Circle, and from Mission City Parkway ramp to Fairmount Avenue. Camino Del Rio South has a posted speed limit of 25 mph between its western terminus and approximately 1,800 feet west of Mission Center Road. There is a posted speed of 35 mph between Mission Center Road and Mission City Parkway, a posted speed of 45 mph between Mission City Parkway and the I-15 southbound off-ramp, and a posted speed of 40 mph between the I-15 southbound off-ramp and Fairmount Avenue. On-street Parking is allowed along the south side of the roadway between approximately 1,800 feet west of Mission Center Road and Texas Street, between Mission City Parkway and the I-15 southbound off-ramp, and between the I-15 southbound on-ramp and Fairmount Avenue. Sidewalks are present along the south side of the entire roadway, and are present on both sides of the roadway between the western terminus of Camino Del Rio South and approximately 1,800 feet west of Mission Center Road. Bicycle facilities are not provided, except between Mission Center Road and Texas Street, where Class II bicycle facilities are present on both sides of the roadway.

North-South Roadways

Morena Boulevard is a two-lane roadway with a center left-turn lane and a posted speed limit of 35 mph between Tecolote Road and West Morena Boulevard. Between West Morena Boulevard and the I-8 westbound off-ramps, Morena Boulevard widens to four lanes and has a raised median, with a posted speed limit of 40 mph. Morena Boulevard narrows to three lanes south of the I-8 westbound off-ramps, with two northbound lanes and one southbound lane. On-street parking is only permitted between Tecolote road and West Morena Boulevard. Sidewalks and Class II bicycle facilities are present on both sides of the roadway, although the I-5 overpass lacks bicycle facilities. MTS routes 44 and 105 run along the roadway between Taylor Street and Linda Vista Road, whereas route 105 continues along the roadway to Milton Street, north of Tecolote Road.

Napa Street is a four-lane roadway with a striped median and a posted speed limit of 25 mph. On-street parking is permitted on both sides of the roadway. Sidewalks are present on both sides of the roadway, but there are no bicycle facilities.

Colusa Street is a two-lane roadway with a striped median and a posted speed limit of 25 MPH. On-street parking is permitted on both sides of the roadway. Sidewalks are present on both sides of the roadway, but there are no bicycle facilities.

Via Las Cumbres is a three-lane roadway with two northbound lanes, one southbound lane, and a striped median. A speed limit is not posted in the segment studied, between Linda Vista Road and Friars Road. On-street parking is permitted on both sides of the roadway. Sidewalks are present on both sides of the roadway, although segments are missing along the east side of the roadway. Class II bicycle facilities are present on the east side of the roadway.

Fashion Valley Road is a four-lane roadway with a striped median. A speed limit is not posted. On-street parking is not permitted. Sidewalks are present on both sides of the roadway. There are no bicycle facilities present. Fashion Valley Road is used by many transit routes to access the Fashion Valley Transit Center, including routes 20, 25, 41, 88, 120, and 928.

Bachman Place is a two-lane undivided roadway with a posted speed limit of 40 mph. Sidewalks are present along the west side of the roadway. On-street parking is permitted on the west side of the roadway only. There are no bicycle facilities present.

Avenida Del Rio is a four-lane roadway with a center left-turn lane and no posted speed limit. On-street parking is not permitted. Sidewalks are present along the along both sides of the roadway, although sections are missing along the east side. There are no bicycle facilities present. The roadway is used by MTS bus route 6 to access the Fashion Valley Transit Center.

Ulric Street is three-lane roadway with two northbound lanes and one southbound lane and a striped median between Friars Road and approximately 600 feet south of Fashion Hills Boulevard. North of that point, Ulric Street narrows to a two-lane roadway. Ulric Street has a posted speed limit of 40 mph. On-street parking is not permitted. Sidewalks are present along the west side of the roadway, and Class II bicycle facilities are present on both sides of the roadway. MTS route 120 runs along this roadway between Friars Road and Linda Vista Road.

Camino De La Siesta is a two-lane undivided roadway with a posted speed limit of 25 mph. On-street parking is generally permitted on both sides of the roadway. Sidewalks are present on both sides of the roadway, although there are no bicycle facilities present.

Metropolitan Drive is a three-lane roadway with two northbound lanes and one southbound lane. A center left-turn lane is present. There is a posted speed limit of 25 mph. On-street parking is permitted on both sides of the roadway. Sidewalks are present on both sides of the roadway, although there are no bicycle facilities present. MTS routes 25 and 928 run along Metropolitan Drive, between Murray Canyon Road and Mission Valley Road.

Murray Canyon Road is a three-lane roadway with two northbound lanes and one southbound lane. A center left-turn lane is present. There is no posted speed limit. On-street parking is permitted on both sides of the roadway. Sidewalks are present on both sides of the roadway, although there are no bicycle facilities present. MTS routes 25 and 928 run along Murray Canyon Road between Frazee Road and Metropolitan Drive.

Frazee Road is a four-lane roadway with a raised median and no posted speed limit. On-street parking is intermittently permitted on both sides of the roadway. Sidewalks are present on both sides of the roadway. There are no bicycle facilities present. MTS routes 25 and 928 runs along Frazee Road between Friars Road and Murray Canyon Road.

Mission Center Road is a two-lane roadway between Murray Ridge Road and approximately 1,200 feet west of Murray Ridge Road. The roadway expands to two northbound and one southbound lanes until approximately 950 feet north of Mission Valley Road. From Mission Valley Road to Westside Drive, Mission Center Road expands to four lanes, and again to five lanes between Westside Drive and the Friars Road westbound ramps. Mission Center Road becomes a four-lane roadway once again until Mission Center Court, and expands to five lanes between Mission Center Court and Camino Del Rio North. Posted speed limits are 45 mph between Murray Ridge Road and approximately 950 feet north of Mission Valley Road, with a reduction to 40 mph for the remainder of the roadway. There is no on-street parking permitted. Sidewalks are generally present, except between Murray Ridge Road and approximately 950 feet north of Mission Valley Road. Class II bicycle facilities are present along both sides of the roadway. MTS routes 25 and 928 run along Mission Center Road between Mission Valley Road and Murray Ridge Road.

Auto Circle begins at the southern terminus of Mission Center Road and continues to Camino Del Rio South. Auto Circle is a four-lane roadway with a striped median between Camino Del Rio South and the I-8 eastbound ramps, and a raised median south of the I-8 eastbound ramps. There is no posted speed limit along the roadway. Sidewalks are present along the west side of the roadway. Class II bicycle facilities are present between Camino Del Rio North and the I-8 eastbound ramps. On-street parking is not permitted along the roadway.

Via Alta is a two-lane roadway between Westside Drive and Franklin Ridge Road with a raised median. There is no posted speed limit. On-street parking is prohibited. Sidewalks and Class II bicycle facilities are present on both sides of the roadway.

Murray Ridge Road is a two-lane road with a center left-turn lane between Mission Center Road and the I-805 northbound ramps, and a striped median between the I-805 northbound and I-805 southbound ramps. There is a posted speed limit of 25 mph, which increases to 35 mph approximately 250 feet north of Mission

Center Road. On-street parking is allowed north of the I-805 northbound ramps. Sidewalks and Class II bicycle facilities are present along both sides of the roadway.

Russell Park Way is a two-lane roadway with a raised median. There is no posted speed limit. On-street parallel parking is permitted on the west side of the roadway. Sidewalks and Class II bicycle facilities are present on both sides of the roadway.

Camino Del Este is a four-lane roadway that alternates between a raised median, striped median, and center left-turn lane. North of Camino De La Reina, the posted speed limit is 35 mph. South of Camino De La Reina, the posted speed limit is reduced to 25 mph. On-street parking is only permitted south of Camino De La Reina. Sidewalks are present along both sides of the roadway. Class II bicycle lanes are present north of Camino De La Reina. MTS bus route 6 runs along Camino Del Este between Camino De La Reina and Camino Del Rio North in the northbound direction.

Franklin Ridge Road is a future roadway that will provide north-south travel as a modified two-lane road with a center median. The roadway will be classified as a two-lane major street. It will begin at the eastern terminus of Civita Boulevard and run northerly to connect with Via Alta. Parking will be prohibited on both sides of Franklin Ridge Road, and it is planned to have Class II bike lanes.

Qualcomm Way is a two-lane roadway between the Friars Road westbound ramps and the Friars Road eastbound ramps. Qualcomm Way widens to six lanes between the Friars Road eastbound ramps and Camino Del Rio North. South of Camino Del Rio North, Qualcomm Way narrows to five lanes, before narrowing again to four lanes through the Camino Del Rio South, where the roadway changes names to Texas Street. Qualcomm Way is generally an undivided roadway, with a center left-turn lane between the Friars Road eastbound ramps and Friars Road westbound ramps, a raised median between the Friars Road westbound ramps and Rio San Diego Drive, and a striped median between Rio San Diego Drive and Camino Del Rio North. Qualcomm Way has no posted speed limits, and has intermittent on-street parking, generally between the Friars Road eastbound ramps and Rio San Diego Drive. Sidewalks are generally present, except for the east side of the roadway between Camino De La Reina and Camino Del Rio South. Class II bicycle lanes are generally present, except south of Camino De La Reina, where an unsigned paved shoulder is intermittently present. MTS bus route 6 runs along Qualcomm Way between Camino De La Reina and the roadway's southern terminus at Camino Del Rio South, where the roadway changes its name to Texas Street. In addition, MTS route 18 runs along the roadway between Camino Del Rio North and Camino Del Rio South.

Texas Street is a four-lane roadway between Camino Del Rio South and approximately 1,400 feet north of Madison Avenue, where the roadway narrows to three lanes. Between that point and Madison Avenue, there are two southbound and one northbound lanes. Between Madison Avenue and Meade Avenue, Texas Street narrows to a two-lane roadway, before widening again to a three-lane roadway, with two southbound lanes and one northbound lane, between Meade Avenue and El Cajon Boulevard. Texas Street has a raised median between Camino Del Rio South and Madison Avenue, a center left-turn lane between Madison Avenue and Meade Avenue, and is an undivided roadway south of Meade Avenue. There are no posted speed limits along the roadway. There is no on-street parking permitted north of Madison Avenue. Sidewalks are generally present throughout the roadway, but are missing from the east side of the roadway between Camino Del Rio South and approximately 1,400 feet north of Madison Avenue. Class II bicycle facilities lanes are available between Madison Avenue. MTS bus route 6 runs along Texas Street from the roadway's northern terminus at Camino Del Rio South to El Cajon Boulevard.

River Run Drive is a two-lane undivided roadway with no posted speed limit. On-street parking is permitted. Sidewalks are present throughout the roadway, however, there are no bicycle facilities present.

Fenton Parkway is a four-lane roadway. A raised median is present through all segments of Fenton Parkway. Speed limits are not posted along the roadway. On-street parking is not permitted, and sidewalks are present along the entire roadway. Class II bicycle facilities are generally present, except between the Portofino Apartments driveway and Friars Road.

Mission City Parkway is a two-lane undivided roadway with a posted speed limit of 35 mph. On-street parking is not permitted. Sidewalks are present along the roadway, although they switch sides halfway through the roadway. There are no bicycle facilities. MTS Route 18 runs along the entirety of the roadway.

Northside Drive is a four-lane roadway between the Portofino Apartments driveway and the Fenton Marketplace Driveway. South of the Fenton Marketplace Driveway, Northside Drive becomes a three-lane roadway, with two northbound lanes and one southbound lane. A raised median is present through all segments of Northside Drive. Speed limits are not posted along the roadway. On-street parking is permitted south of the Fenton Marketplace Driveway, as well as between Friars Road and the Fenton Marketplace Driveway, where a small segment of 15-minute parking exists. Sidewalks are present along the entire roadway. There are no Class II bicycle facilities.

Mission Village Drive is a four-lane roadway with a raised median between Ronda Avenue and the Friars Road westbound ramps. South of Friars Road, Mission Village Drive is an undivided roadway. There is a posted speed limit of 45 mph between Ronda Avenue and Friars Road. On-street parking is not permitted. Sidewalks are present along both sides of the roadway, and Class II bicycle facilities are present north of Friars Road.

Rancho Mission Road is a three-lane road with one southbound lane, two northbound lanes, and a center left-turn lane between Friars Road and San Diego Mission Road. There is a posted speed limit of 35 mph between Friars Road and San Diego Mission Road. On-street parking is permitted on both sides of the roadway. Sidewalks are present between Friars Road and San Diego Mission Road. Class II bicycle lanes are generally present, although there are no bicycle facilities between San Diego Mission Road and Camino Del Rio North.

Ward Road is a four-lane undivided roadway with no posted speed limit. On-street parking is permitted along both sides of the roadway. Sidewalks are present along both sides of the roadway. There are no bicycle facilities present. MTS bus route 14 runs along Ward Road between Camino Del Rio North and the northern terminus of the roadway, where the roadway name changes to Rancho Mission Road.

Santo Road is a two-lane roadway with a raised median and no posted speed limit. On-street parking is permitted along both sides of the roadway. Sidewalks are present along both sides of the roadway. There are no bicycle facilities present.

Riverdale Street is a two-lane undivided roadway with no posted speed limit. On-street parking is permitted along both sides of the roadway. Sidewalks are present along both sides of the roadway. There are no bicycle facilities present.

Mission Gorge Road is a four-lane roadway with a center left-turn lane and a posted speed limit of 30 mph. On-street parking is generally permitted along both sides of the roadway. Sidewalks are present along both

sides of the roadway. There are no bicycle facilities present. MTS bus route 13 runs along Mission Gorge Road between Zion Avenue and Mission Gorge Place in both directions, as well as between Mission Gorge Place and the roadway's southern terminus at Fairmount Avenue, in the northbound direction.

Fairmount Avenue is a four-lane roadway with a raised median between the Camino Del Rio North/I-8 westbound off-ramp and the I-8 eastbound off-ramp. Between the I-8 eastbound off-ramp and Camino Del Rio South, Fairmount Avenue widens to a five-lane roadway with three southbound lanes and two northbound lanes and a raised median. Speed limits are not posted. On-street parking is not permitted. Sidewalks are present along the east side of the roadway only. Bicycle facilities are generally present, including Class II bike lanes between the I-8 westbound off-ramp and the I-8 eastbound off-ramp, and a Class I bike path south of the I-8 eastbound off-ramp along the east side of the roadway between the I-8 eastbound off-ramp and Camino Del Rio South. MTS bus route 13 runs along the roadway in both directions from the southern community boundary to Camino Del Rio North, as well as in the northbound direction between Camino Del Rio North and Mission Gorge Road. Additionally, MTS route 18 accesses Fairmount Avenue at Camino Del Rio South, running south to Montezuma Road, and north to the Grantville Trolley Station.

Figure 3-2 displays existing average daily traffic volumes for the study roadway segments, along with the current LOS. Table 3.1 displays existing roadway segment ADT and LOS for the Mission Valley community. As discussed, Appendix A contains the roadway daily traffic counts utilized in this report.

As shown, 26 study segments currently operate at a substandard level of service (LOS E or F), including the following:

- Taylor Street, between Morena Boulevard and I-8 EB Ramps (LOS F)
- Taylor Street, between I-8 EB Ramps and Hotel Circle South (LOS E)
- Hotel Circle North, between Hotel Circle South and Hotel Circle Place (LOS F)
- Hotel Circle North, between I-8 WB Ramps and Fashion Valley Road (LOS F)
- Camino De La Reina, between Avenida Del Rio and Camino De La Siesta (LOS F)
- Hotel Circle South, between Hotel Circle North and 1200 Feet East of Hotel Circle North (LOS F)
- Hotel Circle South, between I-8 EB Ramps and Bachman Place (LOS F)
- Hotel Circle South, between Bachman Place and Hotel Circle North (LOS F)
- Camino Del Rio South, between Western Terminus and 1800 Feet west of Mission Center Road (LOS E)
- Camino Del Rio South, between Mission Center Road and Texas Street (LOS E)
- Camino Del Rio South, between Texas Street and Mission City Parkway (LOS F)
- Morena Boulevard, between Tecolote Road and West Morena Boulevard (LOS F)
- Morena Boulevard, between Linda Vista Road and I-8 WB Off-Ramp (LOS F)
- Via Las Cumbres, between Linda Vista Road and Friars Road (LOS E)
- Bachman Place, between Hotel Circle South and southern community boundary (LOS E)
- Ulric Street, between Fashion Hills Boulevard and 600 Feet South of Fashion Hills Boulevard (LOS F)
- Ulric Street, between 600 Feet South of Fashion Hills Boulevard and Friars Road (LOS E)
- Mission Center Road, between Murray Ridge Road and 1200 Feet West of Murray Ridge Road (LOS F)
- Mission Center Road, between 1200 Feet West of Murray Ridge Road and 950 Feet North of Mission Valley Road (LOS E)
- Murray Ridge Road, between Mission Center Road and I-805 NB Ramps (LOS F)
- Texas Street, between 1400 Feet North of Madison Ave and Madison Avenue (LOS F)
- Texas Street, between Madison Avenue and Meade Ave, (LOS F)
- Texas Street, between Meade Ave and El Cajon Boulevard (LOS F)
- Riverdale Street, between Friars Road and Vandever Avenue (LOS F)
- Fairmount Avenue, between Camino Del Rio North/I-8 WB Off-Ramp and I-8 EB Off-Ramp (LOS F)
- Fairmount Avenue, between I-8 EB Off-Ramp and Camino Del Rio South (LOS F)



Mission Valley Community Plan Update
Traffic Impact Study

CHEN RYAN

Figure 3-2
Existing Roadway Average Daily Traffic Volumes and Level of Service

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
1	Phyllis Place	Between I-805 SB Ramps and Abbotshill Road	9/9/2015 - 9/10/2015	PTD	2-Ln Collector w/o TWLTL	8,000	2,270	0.284	A	Serra Mesa
2	Sea World Drive	Between Mission Bay Parkway and Friars Road	9/9/2015 - 9/10/2015	NDS	4-Ln Major Arterial	40,000	34,200	0.855	D	Mission Bay Park
3	Sea World Drive	Between Friars Road and I-5 SB Ramps	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	29,490	0.737	C	Mission Bay Park
4	Tecolote Road	Between I-5 SB Ramps and I-5 NB Ramps	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	30,470	0.762	D	Linda Vista
5	Tecolote Road	Between I-5 NB Ramps and Morena Boulevard	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	22,410	0.560	C	Linda Vista
6	Mission Valley Road	Between Metropolitan Drive and Mission Center Road	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	7,440	0.186	A	Mission Valley
7	Civita Boulevard	Between Mission Center Road and Qualcomm Way	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	2,480	0.062	A	Mission Valley
8	Westside Drive	Between Mission Center Road and Via Alta	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/o TWLTL	8,000	4,070	0.508	C	Mission Valley
9	Friars Road	Between Sea World Drive and Napa Street	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	13,650	0.341	A	Mission Bay Park, Linda Vista
10	Friars Road	Between Napa Street and Colusa Street	9/9/2015 - 9/10/2015	PTD	4-Ln Major Arterial	40,000	19,170	0.479	B	Mission Valley
11	Friars Road	Between Colusa Street and Via Las Cumbres	9/9/2015 - 9/10/2015	PTD	4-Ln Major Arterial	40,000	19,200	0.480	B	Mission Valley
12	Friars Road	Between Via Las Cumbres and Fashion Valley Road	9/9/2015 - 9/10/2015	PTD	4-Ln Major Arterial	40,000	22,270	0.557	C	Mission Valley
13	Friars Road	Between Fashion Valley Road and Via De La Moda	9/9/2015 - 9/10/2015	PTD	5-Ln Major Arterial (3 EB, 2 WB)	45,000	26,095	0.580	C	Mission Valley
14	Friars Road	Between Via De La Moda and Fashion Valley Driveway	9/16/2015 - 9/17/2015	NDS	5-Ln Major Arterial (3 EB, 2 WB)	45,000	25,917	0.576	C	Mission Valley
15	Friars Road	Between Fashion Valley Driveway and Avenida De Las Tiendas	9/9/2015 - 9/10/2015	NDS	6-Ln Major Arterial	50,000	26,830	0.537	B	Mission Valley
16	Friars Road	Between Avenida De Las Tiendas and Ulric Street/SR-163 SB Ramps	9/16/2015 - 9/17/2015	NDS	6-Ln Major Arterial	50,000	40,510	0.810	D	Mission Valley
17	Friars Road	Between Ulric Street/SR-163 SB Ramps and SR-163 NB Ramps	9/16/2015 - 9/17/2015	NDS	6-Ln Prime Arterial	60,000	53,170	0.886	D	Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
18	Friars Road	Between SR-163 NB Ramps and Frazee Road	9/16/2015 - 9/17/2015	NDS	6-Ln Prime Arterial	60,000	54,150	0.902	D	Mission Valley
19	Friars Road	Between Frazee Road and Mission Center Road	9/16/2015 - 9/17/2015	NDS	7-Ln Expressway	93,330	42,780	0.458	B	Mission Valley
20	Friars Road	Between Mission Center Road and Qualcomm Way	9/16/2015 - 9/17/2015	NDS	6-Ln Expressway	80,000	37,050	0.463	B	Mission Valley
21	Friars Road	Between Qualcomm Way and River Run Drive	9/9/2015 - 9/10/2015	PTD	6-Ln Expressway	80,000	33,250	0.416	B	Mission Valley
22	Friars Road	Between River Run Drive and Fenton Parkway	9/9/2015 - 9/10/2015	PTD	6-Ln Prime Arterial	60,000	22,080	0.368	A	Mission Valley
23	Friars Road	Between Fenton Parkway and Northside Drive	9/9/2015 - 9/10/2015	PTD	6-Ln Prime Arterial	60,000	28,430	0.474	B	Mission Valley
24	Friars Road	Between Northside Drive and San Diego Mission Road	9/9/2015 - 9/10/2015	PTD	6-Ln Expressway	80,000	45,330	0.567	C	Mission Valley
25	Friars Road	Between San Diego Mission Road and I-15 SB Ramps	9/9/2015 - 9/10/2015	PTD	6-Ln Expressway	80,000	57,740	0.722	C	Mission Valley
26	Friars Road	Between I-15 SB Ramps and I-15 NB Ramps	9/9/2015 - 9/10/2015	PTD	6-Ln Prime Arterial	70,000	46,570	0.776	C	Mission Valley
27	Friars Road	Between I-15 NB Ramps and Rancho Mission Road	9/9/2015 - 9/10/2015	PTD	7-Ln Prime Arterial	70,000	51,610	0.737	C	Mission Valley
28	Friars Road	Between Rancho Mission Road and Santo Road	9/9/2015 - 9/10/2015	PTD	7-Ln Prime Arterial	70,000	39,430	0.563	B	Mission Valley
29	Friars Road	Between Santo Road and Riverdale Street	9/9/2015 - 9/10/2015	PTD	6-Ln Prime Arterial	60,000	43,380	0.723	C	Mission Valley / Grantville
30	Friars Road	Between Riverdale Street and Mission Gorge Road	9/9/2015 - 9/10/2015	PTD	6-Ln Prime Arterial	60,000	31,300	0.522	B	Grantville
31	Mission Gorge Road	Between Friars Road and Zion Avenue	9/16/2015 - 9/17/2015	PTD	6-Ln Prime Arterial	60,000	40,690	0.678	C	Grantville
32	Hazard Center Drive	Between Western Terminus and Mission Center Road	9/9/2015 - 9/10/2015	PTD	4-Ln Collector w/ TWLTL	30,000	8,710	0.290	A	Mission Valley
33	Rio San Diego Drive	Between Gill Village Way and Qualcomm Way	9/16/2015 - 9/17/2015	NDS	4-Ln Collector w/ TWLTL	30,000	10,500	0.350	B	Mission Valley
34	Rio San Diego Drive	Between Qualcomm Way and River Run Drive	9/16/2015 - 9/17/2015	PTD	4-Ln Major Arterial	40,000	11,280	0.282	A	Mission Valley
35	Rio San Diego Drive	Between River Run Drive and Fenton Parkway	9/16/2015 - 9/17/2015	PTD	4-Ln Collector w/ RM	30,000	9,090	0.303	A	Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
36	San Diego Mission Road	Between Friars Road EB Ramps and Rancho Mission Road	9/16/2015 - 9/17/2015	PTD	4-Ln Collector w/o TWLTL	15,000	7,590	0.506	C	Mission Valley
37	San Diego Mission Road	Between Rancho Mission Road and 950 Feet West of Fairmount Avenue	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/ TWLTL	15,000	8,020	0.534	C	Mission Valley
38	San Diego Mission Road	Between 950 Feet West of Fairmount Avenue and Fairmount Avenue	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/o TWLTL (NFP)	10,000	8,020	0.802	D	Mission Valley
39	Taylor Street	Between Pacific Highway and Morena Boulevard	9/9/2015 - 9/10/2015	NDS	5-Ln Major Arterial (3 EB, 2 WB)	45,000	19,057	0.423	B	Old Town
40	Taylor Street	Between Morena Boulevard and I-8 EB Ramps	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/o TWLTL (NFP)	10,000	17,750	1.775	**F**	Old Town
41	Taylor Street	Between I-8 EB Ramps and Hotel Circle South	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/ TWLTL	15,000	14,410	0.961	**E**	Old Town
42	Hotel Circle North	Between Hotel Circle South and Hotel Circle Place	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/o TWLTL (NFP)	10,000	15,340	1.534	**F**	Mission Valley
43	Hotel Circle North	Between Hotel Circle Place and I-8 WB Ramps	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/ TWLTL	15,000	6,510	0.434	B	Mission Valley
44	Hotel Circle North	Between I-8 WB Ramps and Fashion Valley Road	9/16/2015 - 9/17/2015	NDS	3-Ln Collector (2 EB, 1 WB)	11,250	15,510	1.378	**F**	Mission Valley
45	Hotel Circle North	Between Fashion Valley Road and Camino De La Reina	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/ TWLTL	15,000	12,460	0.831	D	Mission Valley
46	Camino De La Reina	Between Hotel Circle North and Avenida Del Rio	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/ TWLTL	15,000	8,480	0.566	C	Mission Valley
47	Camino De La Reina	Between Avenida Del Rio and Camino De La Siesta	9/9/2015 - 9/10/2015	PTD	2-Ln Collector w/o TWLTL (NFP)	10,000	13,360	1.336	**F**	Mission Valley
48	Camino De La Reina	Between Camino De La Siesta and Mission Center Road	1/20/2016 - 1/21/2016	AVC	4-Ln Major Arterial	40,000	10,730	0.268	A	Mission Valley
49	Camino De La Reina	Between Mission Center Road and Camino Del Este	1/20/2016 - 1/21/2016	AVC	4-Ln Major Arterial	40,000	18,530	0.463	B	Mission Valley
50	Camino De La Reina	Between Camino Del Este and Qualcomm Way	9/16/2015 - 9/17/2015	PTD	4-Ln Major Arterial	40,000	13,770	0.344	A	Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
51	Camino Del Rio North	Between Camino De La Siesta and Mission Center Road	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/ TWLTL	15,000	5,430	0.362	B	Mission Valley
52	Camino Del Rio North	Between Mission Center Road and I-8 WB Ramps	9/16/2015 - 9/17/2015	PTD	4-Ln Major Arterial	40,000	24,030	0.601	C	Mission Valley
53	Camino Del Rio North	Between I-8 WB Ramps and Camino Del Este	9/16/2015 - 9/17/2015	PTD	3-Ln Collector w/ RM (1 EB, 2 WB)	22,500	11,910	0.529	C	Mission Valley
54	Camino Del Rio North	Between Camino Del Este and Qualcomm Way	9/9/2015 - 9/10/2015	NDS	4-Ln Major Arterial	40,000	12,180	0.305	A	Mission Valley
55	Camino Del Rio North	Between Qualcomm Way and Mission City Parkway	9/9/2015 - 9/10/2015	NDS	4-Ln Major Arterial	40,000	10,590	0.265	A	Mission Valley
56	Camino Del Rio North	Between Mission City Parkway and 800 Feet East of Mission City Parkway	9/16/2015- 9/17/2015	NDS	2-Ln Collector w/o TWLTL (NFP)	10,000	8,080	0.808	D	Mission Valley
57	Camino Del Rio North	Between 800 Feet East of Mission City Parkway and 1800 Feet West of Ward Road	9/16/2015- 9/17/2015	NDS	2-Ln Collector w/ TWLTL	15,000	8,060	0.537	C	Mission Valley
58	Camino Del Rio North	Between 1800 Feet West of Ward Road and Ward Road	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/o TWLTL (NFP)	10,000	8,920	0.892	D	Mission Valley
59	Camino Del Rio North	Between Ward Road and 1000 Feet West of Fairmount Avenue	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	11,830	0.296	A	Mission Valley
60	Camino Del Rio North	Between 1000 Feet West of Fairmount Avenue and Fairmount Avenue	9/16/2015 - 9/17/2015	NDS	4-Ln Collector w/ TWLTL	30,000	13,470	0.449	B	Mission Valley
61	Hotel Circle South	Between Hotel Circle North and 1200 Feet East of Hotel Circle North	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/o TWLTL (NFP)	10,000	12,010	1.201	**F**	Mission Valley
62	Hotel Circle South	Between 1200 Feet East of Hotel Circle North and I-8 EB Ramps	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/ TWLTL	15,000	12,340	0.823	D	Mission Valley
63	Hotel Circle South	Between I-8 EB Ramps and Bachman Place	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/ TWLTL	15,000	17,200	1.146	**F**	Mission Valley
64	Hotel Circle South	Between Bachman Place and Hotel Circle North	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/ TWLTL	15,000	15,580	1.038	**F**	Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
65	Camino Del Rio South	Between Western Terminus and 1800 Feet west of Mission Center Road	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/o TWLTL	8,000	7,330	0.916	**E**	Mission Valley
66	Camino Del Rio South	Between 1800 Feet west of Mission Center Road and Mission Center Road	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/ TWLTL	15,000	6,870	0.458	B	Mission Valley
67	Camino Del Rio South	Between Mission Center Road and Texas Street	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/o TWLTL	8,000	7,410	0.927	**E**	Mission Valley
68	Camino Del Rio South	Between Texas Street and Mission City Parkway	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/o TWLTL	8,000	8,140	1.018	**F**	Mission Valley
69	Camino Del Rio South	Between Mission City Parkway and I-15 SB Off-Ramp	9/9/2015 - 9/10/2015	NDS	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	22,500	11,750	0.522	C	Mission Valley
70	Camino Del Rio South	Between I-15 SB Off-Ramp and I-15 SB On-Ramp	9/9/2015 - 9/10/2015	NDS	4-Ln Collector w/o TWLTL	15,000	9,580	0.638	C	Mission Valley
71	Camino Del Rio South	Between I-15 SB On-Ramp and Fairmount Avenue	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/ TWLTL	15,000	6,370	0.424	B	Mission Valley
72	Morena Boulevard	Between Tecolote Road and Morena Boulevard	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/ TWLTL	15,000	16,180	1.079	**F**	Linda Vista
73	Morena Boulevard	Between West Morena Boulevard and Linda Vista Road	9/9/2015 - 9/10/2015	NDS	4-Ln Major Arterial	40,000	17,740	0.443	B	Linda Vista
74	Morena Boulevard	Between Linda Vista Road and I-8 WB Off-Ramp	9/16/2015 - 9/17/2015	PTD	4-Ln Major Arterial	40,000	41,930	1.048	**F**	Linda Vista
75	Morena Boulevard	Between I-8 WB Off-Ramp and Taylor Street	9/16/2015 - 9/17/2015	PTD	3-Ln Collector w/ RM (2 NB, 1 SB)	22,500	11,570	0.514	C	Old Town
76	Napa Street	Between Morena Boulevard and Friars Road	9/16/2015 - 9/17/2015	PTD	4-Ln Major Arterial	40,000	13,430	0.336	A	Linda Vista
77	Colusa Street	Between Linda Vista Road and Friars Road	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/o TWLTL	8,000	2,720	0.339	B	Linda Vista
78	Via Las Cumbres	Between Linda Vista Road and Friars Road	9/16/2015 - 9/17/2015	PTD	3-Ln Collector (2 NB, 1 SB)	11,000	10,923	0.993	**E**	Linda Vista
79	Fashion Valley Road	Between Friars Road and Hotel Circle North	9/16/2015 - 9/17/2015	PTD	4-Ln Collector w/o TWLTL	15,000	9,980	0.665	C	Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
80	Bachman Place	Between Hotel Circle South and southern community boundary	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/o TWLTL (NFP)	10,000	9,140	0.914	**E**	Mission Valley
81	Avenida Del Rio	Between Fashion Valley Parking Lot and Camino De La Reina	9/16/2015 - 9/17/2015	PTD	4-Ln Collector w/o TWLTL	15,000	8,740	0.583	C	Mission Valley
82	Ulric Street	Between Fashion Hills Boulevard and 600 Feet South of Fashion Hills Boulevard	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/ Striped Median	15,000	20,380	1.359	**F**	Linda Vista
83	Ulric Street	Between 600 Feet South of Fashion Hills Boulevard and Friars Road	9/16/2015 - 9/17/2015	NDS	3-Ln Collector w/ SM (1 NB 2 SB)	22,500	20,430	0.908	**E**	Linda Vista
84	Camino De La Siesta	Between Camino De La Reina and Camino Del Rio North	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/o TWLTL	8,000	5,150	0.643	D	Mission Valley
85	Metropolitan Drive	Between Mission Valley Road and Murray Canyon Road	9/16/2015 - 9/17/2015	NDS	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	3,840	0.171	A	Mission Valley
86	Murray Canyon Road	Between Metropolitan Drive and Frazee Road	9/9/2015 - 9/10/2015	PTD	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	22,500	7,400	0.329	A	Mission Valley
87	Frazee Road	Between Murray Canyon Road and Friars Road	9/9/2015 - 9/10/2015	NDS	4-Ln Major Arterial	40,000	14,670	0.367	A	Mission Valley
88	Frazee Road	Between Friars Road and Hazard Center Drive	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	17,050	0.426	B	Mission Valley
89	Mission Center Road	Between Murray Ridge Road and 1200 Feet West of Murray Ridge Road	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/o TWLTL	10,000	10,970	1.097	**F**	Mission Valley
90	Mission Center Road	Between 1200 Feet West of Murray Ridge Road and 950 Feet North of Mission Valley Road	9/16/2015 - 9/17/2015	NDS	3-Ln Collector (2 NB, 1 SB)	11,000	10,721	0.975	**E**	Mission Valley
91	Mission Center Road	Between 950 Feet North of Mission Valley Road and Mission Valley Road	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	10,940	0.273	A	Mission Valley
92	Mission Center Road	Between Mission Valley Road and Westside Drive	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	14,170	0.354	A	Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
93	Mission Center Road	Between Westside Drive and Friars Road WB Ramps	9/16/2015 - 9/17/2015	NDS	5-Ln Major Arterial (3 NB, 2 SB)	45,000	26,018	0.578	C	Mission Valley
94	Mission Center Road	Between Friars Road WB Ramps and Friars Road EB Ramps	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	22,830	0.571	C	Mission Valley
95	Mission Center Road	Between Friars Road EB Ramps and Mission Center Court	9/9/2015 - 9/10/2015	PTD	4-Ln Major Arterial	40,000	19,470	0.487	B	Mission Valley
96	Mission Center Road	Between Mission Center Court and Hazard Center Drive	9/9/2015 - 9/10/2015	PTD	5-Ln Major Arterial (2 NB, 3 SB)	45,000	19,445	0.432	B	Mission Valley
97	Mission Center Road	Between Hazard Center Drive and Camino De La Reina	9/9/2015 - 9/10/2015	PTD	5-Ln Major Arterial (2 NB, 3 SB)	45,000	27,063	0.601	C	Mission Valley
98	Mission Center Road	Between Camino De La Reina and Camino Del Rio North	9/9/2015 - 9/10/2015	PTD	5-Ln Major Arterial (3 NB, 2 SB)	45,000	23,280	0.517	B	Mission Valley
99	Auto Circle	Between Camino Del Rio North and I-8 EB Ramps	9/16/2015 - 9/17/2015	NDS	4-Ln Major Arterial	40,000	34,100	0.852	D	Mission Valley
100	Auto Circle	Between I-8 EB Ramps and Camino Del Rio South	9/9/2015 - 9/10/2015	NDS	4-Ln Collector w/ RM	30,000	20,980	0.699	D	Mission Valley
101	Via Alta	Between Westside Drive and Franklin Ridge Road	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/ RM	15,000	1,340	0.089	A	Mission Valley
102	Murray Ridge Road	Between Mission Center Road and I-805 NB Ramps	9/16/2015 - 9/17/2015	NDS	2 Ln Collector w/ TWLTL	15,000	20,000	1.333	**F**	Serra Mesa
103	Murray Ridge Road	Between I-805 NB Ramps and I-805 SB Ramps	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/ TWLTL	15,000	11,700	0.780	D	Serra Mesa
104	Russell Park Way	Between Civita Boulevard and Friars Road	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/ RM	15,000	1,020	0.068	A	Mission Valley
105	Camino Del Este	Between Rio San Diego Drive and Camino De La Reina	9/16/2015 - 9/17/2015	NDS	4-Ln Collector w/ RM or TWLTL	30,000	8,450	0.282	A	Mission Valley
106	Camino Del Este	Between Camino De La Reina and Camino Del Rio North	9/9/2015 - 9/10/2015	PTD	4-Ln Collector w/ RM or TWLTL	30,000	9,880	0.329	A	Mission Valley
107	Franklin Ridge Road	Between Civita Boulevard and Via Alta			Future Roadway					Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
108	Qualcomm Way	Between Civita Boulevard and Friars Road WB Ramps			Future Roadway					Mission Valley
109	Qualcomm Way	Between Friars Road WB Ramps and Friars Road EB Ramps	9/9/2015 - 9/10/2015	PTD	2-Ln Collector w/ TWLTL	15,000	9,300	0.620	C	Mission Valley
110	Qualcomm Way	Between Friars Road EB Ramps and Rio San Diego Drive	9/9/2015 - 9/10/2015	PTD	6-Ln Major Arterial	50,000	10,200	0.204	A	Mission Valley
111	Qualcomm Way	Between Rio San Diego Drive and Camino Del Rio North	9/9/2015 - 9/10/2015	PTD	6-Ln Major Arterial	50,000	24,330	0.487	B	Mission Valley
112	Qualcomm Way	Between Camino Del Rio North and I-8 WB Ramps	9/9/2015 - 9/10/2015	PTD	5-Ln Major Arterial (3 NB, 2 SB)	45,000	23,559	0.524	B	Mission Valley
113	Qualcomm Way	Between I-8 WB Ramps and I-8 EB Ramps	9/9/2015 - 9/10/2015	PTD	6-Ln Major Arterial	50,000	36,410	0.728	C	Mission Valley
114	Qualcomm Way	Between I-8 EB Ramps and Camino Del Rio South	9/9/2015 - 9/10/2015	PTD	4-Ln Major Arterial	40,000	25,830	0.646	C	Mission Valley
115	Texas Street	Between Camino Del Rio South and 1400 Feet North of Madison Ave	9/9/2015 - 9/10/2015	PTD	4-Ln Major Arterial	40,000	29,050	0.726	C	Greater North Park
116	Texas Street	Between 1400 Feet North of Madison Ave and Madison Avenue	9/16/2015 - 9/17/2015	PTD	3-Ln Collector w/ Raised Barrier (1 NB, 2 SB)	22,500	29,240	1.300	**F**	Greater North Park
117	Texas Street	Between Madison Avenue and Meade Ave	9/9/2015 - 9/10/2015	PTD	2-Ln Collector w/ TWLTL	15,000	17,090	1.139	**F**	Greater North Park
118	Texas Street	Between Meade Ave and El Cajon Boulevard	9/16/2015 - 9/17/2015	NDS	3-Ln Collector	11,000	14,310	1.300	**F**	Greater North Park
119	River Run Drive	Between Friars Road and Rio San Diego Drive	9/16/2015 - 9/17/2015	PTD	2-Ln Collector w/o TWLTL	8,000	4,030	0.504	C	Mission Valley
120	Fenton Parkway	Between Portofino Driveway and Friars Road	9/16/2015 - 9/17/2015	PTD	4-Lane Major Arterial	40,000	4,120	0.103	A	Mission Valley
121	Fenton Parkway	Between Friars Road and Rio San Diego Drive	9/16/2015 - 9/17/2015	PTD	4-Lane Major Arterial	40,000	12,610	0.315	A	Mission Valley
122	Fenton Parkway	Between Rio San Diego Drive and Del Rio Apartments Driveway	9/16/2015 - 9/17/2015	PTD	4-Lane Major Arterial	40,000	5,400	0.135	A	Mission Valley

Table 3.1 Existing Roadway Level of Service

ID	Roadway	Segment	Count Dates	Data Source	Functional Classification	Capacity (LOS E)	ADT	V/C	LOS	Community
123	Mission City Parkway	Between Camino Del Rio North and Camino Del Rio South	9/9/2015 - 9/10/2015	NDS	2-Ln Collector w/ TWLTL	15,000	6,430	0.428	B	Mission Valley
124	Northside Drive	Between Portofino Driveway and Friars Road	9/9/2015 - 9/10/2015	NDS	4-Ln Collector w/ RM	30,000	6,590	0.220	A	Mission Valley
125	Northside Drive	Between Friars Road and Fenton Marketplace Driveway	9/9/2015 - 9/10/2015	NDS	4-Ln Collector w/ RM	30,000	20,310	0.677	C	Mission Valley
126	Northside Drive	Between Fenton Marketplace Driveway and Lowe's Frontage Road	9/9/2015 - 9/10/2015	NDS	3-Ln Collector w/ RM (2 NB, 1 SB)	22,500	15,890	0.706	D	Mission Valley
127	Mission Village Drive	Between Ronda Avenue and Friars Road WB Ramps	9/9/2015 - 9/10/2015	NDS	4-Ln Major Arterial	40,000	17,220	0.431	B	Mission Valley
128	Mission Village Drive	Between Friars Road WB Ramps and Friars Road EB Ramps	9/9/2015 - 9/10/2015	NDS	4-Ln Major Arterial	40,000	13,660	0.342	A	Mission Valley
129	Rancho Mission Road	Between Friars Road and San Diego Mission Road	9/16/2015 - 9/17/2015	NDS	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	12,820	0.570	C	Mission Valley
130	Ward Road	Between San Diego Mission Road and Camino Del Rio North	9/9/2015 - 9/10/2015	NDS	4-Ln Collector w/o TWLTL	15,000	9,580	0.639	C	Mission Valley
131	Santo Road	Between Northern Terminus and Friars Road	9/16/2015 - 9/17/2015	NDS	2-Ln Collector w/o TWLTL	8,000	6,360	0.796	D	Tierrasanta
132	Riverdale Street	Between Zion Road and Friars Road	9/9/2015 - 9/10/2015	PTD	2-Ln Collector w/o TWLTL	8,000	2,770	0.346	B	Grantville
133	Riverdale Street	Between Friars Road and Vandever Avenue	1/20/2016 - 1/21/2016	AVC	2-Ln Collector w/o TWLTL	8,000	8,900	1.113	**F**	Grantville
134	Mission Gorge Road	Between Friars Road and Camino Del Rio North	1/20/2016 - 1/21/2016	AVC	4-Ln Collector w/ TWLTL	30,000	14,710	0.490	C	Grantville
135	Fairmount Avenue	Between Camino Del Rio North/I-8 WB Off-Ramp and I-8 EB Off-Ramp	9/16/2015 - 9/17/2015	PTD	4-Ln Major Arterial	40,000	40,210	1.005	**F**	Grantville
136	Fairmount Avenue	Between I-8 EB Off-Ramp and Camino Del Rio South	9/16/2015 - 9/17/2015	PTD	6-Ln Expressway	80,000	82,880	1.036	**F**	Grantville

Source: Pacific Technical Data, Accurate Video Counts, City of San Diego

Notes:
Bold letter indicated substandard LOS E and F.
PTD = Pacific Technical Data. AVC = Accurate Video Counts.
RM = Raised Median. SM = Striped Median. TWLTL = Two-Way Left-Turn Lane. NFP = No Fronting Property.

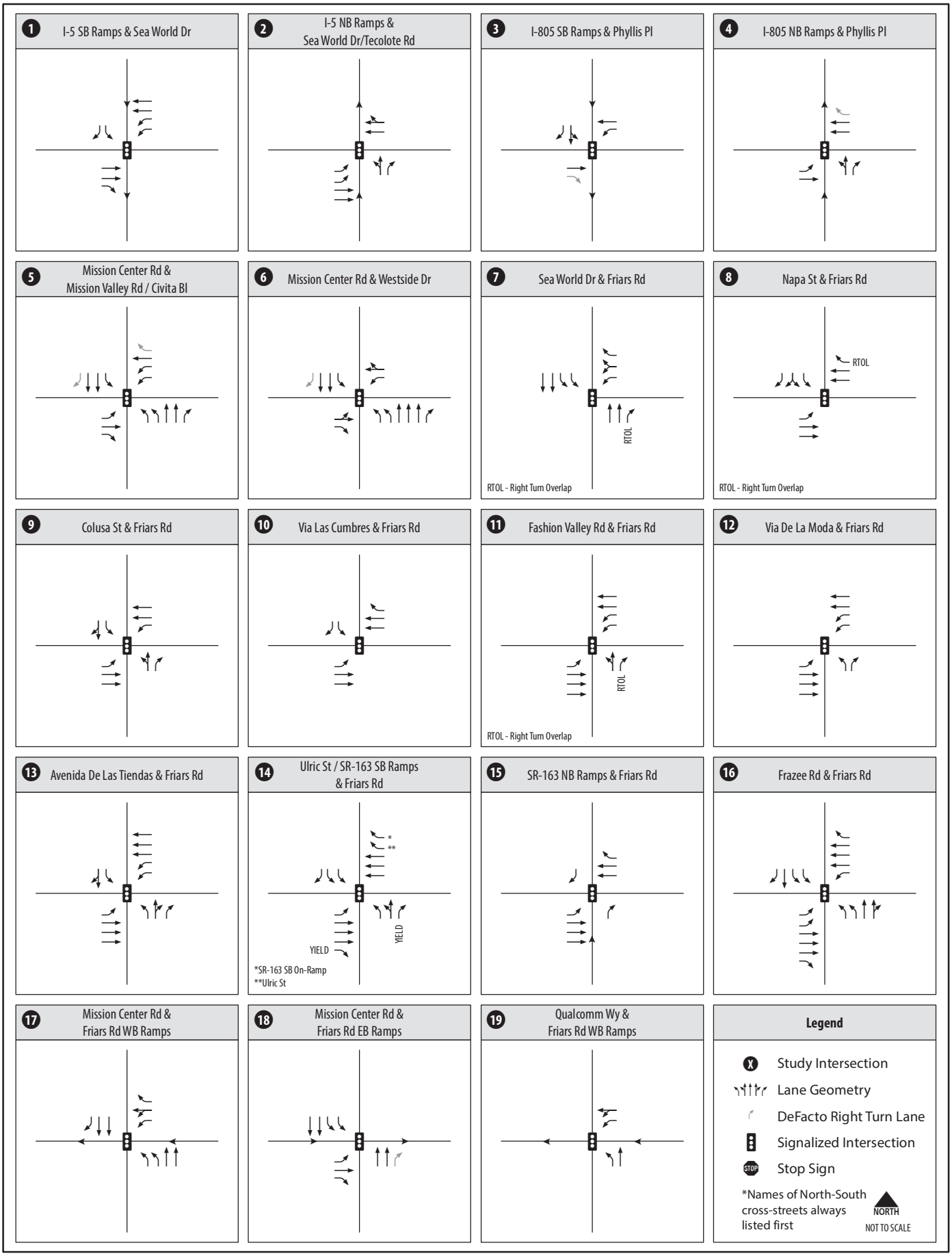
3.2 Intersection Analysis

As described in Chapter 2.1, a total of sixty-seven (67) study intersections were analyzed as part of the existing conditions assessment. Figure 3-3 displays existing intersection geometries. Figure 3-4a displays the AM/PM peak hour turning movements for all 67 study intersections, while Figure 3-4b displays the midday turning movements at selected locations. Intersection counts utilized in this report are provided in Appendix A, while intersection level of service calculation worksheets are provided in Appendix D.

The intersection analysis results are presented in Figure 3-5a for all 67 study intersections, during the AM and PM peak hours. Figure 3-5b presents the midday peak hour intersection level of service for 23 study intersections. Table 3.2 identifies the traffic control, provides the intersection level of service results and the average intersection delay for AM and PM peak hours for all study intersections. Table 3.2 also provides mid-day peak hour results for 23 of the study intersections where midday data was collected.

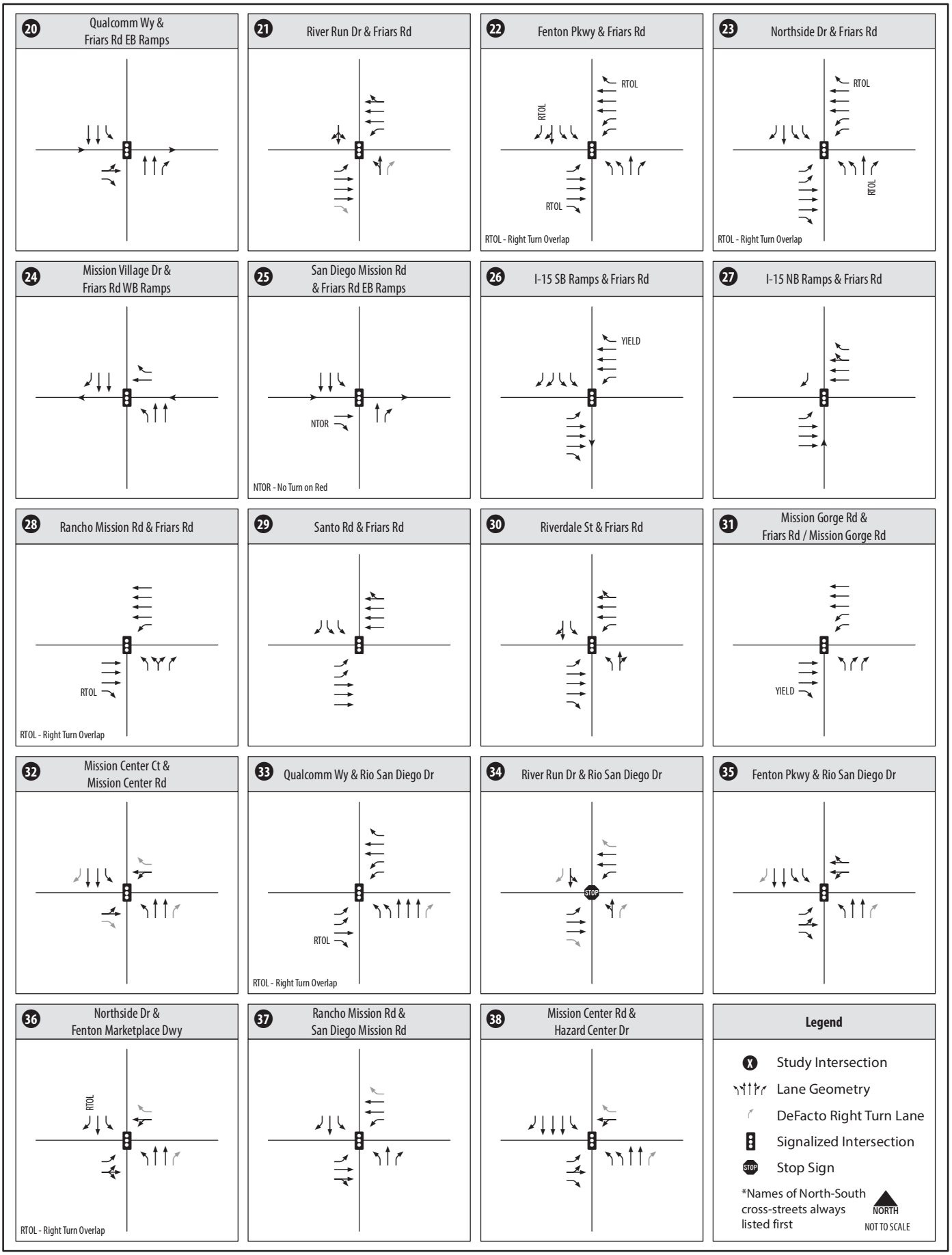
The following 13 intersections were found to operate at substandard (LOS E or F) levels of service during the AM, PM and/or midday peak hour:

- #2 I-5 NB Ramps and Sea World Drive/Tecolote Road – AM LOS E
- #5 Mission Center Road and Mission Valley Road/Civita Boulevard – PM LOS E
- #16 Frazee Road and Friars Road – PM LOS E
- #23 Northside Drive and Friars Road – PM LOS E
- #26 I-15 SB Ramps and Friars Road – PM LOS E
- #45 Fairmount Avenue/Camino Del Rio North and I-8 WB Off-Ramp – PM LOS E
- #47 I-8 WB Ramps/Handlery Hotel Driveway and Hotel Circle North (E) – AM/PM LOS E
- #55 Hotel Circle North and Taylor Street/Hotel Circle South – PM LOS E
- #56 I-8 EB Ramps and Hotel Circle South – PM LOS F
- #58 Mission Center Road and I-8 EB Ramps – PM LOS E
- #59 Mission Center Road and Camino Del Rio South – PM LOS F; Midday LOS E
- #61 Texas Street and Camino Del Rio South – AM/PM LOS E
- #67 Texas Street and Madison Avenue – AM LOS E



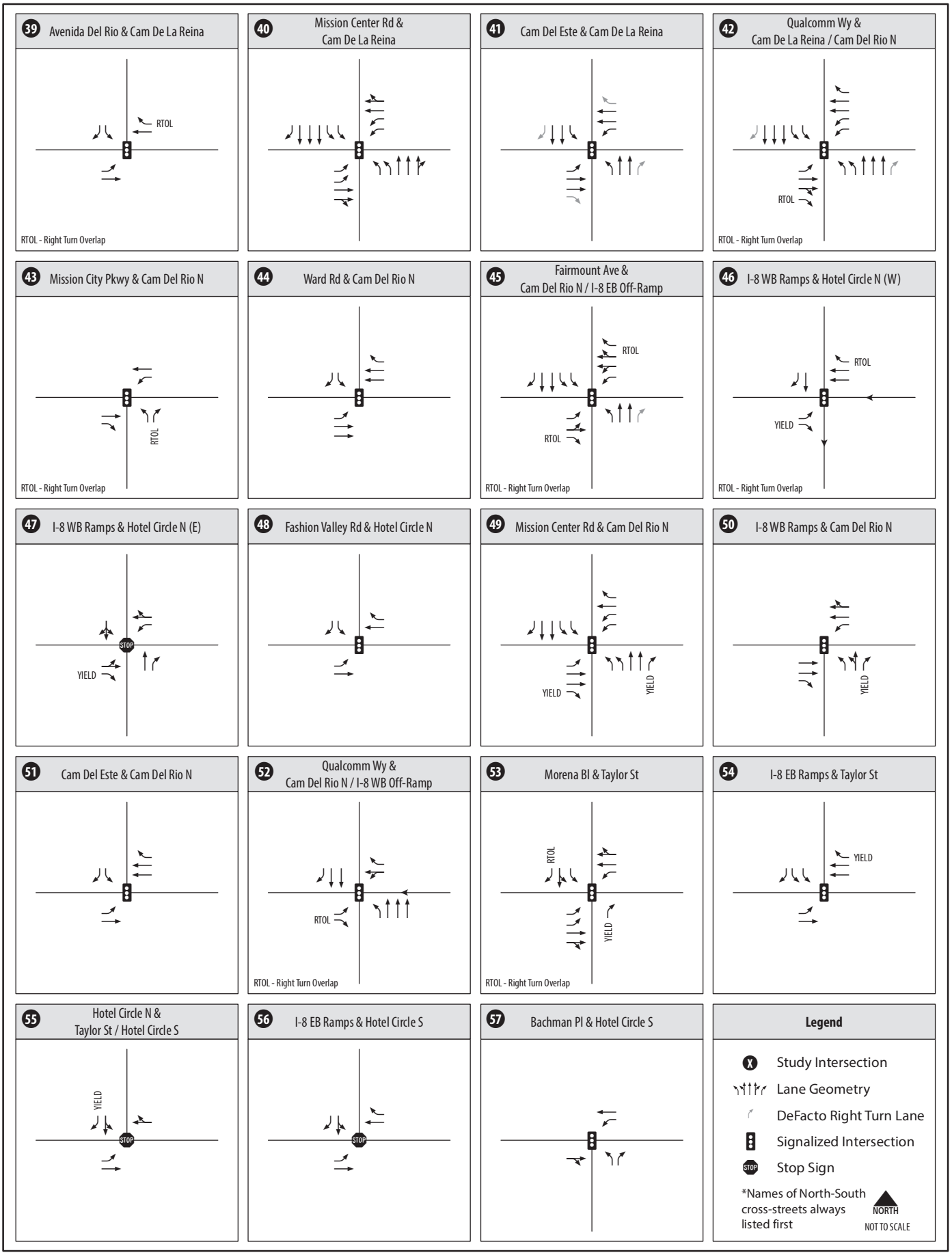
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Figure 3-3
Existing Intersection Geometrics
(Intersections 1-19)



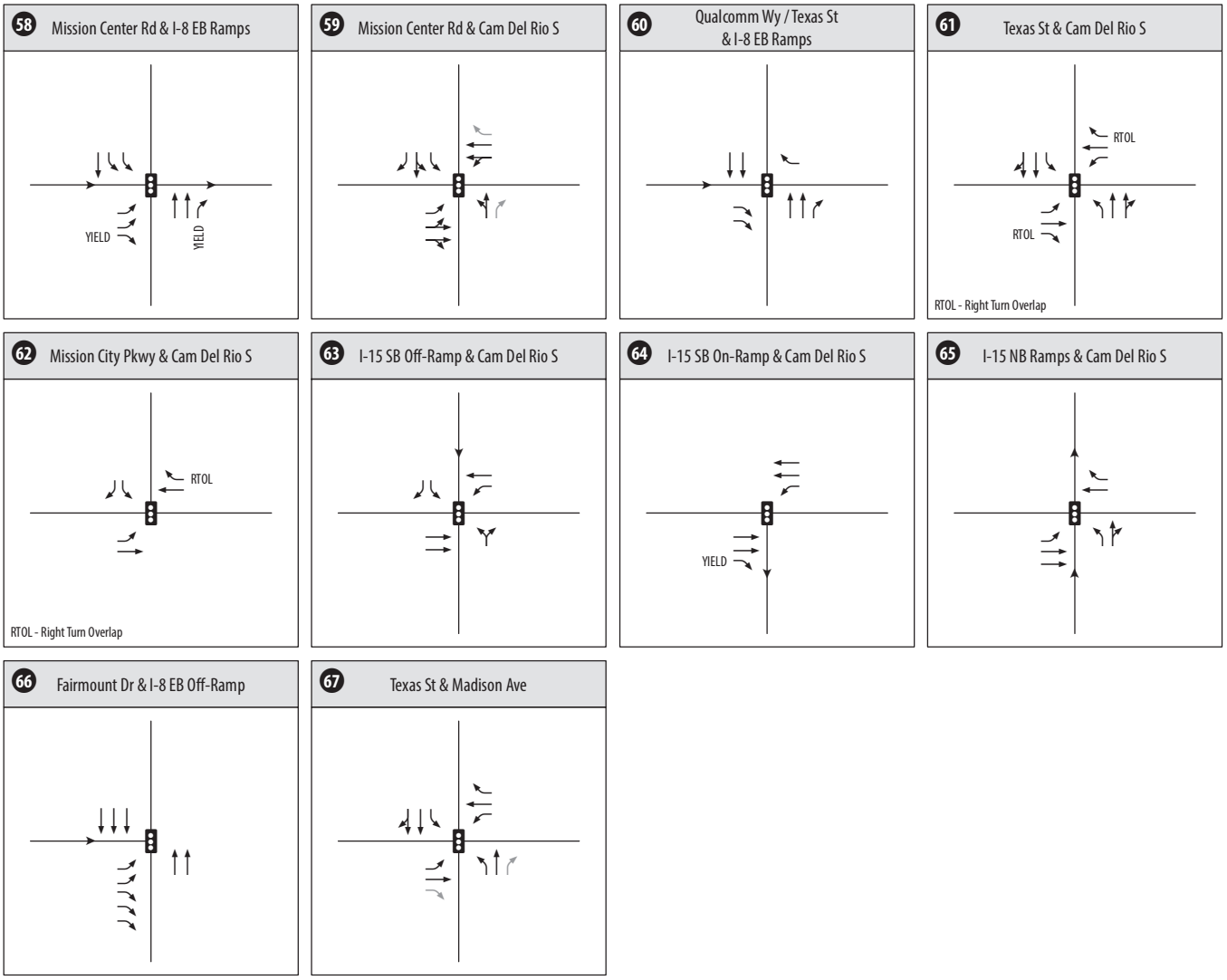
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Figure 3-3
Existing Intersection Geometrics
(Intersections 20-38)



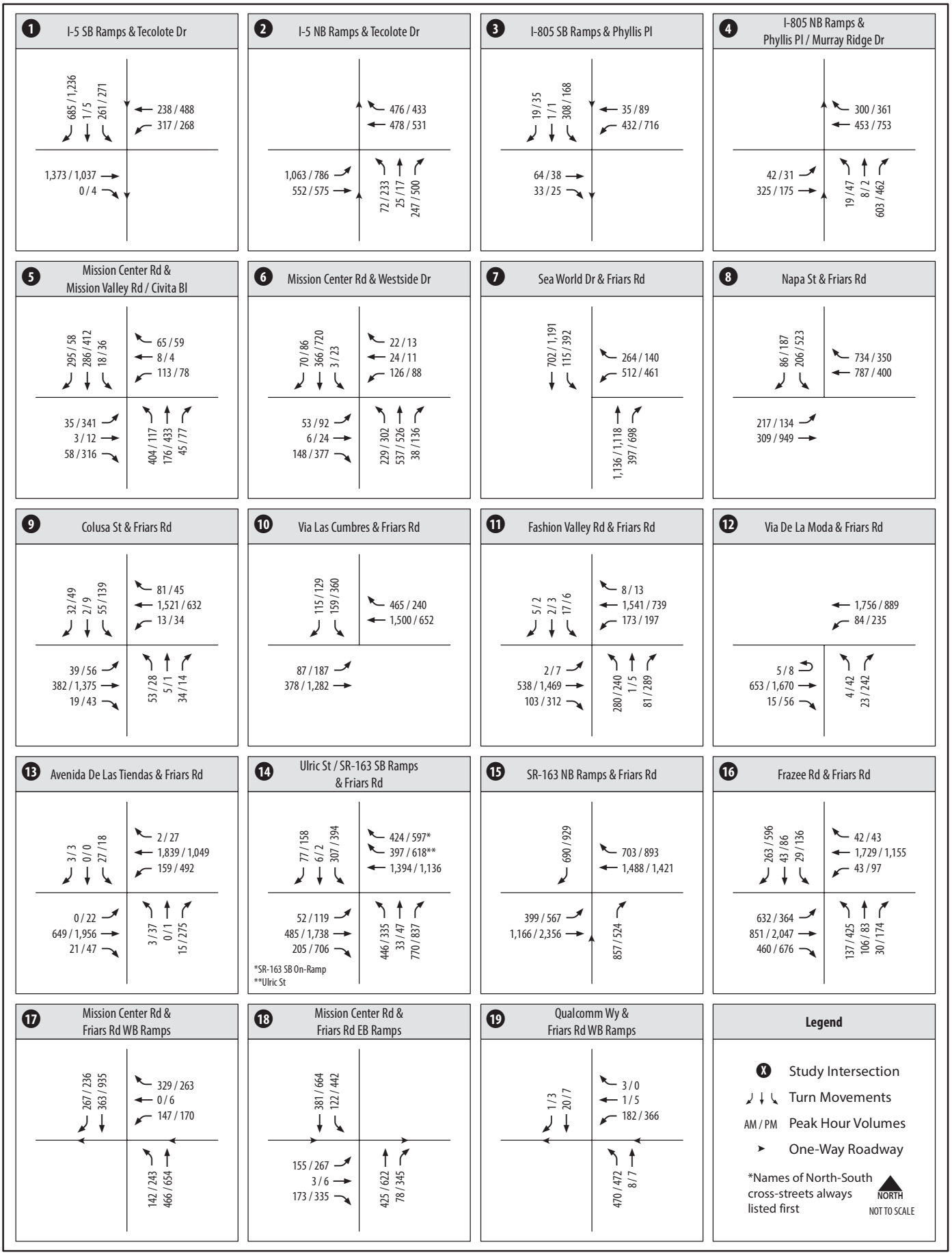
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Figure 3-3
Existing Intersection Geometrics
(Intersections 39-57)



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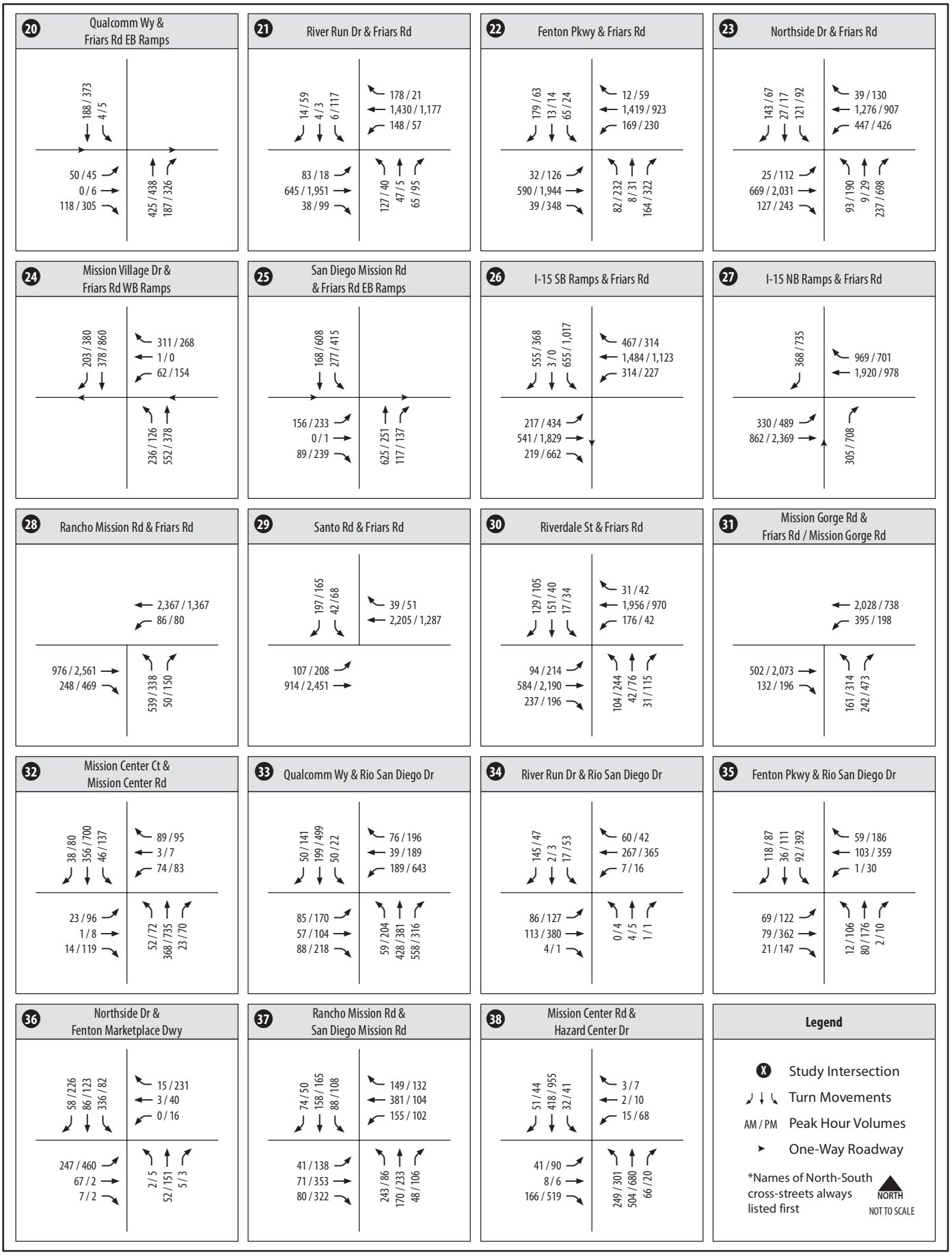
Figure 3-3
Existing Intersection Geometrics
(Intersections 58-67)



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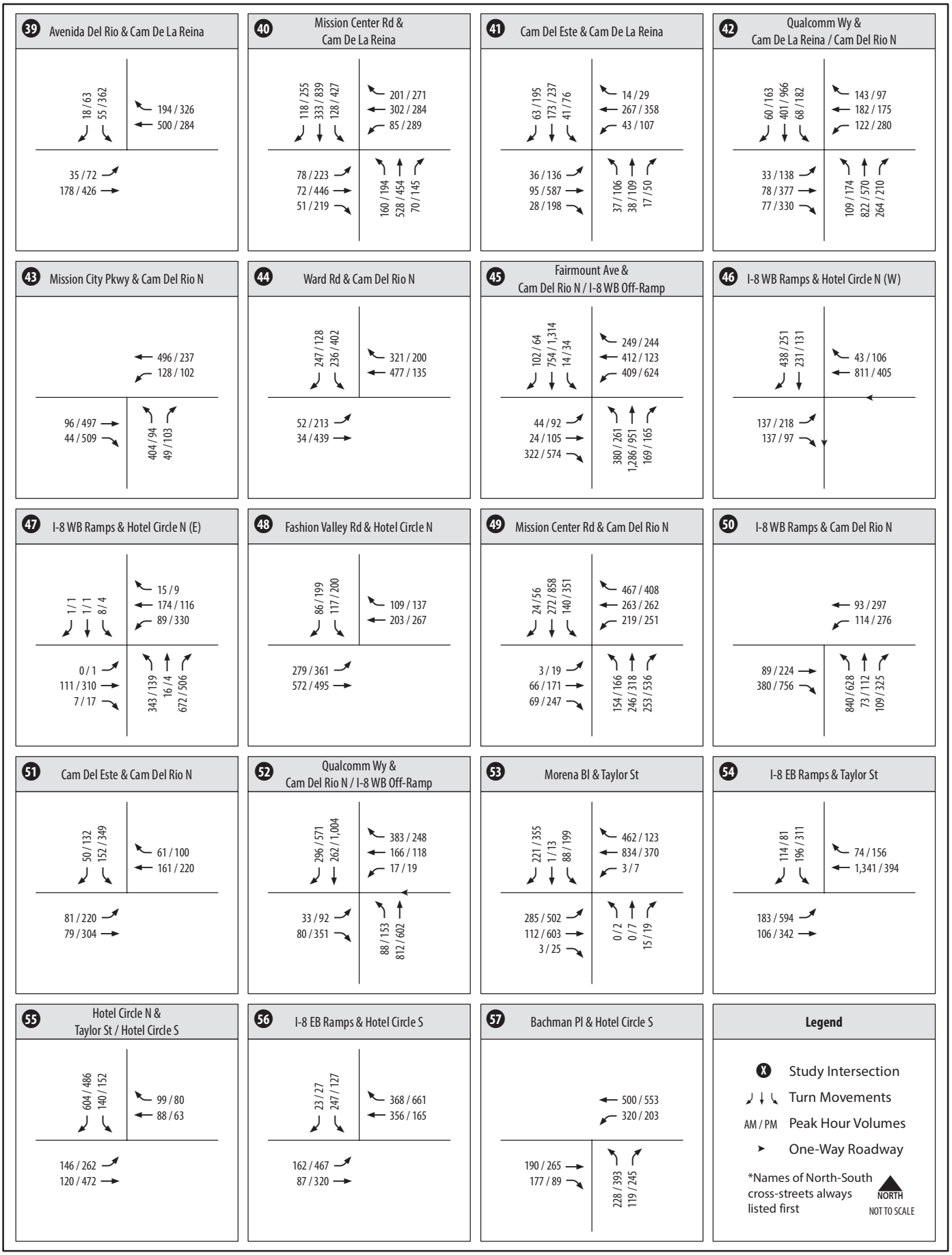
Figure 3-4a
Existing AM/PM Peak Period
Intersection Turning Movements (Intersections 1-19)



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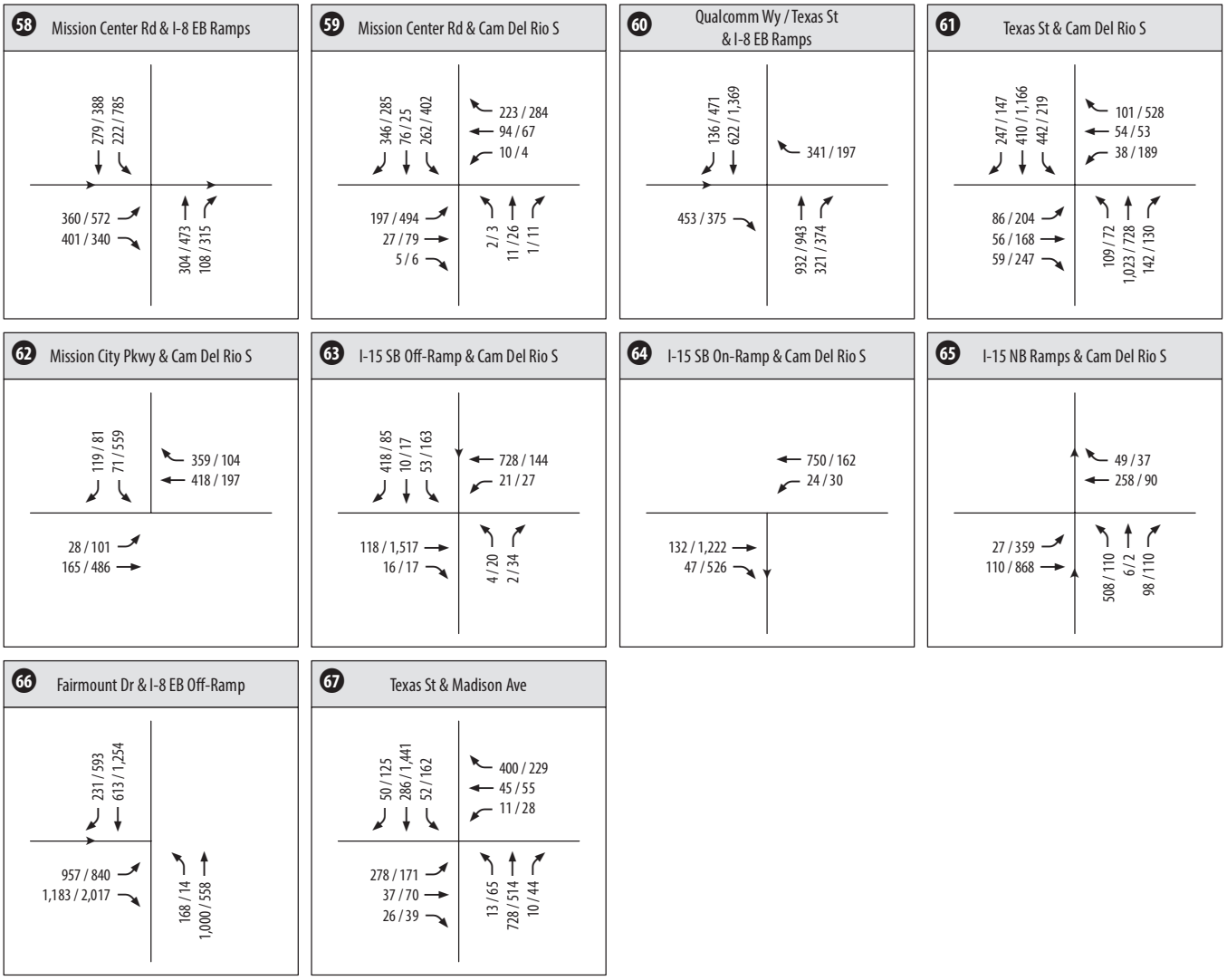
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Figure 3-4a
Existing AM/PM Peak Peak Period
Intersection Turning Movements (Intersections 20-38)



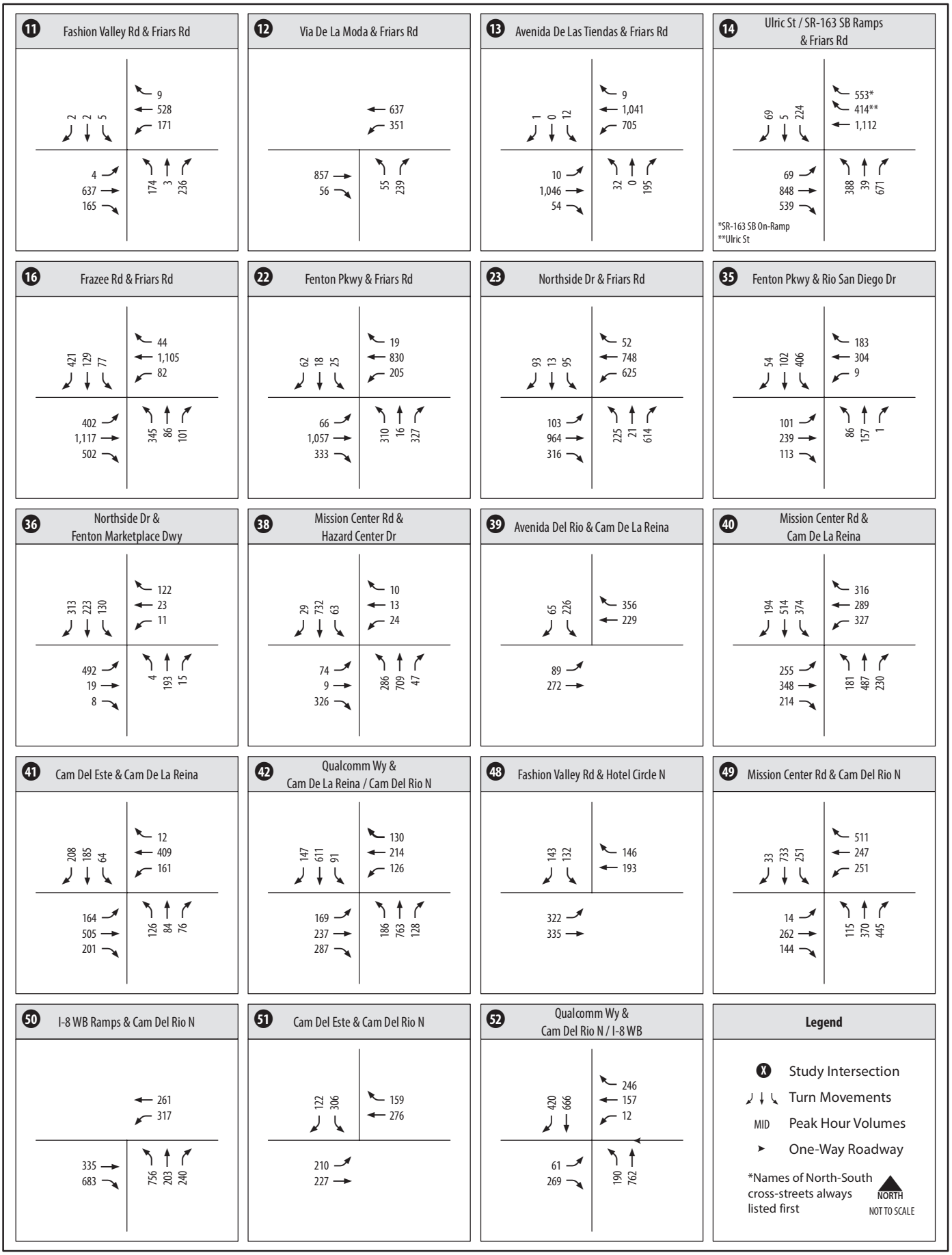
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Figure 3-4a
Existing AM/PM Peak Period
Intersection Turning Movements (Intersections 39-57)



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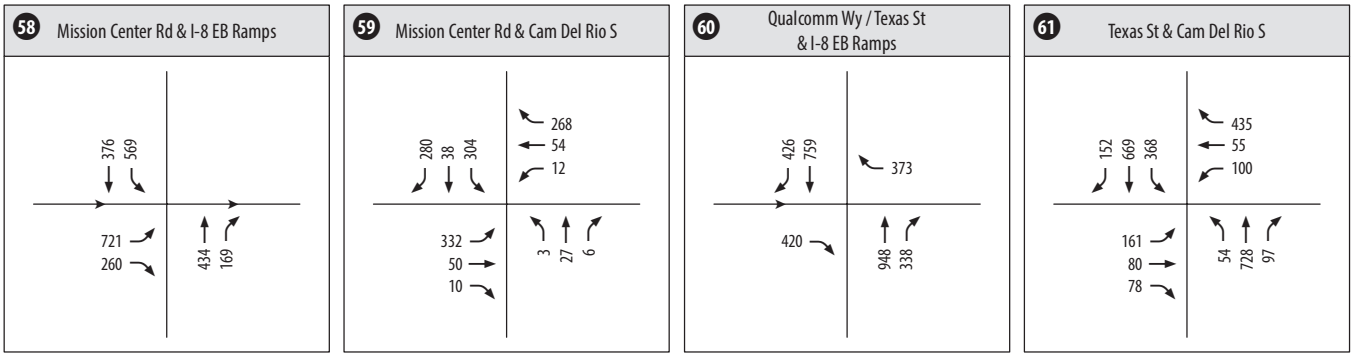
Figure 3-4a
Existing AM/PM Peak Period
Intersection Turning Movements (Intersections 58-67)



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Figure 3-4b
Midday Peak Period Intersection Turning Movements
(Intersections 11-14, 16, 22, 23, 35, 36, 38-42 and 48-52)



Legend

- X — Study Intersection
- Turn Movements
- MID — Peak Hour Volumes
- One-Way Roadway

*Names of North-South cross-streets always listed first

NORTH

NOT TO SCALE

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Figure 3-4b
Midday Peak Period Intersection Turning Movements
(Intersections 58-61)

Table 3.2 Existing Peak Hour Intersection Analysis

Intersection	Traffic Control	Count Date	Count Source	AM Peak Hour		PM Peak Hour		Midday Peak Hour	
				Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS
1: I-5 SB Ramps / Sea World Drive	Signal	9/10/2015	PTD	33.1	C	27.4	C	-	-
2: I-5 NB Ramps / Sea World Drive/Tecolote Road	Signal	9/10/2015	PTD	58.6	**E**	44.3	D	-	-
3: I-805 SB Ramps / Phyllis Place	Signal	9/16/2015	PTD	20.2	C	20.1	C	-	-
4: I-805 NB Ramps / Phyllis Place	Signal	9/16/2015	PTD	14.7	B	10.0	B	-	-
5: Mission Center Road / Mission Valley Road/Civita Boulevard	Signal	9/16/2015	PTD	31.1	C	78.9	**E**	-	-
6: Mission Center Road / Westside Drive	Signal	9/16/2015	PTD	20.9	C	15.6	B	-	-
7: Sea World Drive / Friars Road	Signal	9/10/2015	PTD	15.9	B	19.9	B	-	-
8: Napa Street / Friars Road	Signal	9/10/2015	PTD	12.0	B	7.7	A	-	-
9: Colusa Street / Friars Road	Signal	9/10/2015	PTD	15.0	B	16.3	B	-	-
10: Via Las Cumbres / Friars Road	Signal	9/10/2015	PTD	16.5	B	20.8	C	-	-
11: Fashion Valley Road / Friars Road	Signal	9/10/2015	PTD	22.0	C	51.3	D	12.0	B
12: Via De La Moda / Friars Road	Signal	9/10/2015	PTD	2.5	A	6.7	A	10.1	B
13: Avenida De Las Tiendas / Friars Road	Signal	9/10/2015	PTD	5.4	A	28.0	C	12.0	B
14: Ulric Street/SR-163 SB Ramps / Friars Road	Signal	9/10/2015	PTD	35.0	C	39.9	D	22.4	C
15: SR-163 NB Ramps / Friars Road	Signal	9/10/2015	PTD	11.3	B	12.2	B	-	-
16: Frazee Road / Friars Road	Signal	9/10/2015	PTD	37.1	D	66.5	**E**	38.4	D
17: Mission Center Road / Friars Road WB Ramps	Signal	9/16/2015	PTD	12.4	B	10.9	B	-	-
18: Mission Center Road / Friars Road EB Ramps	Signal	9/16/2015	PTD	20.5	C	44.0	D	-	-
19: Qualcomm Way / Friars Road WB Ramps	Signal	9/16/2015	PTD	12.4	B	13.1	B	-	-
20: Qualcomm Way / Friars Road EB Ramps	Signal	9/16/2015	PTD	7.2	A	8.8	A	-	-
21: River Run Drive / Friars Road	Signal	9/16/2015	PTD	18.6	B	21.0	C	-	-
22: Fenton Parkway / Friars Road	Signal	9/16/2015	PTD	26.3	C	21.2	C	22.8	C
23: Northside Drive / Friars Road	Signal	9/16/2015	PTD	29.2	C	55.5	**E**	42.2	D
24: Mission Village Drive / Friars Road WB Ramps	Signal	9/16/2015	PTD	9.2	A	38.1	D	-	-
25: Mission Village Drive / Friars Road EB Ramps	Signal	9/16/2015	PTD	44.5	D	52.5	D	-	-
26: I-15 SB Ramps / Friars Road	Signal	9/16/2015	PTD	38.1	D	57.5	**E**	-	-

Table 3.2 Existing Peak Hour Intersection Analysis

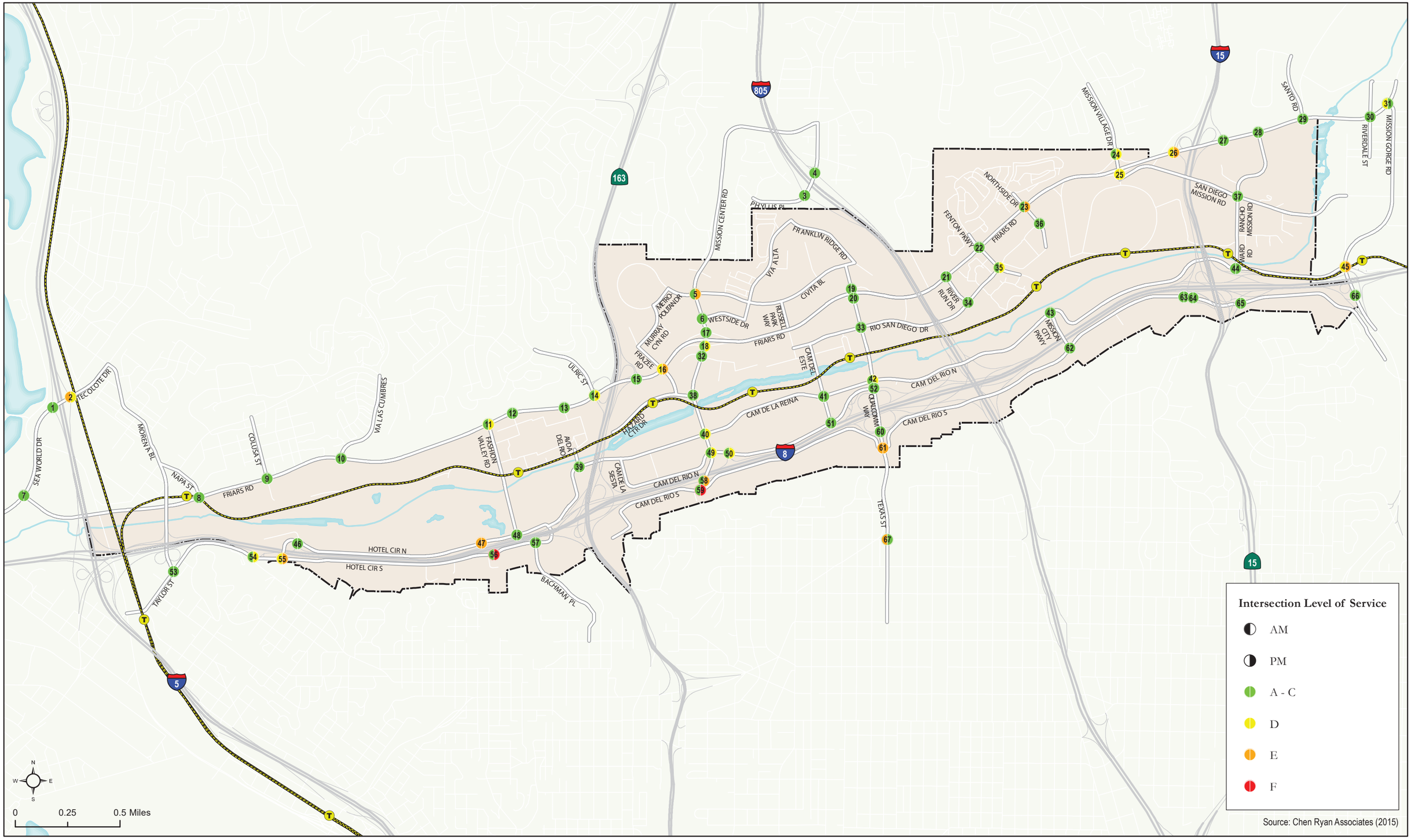
Intersection	Traffic Control	Count Date	Count Source	AM Peak Hour		PM Peak Hour		Midday Peak Hour	
				Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS
27: I-15 NB Ramps / Friars Road	Signal	9/16/2015	PTD	5.2	A	4.8	A	-	-
28: Rancho Mission Road / Friars Road	Signal	9/16/2015	PTD	21.5	C	34.4	C	-	-
29: Santo Road / Friars Road	Signal	9/17/2015	PTD	13.0	B	13.0	B	-	-
30: Riverdale Street / Friars Road	Signal	9/17/2015	PTD	29.4	C	26.2	C	-	-
31: Mission Gorge Road / Friars Road	Signal	9/17/2015	PTD	39.8	D	33.4	C	-	-
32: Mission Center Road / Mission Center Court	Signal	9/16/2015	PTD	25.3	C	24.8	C	-	-
33: Qualcomm Way / Rio San Diego Drive	Signal	9/16/2015	PTD	14.6	B	30.4	C	-	-
34: River Run Drive / Rio San Diego Drive	AWSC	9/16/2015	PTD	9.5	A	10.4	B	-	-
35: Fenton Parkway / Rio San Diego Drive	Signal	9/16/2015	PTD	16.0	B	35.7	D	32.3	C
36: Northside Drive / Rio San Diego Drive	Signal	9/16/2015	PTD	19.0	B	16.2	B	21.2	C
37: Rancho Mission Road / San Diego Mission Road	Signal	9/17/2015	PTD	27.3	C	31.6	C	-	-
38: Mission Center Road / Hazard Center Drive	Signal	9/10/2015	PTD	12.9	B	33.1	C	17.1	B
39: Avenida Del Rio / Camino De La Reina	Signal	9/10/2015	PTD	7.5	A	11.2	B	9.8	A
40: Mission Center Road / Camino De La Reina	Signal	9/10/2015	PTD	21.9	C	42.2	D	35.6	D
41: Camino Del Este / Camino De La Reina	Signal	9/16/2015	PTD	10.7	B	17.6	B	20.5	C
42: Qualcomm Way / Camino De La Reina	Signal	9/17/2015	PTD	16.7	B	37.8	D	41.4	D
43: Mission City Parkway / Camino Del Rio North	Signal	9/17/2015	PTD	13.3	B	9.4	A	-	-
44: Ward Road / Camino Del Rio North	Signal	9/17/2015	PTD	12.0	B	14.6	B	-	-
45: Fairmount Avenue / Camino Del Rio North/I-8 WB Off-Ramp	Signal	9/17/2015	PTD	51.4	D	72.7	**E**	-	-
46: I-8 WB Ramps / Hotel Circle North (W)	Signal	9/10/2015	PTD	6.6	A	6.6	A	-	-
47: I-8 WB Ramps/Handlery Driveway / Hotel Circle North (E)	AWSC	9/10/2015	PTD	36.6	**E**	41.0	**E**	-	-
48: Fashion Valley Road / Hotel Circle North	Signal	9/10/2015	PTD	10.0	A	16.2	B	11.5	B
49: Mission Center Road / Camino Del Rio North	Signal	9/10/2015	PTD	16.3	B	43.1	D	21.0	C
50: I-8 WB Ramps/Mission Valley Mall Driveway / Camino Del Rio North	Signal	9/10/2015	PTD	19.8	B	53.7	D	38.8	D
51: Camino Del Este / Camino Del Rio North	Signal	9/10/2015	PTD	18.5	B	33.8	C	29.1	C

Table 3.2 Existing Peak Hour Intersection Analysis

Intersection	Traffic Control	Count Date	Count Source	AM Peak Hour		PM Peak Hour		Midday Peak Hour	
				Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS
52: Qualcomm Way / Camino Del Rio N/I-8 WB Ramps	Signal	9/16/2015	PTD	12.4	B	17.7	B	15.7	B
53: Morena Boulevard / Taylor Street	Signal	9/10/2015	PTD	29.8	C	18.8	B	-	-
54: I-8 EB Ramps / Taylor Street	Signal	9/10/2015	PTD	20.3	C	39.4	D	-	-
55: Hotel Circle North / Taylor Street/Hotel Circle South	AWSC	11/19/2015	AVC	34.2	D	43.1	**E**	-	-
56: I-8 EB Ramps / Hotel Circle South	AWSC	9/10/2015	PTD	23.3	C	53.2	**F**	-	-
57: Bachman Place / Hotel Circle South	Signal	9/10/2015	PTD	22.9	C	19.5	B	-	-
58: Mission Center Road / I-8 EB Ramps	Signal	9/9/2015	PTD	17.5	B	60.5	**E**	51.1	D
59: Mission Center Road / Camino Del Rio South	Signal	9/10/2015	PTD	28.9	C	107.3	**F**	64.1	**E**
60: Qualcomm Way/Texas Street / I-8 EB Ramps	Signal	9/17/2015	PTD	0.9	A	0.8	A	1.0	A
61: Texas Street / Camino Del Rio South	Signal	9/16/2015	PTD	58.4	**E**	67.6	**E**	37.0	D
62: Mission City Parkway / Camino Del Rio South	Signal	9/17/2015	PTD	8.0	A	18.8	B	-	-
63: I-15 SB Off-Ramp / Camino Del Rio South	Signal	9/16/2015	PTD	3.5	A	6.9	A	-	-
64: I-15 SB On-Ramp / Camino Del Rio South	Signal	9/17/2015	PTD	1.3	A	3.2	A	-	-
65: I-15 NB Ramps / Camino Del Rio South	Signal	9/17/2015	PTD	17.0	B	11.6	B	-	-
66: Mission Gorge Road/Fairmount Avenue / I-8 EB Off-Ramp	Signal	9/17/2015	PTD	16.7	B	23.1	C	-	-
67: Texas Street / Madison Avenue	Signal	9/17/2015	PTD	64.3	**E**	31.9	C	-	-

Source: Pacific Technical Data, Accurate Video Counts, City of San Diego

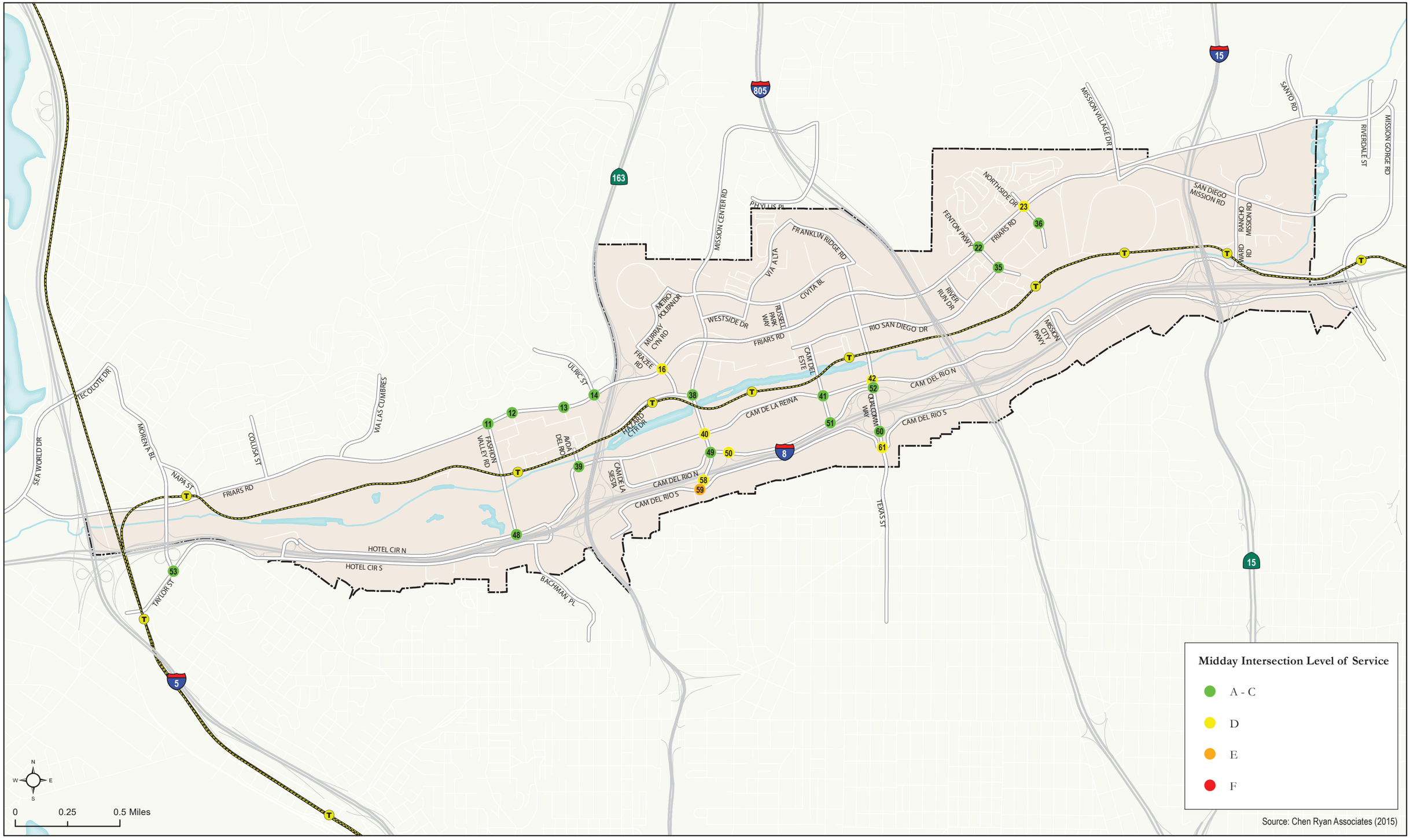
Notes:
Bold letter indicates substandard LOS E or F.
AWSC = All-way stop controlled.
PTD = Pacific Technical Data.
AVC = Accurate Video Counts.



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Figure 3-5a
Existing AM/PM Peak Hour Intersection LOS Results



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Figure 3-5b
Midday Peak Hour Intersection LOS Results

3.3 Freeway Segment Analysis

Five freeways run adjacent to or traverse Mission Valley, carrying significant traffic volumes while providing regional mobility. A description of each freeway is provided, within the Mission Valley study area context, followed by an operational analysis of freeway segments.

Interstate 5

Interstate 5 (I-5) is a north-south facility connecting San Diego County to the US-Mexico International Border to the south and Orange County to the north. The freeway is maintained and operated by Caltrans. I-5 has eight to nine mixed-flow/general purpose lanes (4 northbound lanes, 4-5 southbound lanes) and two to three auxiliary lanes (1 northbound lane, 1-2 southbound lanes) within the study area. Access within Mission Valley is provided by the I-8 interchange, however, I-5 is accessible just outside the community via Sea World Drive/Tecolote Road, Camino Del Rio West, Old Town Avenue. In 2015, I-5 accommodated between 203,000 and 205,000 ADT along segments adjacent to Mission Valley. Heavy vehicle traffic was estimated to account for 3.4% to 4.1% of total daily traffic.

State Route 163

State Route 163 (SR-163) is a north-south facility running from Interstate 15, north of State Route 52, to downtown San Diego. The freeway is maintained and operated by Caltrans. SR-163 varies from five to nine mixed-flow/general purpose lanes (3-5 northbound lanes, 2-4 southbound lanes) and zero to three auxiliary lanes (0-1 northbound lanes, 0-2 southbound lanes) within the study area. Access within Mission Valley is provided at Friars Road and the I-8 interchange. Genesee Avenue and Washington Street provide access to SR-163 just outside of the community. In 2015, SR-163 accommodated between 130,000 and 179,000 ADT along segments adjacent to Mission Valley. Heavy vehicle traffic was estimated to account for 3.0% to 3.7% of total daily traffic.

Interstate 805

Interstate 805 (I-805) is a north-south facility splitting from I-5 in Sorrento Valley and running parallel to I-5 to just north of the US-Mexico International Border, where the freeways merge back together. The freeway is maintained and operated by Caltrans. I-805 has nine to ten mixed-flow/general purpose lanes (4-5 northbound lanes, 4-6 southbound lanes) and zero to two auxiliary lanes (0-1 northbound lanes, 0-2 southbound lanes) within the study area. I-805 is accessible via the I-8 interchange within Mission Valley, and at Phyllis Place/Murray Ridge Road and Adams Avenue just outside of the community. In 2015, I-805 carried between 185,000 and 205,000 ADT along segments adjacent to Mission Valley. Heavy vehicle traffic was estimated to account for 6.5% of total daily traffic.

Interstate 15

Interstate 15 (I-15) is a north-south facility connecting San Diego County to Riverside County to the north and terminating in the Barrio Logan community, near I-5, to the south. South of I-8, I-15 becomes State Route 15 (SR-15). The freeway is maintained and operated by Caltrans. The freeway is comprised of seven to nine mixed-flow/general purpose lanes (3-4 northbound lanes, 3-5 southbound lanes) and zero to four auxiliary lanes (1-2 northbound, 0-3 southbound) within the study area. Access within Mission Valley is provided at Friars Road, the I-8 interchange, Camino Del Rio North, and Camino Del Rio South, with Adams Aero Drive and Adams Avenue providing access just outside of the community. In 2015, I-15 accommodated between 166,000 and 212,000 ADT along segments adjacent to Mission Valley. Heavy vehicle traffic was estimated to account for 2.2% to 5.0% of total daily traffic.

Interstate 8

Interstate 8 (I-8) is an east-west facility connecting Mission Valley to I-5 and the coastal communities to the west and La Mesa, El Cajon and eventually Imperial County to the east. The freeway is maintained and operated by Caltrans. Adjacent to Mission Valley I-8 varies from four to nine mixed-flow/general purpose lanes (2-5 westbound lanes, 2-5 eastbound lanes) and zero to four auxiliary lanes (0-2 westbound lanes, 0-2 eastbound lanes) adjacent to the community. Access within and adjacent to Mission Valley is provided at the I-5 interchange, Morena Boulevard, Taylor Street, Hotel Circle North (multiple access points), Hotel Circle South (multiple access points), SR-163 interchange, Mission Center Road, Camino Del Rio North, Qualcomm Way, I-805 interchange, Camino Del Rio South, and the I-15 interchange. In 2015, I-8 accommodated between 12,000 and 241,000 ADT along segments adjacent to Mission Valley. Heavy vehicle traffic was estimated to account for 1.0% to 3.5% of total daily traffic.

Tables 3.3a and 3.3b present freeway characteristics and the AM/PM level of service analysis results for segments within the vicinity of Mission Valley community plan update study area. Data was obtained from Caltrans and is representative of year 2015 and is provided in Appendix A.

As shown, the following 27 directional freeway segments operate at a substandard level of service E/F:

- EB I-8, I-5 Interchange to Morena Boulevard (PM – LOS E)
- EB I-8, Morena Boulevard to Taylor Street (PM – LOS F)
- EB I-8, Taylor Street to Hotel Circle (PM – LOS E)
- EB I-8, SR-163 Interchange to Mission Center Road (PM – LOS F)
- WB I-8, SR-163 Interchange to Mission Center Road (AM – LOS E)
- EB I-8, Mission Center Road to Qualcomm Way / Texas Street (PM – LOS F)
- WB I-8, Mission Center Road to Qualcomm Way / Texas Street (AM – LOS F)
- EB I-8, Qualcomm Way / Texas Street to I-805 Interchange (PM – LOS F)
- WB I-8, Qualcomm Way / Texas Street to I-805 Interchange (AM – LOS E)
- EB I-8, I-805 Interchange to I-15 Interchange (PM – LOS E)
- EB I-8, I-15 Interchange to Fairmount Avenue (PM – LOS F)
- SB I-5, Sea World Drive / Tecolote Road to I-8 Interchange (AM – LOS F)
- NB I-5, I-8 Interchange to Old Town Avenue (AM – LOS E)
- SB I-5, I-8 Interchange to Old Town Avenue (AM – LOS F)
- SB SR-163, Genesee Avenue to Friars Road (PM – LOS E)
- NB SR-163, Friars Road to I-8 Interchange (PM – LOS E)
- NB SR-163, I-8 Interchange to 6th Avenue (PM – LOS E)
- SB SR-163, 6th Avenue to Washington Street (AM & PM – LOS F)
- NB I-805, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (AM – LOS F)
- SB I-805, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (PM – LOS F)
- SB I-805, Murray Ridge Road / Phyllis Place to I-8 Interchange (PM – LOS F)
- NB I-805, I-8 Interchange to Adams Avenue (AM – LOS F)
- SB I-805, I-8 Interchange to Adams Avenue (PM – LOS E)
- NB I-805, Adams Avenue to El Cajon Boulevard (AM – LOS E)
- SB I-805, Adams Avenue to El Cajon Boulevard (PM – LOS F)
- NB I-15, Aero Drive to Friars Road (AM – LOS F)
- SB I-15, Aero Drive to Friars Road (PM – LOS E)

Table 3.3a Freeway Segment Level of Service Results – Existing Conditions AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	44.4%	7.8%	1.0%	12,000	429	70	3.2	A
		WB	2M	55.6%	7.2%	1.0%		470	70	3.6	A
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	44.2%	7.7%	1.2%	102,000	3,554	70	17.9	B
		WB	3M+1A	55.8%	7.1%	1.2%		3,927	69.6	19.9	C
	I-5 Interchange to Morena Boulevard	EB	3M	31.7%	7.8%	2.8%	131,000	2,769	70	14.1	B
		WB	4M	68.3%	6.8%	2.8%		5,227	69.6	20.1	C
	Morena Boulevard to Taylor Street	EB	4M+1A	31.7%	7.8%	2.8%	187,000	3,852	70	15.1	B
		WB	5M	68.3%	6.8%	2.8%		7,461	68.2	23.4	C
	Taylor Street to Hotel Circle	EB	4M	31.7%	7.8%	2.8%	194,000	4,100	70	15.6	B
		WB	4M+1A	68.3%	6.8%	2.8%		7,741	61.3	33.8	D
	Hotel Circle to SR-163 Interchange	EB	4M+2A	31.7%	7.8%	2.8%	204,000	4,312	65	14.2	B
		WB	5M	68.3%	6.8%	2.8%		8,140	63.4	27.4	D
	SR-163 Interchange to Mission Center Road	EB	4M	31.7%	7.8%	3.2%	210,000	4,438	70	16.9	B
		WB	3M+2A	68.3%	6.8%	3.2%		8,379	55	40.7	**E**
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	31.7%	7.8%	3.2%	225,000	4,755	65	19.5	C
		WB	4M+1A	68.3%	6.8%	3.2%		8,977	50.9	47.1	**F**
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	43.0%	7.8%	3.2%	199,000	6,854	62.4	29.4	D
		WB	4M+1A	57.0%	6.8%	3.2%		7,940	57.6	36.8	**E**
	I-805 Interchange to I-15 Interchange	EB	4M+2A	31.7%	7.8%	3.0%	241,000	5,094	70	15.6	B
		WB	4M+2A	68.3%	6.8%	3.0%		9,616	61.5	33.4	D
	I-15 Interchange to Fairmount Ave	EB	4M	32.0%	7.7%	3.5%	214,000	4,758	69.9	18.3	C
		WB	4M+2A	68.0%	7.4%	3.5%		8,838	64.3	29.5	D
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	54.0%	7.6%	3.4%	205,000	8,856	64.4	29.4	D
		SB	4M+2A	46.0%	7.1%	3.4%		11,370	52.5	46.3	**F**
	I-8 Interchange to Old Town Avenue	NB	4M+1A	54.0%	7.6%	4.1%	203,000	8,770	54.6	43.2	**E**
		SB	5M	46.0%	7.1%	4.1%		11,259	52.8	45.8	**F**
SR-163	Genesee Avenue to Friars Road	NB	5M	57.0%	8.8%	3.7%	179,000	9,183	63.1	31.3	D
		SB	4M	43.0%	8.4%	3.7%		6,150	67.6	24.4	C

Table 3.3a Freeway Segment Level of Service Results – Existing Conditions AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS
SR-163	Friars Road to I-8 Interchange	NB	3M	45.1%	7.9%	3.7%	153,000	5,136	65.3	28.2	D
		SB	4M+2A	54.9%	7.8%	3.7%		6,242	69.8	19.2	C
	I-8 Interchange to 6th Avenue	NB	3M+1A	45.1%	7.9%	3.0%	162,000	5,439	63.7	30.4	D
		SB	3M+2A	54.9%	7.8%	3.0%		6,610	66.3	26.6	D
	6th Avenue to Washington Street	NB	3M	45.1%	7.9%	3.0%	130,000	4,363	68.5	22.7	C
		SB	2M+1A	54.9%	7.8%	3.0%		5,304	39.1	72.5	**F**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	69.9%	7.6%	6.5%	197,000	11,032	53.2	45.2	**F**
		SB	5M	30.1%	8.1%	6.5%		4,742	70	14.8	B
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	74.6%	5.9%	6.5%	201,000	9,045	63.1	31.2	D
		SB	4M+2A	25.4%	8.4%	6.5%		4,106	70	12.8	B
	I-8 Interchange to Adams Avenue	NB	4M+1A	74.6%	5.9%	6.5%	205,000	9,225	50	50.3	**F**
		SB	6M	25.4%	8.4%	6.5%		4,188	70	10.9	A
	Adams Avenue to El Cajon Boulevard	NB	4M	74.6%	5.9%	6.5%	185,000	8,325	56.8	39.9	**E**
		SB	5M+1A	25.4%	8.4%	6.5%		3,779	70	11.8	B
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	60.5%	7.7%	5.0%	212,000	10,176	42.3	64.9	**F**
		SB	5M+1A+2ML	39.5%	7.5%	5.0%		6,649	69.4	20.7	C
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	205,000	8,871	64.5	29.2	D
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		8,364	63	28.2	D
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	172,000	7,443	63	31.4	D
		SB	5M	48.5%	8.2%	2.2%		7,018	69	21.6	C
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	166,000	7,183	64.2	29.7	D
		SB	5M+1A	48.5%	8.2%	2.2%		6,773	69.3	20.8	C

Source: Caltrans 2015 Traffic Volumes on California State Highways

Notes:
Bold letter indicates substandard LOS E or F.
M = Mainline. Aux = Auxiliary Lane.
Traffic volumes provided by Caltrans (2015).
[1] The capacity is calculated as 2,350 ADT per main lane and 1,410 ADT (60% of the main lane capacity) per auxiliary lane.
[2] D = Directional split.
[3] K = Peak hour %.
[4] HVF = Heavy vehicle %.

Table 3.3b Freeway Segment Level of Service Results – Existing Conditions PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	55.6%	7.8%	1.0%	12,000	538	70	4.1	A
		WB	2M	44.4%	7.2%	1.0%		376	70	2.8	A
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	54.8%	7.7%	1.2%	102,000	4,488	68.3	23.2	C
		WB	3M+1A	45.2%	7.1%	1.2%		3,244	70	16.3	B
	I-5 Interchange to Morena Boulevard	EB	3M	57.0%	7.8%	2.8%	131,000	5,974	60	35.5	**E**
		WB	4M	43.0%	6.8%	2.8%		3,948	70	15.1	B
	Morena Boulevard to Taylor Street	EB	4M+1A	57.0%	7.8%	2.8%	187,000	8,527	56.5	40.3	**F**
		WB	5M	43.0%	6.8%	2.8%		5,636	70	17.2	B
	Taylor Street to Hotel Circle	EB	4M	57.0%	7.8%	2.8%	194,000	8,846	54.3	43.5	**E**
		WB	4M+1A	43.0%	6.8%	2.8%		5,847	68.5	22.8	C
	Hotel Circle to SR-163 Interchange	EB	4M+2A	57.0%	7.8%	2.8%	204,000	9,302	60.1	33.1	D
		WB	5M	43.0%	6.8%	2.8%		6,148	65	20.2	C
	SR-163 Interchange to Mission Center Road	EB	4M	57.0%	7.8%	3.2%	210,000	9,576	48.6	52.6	**F**
		WB	3M+2A	43.0%	6.8%	3.2%		6,329	63.8	26.5	D
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	57.0%	7.8%	3.2%	225,000	10,260	39.5	69.4	**F**
		WB	4M+1A	43.0%	6.8%	3.2%		6,781	62.2	28.9	D
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	57.0%	7.8%	3.2%	199,000	9,074	50.1	48.4	**F**
		WB	4M+1A	43.0%	6.8%	3.2%		5,997	64.4	24.9	C
	I-805 Interchange to I-15 Interchange	EB	4M+2A	57.0%	7.8%	3.0%	241,000	10,990	54.7	42.9	**E**
		WB	4M+2A	43.0%	6.8%	3.0%		7,263	68.6	22.6	C
	I-15 Interchange to Fairmount Ave	EB	4M	59.2%	7.7%	3.5%	214,000	10,101	43.5	62.3	**F**
		WB	4M+2A	40.8%	7.4%	3.5%		6,081	69.9	18.7	C
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	40.5%	7.6%	3.4%	205,000	6,036	69.9	18.5	C
		SB	4M+2A	59.5%	7.1%	3.4%		7,749	67.7	24.5	C
	I-8 Interchange to Old Town Avenue	NB	4M+1A	40.5%	7.6%	4.1%	203,000	5,977	68.1	23.6	C
		SB	5M	59.5%	7.1%	4.1%		7,673	67.7	24.4	C
SR-163	Genesee Avenue to Friars Road	NB	5M	48.4%	8.8%	3.7%	179,000	8,613	65.1	28.4	D
		SB	4M	51.6%	8.4%	3.7%		8,162	58.6	37.4	**E**

Table 3.3b Freeway Segment Level of Service Results – Existing Conditions PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS
SR-163	Friars Road to I-8 Interchange	NB	3M	50.9%	7.9%	3.7%	153,000	6,242	57.6	38.8	**E**
		SB	4M+2A	49.1%	7.8%	3.7%		6,022	69.9	18.5	C
	I-8 Interchange to 6th Avenue	NB	3M+1A	50.9%	7.9%	3.0%	162,000	6,610	54.6	43.2	**E**
		SB	3M+2A	49.1%	7.8%	3.0%		6,376	67.1	25.4	C
	6th Avenue to Washington Street	NB	3M	50.9%	7.9%	3.0%	130,000	5,304	64.5	29.3	D
		SB	2M+1A	49.1%	7.8%	3.0%		5,116	42.7	63.9	**F**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	35.5%	7.6%	6.5%	197,000	6,064	69.8	18.9	C
		SB	5M	64.5%	8.1%	6.5%		11,032	53.2	45.2	**F**
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	37.3%	5.9%	6.5%	201,000	5,376	70	16.7	B
		SB	4M+2A	62.7%	8.4%	6.5%		12,060	46.3	56.7	**F**
	I-8 Interchange to Adams Avenue	NB	4M+1A	25.4%	5.9%	6.5%	205,000	3,141	70	12.2	B
		SB	6M	74.6%	8.4%	6.5%		12,300	57.6	38.8	**E**
	Adams Avenue to El Cajon Boulevard	NB	4M	37.3%	5.9%	6.5%	185,000	4,948	69.7	19.3	C
		SB	5M+1A	62.7%	8.4%	6.5%		11,100	52.8	45.8	**F**
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	39.2%	7.7%	5.0%	212,000	6,569	66.2	26.8	D
		SB	5M+1A+2ML	60.8%	7.5%	5.0%		10,176	58.5	37.5	**E**
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	205,000	8,364	66.1	26.9	D
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		7,886	63.9	26.2	D
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	172,000	7,018	64.9	28.7	D
		SB	5M	48.5%	8.2%	2.2%		6,617	69.5	20.2	C
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	166,000	6,773	65.8	27.3	D
		SB	5M+1A	48.5%	8.2%	2.2%		6,386	69.7	19.5	C

Source: Caltrans 2015 Traffic Volumes on California State Highways

Notes:
Bold letter indicates substandard LOS E or F.
M = Mainline. Aux = Auxiliary Lane.
Traffic volumes provided by Caltrans (2015).
[1] The capacity is calculated as 2,350 ADT per main lane and 1,410 ADT (60% of the main lane capacity) per auxiliary lane.
[2] D = Directional split.
[3] K = Peak hour %.
[4] HVF = Heavy vehicle %.

3.4 Freeway Ramp Metering Analysis

Table 3.4 presents the ramp metering analysis results for freeway ramp locations where metering is in place for either the AM or PM peak period. As previously mentioned, ramp meter rates were obtained from Caltrans District 11, and are provided along with traffic signal timing information in Appendix B. As shown in Table 3.4, none of the ramp meters within the study communities experience delays in excess of 15 minutes.

Table 3.4 Existing Freeway Ramp Metering Analysis

Location	Peak Hour	Total Demand [1] (veh/hr)	SOV Demand[2]	Meter Rate [3] (veh/hr)	Excess Demand [4] (veh/hr)	Delay [5] (min)	Queue [6] (ft)
I-5 NB On-ramp @ Sea World Drive	AM	1,564	782	965	0	0	0
	PM	1,236	618	972	0	0	0
I-5 SB On-ramp @ Sea World Drive	AM	318	318	444	0	0	0
	PM	277	277	444	0	0	0
I-805 NB On-ramp @ Murray Ridge Road	AM	350	350	851	0	0	0
	PM	394	394		Not Metered		
I-805 SB On-ramp @ Phyllis Place	AM	466	438		Not Metered		
	PM	742	586	691	0	0	0
I-15 NB On-ramp @ Friars Road	AM	1,299	552	558	0	0	0
	PM	1,190	530	529	1	0.11	25
I-15 SB On-ramp @ Friars Road (EB approach)	AM	536	536		Not Metered		
	PM	889	889	996	0	0	0
I-15 SB On-ramp @ Friars Road (WB approach)	AM	684	684		Not Metered		
	PM	748	748	828	0	0	0
I-8 EB On-ramp @ Texas Street (NB approach)	AM	321	321		Not Metered		
	PM	374	374	810	0	0	0
I-8 EB On-ramp @ Texas Street (SB approach)	AM	136	136		Not Metered		
	PM	471	396	444	0	0	0
I-8 EB On-ramp @ Fairmount Avenue (NB approach)	AM	480	480		Not Metered		
	PM	480	480	745	0	0	0
I-8 EB On-ramp @ Fairmount Avenue (SB approach)	AM	231	231		Not Metered		
	PM	593	593	745	0	0	0

Source: Caltrans Ramp Metering Data (2015)

Notes:
SOV = Single Occupancy Vehicle.
[1] Total Demand is the peak hour demand for both SOV and HOV lanes expected to use the on-ramp.
[2] SOV Demand = (Total Demand) – (HOV Demand).
[3] Meter Rate is the peak hour capacity expected to be processed through the ramp meter per lane. This value was obtained from Caltrans. The average between the "high" and "low" meter rate was used for this analysis.
[4] Excess Demand = (Demand) – (Meter Rate) or zero, whichever is greater.
[5] Delay = (Excess Demand / Meter Rate) X 60 min/hr.
[6] Queue = (Excess Demand) X 29 ft/veh. SOV volumes were used in the calculation of Queue. A zero represents no excess queue. It is important to note the on-ramps queues could also occur as a result of freeway congestion as the lack freeway capacity could limit the number of vehicles that can merge onto the freeway.
*HOV demand was obtained from Caltrans Performance Measurements System (PeMS).

4.0 Adopted Community Plan (No-Project)

This chapter discusses the traffic operations under the currently Adopted Community Plan (ACP) conditions and assesses potential traffic impacts by comparing the Adopted Community Plan to the existing conditions. Roadway and freeway segments were evaluated in determining traffic impacts associated with the currently Adopted Community Plan. Since this is not an alternative for possible adoption, intersection-level analysis was not conducted and mitigation measures were also not provided.

4.1 Roadway Segment Analysis

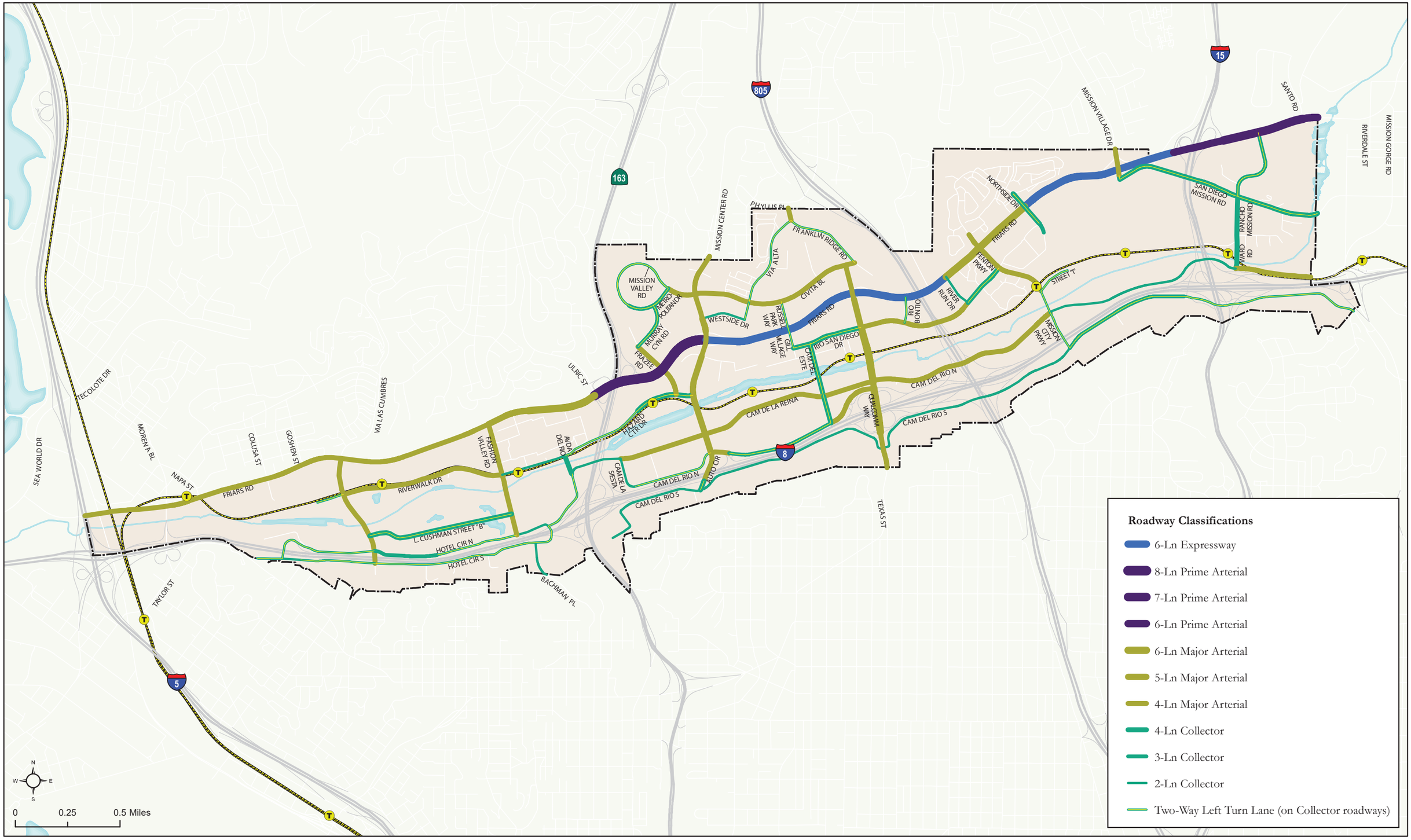
Roadway classification assumptions were largely based on the currently adopted Community Plan *Horizon Year Recommended Street Classification (*Figure 13 and page 83 of the *1985 Mission Valley Community Plan)*. Exceptions were made based on high level feasibility reviewed of the adopted plan classification, these facilities include:

- Friars Road, between Colusa Street and Via Las Cumbres - 1985 ACP: 6-Ln Major Arterial; Assumed: 4-Ln Major Arterial
- Friars Road, between Via Las Cumbres and Fashion Valley Road - 1985 ACP: 6-Ln Major Arterial; Assumed: 4-Ln Major Arterial
- Friars Road, between Fashion Valley Road and Via De La Moda - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Friars Road, between Via De La Moda and Fashion Valley Driveway - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Friars Road, between River Run Drive and Fenton Parkway - 1985 ACP: 6-Ln Expressway; Assumed: 6-Ln Major Arterial
- Friars Road, between Fenton Parkway and Northside Drive - 1985 ACP: 6-Ln Expressway; Assumed: 6-Ln Major Arterial
- Friars Road, between I-15 NB Ramps and Rancho Mission Road - 1985 ACP: 8-Ln Prime Arterial; Assumed: 7-Ln Prime Arterial
- Friars Road, between Rancho Mission Road and Santo Road - 1985 ACP: 8-Ln Prime Arterial; Assumed: 7-Ln Prime Arterial
- Hazard Center Drive, between Avenida Del Rio and Hazard Center W. Driveway - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- San Diego Mission Road, between Friars Road EB Ramps and Rancho Mission Road - 1985 ACP: 4-Ln Major Arterial; Assumed: 4-Ln Collector w/o TWLTL
- Hotel Circle North, between Hotel Circle South and Fashion Valley Road - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector No Fronting Property
- Hotel Circle North, between Fashion Valley Road and I-8 WB Off-Ramp - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Hotel Circle North, between Via Las Cumbres and I-8 WB On-Ramp - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Hotel Circle North, between I-8 WB On-Ramp and Hotel Circle South - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Camino De La Reina, between Hotel Circle North and Avenida Del Rio - 1985 ACP: 4-Ln Major Arterial; Assumed: 2-Ln Collector w/ TWLTL
- Camino De La Reina, between Avenida Del Rio and Camino De La Siesta - 1985 ACP: 4-Ln Major Arterial; Assumed: 2-Ln Collector No Fronting Property

- Camino Del Rio North, between Camino De La Siesta and Mission Center Road - 1985 ACP: 3-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Camino Del Rio North, between I-8 WB Ramps and Camino Del Este - 1985 ACP: 4-Ln Collector; Assumed: 3-Ln Collector w/ RM
- Camino Del Rio North, between Mission City Parkway and 800 Feet East of Mission City Parkway - 1985 ACP: 4-Ln Major Arterial; Assumed: 2-Ln Collector No Fronting Property
- Camino Del Rio North, between 800 Feet East of Mission City Parkway and 1800 Feet West of Ward Road - 1985 ACP: 4-Ln Major Arterial; Assumed: 2-Ln Collector w/ TWLTL
- Camino Del Rio North, between 1800 Feet West of Ward Road and Ward Road - 1985 ACP: 4-Ln Major Arterial; Assumed: 2-Ln Collector No Fronting Property
- Camino Del Rio North, between 1000 Feet West of Fairmount Avenue and Fairmount Avenue - 1985 ACP: 4-Ln Major Arterial; Assumed: 4-Ln Collector w/ TWLTL
- Hotel Circle South, between Taylor Street and I-8 EB Off-Ramp - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector No Fronting Property
- Hotel Circle South, between I-8 EB Off-Ramp and Via Las Cumbres - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Hotel Circle South, between Via Las Cumbres and I-8 EB On-Ramp - 1985 ACP: 3-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Hotel Circle South, between I-8 EB On-Ramp and Hotel Circle North - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Camino Del Rio South, between 1800 Feet west of Mission Center Road and Mission Center Road - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/o TWLTL
- Camino Del Rio South, between Mission Center Road and Texas Street - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/o TWLTL
- Camino Del Rio South, between Texas Street and Mission City Parkway - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/o TWLTL
- Camino Del Rio South, between Mission City Parkway and I-15 SB Offramp - 1985 ACP: 4-Ln Collector; Assumed: 3-Ln Collector w/ TWLTL
- Camino Del Rio South, between I-15 SB Offramp and I-15 SB Onramp - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Camino Del Rio South, between I-15 SB Onramp and Fairmount Avenue - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/ TWLTL
- Colusa Street, between Friars Road and Riverwalk Drive - 1985 ACP: 4-Ln Collector; Assumed: Removed
- Metropolitan Drive, between Mission Valley Road and Murray Canyon Road - 1985 ACP: 2-Ln Collector; Assumed: 3-Ln Collector w/ TWLTL
- Murray Canyon Road, between Metropolitan Drive and Frazee Road - 1985 ACP: 4-Ln Collector; Assumed: 3-Ln Collector w/ TWLTL
- Frazee Road, between Murray Canyon Road and Friars Road - 1985 ACP: 4-Ln Collector; Assumed: 4-Ln Major Arterial
- Mission Center Road, between Murray Ridge Road and 1200 Feet West of Murray Ridge Road - 1985 ACP: 4-Ln Collector; Assumed: 2-Ln Collector w/o TWLTL
- Mission Center Road, between 1200 Feet West of Murray Ridge Road and 950 Feet North of Mission Valley Road - 1985 ACP: 4-Ln Collector; Assumed: 3-Ln Collector
- Mission Center Road, between Mission Valley Road and Westside Drive - 1985 ACP: 6-Ln Major Arterial; Assumed: 4-Ln Major Arterial

- Mission Center Road, between Westside Drive and Friars Road WB Ramps - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Mission Center Road, between Friars Road WB Ramps and Friars Road EB Ramps - 1985 ACP: 6-Ln Major Arterial; Assumed: 4-Ln Major Arterial
- Mission Center Road, between Friars Road EB Ramps and Mission Center Court - 1985 ACP: 6-Ln Major Arterial; Assumed: 4-Ln Major Arterial
- Mission Center Road, between Mission Center Court and Hazard Center Drive - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Mission Center Road, between Hazard Center Drive and Camino De La Reina - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Mission Center Road, between Camino De La Reina and Camino Del Rio North - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Auto Circle, between Camino Del Rio North and I-8 EB Ramps - 1985 ACP: 6-Ln Major Arterial; Assumed: 4-Ln Major Arterial
- Auto Circle, between I-8 EB Ramps and Camino Del Rio South - 1985 ACP: 6-Ln Major Arterial; Assumed: 4-Ln Collector w/ RM
- Qualcomm Way, between Friars Road EB Ramps and Rio San Diego Drive - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Qualcomm Way, between Camino Del Rio North and I-8 WB Ramps - 1985 ACP: 6-Ln Major Arterial; Assumed: 5-Ln Major Arterial
- Fenton Parkway, between Portofino Driveway and Friars Road - 1985 ACP: 4-Ln Collector; Assumed: 4-Lane Major Arterial
- Mission City Parkway, between Camino Del Rio North and Camino Del Rio South - 1985 ACP: 4-Ln Major Arterial; Assumed: 2-Ln Collector w/ No Fronting Property
- Northside Drive, between Friars Road and Fenton Marketplace Driveway - 1985 ACP: 4-Ln Primary Arterial; Assumed: 4-Ln Collector w/ RM
- Northside Drive, between Fenton Marketplace Driveway and Lowe's Frontage Road - 1985 ACP: 4-Ln Primary Arterial; Assumed: 3-Ln Collector w/ RM
- Rancho Mission Road, between Friars Road and San Diego Mission Road - 1985 ACP: 4-Ln Collector; Assumed: 3-Ln Collector w/ TWLTL
- Riverwalk Drive, between Friars Road and Colusa Street - 1985 ACP: 4-Ln Major Arterial; Assumed: Removed
- Riverwalk Drive, between Colusa Street and Via Las Cumbres - 1985 ACP: 4-Ln Major Arterial; Assumed: Local Collector
- Riverwalk Drive, between Fashion Valley Road and Avenida Del Rio - 1985 ACP: 4-Ln Collector w/ TWLTL; Assumed: 2-Ln Collector w/ Commercial Fronting

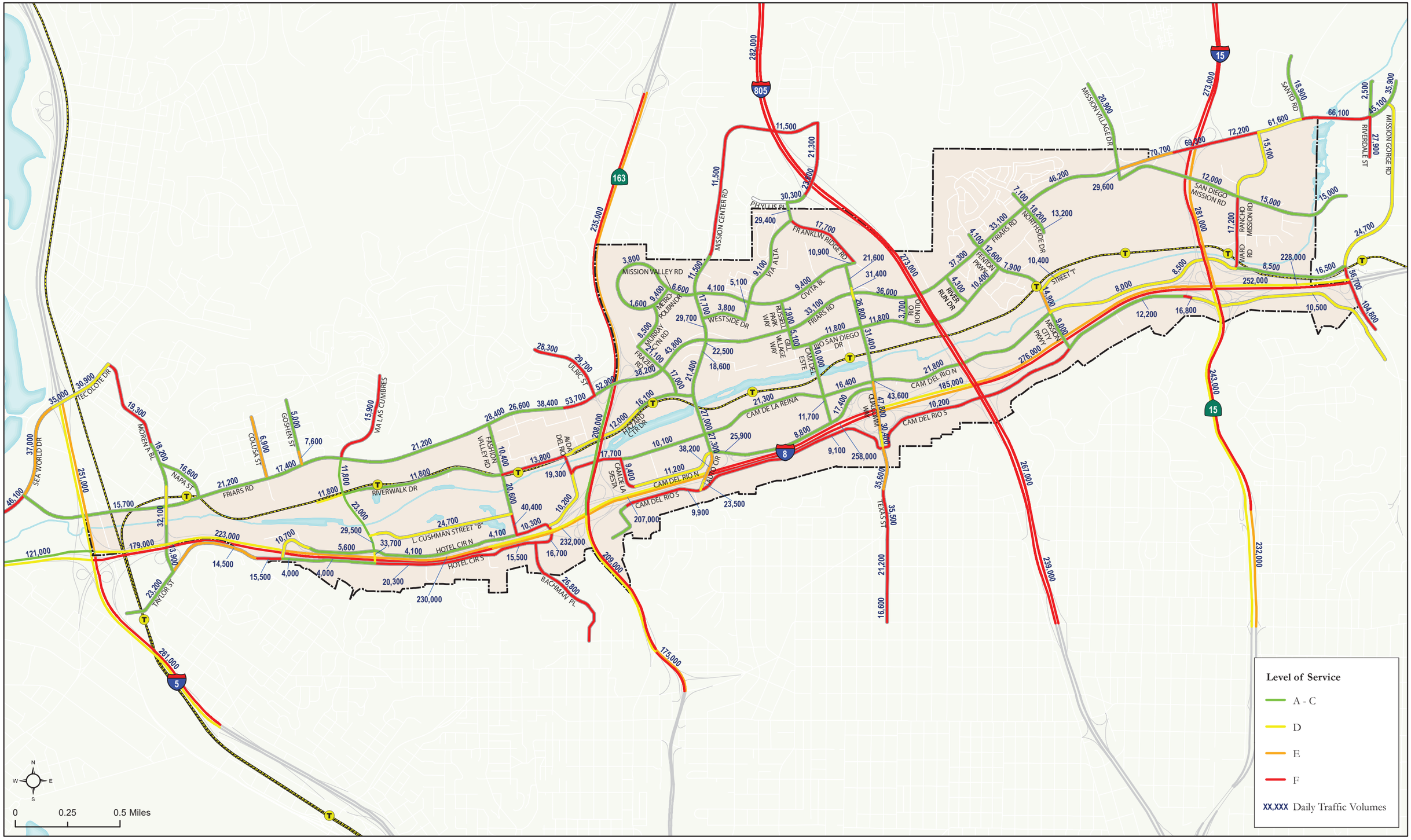
Figure 4-1 displays the roadway classification for the Adopted Community Plan scenario; while Figure 4-2 and Table 4.1 illustrate both forecasted ADT volumes and associated roadway LOS. Table 4.1 also identifies any potential traffic impacts associated with the Adopted Community Plan when comparing to the existing conditions.



Mission Valley Community Plan Update
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Figure 4-1
Roadway Classifications - Adopted Community Plan



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Figure 4-2
Daily Roadway Segment Traffic Volumes and Level of Service - Adopted Community Plan

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

Roadway	Segment	Adopted Community Plan					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Phyllis Place	Franklin Ridge Road to I-805 SB Ramps	5-Ln Major Arterial	45,000	30,300	0.673	C	2-Ln Collector w/o TWLTL	2,270	0.284	A	0.389	N
Sea World Drive	Mission Bay Parkway to Friars Road	4-Ln Major Arterial	40,000	46,100	1.153	**F**	4-Ln Major Arterial	34,200	0.855	D	0.298	**Y**
Sea World Drive	Friars Road to I-5 SB Ramps	4-Ln Major Arterial	40,000	37,000	0.925	**E**	4-Ln Major Arterial	29,490	0.737	C	0.188	**Y**
Tecolote Road	I-5 SB Ramps and I-5 NB Ramps	4-Ln Major Arterial	40,000	35,000	0.875	D	4-Ln Major Arterial	30,470	0.762	D	0.113	N
Tecolote Road	I-5 NB Ramps to Morena Boulevard	4-Ln Major Arterial	40,000	30,900	0.773	D	4-Ln Major Arterial	22,410	0.560	C	0.213	N
Mission Valley Road	Frazee Road to Metropolitan Drive (clockwise)	2-Ln Collector w/ TWLTL	15,000	3,800	0.253	A	2-Ln Collector w/ TWLTL	7,440	0.496	C	-0.243	N
Mission Valley Road	Metropolitan Drive to Mission Center Road (east of loop)	4-Ln Major Arterial	40,000	6,600	0.165	A	4-Ln Major Arterial	7,440	0.186	A	-0.021	N
Civita Boulevard	Mission Center Road to Via Alta	4-Ln Major Arterial	40,000	4,100	0.103	A	4-Ln Major Arterial	2,480	0.062	A	0.041	N
Civita Boulevard	Via Alta to Qualcomm Way	4-Ln Major Arterial	40,000	9,400	0.235	A	4-Ln Major Arterial	2,480	0.062	A	0.173	N
Civita Boulevard	Qualcomm Way to Franklin Ridge Road	4-Ln Major Arterial	40,000	10,900	0.273	A	4-Ln Major Arterial	2,480	0.062	A	0.211	N
Westside Drive	Mission Center Road to Via Alta	2-Ln Collector w/o TWLTL	8,000	3,800	0.475	C	2-Ln Collector w/o TWLTL	4,070	0.508	C	-0.033	N
Friars Road	Sea World Drive to Napa Street	4-Ln Major Arterial	40,000	15,700	0.393	B	4-Ln Major Arterial	13,650	0.341	A	0.052	N
Friars Road	Napa Street to Colusa Street	4-Ln Major Arterial	40,000	21,200	0.530	C	4-Ln Major Arterial	19,170	0.479	B	0.051	N
Friars Road	Colusa Street to Via Las Cumbres	4-Ln Major Arterial	40,000	17,400	0.435	B	4-Ln Major Arterial	19,200	0.480	B	-0.045	N
Friars Road	Via Las Cumbres to Fashion Valley Road	4-Ln Major Arterial	40,000	21,200	0.530	C	4-Ln Major Arterial	22,270	0.557	C	-0.027	N
Friars Road	Fashion Valley Road to Via De La Moda	5-Ln Major Arterial (3 EB, 2 WB)	45,000	28,400	0.631	C	5-Ln Major Arterial (3 EB, 2 WB)	26,100	0.580	C	0.051	N
Friars Road	Via De La Moda to Fashion Valley Driveway	5-Ln Major Arterial (3 EB, 2 WB)	45,000	26,600	0.591	C	5-Ln Major Arterial (3 EB, 2 WB)	25,920	0.576	C	0.015	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

		Adopted Community Plan					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Friars Road	Fashion Valley Driveway to Avenida De Las Tiendas	6-Ln Major Arterial	50,000	38,400	0.768	C	6-Ln Major Arterial	26,830	0.537	B	0.231	N
Friars Road	Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps	6-Ln Major Arterial	50,000	53,700	1.074	**F**	6-Ln Major Arterial	40,510	0.810	D	0.264	**Y**
Friars Road	Ulric Street/SR-163 SB Ramps to SR-163 NB Ramps	8-Ln Prime Arterial	80,000	52,900	0.661	C	6-Ln Prime Arterial	53,170	0.886	D	-0.225	N
Friars Road	SR-163 NB Ramps to Frazee Road	8-Ln Prime Arterial	80,000	38,200	0.478	B	6-Ln Prime Arterial	54,150	0.902	D	-0.425	N
Friars Road	Frazee Road to Mission Center Road	8-Ln Prime Arterial	80,000	43,800	0.548	B	7-Ln Expressway	42,780	0.458	B	0.090	N
Friars Road	Mission Center Road to Qualcomm Way	6-Ln Expressway	80,000	33,100	0.414	B	6-Ln Expressway	37,050	0.463	B	-0.049	N
Friars Road	Qualcomm Way to River Run Drive	6-Ln Expressway	80,000	36,000	0.450	B	6-Ln Expressway	33,250	0.416	B	0.034	N
Friars Road	River Run Drive to Fenton Parkway	6-Ln Major Arterial	50,000	37,300	0.746	C	6-Ln Prime Arterial	22,080	0.368	A	0.378	N
Friars Road	Fenton Parkway to Northside Drive	6-Ln Major Arterial	50,000	33,100	0.662	C	6-Ln Prime Arterial	28,430	0.474	B	0.188	N
Friars Road	Northside Drive to Mission Village Drive	6-Ln Expressway	80,000	46,200	0.578	C	6-Ln Expressway	45,330	0.567	C	0.011	N
Friars Road	Mission Village Drive to I-15 SB Ramps	6-Ln Expressway	80,000	70,700	0.884	**E**	6-Ln Expressway	57,740	0.722	C	0.162	**Y**
Friars Road	I-15 SB Ramps to I-15 NB Ramps	6-Ln Prime Arterial	60,000	69,300	1.155	**F**	6-Ln Prime Arterial	46,570	0.776	C	0.379	**Y**
Friars Road	I-15 NB Ramps to Rancho Mission Road	7-Ln Prime Arterial[1]	70,000	72,200	1.031	**F**	7-Ln Prime Arterial[1]	51,610	0.737	C	0.294	**Y**
Friars Road	Rancho Mission Road to Santo Road	7-Ln Prime Arterial[1]	70,000	61,600	0.880	D	7-Ln Prime Arterial[1]	39,430	0.563	B	0.317	N
Friars Road	Santo Road to Riverdale Street	6-Ln Prime Arterial	60,000	66,100	1.102	**F**	6-Ln Prime Arterial	43,380	0.723	C	0.379	**Y**
Friars Road	Riverdale Street to Mission Gorge Road	6-Ln Prime Arterial	60,000	45,100	0.752	C	6-Ln Prime Arterial	31,300	0.522	B	0.230	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

Roadway	Segment	Adopted Community Plan					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Mission Gorge Road	Friars Road to Zion Avenue	6-Ln Prime Arterial	60,000	35,900	0.598	C	6-Ln Prime Arterial	40,690	0.678	C	-0.080	N
Hazard Center Drive	Avenida Del Rio to Hazard Center W. Driveway	2-Ln Collector w/ TWLTL	15,000	12,000	0.800	D	Does Not Exist				0.800	N
Hazard Center Drive	Hazard Center W. Driveway to Mission Center Road	4-Ln Collector w/ TWLTL	30,000	16,100	0.537	C	4-Ln Collector w/ TWLTL	8,710	0.290	A	0.247	N
Rio San Diego Drive	Gill Village Way to Qualcomm Way	4-Ln Collector w/ TWLTL	30,000	11,800	0.393	B	4-Ln Collector w/ TWLTL	10,500	0.350	B	0.043	N
Rio San Diego Drive	Qualcomm Way to River Run Drive	4-Ln Major Arterial	40,000	11,800	0.295	A	4-Ln Major Arterial	11,280	0.282	A	0.013	N
Rio San Diego Drive	River Run Drive to Fenton Parkway	4-Ln Collector w/ TWLTL	30,000	10,400	0.347	B	4-Ln Collector w/ RM	9,090	0.303	A	0.044	N
San Diego Mission Road	Friars Road EB Ramps to Rancho Mission Road	4-Ln Collector w/ TWLTL	30,000	12,000	0.400	B	4-Ln Collector w/o TWLTL	7,590	0.506	C	-0.106	N
San Diego Mission Road	Rancho Mission Road to 950' West of Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	15,000	0.500	C	2-Ln Collector w/ TWLTL	8,020	0.534	C	-0.034	N
San Diego Mission Road	950' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	15,000	0.500	C	2-Ln Collector w/o TWLTL (NFP)	8,020	0.802	D	-0.302	N
Taylor Street	Pacific Highway to Morena Boulevard	5-Ln Major Arterial (3 EB, 2 WB)	45,000	23,200	0.516	B	5-Ln Major Arterial (3 EB, 2 WB)	19,060	0.423	B	0.093	N
Taylor Street	Morena Boulevard to I-8 EB Ramps	2-Ln Collector w/ TWLTL	15,000	14,500	0.967	**E**	2-Ln Collector w/o TWLTL (NFP)	17,750	1.775	**F**	-0.808	N
Taylor Street	I-8 EB Ramps to Hotel Circle South	2-Ln Collector w/ TWLTL	15,000	15,500	1.033	**F**	2-Ln Collector w/ TWLTL	14,410	0.961	**E**	0.072	**Y**
Hotel Circle North	Hotel Circle South to Fashion Valley Road	2-Ln Collector w/o TWLTL (NFP)	10,000	10,300	1.030	**F**	2-Ln Collector w/ TWLTL	12,460	0.831	D	0.199	**Y**
Hotel Circle North	Fashion Valley Road to I-8 WB Off-Ramp	2-Ln Collector w/ TWLTL	15,000	4,100	0.273	A	3-Ln Collector (2 EB, 1 WB)	15,510	1.410	**F**	-1.137	N
Hotel Circle North	I-8 WB Off-Ramp to Via Las Cumbres	3-Ln Collector (2 EB, 1 WB)	11,000	4,100	0.373	B	2-Ln Collector w/ TWLTL	6,510	0.434	B	-0.061	N
Hotel Circle North	Via Las Cumbres to I-8 WB On-Ramp	2-Ln Collector w/ TWLTL	15,000	5,600	0.373	B	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-1.161	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

		Adopted Community Plan					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Hotel Circle North	I-8 WB On-Ramp to Hotel Circle South	2-Ln Collector w/ TWLTL	15,000	10,700	0.713	D	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-0.821	N
Camino De La Reina	Hotel Circle North to Avenida Del Rio	2-Ln Collector w/ TWLTL	15,000	10,200	0.680	D	2-Ln Collector w/ TWLTL	8,480	0.566	C	0.114	N
Camino De La Reina	Avenida Del Rio to Camino De La Siesta	2-Ln Collector w/o TWLTL (NFP)	10,000	17,700	1.770	**F**	2-Ln Collector w/o TWLTL (NFP)	13,360	1.336	**F**	0.434	**Y**
Camino De La Reina	Camino De La Siesta to Mission Center Road	4-Ln Major Arterial	40,000	10,100	0.253	A	4-Ln Major Arterial	10,730	0.268	A	-0.016	N
Camino De La Reina	Mission Center Road to Camino Del Este	4-Ln Major Arterial	40,000	21,300	0.533	C	4-Ln Major Arterial	18,530	0.463	B	0.070	N
Camino De La Reina	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	16,400	0.410	B	4-Ln Major Arterial	13,770	0.344	A	0.066	N
Camino Del Rio North	Camino De La Siesta to Mission Center Road	2-Ln Collector w/ TWLTL	15,000	11,200	0.747	D	2-Ln Collector w/ TWLTL	5,430	0.362	B	0.385	N
Camino Del Rio North	Mission Center Road to I-8 WB Ramps	4-Ln Major Arterial	40,000	25,900	0.648	C	4-Ln Major Arterial	24,030	0.601	C	0.047	N
Camino Del Rio North	I-8 WB Ramps to Camino Del Este	3-Ln Collector w/ TWLTL (1 EB, 2 WB)	22,500	8,800	0.391	B	3-Ln Collector w/ RM (1 EB, 2 WB)	11,910	0.529	C	-0.138	N
Camino Del Rio North	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	17,400	0.435	B	4-Ln Major Arterial	12,180	0.305	A	0.130	N
Camino Del Rio North	Qualcomm Way to Mission City Parkway	4-Ln Major Arterial	40,000	21,800	0.545	C	4-Ln Major Arterial	10,590	0.265	A	0.280	N
Camino Del Rio North	Mission City Parkway to 1800' West of Ward Rd	2-Ln Collector w/o TWLTL (NFP)	10,000	8,000	0.800	D	2-Ln Collector w/o TWLTL (NFP)	8,080	0.808	D	-0.008	N
Camino Del Rio North	1800' West of Ward Road to Ward Road	2-Ln Collector w/o TWLTL (NFP)	10,000	8,500	0.850	D	2-Ln Collector w/o TWLTL (NFP)	8,920	0.892	D	-0.042	N
Camino Del Rio North	Ward Road to 1000' West of Fairmount Avenue	4-Ln Major Arterial	40,000	8,500	0.213	A	4-Ln Major Arterial	11,830	0.296	A	-0.084	N
Camino Del Rio North	1000' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	16,500	0.550	C	4-Ln Collector w/ TWLTL	13,470	0.449	B	0.101	N
Hotel Circle South	Taylor Street to I-8 EB Off-Ramp	2-Ln Collector w/o TWLTL (NFP)	10,000	4,000	0.400	C	2-Ln Collector w/o TWLTL (NFP)	12,010	1.201	**F**	-0.801	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

		Adopted Community Plan					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Hotel Circle South	I-8 EB Off-Ramp to Via Las Cumbres	2-Ln Collector w/ TWLTL	15,000	4,000	0.267	A	2-Ln Collector w/ TWLTL	12,340	0.823	D	-0.556	N
Hotel Circle South	Via Las Cumbres to I-8 EB On-Ramp	2-Ln Collector w/ TWLTL	15,000	20,300	1.353	**F**	2-Ln Collector w/ TWLTL	12,340	0.823	D	0.530	**Y**
Hotel Circle South	I-8 EB On-Ramp to Bachman Place	2-Ln Collector w/ TWLTL	15,000	15,500	1.033	**F**	2-Ln Collector w/ TWLTL	17,200	1.146	**F**	-0.113	N
Hotel Circle South	Bachman Place to Hotel Circle North/Camino De La Reina	2-Ln Collector w/ TWLTL	15,000	16,700	1.113	**F**	2-Ln Collector w/ TWLTL	15,580	1.038	**F**	0.075	**Y**
Camino Del Rio South	Western Terminus to Mission Center Road	2-Ln Collector w/o TWLTL	8,000	9,900	1.238	**F**	2-Ln Collector w/ w/o TWLTL	7,330	0.916	**E**	0.322	**Y**
Camino Del Rio South	Mission Center Road to Texas Street	2-Ln Collector w/o TWLTL	8,000	9,100	1.138	**F**	2-Ln Collector w/ w/o TWLTL	7,410	0.927	**E**	0.211	**Y**
Camino Del Rio South	Texas Street to Mission City Parkway	2-Ln Collector w/o TWLTL	8,000	10,200	1.275	**F**	2-Ln Collector w/ w/o TWLTL	8,140	1.018	**F**	0.257	**Y**
Camino Del Rio South	Mission City Parkway to I-15 SB Off-Ramp	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	22,500	12,200	0.542	C	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	11,750	0.522	C	0.020	N
Camino Del Rio South	I-15 SB Off-Ramp to I-15 NB On-Ramp	2-Ln Collector w/ TWLTL	15,000	16,800	1.120	**F**	4-Ln Collector w/ TWLTL	9,580	0.319	A	0.801	**Y**
Camino Del Rio South	I-15 NB On-Ramp to Fairmount Avenue	2-Ln Collector w/ TWLTL	15,000	10,500	0.700	D	2-Ln Collector w/ TWLTL	6,370	0.424	B	0.276	N
Morena Boulevard	Tecolote Road to West Morena Boulevard	2-Ln Collector w/ TWLTL	15,000	19,300	1.287	**F**	2-Ln Collector w/ TWLTL	16,180	1.079	**F**	0.208	**Y**
Morena Boulevard	West Morena Boulevard to Linda Vista Road	4-Ln Major Arterial	40,000	18,200	0.455	B	4-Ln Major Arterial	17,740	0.443	B	0.012	N
Morena Boulevard	Linda Vista Road to I-8 WB Off-Ramp	4-Ln Major Arterial	40,000	32,100	0.803	D	4-Ln Major Arterial	41,930	1.048	**F**	-0.246	N
Morena Boulevard	I-8 WB Off-Ramp to Taylor Street	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	13,900	0.618	C	3-Ln Collector w/ RM (2 NB, 1 SB)	11,570	0.514	C	0.104	N
Napa Street	Morena Boulevard to Friars Road	4-Ln Major Arterial	40,000	16,600	0.415	B	4-Ln Major Arterial	13,430	0.336	A	0.079	N
Colusa Street	Linda Vista Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	6,900	0.863	**E**	2-Ln Collector w/o TWLTL	2,720	0.339	B	0.524	**Y**

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

Roadway	Segment	Adopted Community Plan					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Via Las Cumbres	Linda Vista Road to Friars Road	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	15,900	1.445	**F**	3-Ln Collector (2 NB, 1 SB)	10,920	0.993	**E**	0.452	**Y**
Via Las Cumbres	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	11,800	0.295	A	Does Not Exist				0.295	N
Via Las Cumbres	Riverwalk Drive to Levi-Cushman Street "B"	4-Ln Major Arterial	40,000	23,000	0.575	C	Does Not Exist				0.575	N
Via Las Cumbres	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	29,500	0.738	C	Does Not Exist				0.738	N
Via Las Cumbres	Hotel Circle North to Hotel Circle South	4-Ln Major Arterial	40,000	33,700	0.843	D	Does Not Exist				0.843	N
Fashion Valley Road	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	10,400	0.260	A	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.405	N
Fashion Valley Road	Riverwalk Drive to Levi-Cushman Street "B"	4-Ln Major Arterial	40,000	20,600	0.515	B	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.150	N
Fashion Valley Road	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	40,400	1.010	**F**	4-Ln Collector w/o TWLTL	9,980	0.665	C	0.345	**Y**
Bachman Place	Hotel Circle South to southern community boundary	2-Ln Collector w/o TWLTL (NFP)	10,000	26,800	2.680	**F**	2-Ln Collector w/o TWLTL (NFP)	9,140	0.914	**E**	1.766	**Y**
Avenida Del Rio	Fashion Valley Parking Lot to Camino De La Reina	4-Ln Collector w/o TWLTL	15,000	19,300	1.287	**F**	4-Ln Collector w/o TWLTL	8,740	0.583	C	0.704	**Y**
Ulric Street	Fashion Hills Boulevard to 600' South of Fashion Hills Blvd	2-Ln Collector w/ TWLTL	15,000	28,300	1.887	**F**	2-Ln Collector w/ TWLTL	20,380	1.359	**F**	0.528	**Y**
Ulric Street	600' South of Fashion Hills Boulevard to Friars Road	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	29,700	1.320	**F**	3-Ln Collector w/ SM (1 NB 2 SB)	20,430	0.908	**E**	0.412	**Y**
Camino De La Siesta	Camino De La Reina to Camino Del Rio North	2-Ln Collector w/o TWLTL	8,000	9,400	1.175	**F**	2-Ln Collector w/ w/o TWLTL	5,150	0.643	D	0.532	**Y**
Metropolitan Drive	Mission Valley Road to Murray Canyon Road (clockwise)	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	9,400	0.418	B	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	0.247	N
Metropolitan Drive	Murray Canyon Road to Frazee Road (clockwise)	3-Ln Collector w/ TWLT (1 NB, 2 SB)	22,500	1,600	0.071	A	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	-0.100	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

Roadway	Segment	Adopted Community Plan					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Murray Canyon Road	Metropolitan Drive to Frazee Road	3-Ln Collector w/ TWLT (1 NB, 2 SB)	22,500	8,500	0.378	B	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	7,400	0.329	A	0.049	N
Frazee Road	Metropolitan Drive to Murray Canyon Road	Does Not Exist										
Frazee Road	Murray Canyon Road to Friars Road	4-Ln Major Arterial	40,000	21,100	0.528	C	4-Ln Major Arterial	14,670	0.367	A	0.161	N
Frazee Road	Friars Road to Hazard Center Drive	4-Ln Major Arterial	40,000	17,000	0.425	B	4-Ln Major Arterial	17,050	0.426	B	-0.001	N
Mission Center Road	Murray Ridge Road to 1200' West of Murray Ridge Road	2-Ln Collector w/o TWLTL	8,000	11,500	1.438	**F**	2-Ln Collector w/o TWLTL	10,970	1.097	**F**	0.341	**Y**
Mission Center Road	1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	11,500	1.045	**F**	3-Ln Collector (2 NB, 1 SB)	10,720	0.975	**E**	0.070	**Y**
Mission Center Road	950' North of Mission Valley Road to Mission Valley Road	4-Ln Major Arterial	40,000	11,500	0.288	A	4-Ln Major Arterial	10,940	0.273	A	0.015	N
Mission Center Road	Mission Valley Road to Westside Drive	4-Ln Major Arterial	40,000	17,700	0.443	B	4-Ln Major Arterial	14,170	0.354	A	0.089	N
Mission Center Road	Westside Drive to Friars Road WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	29,700	0.660	C	5-Ln Major Arterial (3 NB, 2 SB)	26,020	0.578	C	0.082	N
Mission Center Road	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	22,500	0.563	C	4-Ln Major Arterial	22,830	0.571	C	-0.008	N
Mission Center Road	Friars Road EB Ramps to Mission Center Court	4-Ln Major Arterial	40,000	18,600	0.465	B	4-Ln Major Arterial	19,470	0.487	B	-0.022	N
Mission Center Road	Mission Center Court to Hazard Center Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	21,400	0.476	B	5-Ln Major Arterial (2 NB, 3 SB)	19,450	0.432	B	0.044	N
Mission Center Road	Hazard Center Drive to Camino De La Reina	5-Ln Major Arterial (2 NB, 3 SB)	45,000	27,000	0.600	C	5-Ln Major Arterial (2 NB, 3 SB)	27,060	0.601	C	-0.001	N
Mission Center Road	Camino De La Reina to Camino Del Rio North	5-Ln Major Arterial (3 NB, 2 SB)	45,000	27,300	0.607	C	5-Ln Major Arterial (3 NB, 2 SB)	23,280	0.517	B	0.090	N
Auto Circle	Camino Del Rio North to I-8 EB Ramps	4-Ln Major Arterial	40,000	38,200	0.955	**E**	4-Ln Major Arterial	34,100	0.852	D	0.103	**Y**

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

		Adopted Community Plan					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Auto Circle	I-8 EB Ramps to Camino Del Rio South	4-Ln Collector w/ TWLTL	30,000	23,500	0.783	D	4-Ln Collector w/ RM	20,980	0.699	D	0.084	N
Via Alta	Franklin Ridge Road to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	9,100	0.607	C	Does Not Exist				0.607	N
Via Alta	Civita Boulevard to Westside Drive	2-Ln Collector w/ TWLTL	15,000	5,100	0.340	B	2-Ln Collector w/ RM	1,340	0.089	A	0.251	N
Murray Ridge Road	Mission Center Road to I-805 NB Ramps	2-Ln Collector w/ TWLTL	15,000	21,300	1.420	**F**	2 Ln Collector w/ TWLTL	20,000	1.333	**F**	0.087	**Y**
Murray Ridge Road	I-805 NB Ramps to I-805 SB Ramps	2-Ln Collector w/ TWLTL	15,000	23,600	1.573	**F**	2-Ln Collector w/ TWLTL	11,700	0.780	D	0.793	**Y**
Russell Park Way	Civita Boulevard to Friars Road	2-Ln Collector w/ TWLTL	15,000	7,900	0.527	C	2-Ln Collector w/ RM	1,020	0.068	A	0.459	N
Camino Del Este	Rio San Diego Drive to Camino De La Reina	4-Ln Collector w/ TWLTL	30,000	10,000	0.333	A	4-Ln Collector w/ RM or TWLTL	8,450	0.282	A	0.051	N
Camino Del Este	Camino De La Reina to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	11,700	0.390	B	4-Ln Collector w/ RM or TWLTL	9,880	0.329	A	0.061	N
Franklin Ridge Road	Phyllis Place to Via Alta	4-Ln Major Arterial	40,000	29,400	0.735	C	Does Not Exist				0.735	N
Franklin Ridge Road	Via Alta to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	17,700	1.180	**F**	Does Not Exist				1.180	**Y**
Qualcomm Way	Civita Boulevard to Friars Road WB Ramps	4-Ln Major Arterial	40,000	21,600	0.540	C	Does Not Exist				0.540	N
Qualcomm Way	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	31,400	0.785	D	2-Ln Collector w/ TWLTL	9,300	0.620	C	0.165	N
Qualcomm Way	Friars Road EB Ramps to Rio San Diego Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	26,800	0.596	C	5-Ln Major Arterial (2 NB, 3 SB)	10,200	0.227	A	0.369	N
Qualcomm Way	Rio San Diego Drive to Camino Del Rio North	6-Ln M Major Arterial	50,000	31,400	0.628	C	6-Ln Major Arterial	24,330	0.487	B	0.141	N
Qualcomm Way	Camino Del Rio North to I-8 WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	43,600	0.969	**E**	5-Ln Major Arterial (3 NB, 2 SB)	23,560	0.524	B	0.445	**Y**
Qualcomm Way	I-8 WB Ramps to I-8 EB Ramps	6-Ln Major Arterial	50,000	47,800	0.956	**E**	6-Ln Major Arterial	36,410	0.728	C	0.228	**Y**
Qualcomm Way	I-8 EB Ramps to Camino Del Rio South	4-Ln Major Arterial	40,000	30,400	0.760	D	4-Ln Major Arterial	25,830	0.646	C	0.114	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

Roadway	Segment	Adopted Community Plan					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Texas Street	Camino Del Rio South to 1400' North of Madison Ave	4-Ln Major Arterial	40,000	35,600	0.890	**E**	4-Ln Major Arterial	29,050	0.726	C	0.164	**Y**
Texas Street	1400' North of Madison Ave to Madison Avenue	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	22,500	35,500	1.578	**F**	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	29,240	1.300	**F**	0.278	**Y**
Texas Street	Madison Avenue to Meade Ave	2-Ln Collector w/ TWLTL	15,000	21,200	1.413	**F**	2-Ln Collector w/ TWLTL	17,090	1.139	**F**	0.274	**Y**
Texas Street	Meade Ave to El Cajon Boulevard	3-Ln Collector w/o TWLTL (1 NB, 2 SB)	11,000	16,600	1.509	**F**	3-Ln Collector w/o TWLTL (1 NB, 2 SB)	14,310	1.300	**F**	0.209	**Y**
River Run Drive	Friars Road to Rio San Diego Drive	2-Ln Collector w/o TWLTL	8,000	4,300	0.538	C	2-Ln Collector w/o TWLTL	4,030	0.504	C	0.034	N
Fenton Parkway	Portofino Driveway to Friars Road	4-Ln Major Arterial	40,000	4,100	0.103	A	4-Ln Major Arterial	4,120	0.103	A	0.020	N
Fenton Parkway	Friars Road to Rio San Diego Drive	4-Ln Major Arterial	40,000	12,600	0.315	A	4-Ln Major Arterial	12,610	0.315	A	0.000	N
Fenton Parkway	Rio San Diego Drive to Del Rio Apartments Driveway	4-Ln Major Arterial	40,000	7,900	0.198	A	4-Ln Major Arterial	5,400	0.135	A	0.063	N
Fenton Parkway	Del Rio Apartments Driveway to New Street "I"	4-Ln Major Arterial	40,000	7,900	0.198	A	Does Not Exist				0.198	N
Fenton Parkway	New Street "I" to Camino Del Rio North	2-Ln Collector w/ TWLTL	15,000	14,900	0.993	**E**	Does Not Exist				0.993	**Y**
Mission City Parkway	Camino Del Rio North to Camino Del Rio South	2-Ln Collector w/ TWLTL	15,000	9,000	0.600	C	2-Ln Collector w/ NFP	6,430	0.643	C	-0.043	N
Northside Drive	Portofino Driveway to Friars Road	4-Ln Collector w/ TWLTL	30,000	7,100	0.237	A	4-Ln Collector w/ RM	6,590	0.220	A	0.017	N
Northside Drive	Friars Road to Fenton Marketplace Driveway	4-Ln Collector w/ TWLTL	30,000	18,200	0.607	C	4-Ln Collector w/ RM	20,310	0.677	C	-0.070	N
Northside Drive	Fenton Marketplace Driveway to Lowe's Frontage Road	3-Ln Collector w/ RM (2 NB, 1 SB)	22,500	13,200	0.587	C	3-Ln Collector w/ RM (2 NB, 1 SB)	15,890	0.706	D	-0.119	N
Mission Village Drive	Ronda Avenue to Friars Road WB Ramps	4-Ln Major Arterial	40,000	20,900	0.523	B	4-Ln Major Arterial	17,220	0.431	B	0.092	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

		Adopted Community Plan					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Mission Village Drive	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	29,600	0.740	C	4-Ln Major Arterial	13,660	0.342	A	0.398	N
Rancho Mission Road	Friars Road to San Diego Mission Road	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	22,500	15,100	0.671	D	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	12,820	0.570	C	0.101	N
Rancho Mission Road	San Diego Mission Road to Camino Del Rio North	4-Ln Collector w/o TWLTL	15,000	17,200	1.147	**F**	4-Ln Collector w/o TWLTL	9,580	0.639	C	0.508	**Y**
Santo Road	Northern Terminus to Friars Road	4-Ln Major Arterial	40,000	18,900	0.473	B	2-Ln Collector w/o TWLTL	6,360	0.796	D	-0.324	N
Riverdale Street	Zion Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	2,500	0.313	A	2-Ln Collector w/ w/o TWLTL	2,770	0.346	B	-0.034	N
Riverdale Street	Friars Road to Vandever Avenue	2-Ln Collector w/o TWLTL	8,000	27,900	3.488	**F**	2-Ln Collector w/o TWLTL	8,900	1.113	**F**	2.375	**Y**
Mission Gorge Road	Friars Road to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	24,700	0.823	D	4-Ln Collector w/ TWLTL	14,710	0.490	C	0.333	N
Fairmount Avenue	Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp	4-Ln Major Arterial	40,000	56,700	1.418	**F**	4-Ln Major Arterial	40,210	1.005	**F**	0.413	**Y**
Fairmount Avenue	I-8 EB Off-Ramp to Camino Del Rio South	6-Ln Expressway	80,000	104,800	1.310	**F**	6-Ln Expressway	82,880	1.036	**F**	0.274	**Y**
Riverwalk Drive	West of Via Las Cumbres	2-Ln Collector w/ TWLTL	15,000	11,800	0.787	D	Does Not Exist				0.787	N
Riverwalk Drive	Via Las Cumbres to Fashion Valley Road	4-Ln Major Arterial	40,000	11,800	0.295	A	Does Not Exist				0.295	N
Riverwalk Drive	Fashion Valley Road to Avenida Del Rio	2-Ln Collector w/o TWLTL	8,000	13,800	1.725	**F**	Does Not Exist				1.725	**Y**
Levi-Cushman Street "B"	Via Las Cumbres to Fashion Valley Road	4-Ln Collector w/ TWLTL	30,000	24,700	0.823	D	Does Not Exist				0.823	N
Goshen St	Linda Vista Rd to Gaines St	2-Ln Collector w/o TWLTL	8,000	5,000	0.625	C	Not Analyzed				0.625	N
Goshen St	Gaines St to Friars Rd	2-Ln Collector w/o TWLTL	8,000	7,600	0.950	**E**	Not Analyzed				0.950	**Y**
New Street "I"	Mission City Parkway to Eastern End	2-Ln Collector w/ TWLTL	15,000	10,400	0.727	D	Does Not Exist				0.340	N
Gill Village Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	5,100	0.340	B	Not Analyzed				0.340	N

Table 4.1 Roadway Segment Analysis – Adopted Community Plan

Roadway	Segment	Adopted Community Plan					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Rio Bonito Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	3,700	0.247	A		Not Analyzed			0.247	N

Notes:
Bold letter indicates substandard LOS E or F.
RM = Raised Median.
SM = Striped Median.
TWLTL = Two-Way Left-Turn Lane.
NFP = No Fronting Property.
[1] Capacity for a 7-Ln Prime Arterial is calculated assuming that each additional lane above a 6-Ln Arterial adds 5,000 ADT for LOS A, 7,500 ADT for LOS B and 10,000 ADT for LOS C, D, and E.

As shown in Table 4.1, based on the criteria documented in Section 2.3, the Adopted Community Plan will result in a LOS of E or F along the following 46 roadway segments, and have a significant traffic impact to the following 44 roadway segments in **bold**, when comparing to the existing conditions (Adopted Plan-to-Ground):

- **Sea World Drive, Mission Bay Parkway to Friars Road (LOS F, Δ in V/C 0.298)**
- **Sea World Drive, Friars Road to I-5 SB Ramps (LOS E, Δ in V/C 0.188)**
- **Friars Road, Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps (LOS F, Δ in V/C 0.264)**
- **Friars Road, Mission Village Drive to I-15 SB Ramps (LOS E, Δ in V/C 0.162)**
- **Friars Road, I-15 SB Ramps to I-15 NB Ramps (LOS F, Δ in V/C 0.379)**
- **Friars Road, I-15 NB Ramps to Rancho Mission Road (LOS F, Δ in V/C 0.294)**
- **Friars Road, Santo Road to Riverdale Street (LOS F, Δ in V/C 0.379)**
- Taylor Street, Morena Boulevard to I-8 EB Ramps (LOS E, Δ in V/C -0.808) – not impacted
- **Taylor Street, I-8 EB Ramps to Hotel Circle South (LOS F, Δ in V/C 0.072)**
- **Hotel Circle North, Hotel Circle South to Fashion Valley Road (LOS F, Δ in V/C 0.199)**
- **Camino De La Reina, Avenida Del Rio to Camino De La Siesta (LOS F, Δ in V/C 0.434)**
- **Hotel Circle South, Via Las Cumbres to I-8 EB On-Ramp (LOS F, Δ in V/C 0.53)**
- Hotel Circle South, I-8 EB On-Ramp to Bachman Place (LOS F, Δ in V/C -0.113) – not impacted
- **Hotel Circle South, Bachman Place to Hotel Circle North/Camino De La Reina (LOS F, Δ in V/C 0.075)**
- **Camino Del Rio South, Western Terminus to Mission Center Road (LOS F, Δ in V/C 0.322)**
- **Camino Del Rio South, Mission Center Road to Texas Street (LOS F, Δ in V/C 0.211)**
- **Camino Del Rio South, Texas Street to Mission City Parkway (LOS F, Δ in V/C 0.257)**
- **Camino Del Rio South, I-15 SB Off-Ramp to I-15 NB On-Ramp (LOS F, Δ in V/C 0.801)**
- **Morena Boulevard, Tecolote Road to West Morena Boulevard (LOS F, Δ in V/C 0.208)**
- **Colusa Street, Linda Vista Road to Friars Road (LOS E, Δ in V/C 0.524)**
- **Via Las Cumbres, Linda Vista Road to Friars Road (LOS F, Δ in V/C 0.452)**
- **Fashion Valley Road, Levi-Cushman Street "B" to Hotel Circle North (LOS F, Δ in V/C 0.345)**
- **Bachman Place, Hotel Circle South to southern community boundary (LOS F, Δ in V/C 1.766)**
- **Avenida Del Rio, Fashion Valley Parking Lot to Camino De La Reina (LOS F, Δ in V/C 0.704)**
- **Ulric Street, Fashion Hills Boulevard to 600' South of Fashion Hills Blvd (LOS F, Δ in V/C 0.528)**
- **Ulric Street, 600' South of Fashion Hills Boulevard to Friars Road (LOS F, Δ in V/C 0.412)**
- **Camino De La Siesta, Camino De La Reina to Camino Del Rio North (LOS F, Δ in V/C 0.532)**
- **Mission Center Road, Murray Ridge Road to 1200' West of Murray Ridge Road (LOS F, Δ in V/C 0.341)**
- **Mission Center Road, 1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd (LOS F, Δ in V/C 0.070)**
- **Auto Circle, Camino Del Rio North to I-8 EB Ramps (LOS E, Δ in V/C 0.103)**
- **Murray Ridge Road, Mission Center Road to I-805 NB Ramps (LOS F, Δ in V/C 0.087)**
- **Murray Ridge Road, I-805 NB Ramps to I-805 SB Ramps (LOS F, Δ in V/C 0.793)**
- **Franklin Ridge Road, Via Alta to Civita Boulevard (LOS F, Δ in V/C 1.180)**
- **Qualcomm Way, Camino Del Rio North to I-8 WB Ramps (LOS E, Δ in V/C 0.445)**
- **Qualcomm Way, I-8 WB Ramps to I-8 EB Ramps (LOS E, Δ in V/C 0.228)**
- **Texas Street, Camino Del Rio South to 1400' North of Madison Ave (LOS E, Δ in V/C 0.164)**
- **Texas Street, 1400' North of Madison Ave to Madison Avenue (LOS F, Δ in V/C 0.278)**
- **Texas Street, Madison Avenue to Meade Ave (LOS F, Δ in V/C 0.274)**
- **Texas Street, Meade Ave to El Cajon Boulevard (LOS F, Δ in V/C 0.209)**
- **Fenton Parkway, New Street "I" to Camino Del Rio North (LOS E, Δ in V/C 0.993)**
- **Rancho Mission Road, San Diego Mission Road to Camino Del Rio North (LOS F, Δ in V/C 0.508)**

- Riverdale Street, Friars Road to Vandever Avenue (LOS F, Δ in V/C 2.375)
- Fairmount Avenue, Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp (LOS F, Δ in V/C 0.413)
- Fairmount Avenue, I-8 EB Off-Ramp to Camino Del Rio South (LOS F, Δ in V/C 0.274)
- Riverwalk Drive, Fashion Valley Road to Avenida Del Rio (LOS F, Δ in V/C 1.725)
- Goshen St, Gaines St to Friars Rd (LOS E, Δ in V/C 0.950)

4.2 Freeway Segment Analysis

Freeway improvements within the Mission Valley study area under the Adopted Community Plan scenario are assumed to be the same as those identified in Chapter 4, derived from the Revenue Constrained scenario of SANDAG's *San Diego Forward: The Regional Plan* (2015), the currently adopted regional transportation plan, and are anticipated to be implemented by 2050.

Tables 4.2a and 4.2b present the AM and PM peak hour freeway segment analysis results, respectively, as well as any potential traffic impacts associated with the Adopted Community Plan when comparing to the existing conditions. HCS freeway segment analysis worksheets are provided in Appendix E.

Table 4.2a Freeway Segment Level of Service Results – Adopted Community Plan AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	44.4%	7.8%	1.0%	80,000	2,851	68.9	21.9	C	70.0	A	-1.1	N
		WB	2M	55.6%	7.2%	1.0%		3,121	67.6	24.4	C	70.0	A	-2.4	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	44.2%	7.7%	1.2%	121,000	4,381	68.6	22.5	C	70.0	B	-1.4	N
		WB	3M+1A	55.8%	7.1%	1.2%		4,641	67.8	24.1	C	69.6	C	-1.8	N
	I-5 Interchange to Morena Boulevard	EB	3M	31.7%	7.8%	2.8%	179,000	6,177	58.4	37.7	**E**	70.0	B	-11.6	**Y**
		WB	4M	68.3%	6.8%	2.8%		7,155	64.1	29.8	D	69.6	C	-5.5	N
	Morena Boulevard to Taylor Street	EB	4M+1A	31.7%	7.8%	2.8%	223,000	7,685	61.6	33.3	D	70.0	B	-8.4	N
		WB	5M	68.3%	6.8%	2.8%		8,903	64.3	29.6	D	68.2	C	-3.9	N
	Taylor Street to Hotel Circle	EB	4M	31.7%	7.8%	2.8%	230,000	7,913	60.3	35.1	**E**	70.0	B	-9.7	**Y**
		WB	4M+1A	68.3%	6.8%	2.8%		9,167	51.9	47.2	**F**	61.3	D	-9.4	**Y**
	Hotel Circle to SR-163 Interchange	EB	4M+2A	31.7%	7.8%	2.8%	232,000	7,993	63.7	26.8	D	65.0	B	-1.3	N
		WB	5M	68.3%	6.8%	2.8%		9,260	60.2	32.8	D	63.4	D	-3.2	N
	SR-163 Interchange to Mission Center Road	EB	4M	31.7%	7.8%	3.2%	207,000	7,124	64.3	29.6	D	70.0	B	-5.7	N
		WB	3M+2A	68.3%	6.8%	3.2%		8,253	55.8	39.5	**E**	55.0	**E**	0.8	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	31.7%	7.8%	3.2%	258,000	8,882	51.6	46.0	**F**	65.0	C	-13.4	**Y**
		WB	4M+1A	68.3%	6.8%	3.2%		10,290	39.2	70.1	**F**	50.9	**F**	-11.7	**Y**
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	43.0%	7.8%	3.2%	185,000	6,355	63.7	26.6	D	62.4	D	1.3	N
		WB	4M+1A	57.0%	6.8%	3.2%		7,362	60.5	32.5	**D**	57.6	**E**	2.9	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	31.7%	7.8%	3.0%	276,000	9,514	62.0	32.8	D	70.0	B	-8.0	N
		WB	4M+2A	68.3%	6.8%	3.0%		11,022	54.5	43.2	**E**	61.5	D	-7.0	**Y**
	I-15 Interchange to Fairmount Ave	EB	4M	32.0%	7.7%	3.5%	252,000	8,187	58.4	37.6	**E**	69.9	C	-11.5	**Y**
		WB	4M+2A	68.0%	7.4%	3.5%		10,412	57.5	38.9	**E**	64.3	D	-6.8	**Y**
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	54.0%	7.6%	3.4%	251,000	10,843	55.5	41.7	**E**	64.4	D	-8.9	**Y**
		SB	4M+2A	46.0%	7.1%	3.4%		8,082	66.8	25.9	C	52.5	**F**	14.3	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	54.0%	7.6%	4.1%	261,000	11,291	31.1	97.4	**F**	54.6	**E**	-23.5	**Y**
		SB	5M	46.0%	7.1%	4.1%		8,416	65.7	27.5	**D**	52.8	**F**	12.9	N
SR-163	Genesee Avenue to Friars Road	NB	5M	57.0%	8.8%	3.7%	235,000	12,078	47.5	54.7	**F**	63.1	D	-15.6	**Y**
		SB	4M	43.0%	8.4%	3.7%		8,089	59.1	36.8	**E**	67.6	C	-8.5	**Y**

Table 4.2a Freeway Segment Level of Service Results – Adopted Community Plan AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	45.1%	7.9%	3.7%	208,000	8,198	35.1	83.5	**F**	65.3	D	-30.2	**Y**
		SB	4M+2A	54.9%	7.8%	3.7%		8,498	65.5	27.9	D	69.8	C	-4.3	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	45.1%	7.9%	3.0%	209,000	8,215	35.4	82.6	**F**	63.7	D	-28.3	**Y**
		SB	3M+2A	54.9%	7.8%	3.0%		8,517	56.6	40.2	**E**	66.3	D	-9.7	**Y**
	6th Avenue to Washington Street	NB	3M	45.1%	7.9%	3.0%	175,000	6,907	51.6	47.7	**F**	68.5	C	-16.9	**Y**
		SB	2M+1A	54.9%	7.8%	3.0%		7,160	0.0*	999.9*	**F**	39.1	**F**	-39.1	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	69.9%	7.6%	6.5%	282,000	15,777	11.9	288.9	**F**	53.2	**F**	-41.3	**Y**
		SB	5M	30.1%	8.1%	6.5%		6,781	69.1	21.4	C	70.0	B	-0.9	N
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	74.6%	5.9%	6.5%	273,000	12,298	44.6	60.1	**F**	63.1	D	-18.5	**Y**
		SB	4M+2A	25.4%	8.4%	6.5%		5,583	70.0	17.4	B	70.0	B	0.0	N
	I-8 Interchange to Adams Avenue	NB	4M+1A	74.6%	5.9%	6.5%	267,000	12,021	20.1	162.9	**F**	50.0	**F**	-29.9	**Y**
		SB	6M	25.4%	8.4%	6.5%		5,457	70.0	14.2	B	70.0	A	0.0	N
	Adams Avenue to El Cajon Boulevard	NB	4M	74.6%	5.9%	6.5%	239,000	10,746	35.4	82.7	**F**	56.8	**E**	-21.4	**Y**
		SB	5M+1A	25.4%	8.4%	6.5%		4,879	70.0	15.2	B	70.0	B	0.0	N
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	60.5%	7.7%	5.0%	273,000	13,100	6.8	519.1	**F**	42.3	**F**	-35.5	**Y**
		SB	5M+1A+2ML	39.5%	7.5%	5.0%		8,560	65.1	28.4	D	69.4	C	-4.3	N
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	281,000	10,819	56.0	41.1	**E**	64.5	D	-8.5	**Y**
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		11,474	49.7	49.1	**F**	63.0	D	-13.3	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	243,000	9,343	50.9	48.8	**F**	63.0	D	-12.1	**Y**
		SB	5M	48.5%	8.2%	2.2%		9,909	60.5	34.9	D	69.0	C	-8.5	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	232,000	8,907	54.2	43.7	**E**	64.2	D	-10.0	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		9,447	62.4	32.2	D	69.3	C	-6.9	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] HVF = Heavy Vehicle Factor.
* Freeway volumes exceed HCS analysis capacity.

Table 4.2b Freeway Segment Level of Service Results – Adopted Community Plan PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	55.6%	7.8%	1.0%	80,000	3,566	64.5	29.2	D	70.0	A	-5.5	N
		WB	2M	44.4%	7.2%	1.0%		2,495	69.8	18.9	C	70.0	A	-0.2	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	54.8%	7.7%	1.2%	121,000	5,303	64.8	28.9	D	68.3	C	-3.5	N
		WB	3M+1A	45.2%	7.1%	1.2%		3,834	69.7	19.4	C	70.0	B	-0.3	N
	I-5 Interchange to Morena Boulevard	EB	3M	57.0%	7.8%	2.8%	179,000	8,178	36.0	81.0	**F**	60.0	**E**	-24.0	**Y**
		WB	4M	43.0%	6.8%	2.8%		5,405	69.3	20.8	C	70.0	B	-0.7	N
	Morena Boulevard to Taylor Street	EB	4M+1A	57.0%	7.8%	2.8%	223,000	10,175	43.3	62.8	**F**	56.5	**F**	-13.2	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,725	69.3	20.7	C	70.0	B	-0.7	N
	Taylor Street to Hotel Circle	EB	4M	57.0%	7.8%	2.8%	230,000	10,477	40.4	69.3	**F**	54.3	**E**	-13.9	**Y**
		WB	4M+1A	43.0%	6.8%	2.8%		6,924	65.1	28.4	D	68.5	C	-3.4	N
	Hotel Circle to SR-163 Interchange	EB	4M+2A	57.0%	7.8%	2.8%	232,000	10,583	54.5	41.5	**E**	60.1	D	-5.6	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,994	64.9	23.0	C	65.0	C	-0.1	N
	SR-163 Interchange to Mission Center Road	EB	4M	57.0%	7.8%	3.2%	207,000	9,432	49.8	50.6	**F**	48.6	**F**	1.2	N
		WB	3M+2A	43.0%	6.8%	3.2%		6,234	64.0	26.0	D	63.8	D	0.2	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	57.0%	7.8%	3.2%	258,000	11,759	22.0	142.6	**F**	39.5	**F**	-17.5	**Y**
		WB	4M+1A	43.0%	6.8%	3.2%		7,772	58.5	35.5	**E**	62.2	D	-3.7	**Y**
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	57.0%	7.8%	3.2%	185,000	8,414	54.8	41.0	**E**	50.1	**F**	4.7	N
		WB	4M+1A	43.0%	6.8%	3.2%		5,561	64.9	22.9	C	64.4	C	0.5	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	57.0%	7.8%	3.0%	276,000	12,596	44.2	60.9	**F**	54.7	**E**	-10.5	**Y**
		WB	4M+2A	43.0%	6.8%	3.0%		8,325	66.1	26.9	D	68.6	C	-2.5	N
	I-15 Interchange to Fairmount Ave	EB	4M	59.2%	7.7%	3.5%	252,000	11,899	23.9	133.8	**F**	43.5	**F**	-19.6	**Y**
		WB	4M+2A	40.8%	7.4%	3.5%		7,164	68.7	22.4	C	69.9	C	-1.2	N
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	40.5%	7.6%	3.4%	251,000	9,237	63.1	31.3	D	69.9	C	-6.8	N
		SB	4M+2A	59.5%	7.1%	3.4%		9,488	62.1	32.7	D	67.7	C	-5.6	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	40.5%	7.6%	4.1%	261,000	9,618	47.8	54.0	**F**	68.1	C	-20.3	**Y**
		SB	5M	59.5%	7.1%	4.1%		9,880	60.1	35.3	**E**	67.7	C	-7.6	**Y**
SR-163	Genesee Avenue to Friars Road	NB	5M	48.4%	8.8%	3.7%	235,000	9,100	63.4	30.8	D	65.1	D	-1.7	N
		SB	4M	51.6%	8.4%	3.7%		10,736	37.2	77.5	**F**	58.6	**E**	-21.4	**Y**

Table 4.2b Freeway Segment Level of Service Results – Adopted Community Plan PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	50.9%	7.9%	3.7%	208,000	8,498	30.7	99.1	**F**	57.6	**E**	-26.9	**Y**
		SB	4M+2A	49.1%	7.8%	3.7%		8,198	66.4	26.5	D	69.9	C	-3.5	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	50.9%	7.9%	3.0%	209,000	8,517	31.0	97.8	**F**	54.6	**E**	-23.6	**Y**
		SB	3M+2A	49.1%	7.8%	3.0%		8,215	58.5	37.5	**E**	67.1	C	-8.6	**Y**
	6th Avenue to Washington Street	NB	3M	50.9%	7.9%	3.0%	175,000	7,160	48.9	52.2	**F**	64.5	D	-15.6	**Y**
		SB	2M+1A	49.1%	7.8%	3.0%		6,907	0.0	999.9	**F**	42.7	**F**	-42.7	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	35.5%	7.6%	6.5%	282,000	6,781	69.1	21.4	C	69.8	C	-0.7	N
		SB	5M	64.5%	8.1%	6.5%		15,777	11.9	288.9	**F**	53.2	**F**	-41.3	**Y**
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	37.3%	5.9%	6.5%	273,000	4,187	70.0	13.0	B	70.0	B	0.0	N
		SB	4M+2A	62.7%	8.4%	6.5%		16,397	4.7	763.6	**F**	46.3	**F**	-41.6	**Y**
	I-8 Interchange to Adams Avenue	NB	4M+1A	25.4%	5.9%	6.5%	267,000	4,093	40.0	15.9	B	70.0	B	-30.0	N
		SB	6M	74.6%	8.4%	6.5%		16,028	36.1	80.7	**F**	57.6	**E**	-21.5	**Y**
	Adams Avenue to El Cajon Boulevard	NB	4M	37.3%	5.9%	6.5%	239,000	3,659	70.0	14.2	B	69.7	C	0.3	N
		SB	5M+1A	62.7%	8.4%	6.5%		14,328	27.1	115.0	**F**	52.8	**F**	-25.7	**Y**
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	39.2%	7.7%	5.0%	273,000	8,560	55.7	41.4	**E**	66.2	D	-10.5	**Y**
		SB	5M+1A+2ML	60.8%	7.5%	5.0%		13,499	36.0	81.0	**F**	58.5	**E**	-22.5	**Y**
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	281,000	11,135	54.2	43.7	**E**	66.1	D	-11.9	**Y**
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		10,819	53.5	43.0	**E**	63.9	D	-10.4	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	243,000	9,909	46.1	57.1	**F**	64.9	D	-18.8	**Y**
		SB	5M	48.5%	8.2%	2.2%		9,343	62.8	31.6	D	69.5	C	-6.7	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	232,000	9,447	50.1	50.2	**F**	65.8	D	-15.7	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		8,907	64.4	29.4	D	69.7	C	-5.3	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] Heavy Vehicle Factor.
* Freeway volumes exceed HCS analysis capacity.

As shown in the tables, the following 38 directional mainline freeway segments are projected to operate at LOS E or F. Based on the significant impact criteria outlined in Chapter 2, implementation of the Adopted Community Plan would result in a significant impact on 35 of those directional segments, as is depicted in **bold**:

- **I-8 EB, I-5 Interchange to Morena Boulevard (AM - LOS E, Δ Speed -11.6; PM - LOS F, Δ Speed -24.0)**
- **I-8 EB, Morena Boulevard to Taylor Street (PM - LOS F, Δ Speed -13.2)**
- **I-8 EB, Taylor Street to Hotel Circle (AM - LOS E, Δ Speed -9.7; PM - LOS F, Δ Speed -13.9)**
- **I-8 WB, Taylor Street to Hotel Circle (AM - LOS F, Δ Speed -9.4)**
- **I-8 EB, Hotel Circle to SR-163 Interchange (PM - LOS E, Δ Speed -5.6)**
- I-8 EB, SR-163 Interchange to Mission Center Road (PM - LOS F, Δ Speed 1.2) – not impacted
- I-8 WB, SR-163 Interchange to Mission Center Road (AM - LOS E, Δ Speed 0.8) – not impacted
- **I-8 EB, Mission Center Road to Qualcomm Way / Texas Street (AM - LOS F, Δ Speed -13.4; PM - LOS F, Δ Speed -17.5)**
- **I-8 WB, Mission Center Road to Qualcomm Way / Texas Street (AM - LOS F, Δ Speed -11.7; PM - LOS E, Δ Speed -3.7)**
- I-8 EB, Qualcomm Way / Texas Street to I-805 Interchange (PM - LOS E, Δ Speed 4.7) – not impacted
- **I-8 EB, I-805 Interchange to I-15 Interchange (PM - LOS F, Δ Speed -10.5)**
- **I-8 WB, I-805 Interchange to I-15 Interchange (AM - LOS E, Δ Speed -7.0)**
- **I-8 EB, I-15 Interchange to Fairmount Ave (AM - LOS E, Δ Speed -11.5; PM - LOS F, Δ Speed -19.6)**
- **I-8 WB, I-15 Interchange to Fairmount Ave (AM - LOS E, Δ Speed -6.8)**
- **I-5 NB, SeaWorld Drive / Tecolote Road to I-8 Interchange (AM - LOS E, Δ Speed -8.9)**
- **I-5 NB, I-8 Interchange to Old Town Avenue (AM - LOS F, Δ Speed -23.5; PM - LOS F, Δ Speed -20.3)**
- **I-5 SB, I-8 Interchange to Old Town Avenue (PM - LOS E, Δ Speed -7.6)**
- **SR-163 NB, Genesee Avenue to Friars Road (AM - LOS F, Δ Speed -15.6)**
- **SR-163 SB, Genesee Avenue to Friars Road (AM - LOS E, Δ Speed -8.5; PM - LOS F, Δ Speed -21.4)**
- **SR-163 NB, Friars Road to I-8 Interchange (AM - LOS F, Δ Speed -30.2; PM - LOS F, Δ Speed -26.9)**
- **SR-163 NB, I-8 Interchange to 6th Avenue (AM - LOS F, Δ Speed -28.3; PM - LOS F, Δ Speed -23.6)**
- **SR-163 SB, I-8 Interchange to 6th Avenue (AM - LOS E, Δ Speed -9.7; PM - LOS E, Δ Speed -8.6)**
- **SR-163 NB, 6th Avenue to Washington Street (AM - LOS F, Δ Speed -16.9; PM - LOS F, Δ Speed -15.6)**
- **SR-163 SB, 6th Avenue to Washington Street (AM - LOS F, Δ Speed -39.1; PM - LOS F, Δ Speed -42.7)**
- **I-805 NB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (AM - LOS F, Δ Speed -41.3)**
- **I-805 SB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (PM - LOS F, Δ Speed -41.3)**
- **I-805 NB, Murray Ridge Road / Phyllis Place to I-8 Interchange (AM - LOS F, Δ Speed -18.5)**
- **I-805 SB, Murray Ridge Road / Phyllis Place to I-8 Interchange (PM - LOS F, Δ Speed -41.6)**
- **I-805 NB, I-8 Interchange to Adams Avenue (AM - LOS F, Δ Speed -29.9)**
- **I-805 SB, I-8 Interchange to Adams Avenue (PM - LOS F, Δ Speed -21.5)**
- **I-805 NB, Adams Avenue to El Cajon Boulevard (AM - LOS F, Δ Speed -21.4)**
- **I-805 SB, Adams Avenue to El Cajon Boulevard (PM - LOS F, Δ Speed -25.7)**
- **I-15 NB, Aero Drive to Friars Road (AM - LOS F, Δ Speed -35.5; PM - LOS E, Δ Speed -10.5)**
- **I-15 SB, Aero Drive to Friars Road (PM - LOS F, Δ Speed -22.5)**
- **I-15 NB, Friars Road to I-8 (AM - LOS E, Δ Speed -8.5; PM - LOS E, Δ Speed -11.9)**

- I-15 SB, Friars Road to I-8 (AM - LOS F, Δ Speed -13.3; PM - LOS E, Δ Speed -10.4)
- I-15 NB, I-8 to Adams Avenue (AM - LOS F, Δ Speed -12.1; PM - LOS F, Δ Speed -18.8)
- I-15 NB, Adams Avenue to El Cajon Boulevard (AM - LOS E, Δ Speed -10.0; PM - LOS F, Δ Speed -15.7)

5.0 Four-Lane Via Las Cumbres Alternative

This chapter discusses the traffic operations under the Four-Lane Via Las Cumbres Alternative conditions and assesses potential traffic impacts by comparing this alternative to existing conditions. Roadway segments, intersections, freeway segments, and ramp meters were evaluated to determining associated traffic impacts. Mitigation measures for significant traffic impacts are identified, as necessary.

The Four-Lane Via Las Cumbres Alternative forecast traffic volumes were developed from the calibrated SANDAG Series 13 Regional Model – Mission Valley Community Plan Update Subarea Model (the "Model"). This customized Model assumed buildout of the CPU land uses and Four-Lane Via Las Cumbres Alternative mobility network for Mission Valley and Horizon Year 2050 land uses and transportation improvements for the rest of the San Diego region. Detailed modeling information and documentation can be found in Chapter 4 of the *Mobility Technical Report*. Final Forecast Model Results for Year 2050, including manual adjustments, are provided in Appendix F.

5.1 Roadway Segment Analysis

A list of Four-Lane Via Las Cumbres Alternative proposed roadway improvements, new roadways, intersection improvements, new intersections, and freeway improvements are presented throughout this chapter. These improvements are predominantly based on the future year traffic volumes that are projected under buildout of the CPU land uses and to accommodate the multimodal improvements.

Roadway Modifications

- *Fashion Valley Road, from Friars Road to Hotel Circle North* – Widen the roadway to the west as redevelopment occurs from a 4-Lane Collector without Two-Way Left-Turn Lane to a 4-Lane Major Arterial. The roadway widening would also be used to accommodate a Class IV Cycle Track (two-way) along the west side of the roadway.
- *Bachman Place, from Hotel Circle South to the Southern Community Boundary* – Widen this roadway to improve from a 2-Lane Collector to a 4-Lane Collector with Two-Way Left-Turn Lane. Left-turn pockets may be provided at intersection and driveway locations in lieu of a continuous two-way left-turn lane. The widening would also provide for Class II Bike Lanes.
- *Hotel Circle North and Hotel Circle South* – The full length of these two roadways will be transformed from 2-Lane Collector (with two-way left-turn lane) roadways into a one-way couplet with two lanes, running in a counterclockwise direction. The roadways would be classified as 2-Lane Collector (One-Way). The planned Class IV Cycle Track (two-way) would be accommodated through restriping within the existing roadway width along the land use side of each roadway.
- *Friars Road, from Ulric Street/SR-163 SB Ramps to Mission Center Road* – Consistent with the SR-163 Interchange Project, improve this section from a 5-/6-Lane Major Arterial to an 8-Lane Prime Arterial, which would require limiting future driveway access. The existing Class II Bike Lanes would be maintained from Ulric Street/SR-163 SB Ramps to Frazee Road. The planned Class IV Cycle Tracks (one-way) would be accommodated between Frazee Road and Mission Center Road through lane restriping.
- *Rio San Diego Drive, from River Run Drive to Fenton Parkway* – This segment would be restriped from a 4-Lane Collector to a 2-Lane Collector while maintaining the left-turn pockets. The additional right-of-way would be restriped to accommodate the planned Class II Bike Lanes with buffers between the vehicular travel lane and parking lane. On-street parking would be retained.

- *Camino Del Rio North, from Mission City Parkway to Ward Road* – This segment would be reconstructed to better align with Camino Del Rio North west of Mission City Parkway. The roadway would be classified as a 2-Lane Collector without Two-Way Left-Turn Lane. Class II Bike Lanes would be accommodated/maintained along this segment.
- *Camino Del Rio North, from 1000' West of Fairmount Avenue to the Eastern Community Boundary* – Reclassify this segment from a 4-Lane Major Arterial to a 4-Lane Collector with Two-Way Left-Turn Lane. No infrastructure changes would be required.
- *San Diego Mission Road, from Mission Village Drive to Rancho Mission Road* – Widen the roadway with redevelopment to improve this segment from a 4-Lane Collector without Two-Way Left-Turn Lane to a 4-Lane with Two-Way Left-Turn Lane and Class II Bike Lanes. Left-turn pockets may be provided at intersection and driveway locations in lieu of a continuous two-way left-turn lane.
- *San Diego Mission Road, between Rancho Mission Road and Fairmount Avenue* – Widen and restripe this section from a 2-Lane Collector to a 4-Lane Collector with Two-Way Left-Turn lane. Left-turn pockets may be provided at intersection and driveway locations in lieu of a continuous two-way left-turn lane. The existing Class II Bike Lanes would be retained.
- *Camino Del Rio South, between the western terminus and Mission City Parkway* – Restripe this section of Camino Del Rio South from a 2-Lane Collector and 2-Lane Collector with Two-Way Left-Turn Lane to accommodate bicycle lanes. Left-turn pockets may be provided at driveway locations as needed in lieu of a continuous two-way left-turn lane. On-street parking would be removed in some locations to facilitate implementation of the two-way left-turn lane or left-turn pockets, and Class II Bike Lanes.
- *Metropolitan Drive, from Mission Valley Road to Frazee Road* – Restripe this roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 2-Lane Collector without Two-Way Left-Turn Lane to accommodate Class II Bike Lanes. On-street parking would be retained.
- *Mission Valley Road, from Frazee Road to Metropolitan Drive (clockwise)* - Restripe this roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 2-Lane Collector without Two-Way Left-Turn Lane to accommodate Class II Bike Lanes. On-street parking would be retained.
- *Murray Canyon Road, from Frazee Road to Metropolitan Drive* – Restripe this roadway from a 3-Lane Collector with Two-Way Left-Turn Lane to a 2-Lane Collector without Two-Way Left-Turn Lane to accommodate buffered Class II Bike Lanes. On-street parking would be retained.
- *Rancho Mission Road/Ward Road, between Friars Road and Camino Del Rio North* – The full extent of this roadway will be restriped to a 2-Lane Collector with Two-Way Left-Turn Lane to provide for Class IV Cycle Tracks (one-way) in each direction. Left-turn pockets may be provided at intersection and driveway locations in lieu of a continuous two-way left-turn lane. On-street parking would be largely maintained.

<u>Roadway Extensions and New Roadways</u>

To provide better connectivity throughout the Mission Valley community and provide additional access to potential new developments within the existing "super blocks," the Four-Lane Via Las Cumbres Alternative proposes the following roadway extensions and new roadways:

- *Via Las Cumbres* – Via Las Cumbres would be extended from Friars Road to Hotel Circle South as a 4-lane Major Arterial, including grade separation of the trolley tracks, bridges over San Diego River and I-8.

  This extension would connect to the reconfigured Hotel Circle North and South couplet with reconfigured Interstate 8 on-/off-ramps. The benefits of this connection are further discussed in the Connectivity Assessment Paper provided in Appendix G. Class IV Cycle Tracks (one-way) would be provided along the roadway.

- *Frazee Road* – Extend Frazee Road northwards from Murray Canyon Road to Mission Valley Road/Metropolitan Drive. The extension would be constructed as a 2-Lane Collector without Two-Way Left-Turn Lane (No Fronting Property) and would accommodate the planned Class II Bike Lanes.

- *Franklin Ridge Road* – Extend Franklin Ridge Road north from Via Alta to Phyllis Place. This extension would be constructed as a 4-Lane Major Arterial.

- *Qualcomm Way* – Since completion of the Existing Conditions Report, Qualcomm Way, from Civita Boulevard to WB Friars Road on-/off-ramps has been constructed as a 4-Lane Major Arterial, including Class II Bike Lanes.

- *Fenton Parkway* – Extend Fenton Parkway south from the existing southern terminus to Camino Del Rio North as a 4-Lane Collector with turn lanes as needed, including grade separation and bridge over the San Diego River. The benefits of this connection are further discussed in the Connectivity Assessment Paper provided in Appendix G. Class II Bike Lanes would be provided along the Fenton Parkway extension.

- *Riverwalk Drive* – Extend Riverwalk Drive from Fashion Valley Road to west of Via Las Cumbres. This extension would be constructed as a 2-Lane Collector with Two-Way Left-Turn Lane, following the existing Riverwalk Drive alignment and continuing along the south side of the Trolley line. Class II Bike Lanes would be provided along the extension.

- *Levi Cushman Street "B"* – Levi Cushman Street "B" would be an east-west running roadway, spanning from Fashion Valley Road in the east to the new Via Las Cumbres extension to the west. This roadway would be constructed as a 4-Lane Collector with Two-Way Left-Turn Lane. A Class IV Cycle Track (two-way) would be provided along the new roadway.

- *Hazard Center Drive* – Hazard Center Drive would be extended west from the western terminus to Avenida Del Rio. This extension would be constructed as a 2-Lane Collector with Two-Way Left-Turn Lane or left turn pockets as appropriate.

- *New Street "I"* – New Street "I" would be an east-west running roadway, from Fenton Parkway connecting to the future development on the stadium site. This roadway would be constructed as a 2-Lane Collector with Two-Way Left-Turn Lane. Class II Bike Lanes would be provided along the new roadway.

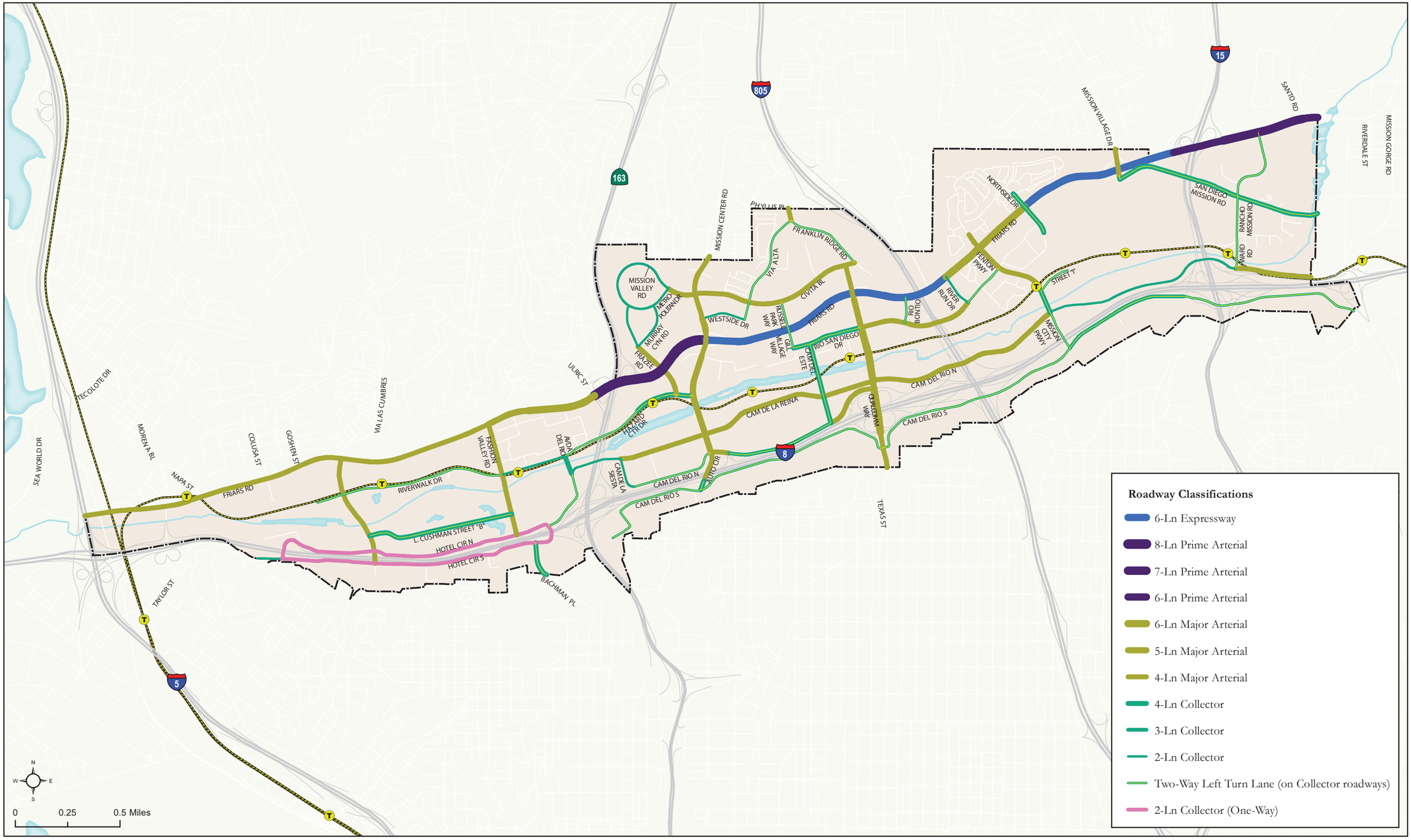
- *Avenida Del Rio, between Fashion Valley Mall Parking Lot and Camino de La Reina* – This segment would be shifted westward to align with the north-south portion of Camino De La Reina and the

Fashion Valley Mall Parking Lot Driveway and would maintain the 4-Lane Collector without Two-Way Left-Turn Lane classification. A Class IV Cycle Track (two-way) would be provided along the realigned roadway.

It should be noted that implementation of these new roadway segments may necessitate additional right-of-way and/or require the redevelopment of adjacent properties. All roadways would be designed in accordance with the *City of San Diego Street Design Manual* and their corresponding classification.

Figure 5-1 displays the Four-Lane Via Las Cumbres Alternative roadway classifications. A summary of the roadway modifications is presented in Table 5.1.

Figure 5-2 and Table 5.2 display the projected ADT volumes and associated roadway LOS under Four-Lane Via Las Cumbres Alternative conditions. Table 5.2 also identifies any potential traffic impacts associated with the Four-Lane Via Las Cumbres Alternative when comparing to existing conditions.



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Traffic Impact Study
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Figure 5-1
Roadway Classifications - Four-Lane Via Las Cumbres Alternative

Table 5.1 Planned Roadway Modifications

Roadway	Segment	Existing Functional Classification	Planned Classification Designation[1]
Segment Modifications			
Fashion Valley Road	Friars Road to Hotel Circle North	4-Ln Collector w/o TWLTL	4-Ln Major Arterial
Bachman Place	Hotel Circle South to southern community boundary	2-Ln Collector No Fronting Property	4-Ln Collector w/ TWLTL
Qualcomm Way	Friars Road WB Ramps to Friars Road EB Ramps	2-Ln Collector w/ TWLTL	4-Ln Major Arterial (implemented)
Hotel Circle North	Hotel Circle South to Hotel Circle Place	2-Ln Collector No Fronting Property	One-Way Couplet
Hotel Circle North	Hotel Circle Place to I-8 WB Ramps	2-Ln Collector w/ TWLTL	One-Way Couplet
Hotel Circle North	I-8 WB Ramps to Fashion Valley Road	3-Ln Collector (2 EB, 1 WB)	One-Way Couplet
Hotel Circle North	Fashion Valley Road to Camino De La Reina	2-Ln Collector w/ TWLTL	One-Way Couplet
Hotel Circle North	I-8 WB On-Ramp to Hotel Circle South	2-Ln Collector w/ TWLTL	One-Way Couplet
Friars Road	Ulric Street/SR-163 SB Ramps to SR-163 NB Ramps	6-Ln Major Arterial	8-Ln Prime Arterial
Friars Road	SR-163 NB Ramps to Frazee Road	5-Ln Major Arterial (3 EB, 2 WB)	8-Ln Prime Arterial
Friars Road	Frazee Road to Mission Center Road	6-Ln Prime Arterial	8-Ln Prime Arterial
Rio San Diego Drive	River Run Drive to Fenton Parkway	4-Ln Collector w/ RM	2-Ln Collector w/ TWLTL
Camino Del Rio North	Mission City Parkway to 800 Feet East of Mission City Parkway	2-Ln Collector No Fronting Property	2-Ln Collector w/o TWLTL
Camino Del Rio North	1800 Feet West of Ward Road to Ward Road	2-Ln Collector No Fronting Property	2-Ln Collector w/o TWLTL
San Diego Mission Road	Rancho Mission Road to 950 Feet West of Fairmount Avenue	2-Ln Collector w/ TWLTL	4-Ln Collector w/ TWLTL
San Diego Mission Road	950 Feet West of Fairmount Avenue to Fairmount Avenue	2-Ln Collector No Fronting Property	4-Ln Collector w/ TWLTL
Hotel Circle South	Hotel Circle North to 1200 Feet East of Hotel Circle North	2-Ln Collector No Fronting Property	One-Way Couplet
Hotel Circle South	1200 Feet East of Hotel Circle North to Bachman Place	2-Ln Collector w/ TWLTL	One-Way Couplet
Hotel Circle South	Bachman Place to Hotel Circle North	2-Ln Collector w/ TWLTL	One-Way Couplet
Camino Del Rio South	Western Terminus to 1800 Feet west of Mission Center Road	2-Ln Collector w/ Commercial Fronting	2-Ln Collector w/ TWLTL
Camino Del Rio South	Mission Center Road to Mission City Parkway	2-Ln Collector w/ Commercial Fronting	2-Ln Collector w/ TWLTL
Metropolitan Drive	Mission Valley Road to Murray Canyon Road (clockwise)	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	2-Ln Collector w/o TWLTL (NFP)
Metropolitan Drive	Murray Canyon Road to Frazee Road (clockwise)	2-Ln Collector w/ TWLTL	2-Ln Collector w/o TWLTL (NFP)

Table 5.1 Planned Roadway Modifications

Roadway	Segment	Existing Functional Classification	Planned Classification Designation[1]
Mission Valley Road	Frazee Road to Metropolitan Drive (clockwise)	2-Ln Collector w/ TWLTL	2-Ln Collector w/o TWLTL (NFP)
Murray Canyon Road	Metropolitan Drive to Frazee Road	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	2-Ln Collector w/o TWLTL (NFP)
Rancho Mission Road	Friars Road and San Diego Mission Road	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	2-Ln Collector w/ TWLTL
Rancho Mission Road	San Diego Mission Road to Camino Del Rio North	4-Ln Collector w/o TWLTL	2-Ln Collector w/ TWLTL
New Roadways			
Via Las Cumbres	Friars Road to Hotel Circle South	*Does not exist*	4-Ln Major Arterial
Frazee Road	Mission Valley Road/Metropolitan Drive to Murray Canyon Road	*Does not exist*	2-Ln Collector w/o TWLTL
Franklin Ridge Road	Phyllis Place to Via Alta	*Does not exist*	4-Ln Major Arterial
Qualcomm Way	Civita Boulevard to Friars Road WB Ramps	*Does not exist*	4-Ln Major Arterial (Implemented)
Fenton Parkway	New Street "I" to Camino Del Rio North	*Does not exist*	4-Ln Collector w/ TWLTL
Riverwalk Drive	Via Las Cumbres to Fashion Valley Road	*Does not exist*	2-Ln Collector w/ TWLTL
Levi Cushman Street "B"	Via Las Cumbres to Fashion Valley Road	*Does not exist*	4-Ln Collector w/ TWLTL
Hazard Center Drive	Avenida Del Rio to Hazard Center Drive western terminus	*Does not exist*	2-Ln Collector w/ TWLTL
New Street "I"	Mission City Parkway to eastern terminus	*Does not exist*	2-Ln Collector w/ TWLTL

Notes:
RM = Raised Median.
SM = Striped Median.
TWLTL = Two-Way Left-Turn Lane.
NFP = No Fronting Property.



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Figure 5-2
Daily Roadway Segment Traffic Volumes and Level of Service - Four-Lane Via Las Cumbres Alternative

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Phyllis Place	Franklin Ridge Road to I-805 SB Ramps	5-Ln Major Arterial	45,000	32,300	0.718	C	2-Ln Collector w/o TWLTL	2,270	0.284	A	0.434	N
Sea World Drive	Mission Bay Parkway to Friars Road	4-Ln Major Arterial	40,000	41,200	1.030	**F**	4-Ln Major Arterial	34,200	0.855	D	0.175	**Y**
Sea World Drive	Friars Road to I-5 SB Ramps	4-Ln Major Arterial	40,000	34,800	0.870	D	4-Ln Major Arterial	29,490	0.737	C	0.133	N
Tecolote Road	I-5 SB Ramps and I-5 NB Ramps	4-Ln Major Arterial	40,000	34,800	0.870	D	4-Ln Major Arterial	30,470	0.762	D	0.108	N
Tecolote Road	I-5 NB Ramps to Morena Boulevard	4-Ln Major Arterial	40,000	31,700	0.793	D	4-Ln Major Arterial	22,410	0.560	C	0.233	N
Mission Valley Road	Frazee Road to Metropolitan Drive (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	6,500	0.650	C	2-Ln Collector w/ TWLTL	7,440	0.496	A	0.154	N
Mission Valley Road	Metropolitan Drive to Mission Center Road (east of loop)	4-Ln Major Arterial	40,000	16,400	0.410	B	4-Ln Major Arterial	7,440	0.186	A	0.224	N
Civita Boulevard	Mission Center Road to Via Alta	4-Ln Major Arterial	40,000	5,000	0.125	A	4-Ln Major Arterial	2,480	0.062	A	0.063	N
Civita Boulevard	Via Alta to Qualcomm Way	4-Ln Major Arterial	40,000	4,200	0.105	A	4-Ln Major Arterial	2,480	0.062	A	0.043	N
Civita Boulevard	Qualcomm Way to Franklin Ridge Road	4-Ln Major Arterial	40,000	11,000	0.275	A	4-Ln Major Arterial	2,480	0.062	A	0.213	N
Westside Drive	Mission Center Road to Via Alta	2-Ln Collector w/o TWLTL	8,000	5,000	0.625	C	2-Ln Collector w/o TWLTL	4,070	0.508	C	0.117	N
Friars Road	Sea World Drive to Napa Street	4-Ln Major Arterial	40,000	14,600	0.365	A	4-Ln Major Arterial	13,650	0.341	A	0.024	N
Friars Road	Napa Street to Colusa Street	4-Ln Major Arterial	40,000	18,600	0.465	B	4-Ln Major Arterial	19,170	0.479	B	-0.014	N
Friars Road	Colusa Street to Via Las Cumbres	4-Ln Major Arterial	40,000	23,900	0.598	C	4-Ln Major Arterial	19,200	0.480	B	0.118	N
Friars Road	Via Las Cumbres to Fashion Valley Road	4-Ln Major Arterial	40,000	24,600	0.615	C	4-Ln Major Arterial	22,270	0.557	C	0.058	N
Friars Road	Fashion Valley Road to Via De La Moda	5-Ln Major Arterial (3 EB, 2 WB)	45,000	27,200	0.604	C	5-Ln Major Arterial (3 EB, 2 WB)	26,100	0.580	C	0.024	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Friars Road	Via De La Moda to Fashion Valley Driveway	5-Ln Major Arterial (3 EB, 2 WB)	45,000	26,600	0.591	C	5-Ln Major Arterial (3 EB, 2 WB)	25,920	0.576	C	0.015	N
Friars Road	Fashion Valley Driveway to Avenida De Las Tiendas	6-Ln Major Arterial	50,000	41,100	0.822	D	6-Ln Major Arterial	26,830	0.537	B	0.285	N
Friars Road	Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps	6-Ln Major Arterial	50,000	58,000	1.160	**F**	6-Ln Major Arterial	40,510	0.810	D	0.350	**Y**
Friars Road	Ulric Street/SR-163 SB Ramps to SR-163 NB Ramps	8-Ln Prime Arterial	80,000	55,600	0.695	C	6-Ln Prime Arterial	53,170	0.886	D	-0.191	N
Friars Road	SR-163 NB Ramps to Frazee Road	8-Ln Prime Arterial	80,000	45,000	0.563	B	6-Ln Prime Arterial	54,150	0.902	D	-0.339	N
Friars Road	Frazee Road to Mission Center Road	8-Ln Prime Arterial	80,000	41,500	0.519	B	7-Ln Expressway	42,780	0.458	B	0.061	N
Friars Road	Mission Center Road to Qualcomm Way	6-Ln Expressway	80,000	35,300	0.441	B	6-Ln Expressway	37,050	0.463	B	-0.022	N
Friars Road	Qualcomm Way to River Run Drive	6-Ln Expressway	80,000	38,600	0.483	B	6-Ln Expressway	33,250	0.416	B	0.067	N
Friars Road	River Run Drive to Fenton Parkway	6-Ln Major Arterial	50,000	39,900	0.798	C	6-Ln Prime Arterial	22,080	0.368	A	0.430	N
Friars Road	Fenton Parkway to Northside Drive	6-Ln Major Arterial	50,000	34,100	0.682	C	6-Ln Prime Arterial	28,430	0.474	B	0.208	N
Friars Road	Northside Drive to Mission Village Drive	6-Ln Expressway	80,000	51,300	0.641	C	6-Ln Expressway	45,330	0.567	C	0.074	N
Friars Road	Mission Village Drive to I-15 SB Ramps	6-Ln Expressway	80,000	84,900	1.061	**F**	6-Ln Expressway	57,740	0.722	C	0.339	**Y**
Friars Road	I-15 SB Ramps to I-15 NB Ramps	6-Ln Prime Arterial	60,000	74,100	1.235	**F**	6-Ln Prime Arterial	46,570	0.776	C	0.459	**Y**
Friars Road	I-15 NB Ramps to Rancho Mission Road	7-Ln Prime Arterial[1]	70,000	70,200	1.003	**F**	7-Ln Prime Arterial[1]	51,610	0.737	C	0.266	**Y**
Friars Road	Rancho Mission Road to Santo Road	7-Ln Prime Arterial[1]	70,000	58,600	0.837	D	7-Ln Prime Arterial[1]	39,430	0.563	B	0.274	N
Friars Road	Santo Road to Riverdale Street	6-Ln Prime Arterial	60,000	62,200	1.037	**F**	6-Ln Prime Arterial	43,380	0.723	C	0.314	**Y**
Friars Road	Riverdale Street to Mission Gorge Road	6-Ln Prime Arterial	60,000	42,700	0.712	C	6-Ln Prime Arterial	31,300	0.522	B	0.190	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Mission Gorge Road	Friars Road to Zion Avenue	6-Ln Prime Arterial	60,000	33,300	0.56	B	6-Ln Prime Arterial	40,690	0.678	C	-0.123	N
Hazard Center Drive	Avenida Del Rio to Hazard Center W. Driveway	2-Ln Collector w/ TWLTL	15,000	12,200	0.81	D	Does Not Exist				-	N
Hazard Center Drive	Hazard Center W. Driveway to Mission Center Road	4-Ln Collector w/ TWLTL	30,000	15,700	0.523	C	4-Ln Collector w/ TWLTL	8,710	0.290	A	0.233	N
Rio San Diego Drive	Gill Village Way to Qualcomm Way	4-Ln Collector w/ TWLTL	30,000	15,500	0.517	C	4-Ln Collector w/ TWLTL	10,500	0.350	B	0.167	N
Rio San Diego Drive	Qualcomm Way to River Run Drive	4-Ln Major Arterial	40,000	14,800	0.370	A	4-Ln Major Arterial	11,280	0.282	A	0.088	N
Rio San Diego Drive	River Run Drive to Fenton Parkway	2-Ln Collector w/ TWLTL	15,000	13,900	0.927	**E**	4-Ln Collector w/ RM	9,090	0.303	A	0.624	**Y**
San Diego Mission Road	Friars Road EB Ramps to Rancho Mission Road	4-Ln Collector w/ TWLTL	30,000	12,400	0.413	B	4-Ln Collector w/o TWLTL	7,590	0.506	C	-0.093	N
San Diego Mission Road	Rancho Mission Road to 950' West of Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	13,700	0.457	B	2-Ln Collector w/ TWLTL	8,020	0.534	C	-0.077	N
San Diego Mission Road	950' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	13,700	0.457	B	2-Ln Collector w/o TWLTL (NFP)	8,020	0.802	D	-0.345	N
Taylor Street	Pacific Highway to Morena Boulevard	5-Ln Major Arterial (3 EB, 2 WB)	45,000	18,700	0.416	B	5-Ln Major Arterial (3 EB, 2 WB)	19,060	0.423	B	-0.007	N
Taylor Street	Morena Boulevard to I-8 EB Ramps	2-Ln Collector w/ TWLTL	15,000	4,200	0.280	A	2-Ln Collector w/o TWLTL (NFP)	17,750	1.775	**F**	-1.495	N
Taylor Street	I-8 EB Ramps to Hotel Circle South	2-Ln Collector w/o TWLTL (NFP)	10,000	5,200	0.520	B	2-Ln Collector w/ TWLTL	14,410	0.961	**E**	-0.441	N
Hotel Circle North	Hotel Circle South to Fashion Valley Road	2-Ln Collector (one-way)	17,500	8,400	0.480	B	2-Ln Collector w/ TWLTL	12,460	0.831	D	-0.351	N
Hotel Circle North	Fashion Valley Road to I-8 WB Off-Ramp	2-Ln Collector (one-way)	17,500	12,800	0.731	D	3-Ln Collector (2 EB, 1 WB)	15,510	1.410	**F**	-0.679	N
Hotel Circle North	I-8 WB Off-Ramp to Via Las Cumbres	2-Ln Collector (one-way)	17,500	23,900	1.366	**F**	2-Ln Collector w/ TWLTL	6,510	0.434	B	0.932	**Y**

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Hotel Circle North	Via Las Cumbres to I-8 WB On-Ramp	2-Ln Collector (one-way)	17,500	15,700	0.897	**E**	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-0.637	N
Hotel Circle North	I-8 WB On-Ramp to Hotel Circle South	2-Ln Collector (one-way)	17,500	3,400	0.194	A	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-1.340	N
Camino De La Reina	Hotel Circle North to Avenida Del Rio	2-Ln Collector w/ TWLTL	15,000	8,800	0.587	C	2-Ln Collector w/ TWLTL	8,480	0.566	C	0.021	N
Camino De La Reina	Avenida Del Rio to Camino De La Siesta	2-Ln Collector w/o TWLTL (NFP)	10,000	17,000	1.700	**F**	2-Ln Collector w/o TWLTL (NFP)	13,360	1.336	**F**	0.364	**Y**
Camino De La Reina	Camino De La Siesta to Mission Center Road	4-Ln Major Arterial	40,000	10,800	0.270	A	4-Ln Major Arterial	10,730	0.268	A	0.002	N
Camino De La Reina	Mission Center Road to Camino Del Este	4-Ln Major Arterial	40,000	19,700	0.493	B	4-Ln Major Arterial	18,530	0.463	B	0.030	N
Camino De La Reina	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	13,300	0.333	A	4-Ln Major Arterial	13,770	0.344	A	-0.011	N
Camino Del Rio North	Camino De La Siesta to Mission Center Road	2-Ln Collector w/ TWLTL	15,000	12,900	0.860	D	2-Ln Collector w/ TWLTL	5,430	0.362	B	0.498	N
Camino Del Rio North	Mission Center Road to I-8 WB Ramps	4-Ln Major Arterial	40,000	29,500	0.738	C	4-Ln Major Arterial	24,030	0.601	C	0.137	N
Camino Del Rio North	I-8 WB Ramps to Camino Del Este	3-Ln Collector w/ TWLTL (1 EB, 2 WB)	22,500	10,900	0.484	C	3-Ln Collector w/ RM (1 EB, 2 WB)	11,910	0.529	C	-0.045	N
Camino Del Rio North	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	21,100	0.528	C	4-Ln Major Arterial	12,180	0.305	A	0.223	N
Camino Del Rio North	Qualcomm Way to Mission City Parkway	4-Ln Major Arterial	40,000	15,500	0.388	B	4-Ln Major Arterial	10,590	0.265	A	0.123	N
Camino Del Rio North	Mission City Parkway to 1800' West of Ward Rd	2-Ln Collector w/o TWLTL (NFP)	10,000	8,800	0.880	D	2-Ln Collector w/o TWLTL (NFP)	8,080	0.808	D	0.072	N
Camino Del Rio North	1800' West of Ward Road to Ward Road	2-Ln Collector w/o TWLTL (NFP)	10,000	9,700	0.970	**E**	2-Ln Collector w/o TWLTL (NFP)	8,920	0.892	D	0.078	**Y**
Camino Del Rio North	Ward Road to 1000' West of Fairmount Avenue	4-Ln Major Arterial	40,000	20,000	0.500	A	4-Ln Major Arterial	11,830	0.296	A	0.204	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI ?
Camino Del Rio North	1000' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	20,000	0.667	C	4-Ln Collector w/ TWLTL	13,470	0.449	B	0.218	N
Hotel Circle South	Taylor Street to I-8 EB Off-Ramp	2-Ln Collector (one-way)	17,500	3,200	0.183	A	2-Ln Collector w/o TWLTL (NFP)	12,010	1.201	**F**	-1.018	N
Hotel Circle South	I-8 EB Off-Ramp to Via Las Cumbres	2-Ln Collector (one-way)	17,500	16,400	0.937	**E**	2-Ln Collector w/ TWLTL	12,340	0.823	D	0.114	**Y**
Hotel Circle South	Via Las Cumbres to I-8 EB On-Ramp	2-Ln Collector (one-way)	17,500	30,000	1.714	**F**	2-Ln Collector w/ TWLTL	12,340	0.823	D	0.891	**Y**
Hotel Circle South	I-8 EB On-Ramp to Bachman Place	2-Ln Collector (one-way)	17,500	13,500	0.771	D	2-Ln Collector w/ TWLTL	17,200	1.146	**F**	-0.375	N
Hotel Circle South	Bachman Place to Hotel Circle North/Camino De La Reina	2-Ln Collector (one-way)	17,500	14,300	0.817	D	2-Ln Collector w/ TWLTL	15,580	1.038	**F**	-0.221	N
Camino Del Rio South	Western Terminus to Mission Center Road	2-Ln Collector w/ TWLTL	15,000	7,300	0.487	C	2-Ln Collector w/ w/o TWLTL	7,330	0.916	**E**	-0.429	N
Camino Del Rio South	Mission Center Road to Texas Street	2-Ln Collector w/ TWLTL	15,000	8,700	0.580	C	2-Ln Collector w/ w/o TWLTL	7,410	0.927	**E**	-0.347	N
Camino Del Rio South	Texas Street to Mission City Parkway	2-Ln Collector w/ TWLTL	15,000	11,000	0.733	D	2-Ln Collector w/ w/o TWLTL	8,140	1.018	**F**	-0.285	N
Camino Del Rio South	Mission City Parkway to I-15 SB Off-Ramp	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	22,500	14,100	0.627	C	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	11,750	0.522	C	0.105	N
Camino Del Rio South	I-15 SB Off-Ramp to I-15 NB On-Ramp	2-Ln Collector w/ TWLTL	15,000	17,000	1.133	**F**	4-Ln Collector w/ TWLTL	9,580	0.319	A	0.814	**Y**
Camino Del Rio South	I-15 NB On-Ramp to Fairmount Avenue	2-Ln Collector w/ TWLTL	15,000	7,700	0.513	C	2-Ln Collector w/ TWLTL	6,370	0.424	B	0.089	N
Morena Boulevard	Tecolote Road to West Morena Boulevard	2-Ln Collector w/ TWLTL	15,000	16,500	1.100	**F**	2-Ln Collector w/ TWLTL	16,180	1.079	**F**	0.021	**Y**
Morena Boulevard	West Morena Boulevard to Linda Vista Road	4-Ln Major Arterial	40,000	15,800	0.395	B	4-Ln Major Arterial	17,740	0.443	B	-0.048	N
Morena Boulevard	Linda Vista Road to I-8 WB Off-Ramp	4-Ln Major Arterial	40,000	28,400	0.710	C	4-Ln Major Arterial	41,930	1.048	**F**	-0.338	N
Morena Boulevard	I-8 WB Off-Ramp to Taylor Street	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	15,300	0.680	D	3-Ln Collector w/ RM (2 NB, 1 SB)	11,570	0.514	C	0.166	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Napa Street	Morena Boulevard to Friars Road	4-Ln Major Arterial	40,000	15,400	0.385	B	4-Ln Major Arterial	13,430	0.336	A	0.049	N
Colusa Street	Linda Vista Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	2,600	0.325	B	2-Ln Collector w/o TWLTL	2,720	0.339	B	-0.014	N
Via Las Cumbres	Linda Vista Road to Friars Road	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	12,500	1.136	**F**	3-Ln Collector (2 NB, 1 SB)	10,920	0.993	**E**	0.143	**Y**
Via Las Cumbres	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	14,100	0.353	A	Does Not Exist				0.353	N
Via Las Cumbres	Riverwalk Drive to Levi-Cushman Street "B"	4-Ln Major Arterial	40,000	19,400	0.485	B	Does Not Exist				0.485	N
Via Las Cumbres	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	23,200	0.580	C	Does Not Exist				0.580	N
Via Las Cumbres	Hotel Circle North to Hotel Circle South	4-Ln Major Arterial	40,000	30,300	0.758	D	Does Not Exist				0.758	N
Fashion Valley Road	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	7,700	0.193	A	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.472	N
Fashion Valley Road	Riverwalk Drive to Levi-Cushman Street "B"	4-Ln Major Arterial	40,000	17,700	0.443	B	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.222	N
Fashion Valley Road	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	22,400	0.560	C	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.105	N
Bachman Place	Hotel Circle South to southern community boundary	4-Ln Collector w/ TWLTL	30,000	20,600	0.686	D	2-Ln Collector w/o TWLTL (NFP)	9,140	0.914	**E**	-0.399	N
Avenida Del Rio	Fashion Valley Parking Lot to Camino De La Reina	4-Ln Collector w/o TWLTL	15,000	18,100	1.207	**F**	4-Ln Collector w/o TWLTL	8,740	0.583	C	0.624	**Y**
Ulric Street	Fashion Hills Boulevard to 600' South of Fashion Hills Blvd	2-Ln Collector w/ TWLTL	15,000	25,800	1.720	**F**	2-Ln Collector w/ TWLTL	20,380	1.359	**F**	0.361	**Y**
Ulric Street	600' South of Fashion Hills Boulevard to Friars Road	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	27,000	1.200	**F**	3-Ln Collector w/ SM (1 NB 2 SB)	20,430	0.908	**E**	0.292	**Y**
Camino De La Siesta	Camino De La Reina to Camino Del Rio North	2-Ln Collector w/o TWLTL	8,000	9,400	1.175	**F**	2-Ln Collector w/o TWLTL	5,150	0.643	D	0.532	**Y**

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing					
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI ?
Metropolitan Drive	Mission Valley Road to Murray Canyon Road (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	10,100	1.010	**F**	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	0.839	**Y**
Metropolitan Drive	Murray Canyon Road to Frazee Road (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	6,900	0.690	C	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	0.519	N
Murray Canyon Road	Metropolitan Drive to Frazee Road	2-Ln Collector w/o TWLTL (NFP)	10,000	5,400	0.540	B	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	7,400	0.329	A	0.211	N
Frazee Road	Metropolitan Drive to Murray Canyon Road	2-Ln Collector w/o TWLTL (NFP)	10,000	6,100	0.610	C	Does Not Exist				0.610	N
Frazee Road	Murray Canyon Road to Friars Road	4-Ln Major Arterial	40,000	20,300	0.508	B	4-Ln Major Arterial	14,670	0.367	A	0.141	N
Frazee Road	Friars Road to Hazard Center Drive	4-Ln Major Arterial	40,000	19,000	0.475	B	4-Ln Major Arterial	17,050	0.426	B	0.049	N
Mission Center Road	Murray Ridge Road to 1200' West of Murray Ridge Road	2-Ln Collector w/o TWLTL	8,000	14,700	1.838	**F**	2-Ln Collector w/o TWLTL	10,970	1.097	**F**	0.741	**Y**
Mission Center Road	1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	14,700	1.336	**F**	3-Ln Collector (2 NB, 1 SB)	10,720	0.975	**E**	0.361	**Y**
Mission Center Road	950' North of Mission Valley Road to Mission Valley Road	4-Ln Major Arterial	40,000	14,700	0.368	A	4-Ln Major Arterial	10,940	0.273	A	0.095	N
Mission Center Road	Mission Valley Road to Westside Drive	4-Ln Major Arterial	40,000	20,200	0.505	B	4-Ln Major Arterial	14,170	0.354	A	0.151	N
Mission Center Road	Westside Drive to Friars Road WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	32,900	0.731	C	5-Ln Major Arterial (3 NB, 2 SB)	26,020	0.578	C	0.153	N
Mission Center Road	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	25,500	0.638	C	4-Ln Major Arterial	22,830	0.571	C	0.067	N
Mission Center Road	Friars Road EB Ramps to Mission Center Court	4-Ln Major Arterial	40,000	22,300	0.558	C	4-Ln Major Arterial	19,470	0.487	B	0.071	N
Mission Center Road	Mission Center Court to Hazard Center Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	26,000	0.578	C	5-Ln Major Arterial (2 NB, 3 SB)	19,450	0.432	B	0.146	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Mission Center Road	Hazard Center Drive to Camino De La Reina	5-Ln Major Arterial (2 NB, 3 SB)	45,000	32,000	0.711	C	5-Ln Major Arterial (2 NB, 3 SB)	27,060	0.601	C	0.110	N
Mission Center Road	Camino De La Reina to Camino Del Rio North	5-Ln Major Arterial (3 NB, 2 SB)	45,000	31,600	0.702	C	5-Ln Major Arterial (3 NB, 2 SB)	23,280	0.517	B	0.185	N
Auto Circle	Camino Del Rio North to I-8 EB Ramps	4-Ln Major Arterial	40,000	40,700	1.018	**F**	4-Ln Major Arterial	34,100	0.852	D	0.166	**Y**
Auto Circle	I-8 EB Ramps to Camino Del Rio South	4-Ln Collector w/ TWLTL	30,000	17,800	0.593	C	4-Ln Collector w/ RM	20,980	0.699	D	-0.106	N
Via Alta	Franklin Ridge Road to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	10,700	0.713	D	Does Not Exist				0.713	N
Via Alta	Civita Boulevard to Westside Drive	2-Ln Collector w/ TWLTL	15,000	6,300	0.420	B	2-Ln Collector w/ RM	1,340	0.089	A	0.331	N
Murray Ridge Road	Mission Center Road to I-805 NB Ramps	2-Ln Collector w/ TWLTL	15,000	23,800	1.587	**F**	2 Ln Collector w/ TWLTL	20,000	1.333	**F**	0.254	**Y**
Murray Ridge Road	I-805 NB Ramps to I-805 SB Ramps	2-Ln Collector w/ TWLTL	15,000	24,000	1.600	**F**	2-Ln Collector w/ TWLTL	11,700	0.780	D	0.820	**Y**
Russell Park Way	Civita Boulevard to Friars Road	2-Ln Collector w/ TWLTL	15,000	7,300	0.487	C	2-Ln Collector w/ RM	1,020	0.068	A	0.419	N
Camino Del Este	Rio San Diego Drive to Camino De La Reina	4-Ln Collector w/ TWLTL	30,000	14,000	0.467	B	4-Ln Collector w/ RM or TWLTL	8,450	0.282	A	0.185	N
Camino Del Este	Camino De La Reina to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	18,100	0.603	C	4-Ln Collector w/ RM or TWLTL	9,880	0.329	A	0.274	N
Franklin Ridge Road	Phyllis Place to Via Alta	4-Ln Major Arterial	40,000	31,500	0.788	D	Does Not Exist				0.788	N
Franklin Ridge Road	Via Alta to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	17,100	1.140	**F**	Does Not Exist				1.140	**Y**
Qualcomm Way	Civita Boulevard to Friars Road WB Ramps	4-Ln Major Arterial	40,000	19,700	0.493	B	Does Not Exist				0.493	N
Qualcomm Way	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	30,200	0.755	D	2-Ln Collector w/ TWLTL	9,300	0.620	C	0.135	N
Qualcomm Way	Friars Road EB Ramps to Rio San Diego Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	26,200	0.582	C	5-Ln Major Arterial	10,200	0.227	A	0.355	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Qualcomm Way	Rio San Diego Drive to Camino Del Rio North	6-Ln Major Arterial	50,000	42,400	0.848	D	6-Ln Major Arterial	24,330	0.487	B	0.361	N
Qualcomm Way	Camino Del Rio North to I-8 WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	49,000	1.089	**F**	5-Ln Major Arterial (3 NB, 2 SB)	23,560	0.524	B	0.565	**Y**
Qualcomm Way	I-8 WB Ramps to I-8 EB Ramps	6-Ln Major Arterial	50,000	53,100	1.062	**F**	6-Ln Major Arterial	36,410	0.728	C	0.334	**Y**
Qualcomm Way	I-8 EB Ramps to Camino Del Rio South	4-Ln Major Arterial	40,000	32,000	0.800	D	4-Ln Major Arterial	25,830	0.646	C	0.154	N
Texas Street	Camino Del Rio South to 1400' North of Madison Ave	4-Ln Major Arterial	40,000	33,000	0.825	D	4-Ln Major Arterial	29,050	0.726	C	0.099	N
Texas Street	1400' North of Madison Ave to Madison Avenue	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	22,500	33,100	1.471	**F**	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	29,240	1.300	**F**	0.171	**Y**
Texas Street	Madison Avenue to Meade Ave	2-Ln Collector w/ TWLTL	15,000	20,300	1.353	**F**	2-Ln Collector w/ TWLTL	17,090	1.139	**F**	0.214	**Y**
Texas Street	Meade Ave to El Cajon Boulevard	3-Ln Collector	11,000	15,500	1.409	**F**	3-Ln Collector	14,310	1.300	**F**	0.109	**Y**
River Run Drive	Friars Road to Rio San Diego Drive	2-Ln Collector w/o TWLTL	8,000	4,100	0.513	C	2-Ln Collector w/o TWLTL	4,030	0.504	C	0.009	N
Fenton Parkway	Portofino Driveway to Friars Road	4-Ln Major Arterial	40,000	4,900	0.123	A	4-Ln Major Arterial	4,120	0.103	A	0.020	N
Fenton Parkway	Friars Road to Rio San Diego Drive	4-Ln Major Arterial	40,000	15,600	0.390	B	4-Ln Major Arterial	12,610	0.315	A	0.075	N
Fenton Parkway	Rio San Diego Drive to Del Rio Apartments Driveway	4-Ln Major Arterial	40,000	9,300	0.233	A	4-Ln Major Arterial	5,400	0.135	A	0.098	N
Fenton Parkway	Del Rio Apartments Driveway to New Street "I"	4-Ln Major Arterial	40,000	9,300	0.233	A	Does Not Exist				0.233	N
Fenton Parkway	New Street "I" to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	13,800	0.460	B	Does Not Exist				0.460	N
Mission City Parkway	Camino Del Rio North to Camino Del Rio South	2-Ln Collector w/ TWLTL	15,000	10,800	0.720	D	2-Ln Collector w/ TWLTL	6,430	0.428	B	0.291	N
Northside Drive	Portofino Driveway to Friars Road	4-Ln Collector w/ TWLTL	30,000	5,000	0.167	A	4-Ln Collector w/ RM	6,590	0.220	A	-0.053	N
Northside Drive	Friars Road to Fenton Marketplace Driveway	4-Ln Collector w/ TWLTL	30,000	24,700	0.823	D	4-Ln Collector w/ RM	20,310	0.677	C	0.146	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Northside Drive	Fenton Marketplace Driveway to Lowe's Frontage Road	Shopping Center Driveway[2]	22,500	19,700	0.876	**E**	3-Ln Collector w/ RM (2 NB, 1 SB)	15,890	0.706	D	0.170	**Y**
Mission Village Drive	Ronda Avenue to Friars Road WB Ramps	4-Ln Major Arterial	40,000	17,800	0.445	B	4-Ln Major Arterial	17,220	0.431	B	0.014	N
Mission Village Drive	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	30,500	0.763	D	4-Ln Major Arterial	13,660	0.342	A	0.421	N
Rancho Mission Road	Friars Road to San Diego Mission Road	2-Ln Collector w/ TWLTL	15,000	15,900	1.060	**F**	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	12,820	0.570	C	0.490	**Y**
Rancho Mission Road	San Diego Mission Road to Camino Del Rio North	2-Ln Collector w/ TWLTL	15,000	19,000	1.267	**F**	4-Ln Collector w/o TWLTL	9,580	0.639	C	0.628	**Y**
Santo Road	Northern Terminus to Friars Road	4-Ln Major Arterial	40,000	15,700	0.393	B	2-Ln Collector w/o TWLTL	6,360	0.796	D	-0.403	N
Riverdale Street	Zion Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	2,200	0.275	A	2-Ln Collector w/ w/o TWLTL	2,770	0.346	B	-0.071	N
Riverdale Street	Friars Road to Vandever Avenue	2-Ln Collector w/o TWLTL	8,000	26,600	3.325	**F**	2-Ln Collector w/ w/o TWLTL	8,900	1.113	**F**	2.212	**Y**
Mission Gorge Road	Friars Road to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	22,500	0.750	D	4-Ln Collector w/ TWLTL	14,710	0.490	C	0.260	N
Fairmount Avenue	Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp	4-Ln Major Arterial	40,000	52,900	1.323	**F**	4-Ln Major Arterial	40,210	1.005	**F**	0.318	**Y**
Fairmount Avenue	I-8 EB Off-Ramp to Camino Del Rio South	6-Ln Expressway	80,000	92,800	1.160	**F**	6-Ln Expressway	82,880	1.036	**F**	0.124	**Y**
Riverwalk Drive	West of Via Las Cumbres	2-Ln Collector w/ TWLTL	15,000	2,900	0.193	A	Does Not Exist				0.193	N
Riverwalk Drive	Via Las Cumbres to Fashion Valley Road	2-Ln Collector w/ TWLTL	15,000	3,000	0.200	A	Does Not Exist				0.200	N
Riverwalk Drive	Fashion Valley Road to Avenida Del Rio	2-Ln Collector w/o TWLTL	8,000	14,100	1.763	**F**	Does Not Exist				1.763	**Y**
Levi-Cushman Street "B"	Via Las Cumbres to Fashion Valley Road	4-Ln Collector w/ TWLTL	30,000	13,300	0.443	B	Does Not Exist				0.443	N
Goshen St	Linda Vista Rd to Gaines St	2-Ln Collector w/o TWLTL	8,000	4,300	0.538	C	Not Analyzed				0.538	N
Goshen St	Gaines St to Friars Rd	2-Ln Collector w/o TWLTL	8,000	3,300	0.413	B	Not Analyzed				0.413	N

Table 5.2 Roadway Segment Analysis – Four-Lane Via Las Cumbres Alternative

Roadway	Segment	Four-Lane Via Las Cumbres Alternative					Existing				Δ V/C	SI ?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
New Street "I"	Mission City Parkway to Eastern End	2-Ln Collector w/ TWLTL	15,000	11,800	0.787	D	Does Not Exist				0.787	N
Gill Village Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	5,700	0.380	B	Not Analyzed				0.380	N
Rio Bonito Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	4,000	0.266	A	Not Analyzed				0.266	N

Notes:
Bold letter indicates substandard LOS E or F.
RM = Raised Median.
SM = Striped Median.
TWLTL = Two-Way Left-Turn Lane.
NFP = No Fronting Property.
SI = Significant Impact.
[1] Capacity for a 7-Ln Prime Arterial is calculated assuming that each additional lane above a 6-Ln Arterial adds 5,000 ADT for LOS A, 7,500 ADT for LOS B and 10,000 ADT for LOS C, D, and E.
[2] Shopping Center Driveway was analyzed as a 3-Ln Collector w/ TWLTL.

As shown in Table 5.2, based on the criteria documented in Section 2.3, the CPU land uses and Four-Lane Via Las Cumbres Alternative will result in a LOS of E or F along the following 39 roadway segments, and have a significant traffic impact to the 38 roadway segments in **bold**, when comparing to the existing conditions (Four-Lane Via Las Cumbres Alternative-to-Ground):

- **Sea World Drive, Mission Bay Parkway to Friars Road (LOS F, Δ in V/C 0.175)**
- **Friars Road, Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps (LOS F, Δ in V/C 0.35)**
- **Friars Road, Mission Village Drive to I-15 SB Ramps (LOS F, Δ in V/C 0.339)**
- **Friars Road, I-15 SB Ramps to I-15 NB Ramps (LOS F, Δ in V/C 0.459)**
- **Friars Road, I-15 NB Ramps to Rancho Mission Road (LOS F, Δ in V/C 0.266)**
- **Friars Road, Santo Road to Riverdale Street (LOS F, Δ in V/C 0.314)**
- **Rio San Diego Drive, River Run Drive to Fenton Parkway (LOS E, Δ in V/C 0.624)**
- **Hotel Circle North, I-8 WB Off-Ramp to Via Las Cumbres (LOS F, Δ in V/C 0.932)**
- Hotel Circle North, Via Las Cumbres to I-8 WB On-Ramp (LOS E, Δ in V/C -0.637) – not impacted
- **Camino De La Reina, Avenida Del Rio to Camino De La Siesta (LOS F, Δ in V/C 0.364)**
- **Camino Del Rio North, 1800' West of Ward Road to Ward Road (LOS E, Δ in V/C 0.078)**
- **Hotel Circle South, I-8 EB Off-Ramp to Via Las Cumbres (LOS E, Δ in V/C 0.114)**
- **Hotel Circle South, Via Las Cumbres to I-8 EB On-Ramp (LOS F, Δ in V/C 0.891)**
- **Camino Del Rio South, I-15 SB Ramps to I-15 NB Ramps (LOS F, Δ in V/C 0.814)**
- **Morena Boulevard, Tecolote Road to West Morena Boulevard (LOS F, Δ in V/C 0.021)**
- **Via Las Cumbres, Linda Vista Road to Friars Road (LOS F, Δ in V/C 0.143)**
- **Avenida Del Rio, Fashion Valley Parking Lot to Camino De La Reina (LOS F, Δ in V/C 0.624)**
- **Ulric Street, Fashion Hills Boulevard to 600' South of Fashion Hills Blvd (LOS F, Δ in V/C 0.361)**
- **Ulric Street, 600' South of Fashion Hills Boulevard to Friars Road (LOS F, Δ in V/C 0.292)**
- **Camino De La Siesta, Camino De La Reina to Camino Del Rio North (LOS F, Δ in V/C 0.532)**
- **Metropolitan Drive, Mission Valley Road to Murray Canyon Road (clockwise) (LOS F, Δ in V/C 0.839)**
- **Mission Center Road, Murray Ridge Road to 1200' West of Murray Ridge Road (LOS F, Δ in V/C 0.741)**
- **Mission Center Road, 1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd (LOS F, Δ in V/C 0.361)**
- **Auto Circle, Camino Del Rio North to I-8 EB Ramps (LOS F, Δ in V/C 0.166)**
- **Murray Ridge Road, Mission Center Road to I-805 NB Ramps (LOS F, Δ in V/C 0.254)**
- **Murray Ridge Road, I-805 NB Ramps to I-805 SB Ramps (LOS F, Δ in V/C 0.820)**
- **Franklin Ridge Road, Via Alta to Civita Boulevard (LOS F, Δ in V/C 1.14)**
- **Qualcomm Way, Camino Del Rio North to I-8 WB Ramps (LOS F, Δ in V/C 0.565)**
- **Qualcomm Way, I-8 WB Ramps to I-8 EB Ramps (LOS F, Δ in V/C 0.334)**
- **Texas Street, 1400' North of Madison Ave to Madison Avenue (LOS F, Δ in V/C 0.171)**
- **Texas Street, Madison Avenue to Meade Ave (LOS F, Δ in V/C 0.214)**
- **Texas Street, Meade Ave to El Cajon Boulevard (LOS F, Δ in V/C 0.109)**
- **Northside Drive, Fenton Marketplace Driveway to Lowe's Frontage Road (LOS E, Δ in V/C 0.17)**
- **Rancho Mission Road, Friars Road to San Diego Mission Road (LOS F, Δ in V/C 0.49)**
- **Rancho Mission Road, San Diego Mission Road to Camino Del Rio North (LOS F, Δ in V/C 0.628)**
- **Riverdale Street, Friars Road to Vandever Avenue (LOS F, Δ in V/C 2.212)**
- **Fairmount Avenue, Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp (LOS F, Δ in V/C 0.318)**
- **Fairmount Avenue, I-8 EB Off-Ramp to Camino Del Rio South (LOS F, Δ in V/C 0.124)**
- **Riverwalk Drive, Fashion Valley Road to Avenida Del Rio (LOS F, Δ in V/C 1.763)**

5.2 Intersection Analysis

Several intersections are proposed to be modified to accommodate buildout of the roadway segment classifications. New intersection legs and twelve new intersections are recommended for the Mission Valley community.

New Intersections

Phyllis Place / Franklin Ridge Road
This intersection will be constructed to include 1 northbound left-turn lane, 1 eastbound through lane, 1 eastbound shared right-turn through lane, 2 westbound left-turn lanes, and 1 westbound through lane.

Via Alta / Franklin Ridge Road
This intersection will be constructed to include 1 northbound left-turn lane, 1 northbound shared right-turn through lane, 1 southbound left-turn lane, 1 southbound shared right-turn through lane, 1 eastbound left-turn lane, and 1 eastbound shared right-turn through lane.

Civita Boulevard / Qualcomm Way
This intersection will be constructed to include 1 northbound left-turn lane, 1 northbound right-turn lane with overlap phase, 1 eastbound through lane, 1 eastbound shared right-turn through lane, 1 westbound left-turn lane, and 1 westbound through lane.

Civita Boulevard / Franklin Ridge Road
This intersection will be constructed to include 1 northbound left-turn lane, 1 northbound through lane, 1 southbound shared right-turn through lane, 1 southbound right-turn lane, 1 eastbound left-turn lane, and 1 eastbound right-turn lane.

New Street "I" / Fenton Parkway
This intersection will be constructed to include 2 northbound through lanes, 1 northbound shared right-turn through lane, 1 southbound left-turn lane, 2 southbound through lane, 1 westbound left-turn lane, and 1 westbound right-turn lane.

Riverwalk Drive / Via Las Cumbres
This intersection will be constructed to include 1 northbound through lane, 1 northbound shared right-turn through lane, 1 southbound left-turn lane, 2 southbound through lanes, 1 westbound left-turn lane, and 1 westbound right-turn lane

Riverwalk Drive / Fashion Valley Road
Reconstruct the west leg to provide 1 eastbound left-turn lane and 1 eastbound shared right-turn through lane. Restripe the east leg to provide 1 westbound left-turn lane and 1 westbound shared right-turn through lane.

Levi Cushman Street "B" / Via Las Cumbres
This intersection will be constructed to include 1 northbound through lane, 1 northbound shared right-turn through lane, 1 southbound left-turn lane, 2 southbound through lanes, 1 westbound left-turn lane, and 1 westbound right-turn lane.

Levi Cushman Street "B" / Fashion Valley Road
This intersection will be constructed to include 1 northbound left-turn lane, 2 northbound through lanes, 1 southbound through lane, 1 northbound shared right-turn through lane, 1 eastbound left-turn lane, and 1 eastbound right-turn lane.

Hotel Circle North / Via Las Cumbres
This intersection will be constructed to include 1 northbound left-turn lane, 2 northbound through lanes, 1 southbound through lane, 1 southbound shared right-turn through lane, 1 southbound right-turn lane, 1 westbound shared left-turn through lane, 1 westbound through lane, and 1 westbound right-turn lane. These improvements are consistent with the I-8 Corridor Study.

Hotel Circle South / Via Las Cumbres
This intersection will be constructed to include 1 northbound shared right-turn through lane, 2 southbound left-turn lanes. These improvements are consistent with the I-8 Corridor Study.

Hotel Circle South / Camino de La Reina
This intersection will be constructed to include 1 northbound through lane, 1 northbound right-turn lane, and 1 westbound right-turn lane. These improvements are consistent with the I-8 Corridor Study.

Additionally, the roadway network was evaluated to identify intersection locations, both existing and new intersections, that would benefit from the implementation of a roundabout or signalization. Traffic signal warrants were conducted at the intersections where signalization is recommended. Figure 4C-103 (CA) of the California Manual on Uniform Traffic Control Devices (MUTCD) 2014 Edition – Revision 3 (March 9, 2018) was utilized and all intersections would meet the warrants. Signal warrants worksheets are included in Appendix H. Further assessment of the viability of a roundabout should be considered and conducted at the project-level.

A summary of new intersections, new intersection legs, and major control modifications is presented in Table 5.3.

Table 5.3 Planned Intersection Modifications

No.	Intersection	Improvement	Proposed Control
5	Mission Center Road / Civita Boulevard	Split phase to protected (EW)	Signalized
10	Via Las Cumbres / Friars Road	Add south leg	Signalized
34	River Run Drive / Rio San Diego Drive	Single lane roundabout	Roundabout[1]
39	Avenida Del Rio / Camino De La Reina	Relocate intersection to the west (with bridge realignment)	Signalized
43	Mission City Parkway / Camino Del Rio North	Add north leg (bridge to Fenton Parkway)	Signalized
68	Phyllis Place / Franklin Ridge Road	New intersection	Signalized
69	Via Alta / Franklin Ridge Road	New intersection	Signalized
70	Civita Boulevard / Qualcomm Way	New intersection[2]	Signalized
71	Civita Boulevard / Franklin Ridge Road	New intersection[2]	Signalized
72	New Street "I" / Fenton Parkway	New intersection	Signalized
73	Riverwalk Drive / Via Las Cumbres	New intersection	Signalized
74	Riverwalk Drive / Fashion Valley Road	Modify to accommodate Riverwalk Drive extension	Signalized

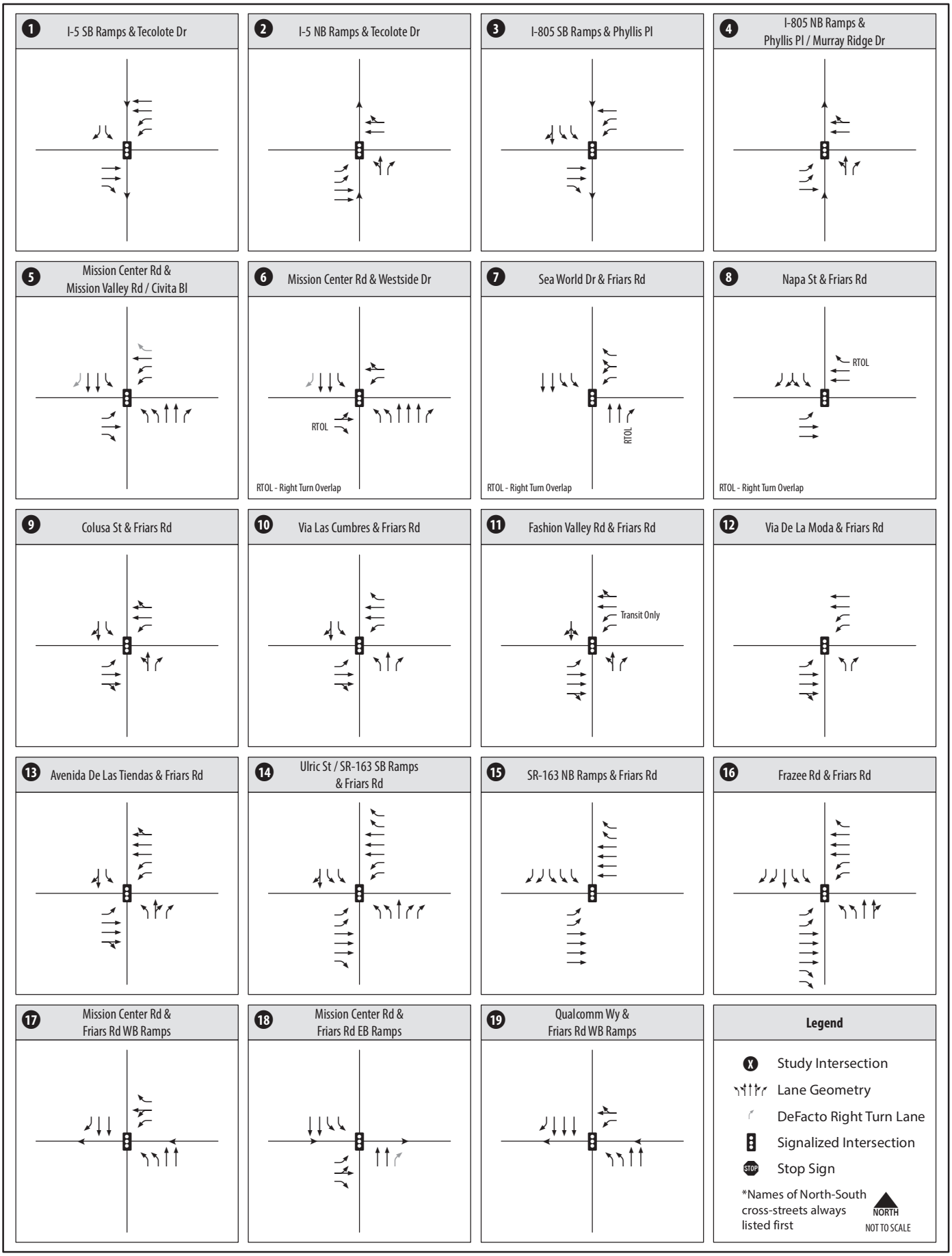
Table 5.3 Planned Intersection Modifications

No.	Intersection	Improvement	Proposed Control
75	Avenida Del Rio / Fashion Valley Mall Driveway	Relocate intersection to the west (with bridge realignment)	Signalized
76	Levi Cushman Street "B" / Via Las Cumbres	New intersection	Signalized
77	Levi Cushman Street "B" / Fashion Valley Road	New intersection	Signalized
78	Hotel Circle North / Via Las Cumbres	New intersection	Signalized
79	Hotel Circle South / Via Las Cumbres	New intersection	Signalized
80	Hotel Circle South / Camino De La Reina	Convert to accommodate ne-Way Collector/cycle track	Signalized
--	Frazee Road / Murray Canyon Road	Add north leg & signalize	Signalized

Notes:
[1] High level feasibility assessment was conducted; however, a more detailed operational and feasibility analysis will be needed at the project-level.
[2] Intersection implemented since Existing Conditions Report.

Four-Lane Via Las Cumbres Alternative intersection geometrics are presented in Figure 5-3, while forecast AM and PM peak hour turning movements are displayed in Figure 5-4, and midday turning movements in Figure 5-5.

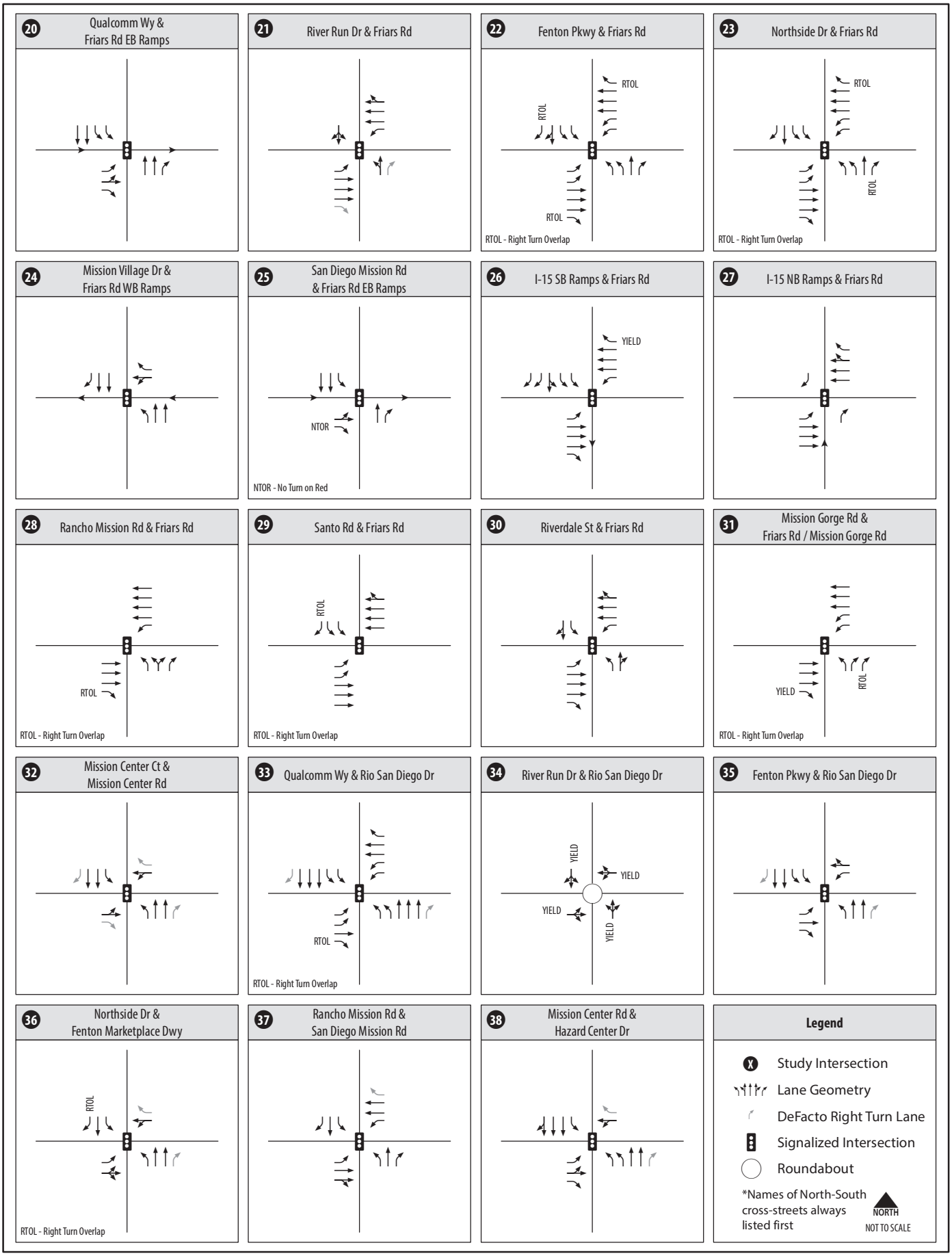
Figure 5-6 presents AM and PM peak hour intersection LOS analysis results, while midday results are displayed in Figure 5-7. AM and PM peak hour and midday LOS analysis results, as well as any potential traffic impacts associated with the Four-Lane Via Las Cumbres Alternative when comparing to the existing conditions are provided in Table 5.4. Signal timing was assumed to be optimized under Four-Lane Via Las Cumbres Alternative conditions. Intersection LOS calculation worksheets are provided in Appendix I.



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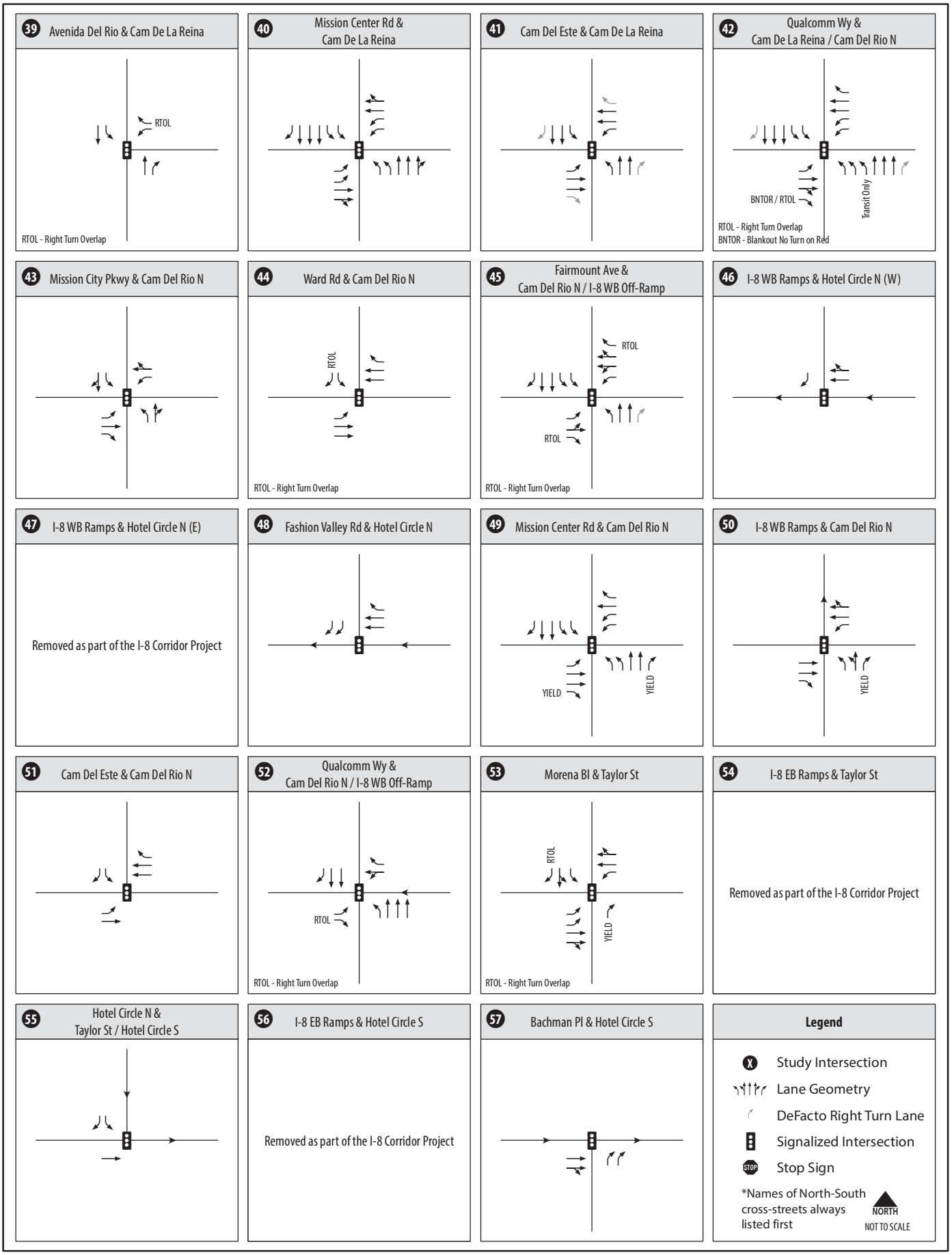
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Figure 5-3
Intersection Geometrics -
Four-Lane Via Las Cumbres Alternative (Intersections 1-19)



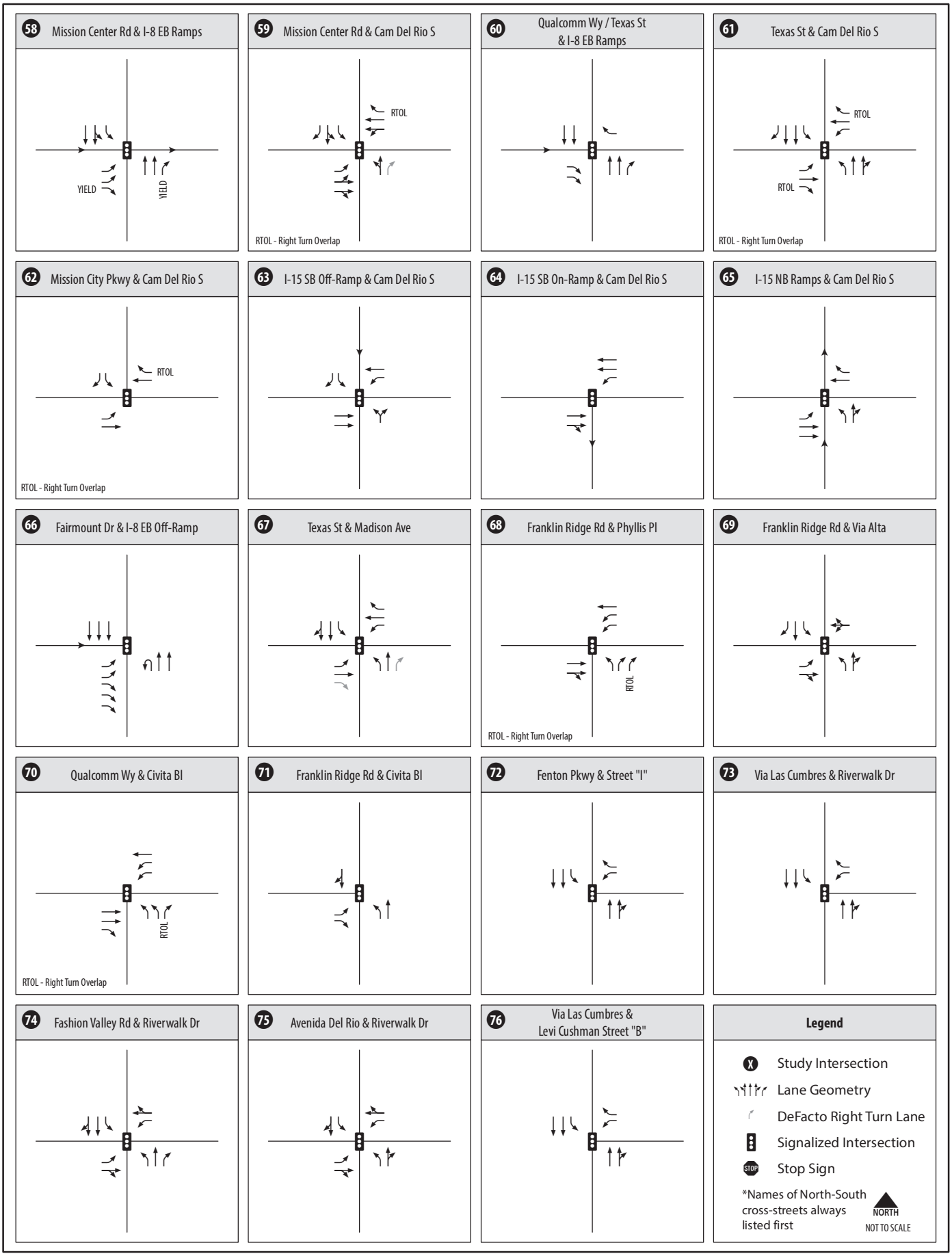
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Figure 5-3
Intersection Geometrics -
Four-Lane Via Las Cumbres Alternative (Intersections 20-38)



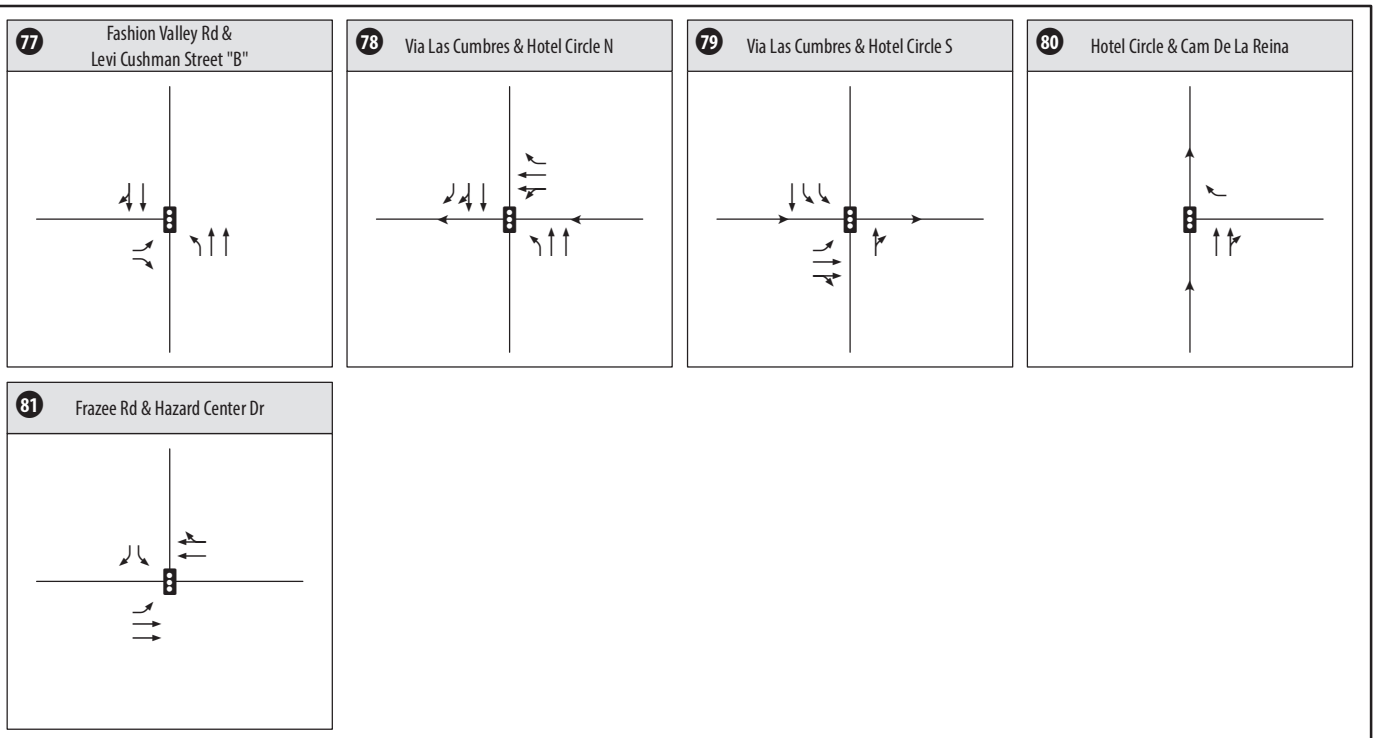
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Figure 5-3
Intersection Geometrics -
Four-Lane Via Las Cumbres Alternative (Intersections 39-57)



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Figure 5-3
Intersection Geometrics -
Four-Lane Via Las Cumbres Alternative (Intersections 58-76)



Legend

- Study Intersection
- Lane Geometry
- DeFacto Right Turn Lane
- Signalized Intersection
- Stop Sign

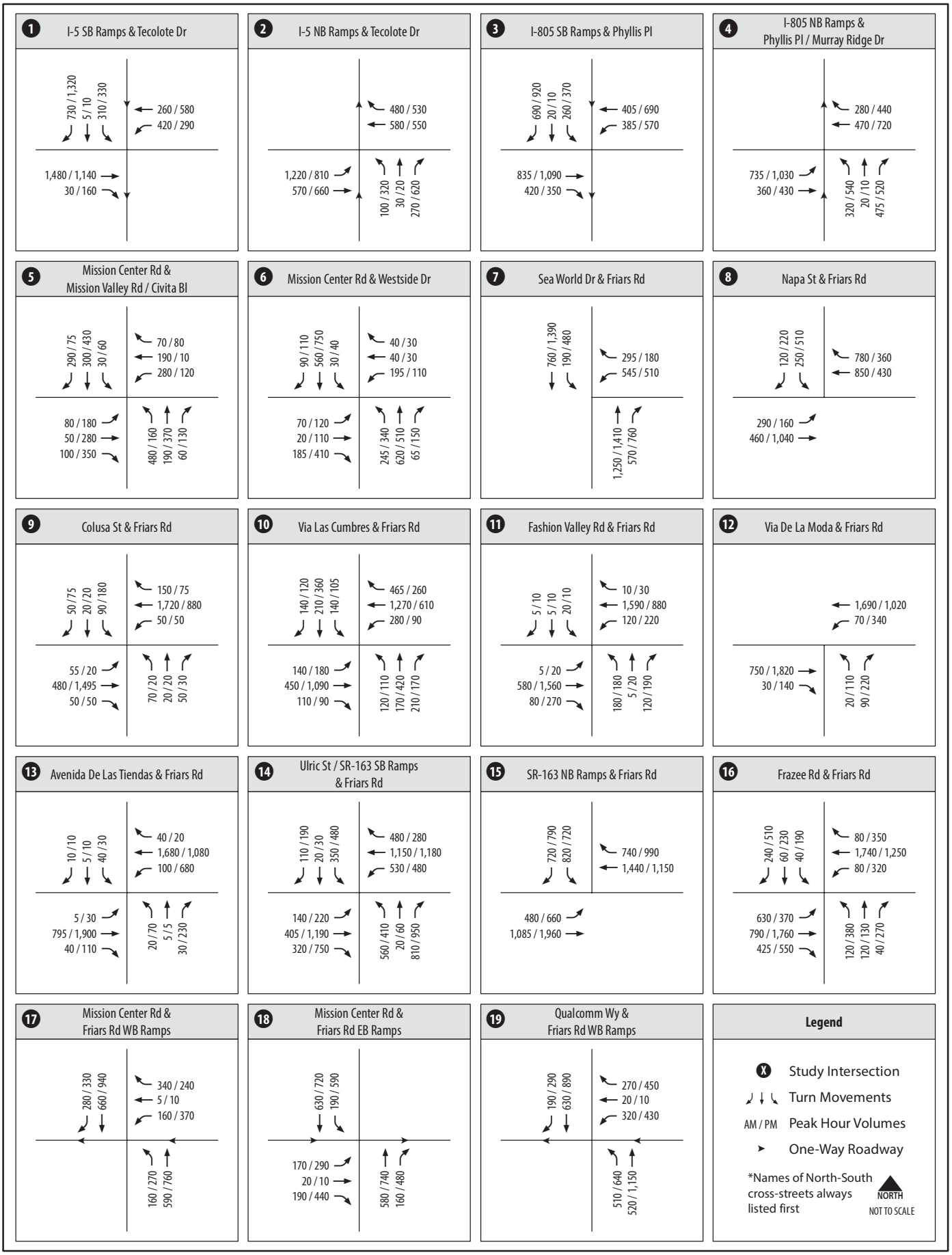
*Names of North-South cross-streets always listed first

NORTH

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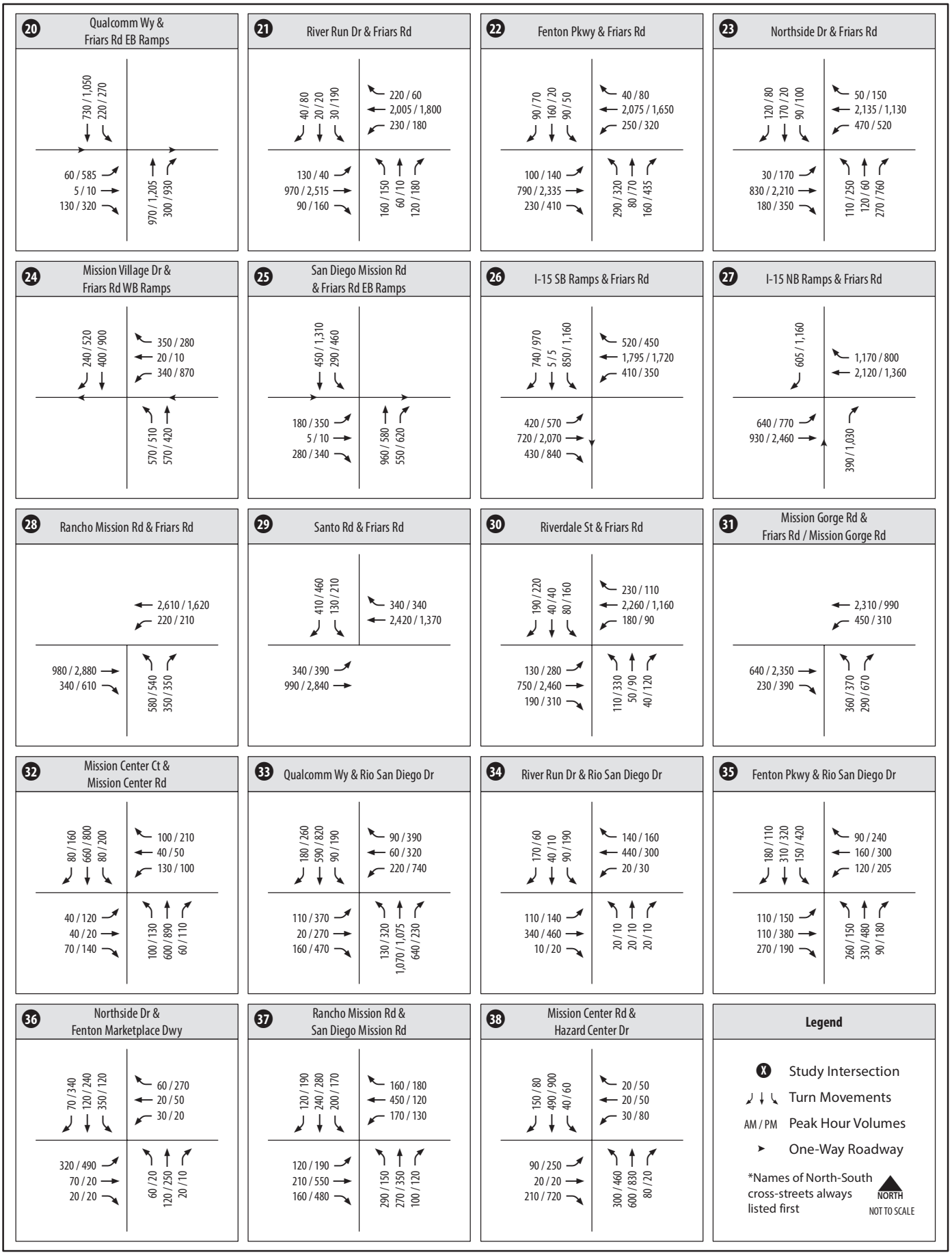
Figure 5-3
Intersection Geometrics -
Four-Lane Via Las Cumbres Alternative (Intersections 77-81)



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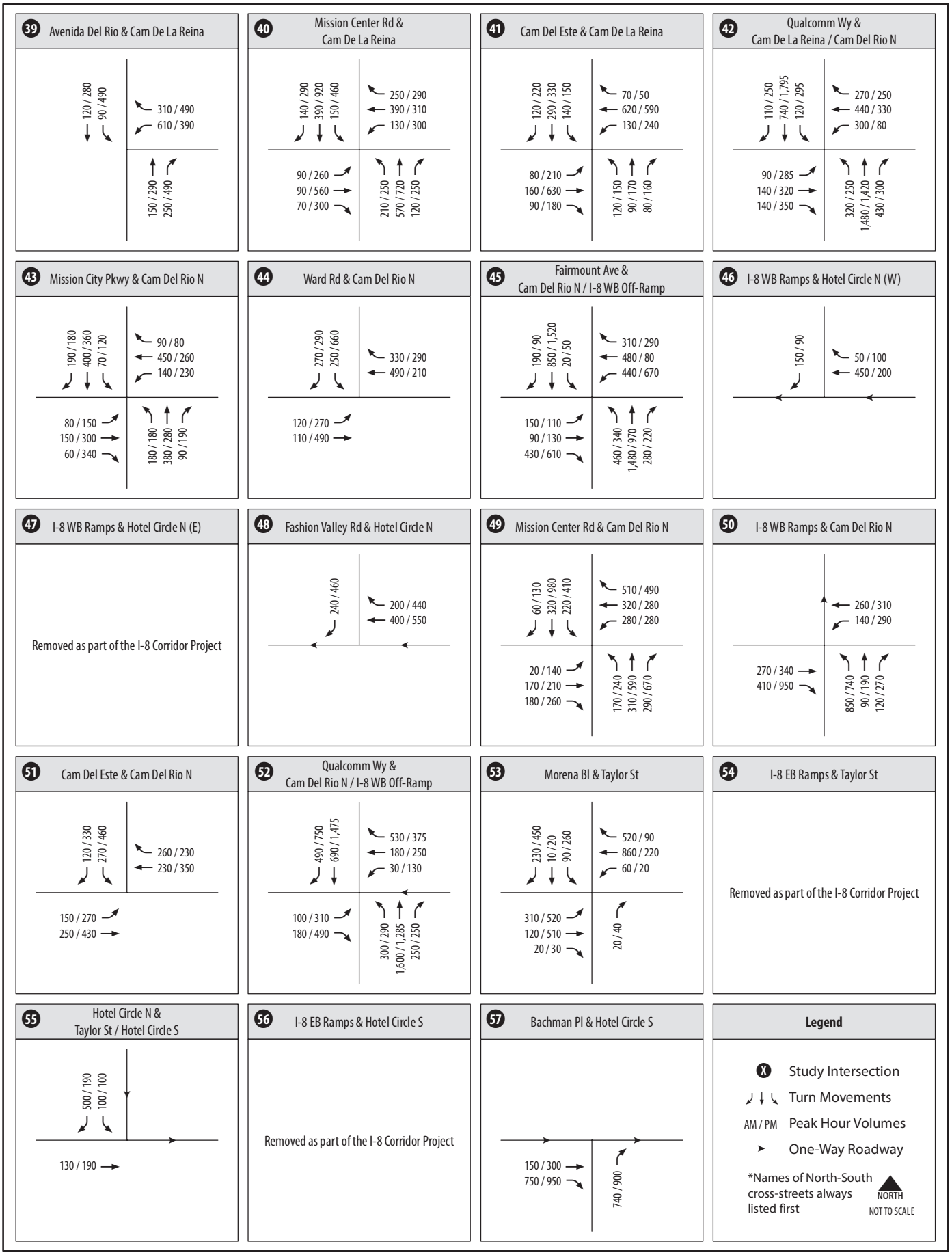
Figure 5-4
AM/PM Peak Hour Intersection Volumes - Four-Lane Via Las Cumbres Alternative (Intersections 1-19)



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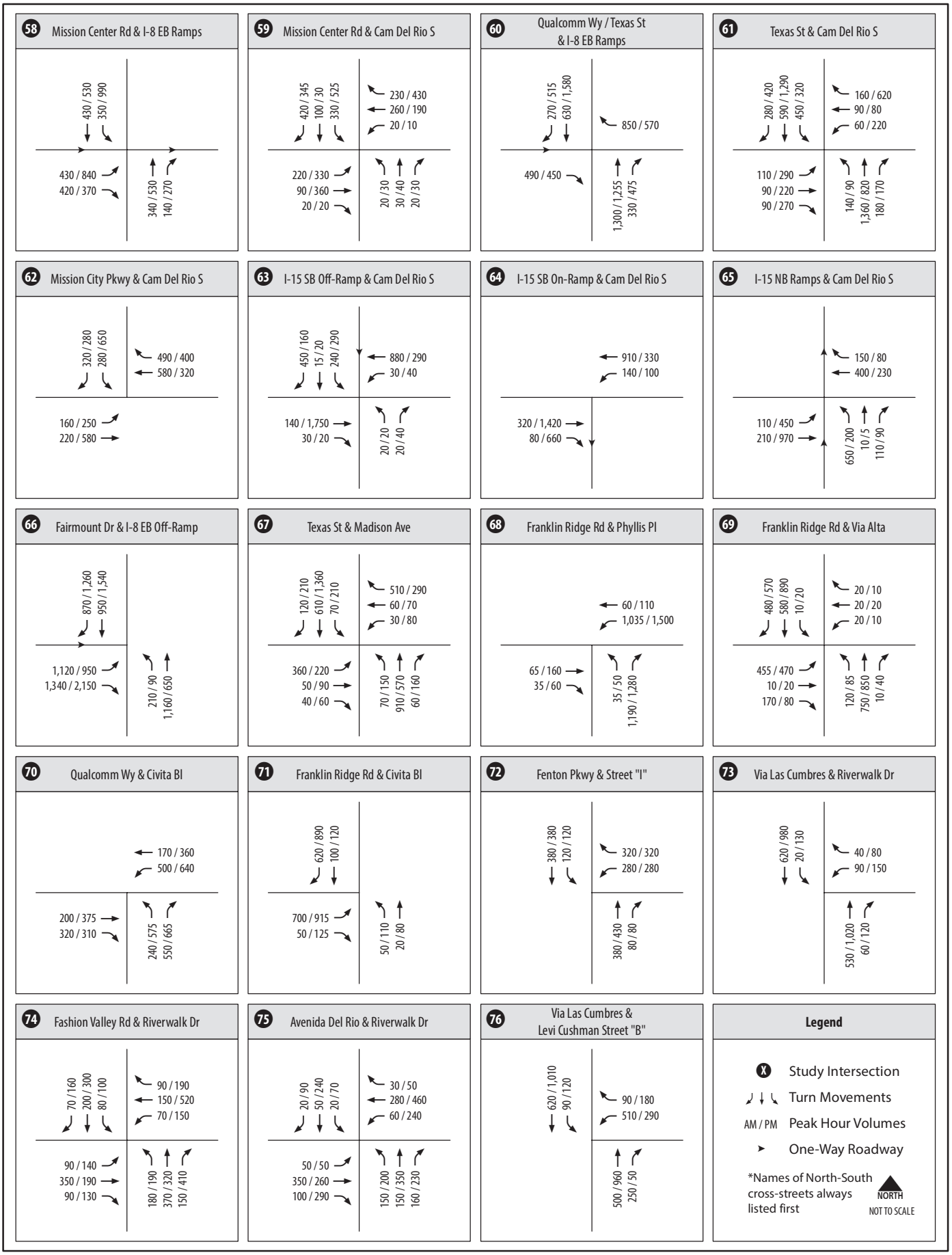
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Figure 5-4
AM/PM Peak Hour Intersection Volumes -
Four-Lane Via Las Cumbres Alternative (Intersections 20-38)



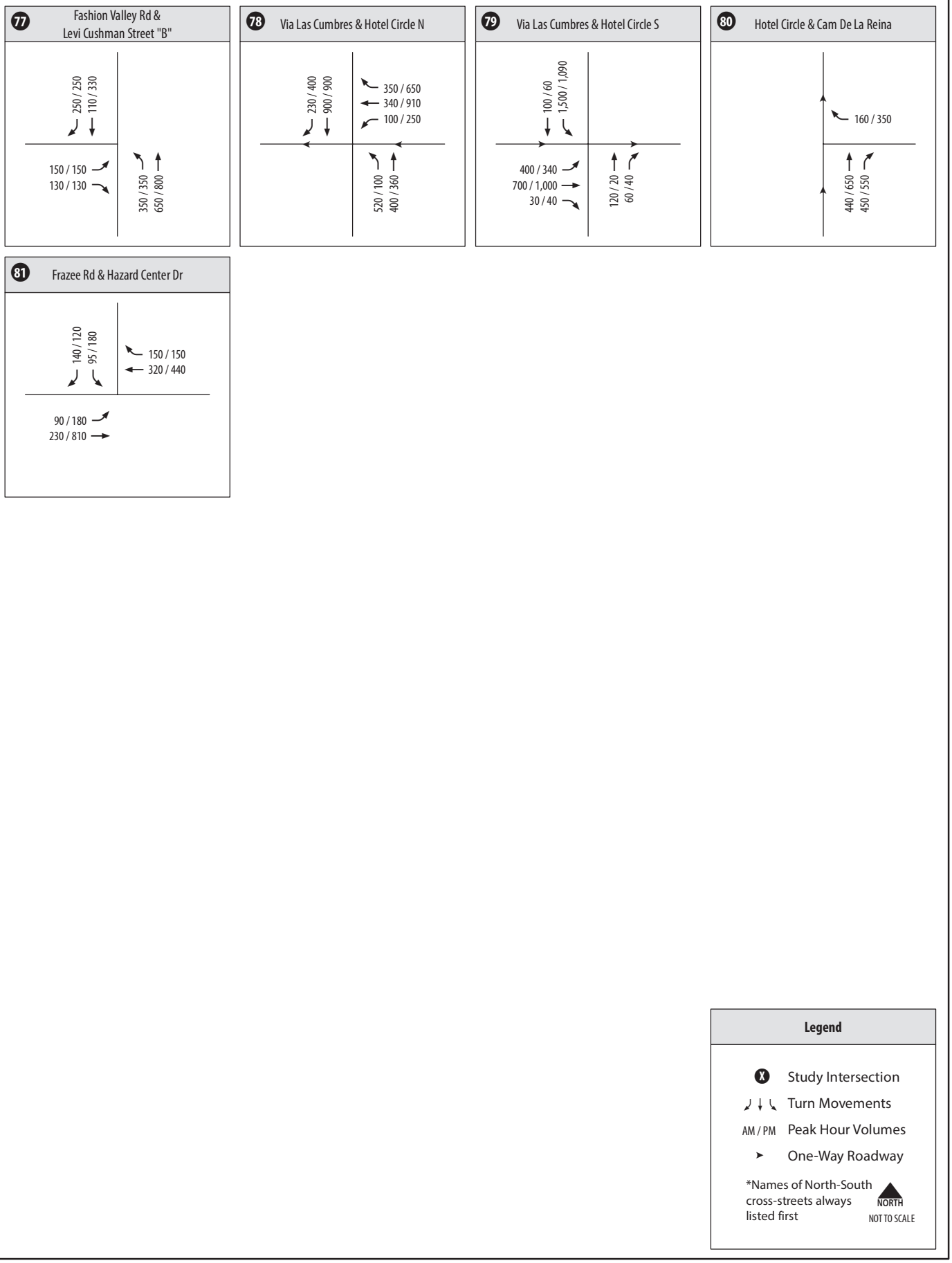
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Figure 5-4
AM/PM Peak Hour Intersection Volumes - Four-Lane Via Las Cumbres Alternative (Intersections 39-57)



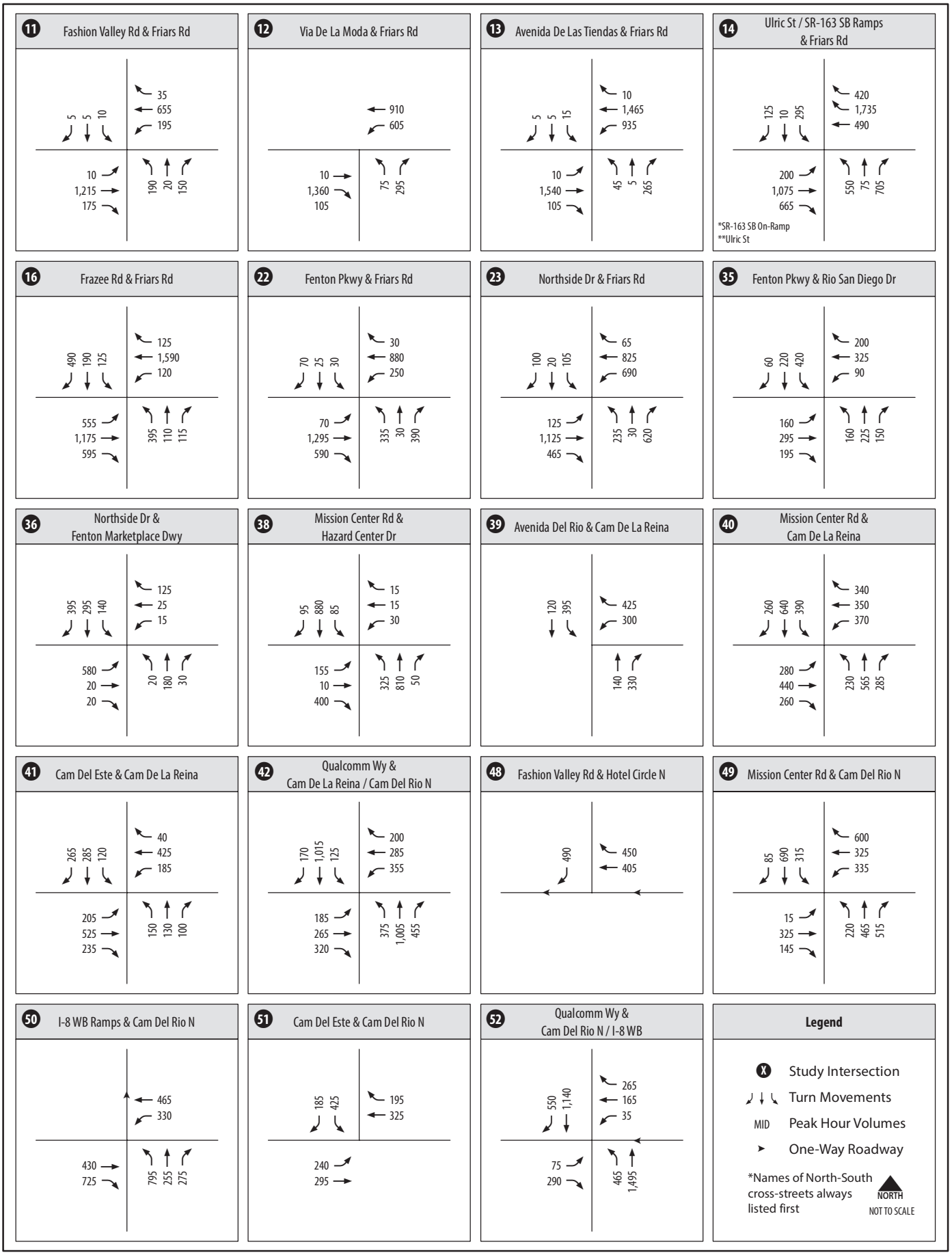
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Figure 5-4
AM/PM Peak Hour Intersection Volumes -
Four-Lane Via Las Cumbres Alternative (Intersections 58-76)



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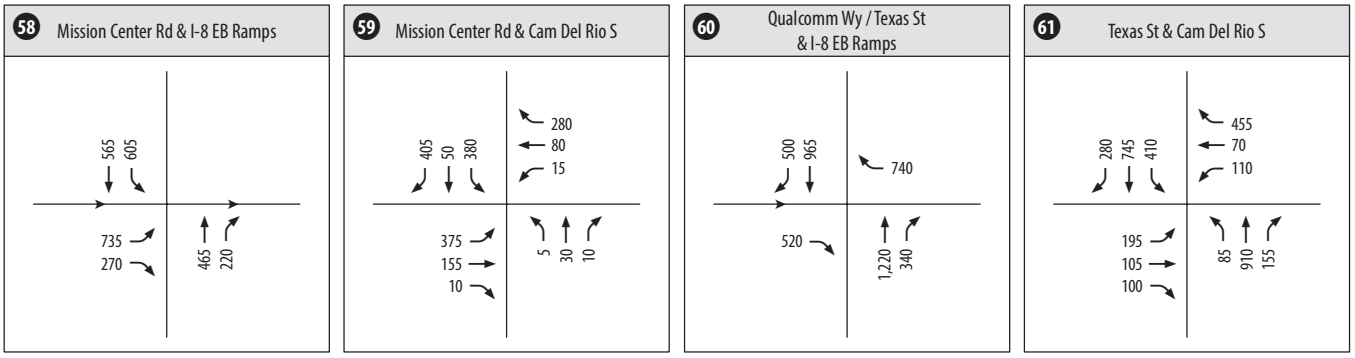
Figure 5-4
AM/PM Peak Hour Intersection Volumes -
Four-Lane Via Las Cumbres Alternative (Intersections 77-81)

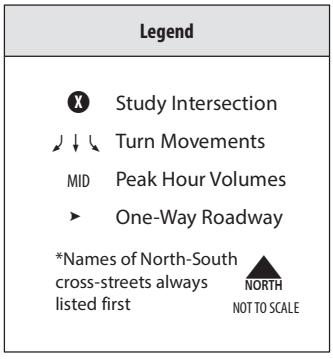


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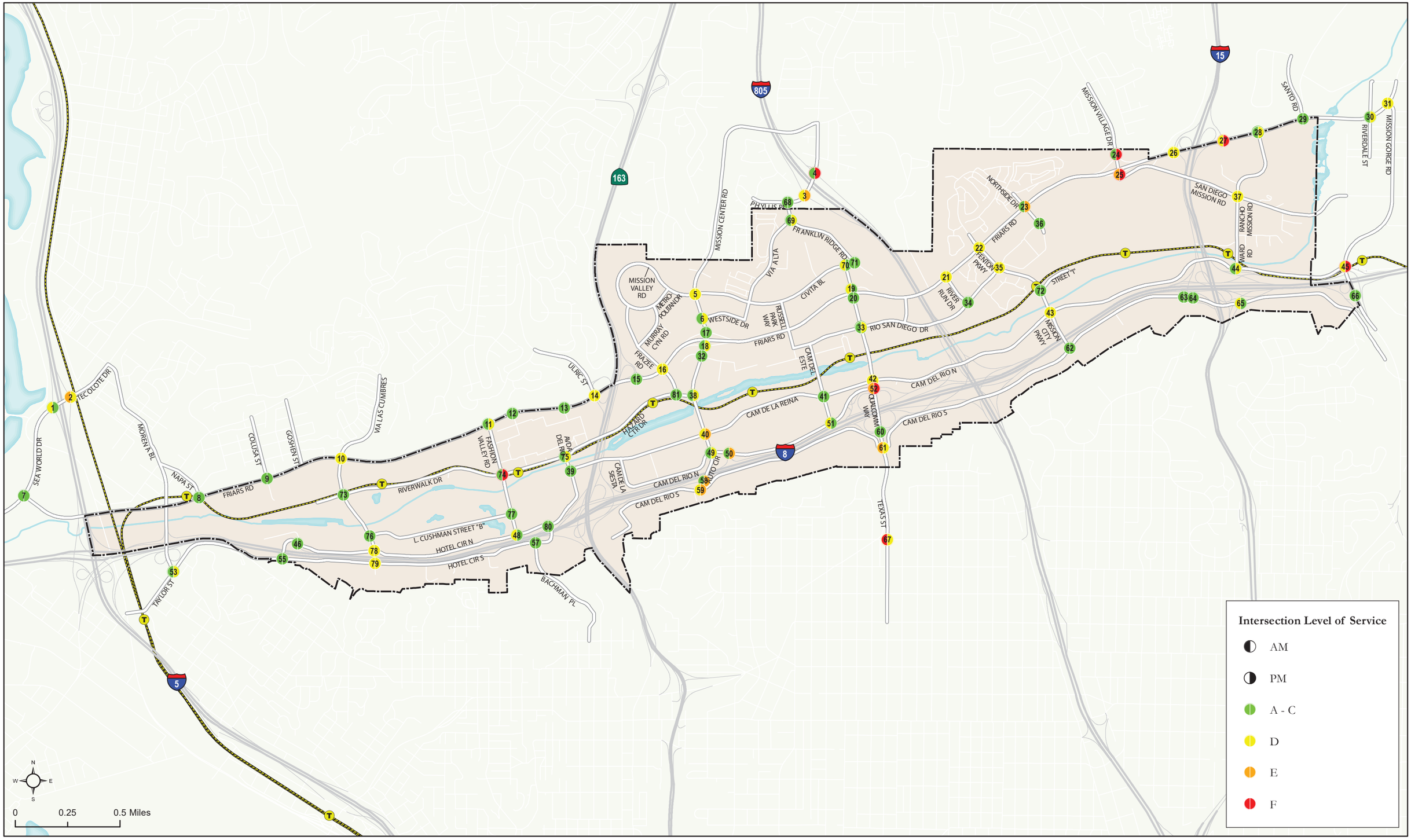
Figure 5-5
Midday Peak Hour Intersection Volumes - Four-Lane Via Las Cumbres Alternative
(Intersections 11-14, 16, 22, 23, 35, 36, 38-42 & 48-52)





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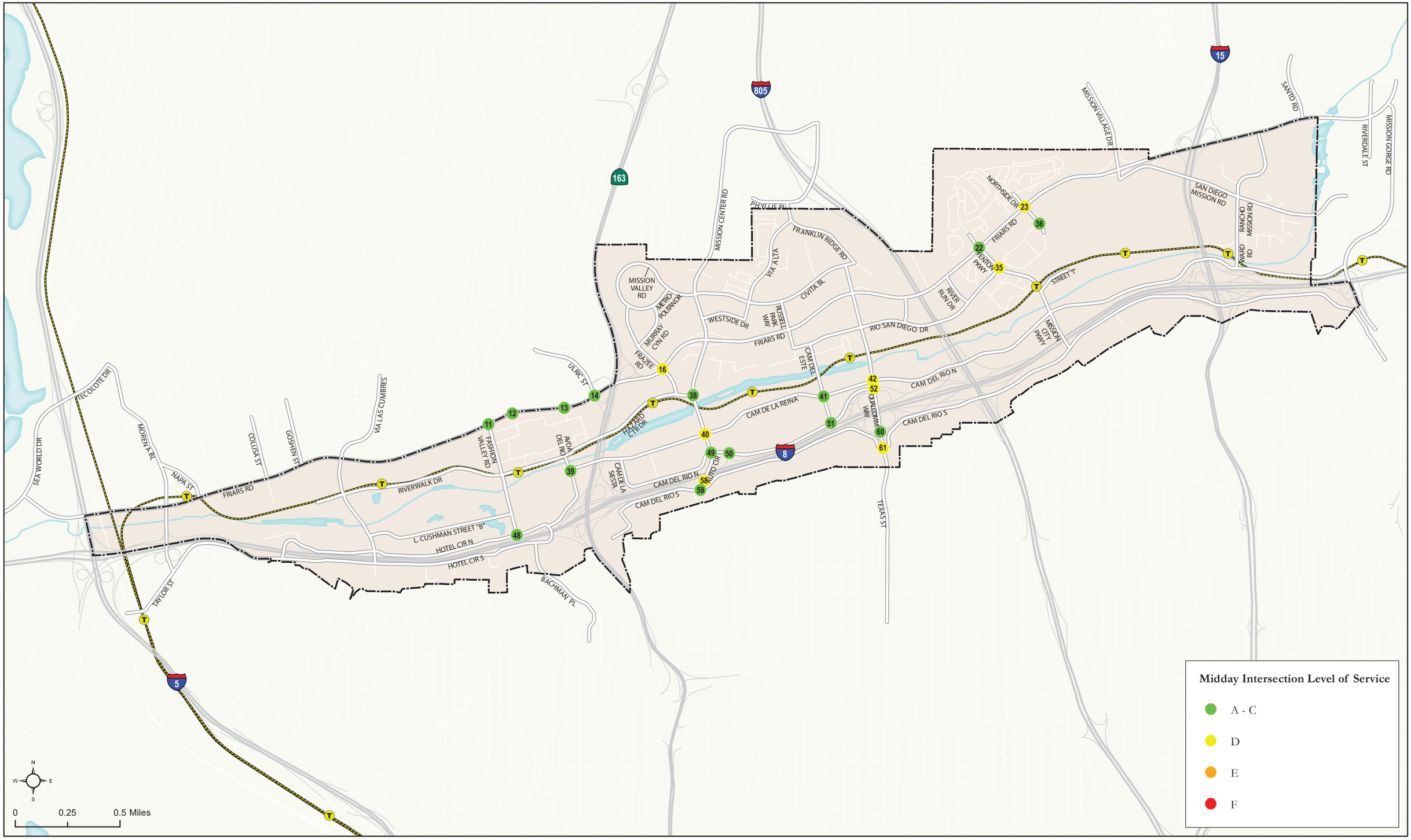
Figure 5-5
Midday Peak Hour Intersection Volumes -
Four-Lane Via Las Cumbres Alternative (Intersections 58-61)



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Figure 5-6
AM/PM Peak Hour Intersection Level of Service - Four-Lane Via Las Cumbres Alternative



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Figure 5-7
Midday Intersection Level of Service - Four-Lane Via Las Cumbres Alternative

Table 5.4 Peak Hour Intersection LOS and Delay Results – Four-Lane Via Las Cumbres Alternative

Intersection	Control	Four-Lane Via Las Cumbres Alternative						Existing			SI?
		AM Peak		PM Peak		Midday Peak		AM / PM / Midday	AM / PM / Midday	AM / PM / Midday	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Δ Avg. Delay (sec.)	
1: I-5 SB Ramps / Sea World Drive	Signal	36.1	D	33.9	C	-	-	33.1 / 27.4 / -	C / C / -	3.0 / 6.5 / -	N
2: I-5 NB Ramps / Sea World Drive/Tecolote Road	Signal	59.6	**E**	46.0	D	-	-	58.6 / 44.3 / -	**E** / D / -	1.0 / 1.7 / -	N
3: I-805 SB Ramps / Phyllis Place	Signal	48.0	D	69.5	**E**	-	-	20.2 / 20.1 / -	C / C / -	27.8 / 49.4 / -	**Y**
4: I-805 NB Ramps / Phyllis Place	Signal	28.7	C	84.4	**F**	-	-	14.7 / 10.0 / -	B / B / -	14.0 / 74.4 / -	**Y**
5: Mission Center Road / Mission Valley Road/Civita Boulevard	Signal	53.2	D	45.1	D	-	-	31.1 / 78.9 / -	C / **E** / -	22.1 / -33.8 / -	N
6: Mission Center Road / Westside Drive	Signal	26.9	C	54.3	D	-	-	20.9 / 15.6 / -	C / B / -	6.0 / 38.7 / -	N
7: Sea World Drive / Friars Road	Signal	17.9	B	23.7	C	-	-	15.9 / 19.9 / -	B / B / -	2.0 / 3.8 / -	N
8: Napa Street / Friars Road	Signal	26.1	C	20.1	C	-	-	12.0 / 7.7 / -	B / A / -	14.1 / 12.4 / -	N
9: Colusa Street / Friars Road	Signal	32.3	C	21.2	C	-	-	15.0 / 16.3 / -	B / B / -	17.3 / 4.9 / -	N
10: Via Las Cumbres / Friars Road	Signal	54.6	D	52.6	D	-	-	16.5 / 20.8 / -	B / C / -	38.1 / 31.8 / -	N
11: Fashion Valley Road / Friars Road	Signal	16.0	B	50.6	D	25.3	C	22.0 / 51.3 / 12.0	C / D / B	-6.0 / -0.7 / 13.3	N
12: Via De La Moda / Friars Road	Signal	5.0	A	15.9	B	33.2	C	2.5 / 6.7 / 10.1	A / A / B	2.5 / 9.2 / 23.1	N
13: Avenida De Las Tiendas / Friars Road	Signal	19.6	B	19.7	B	31.2	C	5.4 / 28.0 / 12.0	A / C / B	14.2 / -8.3 / 19.2	N
14: Ulric Street/SR-163 SB Ramps / Friars Road	Signal	43.8	D	52.0	D	34.2	C	35.0 / 39.9 / 22.4	C / D / C	8.8 / 12.1 / 11.8	N
15: SR-163 NB Ramps / Friars Road	Signal	27.1	C	17.2	B	-	-	11.3 / 12.2 / -	B / B / -	15.8 / 5.0 / -	N
16: Frazee Road / Friars Road	Signal	46.3	D	40.5	D	39.5	D	37.1 / 66.5 / 38.4	D / **E** / D	9.2 / -26.0 / 1.1	N

Table 5.4 Peak Hour Intersection LOS and Delay Results – Four-Lane Via Las Cumbres Alternative

Intersection	Control	Four-Lane Via Las Cumbres Alternative						Existing			SI ?
		AM Peak		PM Peak		Midday Peak		AM / PM / Midday	AM / PM / Midday	AM / PM / Midday	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Δ Avg. Delay (sec.)	
17: Mission Center Road / Friars Road WB Ramps	Signal	20.3	C	33.1	C	-	-	12.4 / 10.9 / -	B / B / -	7.9 / 22.2 / -	N
18: Mission Center Road / Friars Road EB Ramps	Signal	22.7	C	53.8	D	-	-	20.5 / 44.0 / -	C / D / -	2.2 / 9.8 / -	N
19: Qualcomm Way / Friars Road WB Ramps	Signal	46.3	D	31.5	C	-	-	12.4 / 13.1 / -	B / B / -	33.9 / 18.4 / -	N
20: Qualcomm Way / Friars Road EB Ramps	Signal	10.1	B	34.2	C	-	-	7.2 / 8.8 / -	A / A / -	2.9 / 25.4 / -	N
21: River Run Drive / Friars Road	Signal	46.6	D	47.5	D	-	-	18.6 / 21.0 / -	B / C / -	28.0 / 26.5 / -	N
22: Fenton Parkway / Friars Road	Signal	44.4	D	54.3	D	34.1	C	26.3 / 21.2 / 22.8	C / C / C	18.1 / 33.1 / 11.3	N
23: Northside Drive / Friars Road	Signal	31.5	C	56.4	**E**	44.1	D	29.2 / 55.5 / 42.2	C / **E** / D	2.3 / 0.9 / 1.9	N
24: Mission Village Drive / Friars Road WB Ramps	Signal	29.5	C	135.6	**F**	-	-	9.2 / 38.1 / -	A / D / -	20.3 / 97.5 / -	**Y**
25: Mission Village Drive / Friars Road EB Ramps	Signal	70.6	**E**	90.2	**F**	-	-	44.5 / 52.5 / -	D / D / -	26.1 / 37.7 / -	**Y**
26: I-15 SB Ramps / Friars Road	Signal	48.2	D	43.4	D	-	-	38.1 / 57.5 / -	D / **E** / -	10.1 / -14.1 / -	N
27: I-15 NB Ramps / Friars Road	Signal	49.9	D	88.3	**F**	-	-	5.2 / 4.8 / -	A / A / -	44.7 / 83.5 / -	**Y**
28: Rancho Mission Road / Friars Road	Signal	24.6	C	38.8	D	-	-	21.5 / 34.4 / -	C / C / -	3.1 / 4.4 / -	N
29: Santo Road / Friars Road	Signal	23.3	C	26.2	C	-	-	13.0 / 13.0 / -	B / B / -	10.3 / 13.2 / -	N
30: Riverdale Street / Friars Road	Signal	31.4	C	50.4	D	-	-	29.4 / 26.2 / -	C / C / -	2.0 / 24.2 / -	N
31: Mission Gorge Road / Friars Road	Signal	42.2	D	37.1	D	-	-	39.8 / 33.4 / -	D / C / -	2.4 / 3.7 / -	N

Table 5.4 Peak Hour Intersection LOS and Delay Results – Four-Lane Via Las Cumbres Alternative

Intersection	Control	Four-Lane Via Las Cumbres Alternative						Existing			SI ?
		AM Peak		PM Peak		Midday Peak		AM / PM / Midday	AM / PM / Midday	AM / PM / Midday	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Δ Avg. Delay (sec.)	
32: Mission Center Road / Mission Center Court	Signal	29.5	C	33.9	C	-	-	25.3 / 24.8 / -	C / C / -	4.2 / 9.1 / -	N
33: Qualcomm Way / Rio San Diego Drive	Signal	33.8	C	54.0	D	-	-	14.6 / 30.4 / -	B / C / -	19.2 / 23.6 / -	N
34: River Run Drive / Rio San Diego Drive	Roundabout	12.5	B	13.5	B	-	-	9.5 / 10.4 / -	A / B / -	3.0 / 3.1 / -	N
35: Fenton Parkway / Rio San Diego Drive	Signal	36.4	D	49.2	D	41.8	D	16.0 / 35.7 / 32.3	B / D / C	20.4 / 13.5 / 9.5	N
36: Northside Drive / Rio San Diego Drive	Signal	27.5	C	24.1	C	21.7	C	19.0 / 16.2 / 21.2	B / B / C	8.5 / 7.9 / 0.5	N
37: Rancho Mission Road / San Diego Mission Road	Signal	39.6	D	53.3	D	-	-	27.3 / 31.6 / -	C / C / -	12.3 / 21.7 / -	N
38: Mission Center Road / Hazard Center Drive	Signal	21.5	C	41.7	D	34.2	C	12.9 / 33.1 / 17.1	B / C / B	8.6 / 8.6 / 17.1	N
39: Avenida Del Rio / Camino De La Reina	Signal	14.8	B	29.4	C	19.5	B	7.5 / 11.2 / 9.8	A / B / A	7.3 / 18.2 / 9.7	N
40: Mission Center Road / Camino De La Reina	Signal	38.4	D	79.3	**E**	53.2	D	21.9 / 42.2 / 35.6	C / D / D	16.5 / 37.1 / 17.6	**Y**
41: Camino Del Este / Camino De La Reina	Signal	22.2	C	29.5	C	27.5	C	10.7 / 17.6 / 20.5	B / B / C	11.5 / 11.9 / 7.0	N
42: Qualcomm Way / Camino De La Reina	Signal	50.6	D	54.2	D	46.6	D	16.7 / 37.8 / 41.4	B / D / D	33.9 / 16.4 / 5.2	N
43: Mission City Parkway / Camino Del Rio North	Signal	51.9	D	50.8	D	-	-	13.3 / 9.4 / -	B / A / -	38.6 / 41.4 / -	N
44: Ward Road / Camino Del Rio North	Signal	19.2	B	44.6	D	-	-	12.0 / 14.6 / -	B / B / -	7.2 / 30.0 / -	N

Table 5.4 Peak Hour Intersection LOS and Delay Results – Four-Lane Via Las Cumbres Alternative

Intersection	Control	Four-Lane Via Las Cumbres Alternative						Existing			SI ?
		AM Peak		PM Peak		Midday Peak		AM / PM / Midday	AM / PM / Midday	AM / PM / Midday	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Δ Avg. Delay (sec.)	
45: Fairmount Avenue / Camino Del Rio North/I-8 WB Off-Ramp	Signal	51.8	D	85.2	**F**	-	-	51.4 / 72.7 / -	D / **E** / -	0.4 / 12.5 / -	**Y**
46: I-8 WB Ramps / Hotel Circle North (W)	Signal	1.3	A	3.7	A	-	-	6.6 / 6.6 / -	A / A / -	-5.3 / -2.9 / -	N
47: I-8 WB Ramps/Handlery Driveway / Hotel Circle North (E)		*Intersection removed*						36.6 / 41.0 / -	**E** / **E** / -	N/A	N
48: Fashion Valley Road / Hotel Circle North	Signal	35.1	D	27.0	C	20.8	C	10.0 / 16.2 / 11.5	A / B / B	25.1 / 10.8 / 9.3	N
49: Mission Center Road / Camino Del Rio North	Signal	33.7	C	51.6	D	29.9	C	16.3 / 43.1 / 21.0	B / D / C	17.4 / 8.5 / 8.9	N
50: I-8 WB Ramps/Mission Valley Mall Driveway / Camino Del Rio North	Signal	20.0	B	55.9	**E**	33.6	C	19.8 / 53.7 / 38.8	B / D / D	0.2 / 2.2 / -5.2	**Y**
51: Camino Del Este / Camino Del Rio North	Signal	38.7	D	34.1	C	29.6	C	18.5 / 33.8 / 29.1	B / C / C	20.2 / 0.3 / 0.5	N
52: Qualcomm Way / Camino Del Rio N/I-8 WB Ramps	Signal	58.5	**E**	93.9	**F**	45.2	D	12.4 / 17.7 / 15.7	B / B / B	46.1 / 76.2 / 29.5	**Y**
53: Morena Boulevard / Taylor Street	Signal	34.5	C	53.0	D	-	-	29.8 / 18.8 / -	C / B / -	4.7 / 34.2 / -	N
54: I-8 EB Ramps / Taylor Street		*Intersection removed*						20.3 / 39.4 / -	C / D / -	N/A	N
55: Hotel Circle North / Taylor Street/Hotel Circle South	AWSC	2.2	A	2.0	A	-	-	34.2 / 43.1 / -	D / **E** / -	-32.0 / -41.1 / -	N
56: I-8 EB Ramps / Hotel Circle South		*Intersection removed*						23.3 / 53.2 / -	C / **F** / -	N/A	N
57: Bachman Place / Hotel Circle South	Signal	6.7	A	8.7	A	-	-	22.9 / 19.5 / -	C / B / -	-16.2 / -10.8 / -	N
58: Mission Center Road / I-8 EB Ramps	Signal	34.4	C	66.8	**E**	54.4	D	17.5 / 60.5 / 51.1	B / **E** / D	16.9 / 6.3 / 3.3	**Y**

Table 5.4 Peak Hour Intersection LOS and Delay Results – Four-Lane Via Las Cumbres Alternative

Intersection	Control	Four-Lane Via Las Cumbres Alternative						Existing			SI ?
		AM Peak		PM Peak		Midday Peak		AM / PM / Midday	AM / PM / Midday	AM / PM / Midday	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Δ Avg. Delay (sec.)	
59: Mission Center Road / Camino Del Rio South	Signal	35.3	D	74.7	**E**	34.9	C	28.9 / 107.3 / 64.1	C / F / **E**	6.4 / -32.6 / -29.2	N
60: Qualcomm Way/Texas Street / I-8 EB Ramps	Signal	7.5	A	7.8	A	7.1	A	0.9 / 0.8 / 1.0	A / A / A	6.6 / 7.0 / 6.1	N
61: Texas Street / Camino Del Rio South	Signal	68.2	**E**	51.1	D	53.1	D	58.4 / 67.6 / 37.0	**E** / **E** / D	9.8 / -16.5 / 16.1	**Y**
62: Mission City Parkway / Camino Del Rio South	Signal	16.8	B	29.6	C	-	-	8.0 / 18.8 / -	A / B / -	8.8 / 10.8 / -	N
63: I-15 SB Off-Ramp / Camino Del Rio South	Signal	4.9	A	8.1	A	-	-	3.5 / 6.9 / -	A / A / -	1.4 / 1.2 / -	N
64: I-15 SB On-Ramp / Camino Del Rio South	Signal	2.8	A	4.3	A	-	-	1.3 / 3.2 / -	A / A / -	1.5 / 1.1 / -	N
65: I-15 NB Ramps / Camino Del Rio South	Signal	51.0	D	27.6	C	-	-	17.0 / 11.6 / -	B / B / -	34.0 / 16.0 / -	N
66: Mission Gorge Road/Fairmount Avenue / I-8 EB Off-Ramp	Signal	27.2	C	28.1	C	-	-	16.7 / 23.1 / -	B / C / -	10.5 / 5.0 / -	N
67: Texas Street / Madison Avenue	Signal	95.2	**F**	50.2	D	-	-	64.3 / 31.9 / -	**E** / C / -	30.9 / 18.3 / -	**Y**
68: Franklin Ridge Road & Phyllis Place	Signal	11.5	B	16.3	B	-	-	Does Not Exist		11.5 / 16.3 / -	N
69: Franklin Ridge Road & Via Alta	Signal	32.5	C	52.0	D	-	-	Does Not Exist		32.5 / 52.0 / -	N
70: Qualcomm Way & Civita Boulevard	Signal	42.3	D	33.3	C	-	-	Does Not Exist		42.3 / 33.3 / -	N
71: Franklin Ridge Road & Civita Boulevard	Signal	15.7	B	34.8	C	-	-	Does Not Exist		15.7 / 34.8 / -	N
72: Fenton Parkway & Street "I"	Signal	11.0	B	11.2	B	-	-	Does Not Exist		11.0 / 11.2 / -	N
73: Via Las Cumbres & Riverwalk Drive	Signal	9.2	A	16.6	B	-	-	Does Not Exist		9.2 / 16.6 / -	N

Table 5.4 Peak Hour Intersection LOS and Delay Results – Four-Lane Via Las Cumbres Alternative

Intersection	Control	Four-Lane Via Las Cumbres Alternative						Existing			SI ?
		AM Peak		PM Peak		Midday Peak		AM / PM / Midday	AM / PM / Midday	AM / PM / Midday	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Δ Avg. Delay (sec.)	
74: Fashion Valley Road & Riverwalk Drive	Signal	34.3	C	95.0	**F**	-	-	Does Not Exist		34.3 / 95.0 / -	**Y**
75: Avenida Del Rio & Hazard Center Drive & Fashion Valley Mall	Signal	21.8	C	52.5	D	-	-	Does Not Exist		21.8 / 52.5 / -	N
76: Via Las Cumbres & Levi Cushman Street "B"	Signal	16.3	B	5.9	A	-	-	Does Not Exist		16.3 / 5.9 / -	N
77: Fashion Valley Road & Levi Cushman Street "B"	Signal	23.3	C	24.5	C	-	-	Does Not Exist		23.3 / 24.5 / -	N
78: Via Las Cumbres & Hotel Circle North	Signal	44.0	D	46.9	D	-	-	Does Not Exist		44.0 / 46.9 / -	N
79: Via Las Cumbres & Hotel Circle South	Signal	49.9	D	49.4	D	-	-	Does Not Exist		49.9 / 49.4 / -	N
80: Hotel Circle South & Camino De La Reina	Signal	3.3	A	3.4	A	-	-	Does Not Exist		3.3 / 3.4 / -	N
81: Hazard Center Drive & Frazee Road	Signal	8.5	A	15.2	B	-	-	Does Not Exist		8.5 / 15.2 / -	N

Notes:
Bold letter indicates substandard LOS E or F.
SI = Significant Impact.

As shown in Table 5.4, the following 16 intersections were found to operate at a substandard LOS E or F during the AM or PM peak hour through implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative conditions. Based on the significant impact criteria outlined in Section 2.3 implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative would result in a significant impact at the 13 intersections shown in **bold**:

- 2: I-5 NB Ramps / Sea World Drive/Tecolote Road (AM LOS E, Δ in Delay 1.0) – not impacted
- **3: I-805 SB Ramps / Phyllis Place (PM LOS E, Δ in Delay 49.4)**
- **4: I-805 NB Ramps / Phyllis Place (PM LOS F, Δ in Delay 74.4)**
- 23: Northside Drive / Friars Road (PM LOS E, Δ in Delay 0.9) – not impacted
- **24: Mission Village Drive / Friars Road WB Ramps (PM LOS F, Δ in Delay 97.5)**
- **25: Mission Village Drive / Friars Road EB Ramps (AM LOS E, Δ in Delay 26.1; PM LOS F, Δ in Delay 37.7)**
- **27: I-15 NB Ramps / Friars Road (PM LOS F, Δ in Delay 83.5)**
- **40: Mission Center Road / Camino De La Reina (PM LOS E, Δ in Delay 37.1)**
- **45: Fairmount Avenue / Camino Del Rio North/I-8 WB Off-Ramp (PM LOS F, Δ in Delay 12.5)**
- **50: I-8 WB Ramps/Mission Valley Mall Driveway / Camino Del Rio North (PM LOS E, Δ in Delay 2.2)**
- **52: Qualcomm Way / Camino Del Rio N/I-8 WB Ramps (AM LOS E, Δ in Delay 46.1; PM LOS F, Δ in Delay 76.2)**
- **58: Mission Center Road / I-8 EB Ramps (PM LOS E, Δ in Delay 6.3)**
- 59: Mission Center Road / Camino Del Rio South (PM LOS E, Δ in Delay -32.6) – not impacted
- **61: Texas Street / Camino Del Rio South (AM LOS E, Δ in Delay 9.8)**
- **67: Texas Street / Madison Avenue (AM LOS F, Δ in Delay 30.9)**
- **74: Fashion Valley Road & Riverwalk Drive (PM LOS F, Δ in Delay 95.0)**

5.3 Freeway Segment Analysis

Freeway Improvements

Freeway improvements within the Mission Valley study area are identified within this chapter. The improvements were derived from the Revenue Constrained scenario of SANDAG's *San Diego Forward: The Regional Plan* (2015), the currently adopted regional transportation plan, and are anticipated to be implemented by 2050.

SR-163/Friars Road Interchange

Phase I of this improvement will widen and improve Friars Road and the overcrossing from Avenida de las Tiendas to Mission Center Road, and reconstruct the interchange to include improvements to ramp intersections. Phase II will consist of the construction of new connector roadways and structures. Phase III will consist of the construction of auxiliary lanes along northbound and southbound SR-163. Phase I is anticipated to be implemented by 2020.

I-15, from I-8 to SR-163

Two managed lanes will be added to this segment of I-15, one in each direction. This segment will consist of eight freeway lanes and two managed lanes. This improvement is anticipated to be implemented by 2035.

I-5, from I-8 to La Jolla Village Drive
Two managed lanes will be added to this segment of I-5, one in each direction. This segment will consist of eight/ten freeway lanes and two managed lanes. This improvement is anticipated to be implemented by 2050.

I-5, from I-15 to I-8
Unspecified operational improvements are anticipated to be implemented along this segment of I-5 by 2050.

I-8, from I-5 to SR-125
Unspecified operational improvements are anticipated to be implemented along this segment of I-8 by 2050.

I-805, from SR-15 to SR-163
Four managed lanes will be added to this segment of I-805, two in each direction. This segment will consist of eight/ten freeway lanes and four managed lanes. This improvement is anticipated to be implemented by 2050.

Forecast freeway volumes were obtained from the Model. Tables 5.5a and 5.5b present the Four-Lane Via Las Cumbres Alternative and existing freeway segment LOS results for study segments during the AM and PM peak periods, respectively. These two tables also identify any potential traffic impacts associated with the Four-Lane Via Las Cumbres Alternative when comparing to the existing conditions. HCS freeway segment analysis worksheets are provided in Appendix J.

Table 5.5a Freeway Segment Level of Service Results – Four-Lane Via Las Cumbres Alternative AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	44.4%	7.8%	1.0%	74,000	2,644	69.5	20.1	C	70.0	A	-0.5	N
		WB	2M	55.6%	7.2%	1.0%		2,894	68.7	22.3	C	70.0	A	-1.3	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	44.2%	7.7%	1.2%	115,000	4,196	39.1	21.4	C	70.0	B	-30.9	N
		WB	3M+1A	55.8%	7.1%	1.2%		4,444	68.4	22.9	C	69.6	C	-1.2	N
	I-5 Interchange to Morena Boulevard	EB	3M	31.7%	7.8%	2.8%	178,000	6,141	58.7	37.3	**E**	70.0	B	-11.3	**Y**
		WB	4M	68.3%	6.8%	2.8%		7,114	64.3	29.5	D	69.6	C	-5.3	N
	Morena Boulevard to Taylor Street	EB	4M+1A	31.7%	7.8%	2.8%	231,000	7,965	60.0	35.4	**E**	70.0	B	-10.0	**Y**
		WB	5M	68.3%	6.8%	2.8%		9,228	63.1	31.3	D	68.2	C	-5.1	N
	Taylor Street to Hotel Circle	EB	4M	31.7%	7.8%	2.8%	205,000	7,078	64.5	29.3	D	70.0	B	-5.5	N
		WB	4M+1A	68.3%	6.8%	2.8%		8,199	58.6	37.4	**E**	61.3	D	-2.7	**Y**
	Hotel Circle to SR-163 Interchange	EB	4M+2A	31.7%	7.8%	2.8%	222,000	7,654	64.2	25.5	C	65.0	B	-0.8	N
		WB	5M	68.3%	6.8%	2.8%		8,866	61.5	30.8	D	63.4	D	-1.9	N
	SR-163 Interchange to Mission Center Road	EB	4M	31.7%	7.8%	3.2%	192,000	6,617	66.3	26.7	D	70.0	B	-3.7	N
		WB	3M+2A	68.3%	6.8%	3.2%		7,665	59.1	34.7	D	55.0	**E**	4.1	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	31.7%	7.8%	3.2%	249,000	8,568	53.8	42.6	**E**	65.0	C	-11.2	**Y**
		WB	4M+1A	68.3%	6.8%	3.2%		9,926	42.8	61.9	**F**	50.9	**F**	-8.1	**Y**
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	43.0%	7.8%	3.2%	177,000	6,082	64.3	25.3	C	62.4	D	1.9	N
		WB	4M+1A	57.0%	6.8%	3.2%		7,046	61.7	30.5	D	57.6	**E**	4.1	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	31.7%	7.8%	3.0%	258,000	8,871	64.4	29.4	D	70.0	B	-5.6	N
		WB	4M+2A	68.3%	6.8%	3.0%		10,276	58.5	37.5	**E**	61.5	D	-3.0	**Y**
	I-15 Interchange to Fairmount Ave	EB	4M	32.0%	7.7%	3.5%	228,000	7,411	62.8	31.7	D	69.9	C	-7.1	N
		WB	4M+2A	68.0%	7.4%	3.5%		9,424	62.1	32.6	D	64.3	D	-2.2	N
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	54.0%	7.6%	3.4%	243,000	10,478	62.5	32.1	D	64.4	D	-1.9	N
		SB	4M+2A	46.0%	7.1%	3.4%		7,810	69.0	21.7	C	52.5	**F**	16.5	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	54.0%	7.6%	4.1%	245,000	10,564	39.0	72.8	**F**	54.6	**E**	-15.6	**Y**
		SB	5M	46.0%	7.1%	4.1%		7,874	67.2	25.2	C	52.8	**F**	14.4	N
SR-163	Genesee Avenue to Friars Road	NB	5M	57.0%	8.8%	3.7%	213,000	10,924	54.8	42.8	**E**	63.1	D	-8.3	**Y**
		SB	4M	43.0%	8.4%	3.7%		7,316	63.2	31.1	D	67.6	C	-4.4	N

Table 5.5a Freeway Segment Level of Service Results – Four-Lane Via Las Cumbres Alternative AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	45.1%	7.9%	3.7%	180,000	7,098	49.2	51.7	**F**	65.3	D	-16.1	**Y**
		SB	4M+2A	54.9%	7.8%	3.7%		7,359	68.3	23.1	C	69.8	C	-1.5	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	45.1%	7.9%	3.0%	192,000	7,554	44.2	60.8	**F**	63.7	D	-19.5	**Y**
		SB	3M+2A	54.9%	7.8%	3.0%		7,830	60.8	34.4	D	66.3	D	-5.5	N
	6th Avenue to Washington Street	NB	3M	45.1%	7.9%	3.0%	159,000	6,277	57.6	38.8	**E**	68.5	C	-10.9	**Y**
		SB	2M+1A	54.9%	7.8%	3.0%		6,507	9.9	350.8	**F**	39.1	**F**	-29.2	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	69.9%	7.6%	6.5%	266,000	14,917	33.2	89.9	**F**	53.2	**F**	-20.0	**Y**
		SB	5M	30.1%	8.1%	6.5%		6,411	69.9	18.3	C	70.0	B	-0.1	N
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	74.6%	5.9%	6.5%	257,000	11,575	56.6	40.2	**E**	63.1	D	-6.5	**Y**
		SB	4M+2A	25.4%	8.4%	6.5%		5,255	70.0	14.8	B	70.0	B	0.0	N
	I-8 Interchange to Adams Avenue	NB	4M+1A	74.6%	5.9%	6.5%	254,000	11,418	40.3	69.4	**F**	50.0	**F**	-9.7	**Y**
		SB	6M	25.4%	8.4%	6.5%		5,184	70.0	12.1	B	70.0	A	0.0	N
	Adams Avenue to El Cajon Boulevard	NB	4M	74.6%	5.9%	6.5%	225,000	10,128	51.9	47.1	**F**	56.8	**E**	-4.9	**Y**
		SB	5M+1A	25.4%	8.4%	6.5%		4,598	70.0	12.7	B	70.0	B	0.0	N
I-15	Aero Drive to Friars Road	NB	4M+1A+2 ML	60.5%	7.7%	5.0%	258,000	12,374	26.1	120.7	**F**	42.3	**F**	-16.2	**Y**
		SB	5M+1A+2 ML	39.5%	7.5%	5.0%		8,086	67.7	24.3	C	69.4	C	-1.7	N
	Friars Road to I-8	NB	4M+2A+2 ML	51.5%	8.2%	2.2%	273,000	10,520	60.3	35.1	**E**	64.5	D	-4.2	**Y**
		SB	3M+3A+2 ML	48.5%	8.2%	2.2%		11,157	54.9	40.9	**E**	63.0	D	-8.1	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	228,000	8,786	55.1	42.4	**E**	63.0	D	-7.9	**Y**
		SB	5M	48.5%	8.2%	2.2%		9,318	62.9	31.5	D	69.0	C	-6.1	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	218,000	8,374	57.8	38.5	**E**	64.2	D	-6.4	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		8,881	64.5	29.3	D	69.3	C	-4.8	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] HVF = Heavy Vehicle Factor.

Table 5.5b Freeway Segment Level of Service Results – Four-Lane Via Las Cumbres Alternative PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	55.6%	7.8%	1.0%	74,000	3,307	66.5	26.3	D	70.0	A	-3.5	N
		WB	2M	44.4%	7.2%	1.0%		2,314	70.0	17.5	C	70.0	A	0.0	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	54.8%	7.7%	1.2%	115,000	5,079	65.9	27.2	D	68.3	C	-2.4	N
		WB	3M+1A	45.2%	7.1%	1.2%		3,671	69.9	18.5	C	70.0	B	-0.1	N
	I-5 Interchange to Morena Boulevard	EB	3M	57.0%	7.8%	2.8%	178,000	8,130	36.7	78.9	**F**	60.0	**E**	-23.3	**Y**
		WB	4M	43.0%	6.8%	2.8%		5,373	69.4	20.7	C	70.0	B	-0.6	N
	Morena Boulevard to Taylor Street	EB	4M+1A	57.0%	7.8%	2.8%	231,000	10,546	39.7	71.0	**F**	56.5	**F**	-16.8	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,970	69.0	21.6	C	70.0	B	-1.0	N
	Taylor Street to Hotel Circle	EB	4M	57.0%	7.8%	2.8%	205,000	9,371	50.3	49.8	**F**	54.3	**E**	-4.0	**Y**
		WB	4M+1A	43.0%	6.8%	2.8%		6,193	67.6	24.5	C	68.5	C	-0.9	N
	Hotel Circle to SR-163 Interchange	EB	4M+2A	57.0%	7.8%	2.8%	222,000	10,133	56.7	38.2	**E**	60.1	D	-3.4	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,697	65.0	22.0	C	65.0	C	0.0	N
	SR-163 Interchange to Mission Center Road	EB	4M	57.0%	7.8%	3.2%	192,000	8,760	54.9	42.6	**E**	48.6	**F**	6.3	N
		WB	3M+2A	43.0%	6.8%	3.2%		5,789	64.7	23.9	C	63.8	D	0.9	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	57.0%	7.8%	3.2%	249,000	11,344	27.3	110.9	**F**	39.5	**F**	-12.2	**Y**
		WB	4M+1A	43.0%	6.8%	3.2%		7,497	59.9	33.4	D	62.2	D	-2.3	N
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	57.0%	7.8%	3.2%	177,000	8,053	57.0	37.7	**E**	50.1	**F**	6.9	N
		WB	4M+1A	43.0%	6.8%	3.2%		5,322	65.0	21.9	C	64.4	C	0.6	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	57.0%	7.8%	3.0%	258,000	11,744	50.1	50.1	**F**	54.7	**E**	-4.6	**Y**
		WB	4M+2A	43.0%	6.8%	3.0%		7,762	67.6	24.6	C	68.6	C	-1.0	N
	I-15 Interchange to Fairmount Ave	EB	4M	59.2%	7.7%	3.5%	228,000	10,771	36.8	78.5	**F**	43.5	**F**	-6.7	**Y**
		WB	4M+2A	40.8%	7.4%	3.5%		6,484	69.6	20.0	C	69.9	C	-0.3	N
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	40.5%	7.6%	3.4%	243,000	7,991	67.0	25.5	C	69.9	C	-2.9	N
		SB	4M+2A	59.5%	7.1%	3.4%		8,208	66.4	26.4	D	67.7	C	-1.3	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	40.5%	7.6%	4.1%	245,000	8,999	52.8	45.7	**F**	68.1	C	-15.3	**Y**
		SB	5M	59.5%	7.1%	4.1%		9,243	62.9	31.6	D	67.7	C	-4.8	N
SR-163	Genesee Avenue to Friars Road	NB	5M	48.4%	8.8%	3.7%	213,000	8,231	66.3	26.7	D	65.1	D	1.2	N
		SB	4M	51.6%	8.4%	3.7%		9,710	47.1	55.4	**F**	58.6	**E**	-11.5	**Y**

Table 5.5b Freeway Segment Level of Service Results – Four-Lane Via Las Cumbres Alternative PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	50.9%	7.9%	3.7%	180,000	7,359	46.1	57.1	**F**	57.6	**E**	-11.5	**Y**
		SB	4M+2A	49.1%	7.8%	3.7%		7,098	68.8	22.2	C	69.9	C	-1.1	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	50.9%	7.9%	3.0%	192,000	7,830	40.7	68.5	**F**	54.6	**E**	-13.9	**Y**
		SB	3M+2A	49.1%	7.8%	3.0%		7,554	62.2	32.4	D	67.1	C	-4.9	N
	6th Avenue to Washington Street	NB	3M	50.9%	7.9%	3.0%	159,000	6,507	55.5	41.7	**E**	64.5	D	-9.0	**Y**
		SB	2M+1A	49.1%	7.8%	3.0%		6,277	16.2	206.6	**F**	42.7	**F**	-26.5	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	35.5%	7.6%	6.5%	266,000	5,882	69.9	18.3	C	69.8	C	0.1	N
		SB	5M	64.5%	8.1%	6.5%		13,686	33.2	89.9	**F**	53.2	**F**	-20.0	**Y**
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	37.3%	5.9%	6.5%	257,000	3,555	70.0	11.1	B	70.0	B	0.0	N
		SB	4M+2A	62.7%	8.4%	6.5%		13,921	31.0	97.8	**F**	46.3	**F**	-15.3	**Y**
	I-8 Interchange to Adams Avenue	NB	4M+1A	25.4%	5.9%	6.5%	254,000	3,499	70.0	13.6	B	70.0	B	0.0	N
		SB	6M	74.6%	8.4%	6.5%		13,703	50.8	49.0	**F**	57.6	**E**	-6.8	**Y**
	Adams Avenue to El Cajon Boulevard	NB	4M	37.3%	5.9%	6.5%	225,000	3,060	70.0	11.9	B	69.7	C	0.3	N
		SB	5M+1A	62.7%	8.4%	6.5%		11,983	46.9	55.7	**F**	52.8	**F**	-5.9	**Y**
I-15	Aero Drive to Friars Road	NB	4M+1A+2 ML	39.2%	7.7%	5.0%	258,000	7,622	61.5	33.4	D	66.2	D	-4.7	N
		SB	5M+1A+2 ML	60.8%	7.5%	5.0%		11,665	49.9	50.5	**F**	58.5	**E**	-8.6	**Y**
	Friars Road to I-8	NB	4M+2A+2 ML	51.5%	8.2%	2.2%	273,000	10,554	57.4	39.1	**E**	66.1	D	-8.7	**Y**
		SB	3M+3A+2 ML	48.5%	8.2%	2.2%		9,951	57.7	36.7	**E**	63.9	D	-6.2	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	228,000	9,318	51.1	48.5	**F**	64.9	D	-13.8	**Y**
		SB	5M	48.5%	8.2%	2.2%		8,786	64.8	28.8	D	69.5	C	-4.7	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	218,000	8,881	54.4	43.4	**E**	65.8	D	-11.4	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		8,374	66.1	27.0	D	69.7	C	-3.6	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] Heavy Vehicle Factor.

As shown in Tables 5.5a and 5.5b, the following 33 directional mainline freeway segments are projected to operate at LOS E or F under Four-Lane Via Las Cumbres Alternative conditions. Based on the significant impact criteria outlined in Chapter 2, implementation of the Four-Lane Via Las Cumbres Alternative would result in a significant impact on 31 of those directional segments presented in **bold**:

1. **I-8 EB, I-5 Interchange to Morena Boulevard (AM LOS E, Δ in Speed -11.3; PM LOS F, Δ in Speed -23.3)**
2. **I-8 EB, Morena Boulevard to Taylor Street (AM LOS E, Δ in Speed -10.0; PM LOS F, Δ in Speed -16.8)**
3. **I-8 EB, Taylor Street to Hotel Circle (PM LOS F, Δ in Speed -4.0)**
4. **I-8 WB, Taylor Street to Hotel Circle (AM LOS E, Δ in Speed -2.7)**
5. **I-8 EB, Hotel Circle to SR-163 Interchange (PM LOS E, Δ in Speed -3.4)**
6. I-8 EB, SR-163 Interchange to Mission Center Road (PM LOS E, Δ in Speed 6.3) – not impacted
7. **I-8 EB, Mission Center Road to Qualcomm Way / Texas Street (AM LOS E, Δ in Speed -11.2; PM LOS F, Δ in Speed -12.2)**
8. **I-8 WB, Mission Center Road to Qualcomm Way / Texas Street (AM LOS F, Δ in Speed -8.1)**
9. I-8 EB, Qualcomm Way/Texas Street to I-805 Interchange (PM LOS E, Δ in Speed 6.9) – not impacted
10. **I-8 EB, I-805 Interchange to I-15 Interchange (PM LOS F, Δ in Speed -4.6)**
11. **I-8 WB, I-805 Interchange to I-15 Interchange (AM LOS E, Δ in Speed -3.0)**
12. **I-8 EB, I-15 Interchange to Fairmount Ave (PM LOS F, Δ in Speed -6.7)**
13. **I-5 NB, I-8 Interchange to Old Town Avenue (AM LOS F, Δ in Speed -15.6; PM LOS F, Δ in Speed -15.3)**
14. **SR-163 NB, Genesee Avenue to Friars Road (AM LOS E, Δ in Speed -8.3)**
15. **SR-163 SB, Genesee Avenue to Friars Road (PM LOS F, Δ in Speed -11.5)**
16. **SR-163 NB, Friars Road to I-8 Interchange (AM LOS F, Δ in Speed -16.1; PM LOS F, Δ in Speed -11.5)**
17. **SR-163 NB, I-8 Interchange to 6th Avenue (AM LOS F, Δ in Speed -19.5; PM LOS F, Δ in Speed -13.9)**
18. **SR-163 NB, 6th Avenue to Washington Street (AM LOS E, Δ in Speed -10.9; PM LOS E, Δ in Speed -9.0)**
19. **SR-163 SB, 6th Avenue to Washington Street (AM LOS F, Δ in Speed -29.2; PM LOS F, Δ in Speed -26.5)**
20. **I-805 NB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (AM LOS F, Δ in Speed -20.0)**
21. **I-805 SB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (PM LOS F, Δ in Speed -20.0)**
22. **I-805 NB, Murray Ridge Road / Phyllis Place to I-8 Interchange (AM LOS E, Δ in Speed -6.5)**
23. **I-805 SB, Murray Ridge Road / Phyllis Place to I-8 Interchange (PM LOS F, Δ in Speed -15.3)**
24. **I-805 NB, I-8 Interchange to Adams Avenue (AM LOS F, Δ in Speed -9.7)**
25. **I-805 SB, I-8 Interchange to Adams Avenue (PM LOS F, Δ in Speed -6.8)**
26. **I-805 NB, Adams Avenue to El Cajon Boulevard (AM LOS F, Δ in Speed -4.9)**
27. **I-805 SB, Adams Avenue to El Cajon Boulevard (PM LOS F, Δ in Speed -5.9)**
28. **I-15 NB, Aero Drive to Friars Road (AM LOS F, Δ in Speed -16.2)**
29. **I-15 SB, Aero Drive to Friars Road (PM LOS F, Δ in Speed -8.6)**
30. **I-15 NB, Friars Road to I-8 (AM LOS E, Δ in Speed -4.2; PM LOS E, Δ in Speed -8.7)**
31. **I-15 SB, Friars Road to I-8 (AM LOS E, Δ in Speed -8.1; PM LOS E, Δ in Speed -6.2)**
32. **I-15 NB, I-8 to Adams Avenue (AM LOS E, Δ in Speed -7.9; PM LOS F, Δ in Speed -13.8)**
33. **I-15 NB, Adams Avenue to El Cajon Boulevard (AM LOS E, Δ in Speed -6.4; PM LOS E, Δ in Speed -11.4)**

5.4 Freeway Ramp Metering Analysis

Table 5.6 presents the Four-Lane Via Las Cumbres Alternative freeway ramp metering analysis results, as well as any potential traffic impacts associated with the Four-Lane Via Las Cumbres Alternative when comparing to the existing conditions. Existing ramp meter flow rates were assumed under Four-Lane Via Las Cumbres Alternative conditions.

Table 5.6 Freeway Ramp Metering Analysis – Four-Lane Via Las Cumbres Alternative

Ramp	Peak Hour	Total Demand[1] (veh/hr)	SOV Demand[2] (veh/hr)	SOV Demand per lane (veh/hr)	Meter Rate[3] (veh/hr)	Future Excess Demand[4] (veh/hr)	Future Delay[5] (min)	Future Queue[6] (ft)	Existing Delay[5] (min)	Δ Delay[5] (min)	SI?
I-5 NB On-Ramp @ Sea World Drive	AM	1730	1,730	865	965	0	0	0	0	0	N
	PM	1360	1,360	680	972	0	0	0	0	0	N
I-5 SB On-Ramp @ Sea World Drive	AM	455	455	455	444	11	1.49	325	0	1.49	N
	PM	460	460	460	444	16	2.16	475	0	2.16	N
I-805 NB On-Ramp @ Murray Ridge Road	AM	1035	1,035	1035	851	184	12.97	5,325	0	12.97	N
	PM	1480	1,480	1480	N/A[7]	0	0	0	0	0	N
I-805 SB On-Ramp @ Phyllis Place	AM	825	776	776	N/A[7]	0	0	0	0	0	N
	PM	930	735	735	691	44	3.82	1,275	0	3.82	N
I-15 NB On-Ramp @ Friars Road	AM	1810	1,539	769	558	211	22.69	6,125	0	22.69	**Y**
	PM	1570	1,397	699	529	170	19.28	4,925	0.11	19.17	**Y**
I-15 SB On-Ramp @ Friars Road (EB approach)	AM	845	845	845	N/A[7]	0	0	0	0	0	N
	PM	1190	1,190	1190	996	194	11.69	5,625	0	11.69	N
I-8 EB On-Ramp @ Texas Street (NB approach)	AM	490	490	490	N/A[7]	0	0	0	0	0	N
	PM	450	450	450	810	0	0	0	0	0	N
I-8 EB On-Ramp @ Texas Street (SB approach)	AM	850	850	850	N/A[7]	0	0	0	0	0	N
	PM	570	479	479	444	35	4.73	1,025	0	4.73	N
I-8 EB On-Ramp @ Fairmount Avenue (NB approach)	AM	725	725	725	N/A[7]	0	0	0	0	0	N
	PM	725	725	725	744.5	0	0	0	0	0	N
I-8 EB On-Ramp @ Fairmount Avenue (SB approach)	AM	270	270	270	N/A[7]	0	0	0	0	0	N
	PM	825	825	825	745	80	6.44	2,325	0	6.44	N

Notes:
SOV = Single Occupancy Vehicle. HOV = High Occupancy Vehicle. SI? = Significant Impact?
[1] Total Demand is the peak hour demand for both SOV and HOV lanes expected to use the on-ramp.
[2] SOV Demand = (Total Demand) – (HOV Demand).
[3] Meter Rate is the peak hour capacity expected to be processed through the ramp meter per lane. This value was obtained from Caltrans. The average between the "high" and "low" meter rate was used.
[4] Excess Demand = (Demand) – (Meter Rate) or zero, whichever is greater.
[5] Delay = (Excess Demand / Meter Rate) X 60 min/hr.
[6] Queue = (Excess Demand) X 29 ft/veh. SOV volumes were used in the calculation of Queue. A zero represents no excess queue. It is important to note the on-ramp queues could also occur as a result of freeway congestions as the lack of freeway capacity could limit the number of vehicles that can merge onto the freeway.
[7] Ramp not metered.
* HOV demand was obtained from Caltrans Performance Measurements System (PeMS).

As shown in Table 5.6, excess demand is anticipated at the following metered ramps:

- I-5 SB On-Ramp @ Sea World Drive (AM & PM)
- I-805 NB On-Ramp @ Murray Ridge Road (AM)
- I-805 SB On-Ramp @ Phyllis Place (PM)
- I-15 NB On-Ramp @ Friars Road (AM & PM)
- I-15 SB On-Ramp @ Friars Road – EB Approach (PM)
- I-8 EB On-Ramp @ Texas Street – SB Approach (PM)
- I-8 EB On-Ramp @ Fairmount Avenue – SB Approach (PM)

Based on the significant impact criteria outlined in Chapter 2.3, implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative would result in a significant impact at the following freeway ramp meter:

- I-15 NB On-Ramp @ Friars Road (AM & PM)

5.5 Significant Impacts and Mitigation Measures

This chapter identifies recommended mitigation measures for intersection and roadway facilities that would be significantly impacted through implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Mitigated intersection analysis worksheets are provided in Appendix K.

5.5.1 Roadway Mitigation Measures

Sea World Drive, Mission Bay Parkway to Friars Road (LOS F) - Adding a travel lane in each direction would increase the capacity of the roadway from a 4-Lane Major Arterial to a 6-Lane Major Arterial which would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. In order to implement this mitigation, additional right of way acquisition would be required from a built-environment or the existing right of way would need to be repurposed at the expense of existing or planned active transportation facilities. This would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. In addition, the funding source for the implementation of this mitigation has not been determined. Therefore, this impact would remain significant and unavoidable.*

Friars Road, Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps (LOS F) - Widening the roadway from a 6-Lane Major Arterial to an 8-Lane Prime Arterial would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include a Class IV One-Way Cycle Track on both sides of the roadway; therefore, there is insufficient right-of-way on Friars Road to accommodate the additional lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Friars Road, Mission Village Drive to I-15 SB Ramps (LOS F) - Widening the roadway from a 6-Lane Expressway to an 8-Lane Expressway would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this

mitigation measure. *However, this mitigation measure is not recommended at this time because the City anticipates that the stadium site will be studied further in a specific plan effort. Because it is unknown whether this improvement would be compatible with anticipated future planning efforts for the stadium site, implementation of the improvement at this time could ultimately be obsolete. Therefore, this impact would remain significant and unavoidable.*

Friars Road, I-15 SB Ramps to I-15 NB Ramps (LOS F) - Widening the roadway from a 6-Lane Prime Arterial to an 8-Lane Prime Arterial would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended at this time because the City anticipates that the stadium site will be studied further in a specific plan effort. Because it is unknown whether this improvement would be compatible with anticipated future planning efforts for the stadium site, implementation of the improvement at this time could ultimately be obsolete. Therefore, this impact would remain significant and unavoidable.*

Friars Road, I-15 NB Ramps to Rancho Mission Road (LOS F) - Widening the roadway from a 7-Lane Prime Arterial to an 8-Lane Prime Arterial would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include a Class IV One-Way Cycle Track on both sides of the roadway; therefore, there is insufficient right-of-way on Friars Road to accommodate the additional lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Friars Road, Santo Road to Riverdale Street (LOS F) - Widening the roadway from a 6-Lane Prime Arterial to an 8-Lane Prime Arterial would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives includes a Class IV One-Way Cycle Track on both sides of the roadway; therefore, there is insufficient right-of-way on Friars Road to accommodate the additional lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Rio San Diego Drive, River Run Drive to Fenton Parkway (LOS E) - Widening the roadway to maintain 4-Lane Collector with Two-Way Left-Turn Lane while providing the recommended Class II Bike Lanes would improve the operations to LOS B. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include a Class II Bike Lane on both sides of the segment through restriping; therefore, there is insufficient right-of-way on Rio San Diego Drive to accommodate the additional travel lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Hotel Circle North, I-8 WB Off-Ramp to Via Las Cumbres (LOS F) – Widening the roadway from a 2-lane Collector (one-way) to a 4-lane Collector (one-way) would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include a Class IV Two-Way Cycle Track; therefore, there is insufficient right-of-way on Hotel Circle North to accommodate the additional lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Camino De La Reina, Avenida Del Rio to Camino De La Siesta (LOS F) - Widening the roadway from a 2-Lane Collector without Two-Way Left-Turn Lane to a 2-Lane Collector with Two-Way Left-Turn Lane would improve the operations along this roadway segment. This roadway segment would continue to operate at LOS F, however this mitigation would improve the operation to pre-project conditions. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along this segment to accommodate a Two-Way Left-Turn Lane along Camino De La Reina. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Camino Del Rio North, 1800' west of Ward Road to Ward Road (LOS E) - Widening the roadway from a 2-Lane Collector without Two-Way Left-Turn Lane to a 2-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include a Class II Bike Lane on both sides of the segment through restriping of the existing Two-Way Left-Turn Lane; therefore, there is insufficient right-of-way on Camino Del Rio North to accommodate the additional lane, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Hotel Circle South, I-8 EB Off-Ramp to Via Las Cumbres (LOS E) - Widening the roadway from a 2-lane Collector (one-way) to a 3-lane Collector (one-way) would improve the operation to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives includes a Class IV Two-Way Cycle Track; therefore, there is insufficient right-of-way on Hotel Circle South to accommodate the additional lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Hotel Circle South, Via Las Cumbres to I-8 EB On-Ramp (LOS F) - Widening the roadway from a 2-lane Collector (one-way) to a 4-lane Collector (one-way) would improve the operation to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation

of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include a Class IV Two-Way Cycle Track; therefore, there is insufficient right-of-way on Hotel Circle South to accommodate the additional lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Camino Del Rio South, I-15 SB Ramps to I-15 NB Ramps (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include retaining the Class II Bike Lane on both sides of the segment; therefore, there is insufficient right-of-way on Camino Del Rio South to accommodate the additional lanes, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Morena Boulevard, Tecolote Road to West Morena Boulevard (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Via Las Cumbres, Linda Vista Road to Friars Road (LOS F) - Widening the roadway from a 3-Lane Collector without Two-Way Left-Turn Lane to a 3-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate the additional Two-Way Left-Turn Lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Avenida Del Rio, Fashion Valley Parking Lot to Camino De La Reina (LOS F) - Widening the roadway from a 4-Lane Collector without Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate the additional Two-Way Left-Turn Lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Ulric Street, Fashion Hills Boulevard to 600' South of Fashion Hills Boulevard (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS E (better than pre-project conditions). The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Ulric Street, 600' South of Fashion Hills Boulevard to Friars Road (LOS F) - Widening the roadway from a 3-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS E (better than pre-project conditions). The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate the additional Two-Way Left-Turn Lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Camino De La Siesta, Camino De La Reina to Camino Del Rio North (LOS F) - Widening the roadway from a 2-Lane Collector without Two-Way Left-Turn Lane to a 2-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate the additional Two-Way Left-Turn Lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Metropolitan Drive, Mission Valley Road to Murray Canyon Road (LOS F) - Widening the roadway from a 2-Lane Collector without Two-Way Left-Turn Lane (No Fronting Property) to a 2-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. All CPU Alternatives include retaining the Class II Bike Lane on both sides of the segment; therefore, there is insufficient right-of-way on Metropolitan Drive to accommodate the additional Two-Way Left-Turn Lane, maintain existing features, and provide proposed bicycle improvements. Such roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Mission Center Road, Murray Ridge Road to 1200' West of Murray Ridge Road (LOS F) - Widening the roadway from a 2-Lane Collector without Two-Way Left-Turn Lane to a 4-Lane Collector without Two-Way Left-Turn Lane would improve the operations to LOS E. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City*

policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.

Mission Center Road, 1200' West of Murray Ridge Road to 950' North of Mission Valley Road (LOS F) – Widening the roadway from a 3-Lane Collector without Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate an additional travel lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Auto Circle, Camino Del Rio North to I-8 EB Ramps (LOS F) - Widening the roadway from a 4-Lane Major Arterial to a 6-Lane Major Arterial would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Murray Ridge Road, Mission Center Road to I-805 NB Ramps (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Murray Ridge Road, I-805 NB Ramps to I-805 SB Ramps (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Franklin Ridge Road, Via Alta to Civita Boulevard (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel*

lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.

Qualcomm Way, Camino Del Rio North to I-8 WB Ramps (LOS F) - Widening the roadway from a 5-Lane Major to a 6-Lane Major would improve the operation to LOS E. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate an additional travel lane. A detail project study report is needed to identified appropriate improvement to address impacts and accommodate auto, bicycle, pedestrian and transit along Qualcomm Way and Texas Street, between Camino de la Reina and Camino Del Rio South. Therefore, this impact would remain significant and unavoidable.*

Qualcomm Way, I-8 WB Ramps to I-8 EB Ramps (LOS F) - Widening the roadway from a 6-Lane Major to an 8-Lane Prime would improve the operation to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. A detail project study report is needed to identified appropriate improvement to address impacts and accommodate auto, bicycle, pedestrian and transit along Qualcomm Way and Texas Street, between Camino de la Reina and Camino Del Rio South. Therefore, this impact would remain significant and unavoidable.*

Texas Street, 1400' North of Madison Avenue to Madison Avenue (LOS F) – Widening the roadway from a 3-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations along this roadway segment. This roadway segment would continue to operate at LOS F, however this mitigation would improve operations to pre-project conditions. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate an additional travel lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Texas Street, Madison Avenue to Meade Avenue (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Texas Street, Meade Avenue to El Cajon Boulevard (LOS F) - Widening the roadway from a 2-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not*

recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.

Northside Drive, Fenton Marketplace Driveway to Lowes's Frontage Road (LOS E) - Widening the roadway from a 3-Lane Collector with Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate an additional travel lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Rancho Mission Road, Friars Road to San Diego Mission Road (LOS F) - Widening the roadway to provide a 4-Lane Collector with Two-Way Left-Turn Lane and provide the recommended Class IV cycle tracks would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended at this time because the City anticipates that the stadium site will be studied further in a specific plan effort. Because it is unknown whether this improvement would be compatible with anticipated future planning efforts for the stadium site, implementation of the improvement at this time could ultimately be obsolete. Therefore, this impact would remain significant and unavoidable.*

Rancho Mission Road/Ward Road, San Diego Mission Road to Camino Del Rio North (LOS F) - Widening the roadway to provide a 4-Lane Collector with Two-Way Left-Turn Lane and provide the recommended Class IV cycle tracks would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended at this time because the City anticipates that the stadium site will be studied further in a specific plan effort. Because it is unknown whether this improvement would be compatible with anticipated future planning efforts for the stadium site, implementation of the improvement at this time could ultimately be obsolete. Therefore, this impact would remain significant and unavoidable.*

Riverdale Street, Friars Road to Vandever Avenue (LOS F) - Widening the roadway from a 2-Lane Collector without Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS E. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes and a Two-Way Left-Turn Lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Fairmount Avenue, Camino Del Rio N/I-8 WB Off-Ramp to I-8 EB Off-Ramp (LOS F) – Widening the roadway from a 4-Lane Major Arterial to a 6-Lane Major Arterial would improve the operations along this roadway segment to LOS E. The identified significant traffic related impact to this roadway segment would be fully

mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Fairmount Avenue, I-8 EB Off-Ramp to Camino Del Rio South (LOS F) – Widening the roadway from a 6-Lane Expressway to an 8-Lane Expressway would improve the operations along this roadway segment to LOS D. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate two additional travel lanes. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Riverwalk Drive, Fashion Valley Road to Avenida Del Rio (LOS F) - Widening the roadway from a 2-Lane Collector without Two-Way Left-Turn Lane to a 4-Lane Collector with Two-Way Left-Turn Lane would improve the operations to LOS C. The identified significant traffic related impact to this roadway segment would be fully mitigated with the implementation of this mitigation measure. *However, this mitigation measure is not recommended. There is insufficient right-of-way along this segment to accommodate the two additional travel lanes and Two-Way Left-Turn Lane. In addition, roadway widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

5.5.2 Intersection Mitigation Measures

3. *I-805 SB Ramps / Phyllis Place (LOS E: PM Peak Hour)* – The southbound right movement is projected to be over capacity and the eastbound through and westbound left movements are projected to be approaching capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative during the PM peak hour. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the southbound approach to add an additional southbound right-turn lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the southbound approach to accommodate the additional travel lanes. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

4. *I-805 NB Ramps / Phyllis Place (LOS F: PM Peak Hour)* – The eastbound left movement, westbound through, westbound right, northbound left, and northbound through movements are projected to be over capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

- Widen the northbound approach to add an additional northbound left-turn lane.

The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the northbound approach to accommodate the additional travel lanes. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

24. *Mission Village Drive / Friars Road WB Ramps (LOS F: PM Peak Hour*) – The westbound left, westbound through, northbound left, and the southbound through movements are projected to be over capacity and the southbound right movement is projected to be approaching capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the westbound approach to add an additional westbound left-turn lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended at this time because the City anticipates that the stadium site will be studied further in a specific plan effort. Because it is unknown whether this improvement would be compatible with anticipated future planning efforts for the stadium site, implementation of the improvement at this time could ultimately be obsolete. Therefore, this impact would remain significant and unavoidable.*

25. *Mission Village Drive / Friars Road EB Ramps (LOS E: AM Peak Hour & LOS F: PM Peak Hour)* – The southbound through and northbound right movements are projected to be over capacity, and all other movements are projected to approach capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvements would allow the intersection to operate at LOS D or better during both peak hours.

    - Restripe the southbound approach to add a third southbound through lane.
    - Widen the northbound approach to add a second northbound right-turn lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of these improvements. *However, this mitigation measure is not recommended at this time because the City anticipates that the stadium site will be studied further in a specific plan effort. Because it is unknown whether this improvement would be compatible with anticipated future planning efforts for the stadium site, implementation of the improvement at this time could ultimately be obsolete. Therefore, this impact would remain significant and unavoidable.*

27. *I-15 NB Ramps / Friars Road (LOS F: PM Peak Hour)* – The eastbound left movement is projected to be over capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the eastbound approach to add a second eastbound left-turn lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended*

at this time because the City anticipates that the stadium site will be studied further in a specific plan effort. Because it is unknown whether this improvement would be compatible with anticipated future planning efforts for the stadium site, implementation of the improvement at this time could ultimately be obsolete. Therefore, this impact would remain significant and unavoidable.

40. *Mission Center Road / Camino De La Reina (LOS E: PM Peak Hour)* – The northbound and southbound approaches are projected to be approaching capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvements would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the northbound approach to add an exclusive right-turn lane.
    - Widen the westbound approach to add an exclusive right-turn lane.
    - Widen the eastbound approach to add an exclusive right-turn lane.
    - Convert all right-turn lanes to overlap phasing.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of these improvements. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the northbound, westbound, and eastbound approaches to accommodate the additional travel lanes. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

45. *Fairmount Avenue / Camino Del Rio North/I-8 WB Off-Ramp (LOS F: PM Peak Hour)* – The northbound left, southbound through, and all of the eastbound movements are projected to be over capacity, and the westbound and southbound left movements are projected to be approaching capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvements would allow the intersection to operate at LOS D or better than pre-project conditions, during the both peak hours.

    - Widen the southbound approach to add a third southbound through lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of these improvements. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the southbound approach to accommodate the additional travel lane. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

50. *I-8 WB Ramps/Mission Valley Mall Driveway / Camino Del Rio North (LOS E: PM Peak Hour)* – The westbound left movement is projected to be over capacity and the northbound through movement is projected to be approaching capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvements would allow the intersection to operate at LOS D of better during the both peak hours.

    - Widen the westbound approach to construct an additional westbound left-turn lane. Including widening of the I-8 westbound On-ramp to construct an additional lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of these improvements. *However, this mitigation measure is not*

recommended. There is insufficient right-of-way available along the westbound approach and I-8 On-ramp to accommodate the additional travel lane. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.

52. *Qualcomm Way / Camino Del Rio N/I-8 WB Ramps (LOS E: AM Peak Hour & LOS F: PM Peak Hour)* – the northbound and southbound approaches are projected to be over capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvements would allow the intersection to operate at LOS D of better during the both peak hours.

    - Widen the southbound approach to construct an additional two (2) southbound through lanes.
    - Widen the northbound approach to construct an additional northbound through lane.
    - Widen the westbound approach to construct an additional westbound left-turn lane, restripe the existing westbound left-through shared lane to a through lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of these improvements. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the southbound, northbound, and westbound approach to accommodate the additional travel lanes. A detail project study report is needed to identified appropriate improvement to address impacts and accommodate auto, bicycle, pedestrian and transit along Qualcomm Way and Texas Street, between Camino de la Reina and Camino Del Rio South. Therefore, this impact would remain significant and unavoidable.*

58. *Mission Center Road / I-8 EB Ramps (LOS E: PM Peak Hour)* – The southbound left and through movements are projected to be over capacity and the northbound through movement is projected to be approaching capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at pre-project condition or better during the both peak hours.

    - Widen the southbound approach to construct an addition southbound through lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the southbound approach to accommodate the additional travel lane. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

61. *Texas Street / Camino Del Rio South (LOS E: AM Peak Hour)* – The southbound left movement is projected to be over capacity and the northbound right and northbound through movements are projected to be approaching capacity during the AM peak hour with the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the northbound approach to construct an additional northbound through lane.

The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the northbound approach to accommodate the additional travel lane. A detail project study report is needed to identified appropriate improvement to address impacts and accommodate auto, bicycle, pedestrian and transit along Qualcomm Way and Texas Street, between Camino de la Reina and Camino Del Rio South. Therefore, this impact would remain significant and unavoidable.*

67. *Texas Street / Madison Avenue (LOS F: AM Peak Hour)* – The eastbound left movement, westbound right movement, northbound through movement, and the southbound left movement are projected to be over capacity and the northbound left movement is projected to be approaching capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the northbound approach to construct an additional northbound through lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the northbound approach to accommodate the additional travel lane. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

74. *Fashion Valley Road & Riverwalk Drive (LOS F: PM Peak Hour)* – The eastbound left, northbound left, westbound left, and westbound through are projected to be over capacity under the implementation of the CPU land uses and Four-Lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the westbound approach to construct an additional westbound through lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the westbound approach to accommodate the additional travel lane. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable.*

Table 5-8 provides a comparison of Four-Lane Via Las Cumbres Alternative operations at the impacted intersections, with and without mitigation measures.

Table 5-8 Impacted Intersection Level of Service with Mitigation Measures – Four-Lane Via Las Cumbres Alternative

			Mitigated Conditions				Four-Lane Via Las Cumbres Alternative			
			AM		PM		AM		PM	
No.	Intersection	Proposed Control	Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS
3	I-805 SB Ramps & Phyllis Place	Signal	19.3	B	31.2	C	48.0	D	69.5	**E**
4	I-805 NB Ramps & Phyllis Place	Signal	27.1	C	49.6	D	28.7	C	84.4	**F**
24	Mission Village Drive & Friars Road Westbound Ramps	Signal	21.3	C	53.0	D	29.5	C	135.6	**F**
25	Mission Village Drive & Friars Road Eastbound Ramps	Signal	33.5	C	29.5	C	70.6	**E**	90.2	**F**
27	I-15 Northbound Ramps & Friars Road	Signal	12.3	B	19.9	B	49.9	D	88.3	**F**
40	Mission Center Road & Camino De La Reina	Signal	29.6	C	39.3	D	38.4	D	79.3	**E**
45	I-8 Westbound Ramps/Mission Valley Mall Driveway & Camino Del Rio North	Signal	50.0	D	63.5	**E**	51.8	D	85.2	**F**
50	Fairmount Avenue & Camino Del Rio North/I-8 Westbound Off Ramp	Signal	17.1	B	44.6	D	20.0	B	55.9	**E**
52	Qualcomm Way & Camino Del Rio North/I-8 Westbound Ramps	Signal	44.6	D	52.1	D	58.5	**E**	93.9	**F**
58	Mission Center Road & I-8 Eastbound Ramps	Signal	33.4	C	58.5	**E**	34.4	C	66.8	**E**
61	Texas Street & Camino Del Rio South	Signal	54.3	D	40.0	D	68.2	**E**	51.1	D
67	Texas Street & Madison Avenue	Signal	49.1	D	49.1	D	95.2	**F**	50.2	D
74	Fashion Valley Road & Riverwalk Drive	Signal	32.5	C	52.1	D	34.3	C	94.5	**F**

Note: **Bold** letter indicates LOS E or F.

5.5.3 Freeway Segment Mitigation Measures

EB I-8, I-5 Interchange to Morena Boulevard (AM – LOS E; PM – LOS F) - SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

EB I-8, Morena Boulevard to Taylor Street (AM – LOS E; PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more

accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

EB I-8, Taylor Street to Hotel Circle (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

WB I-8, Taylor Street to Hotel Circle (AM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

EB I-8, Hotel Circle to SR-163 Interchange (PM – LOS E) - SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

EB I-8, Mission Center Road to Qualcomm Way / Texas Street (AM – LOS E; PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

WB I-8, Mission Center Road to Qualcomm Way / Texas Street (AM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

EB I-8, I-805 Interchange to I-15 Interchange (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

WB I-8, I-805 Interchange to I-15 Interchange (AM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

EB I-8, I-15 Interchange to Fairmount Avenue (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-5, I-8 Interchange to Old Town Avenue (AM & PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB SR-163, Genesee Avenue to Friars Road (AM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

SB SR-163, Genesee Avenue to Friars Road (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational

improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB SR-163, Friars Road to I-8 Interchange (AM & PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB SR-163, I-8 Interchange to 6th Avenue (AM & PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB SR-163, 6th Avenue to Washington Street (AM & PM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

SB SR-163, 6th Avenue to Washington Street (AM & PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-805, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (AM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation

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SB I-805, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-805, Murray Ridge Road / Phyllis Place to I-8 Interchange (AM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

SB I-805, Murray Ridge Road / Phyllis Place to I-8 Interchange (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-805, I-8 Interchange to Adams Avenue (AM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

SB I-805, I-8 Interchange to Adams Avenue (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-805, Adams Avenue to El Cajon Boulevard (AM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

SB I-805, Adams Avenue to El Cajon Boulevard (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-15, Aero Drive to Friars Road (AM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

SB I-15, Aero Drive to Friars Road (PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-15, Friars Road to I-8 (AM & PM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

SB I-15, Friars Road to I-8 (AM & PM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along

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NB I-15, I-8 to Adams Avenue (AM – LOS E; PM – LOS F)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

NB I-15, Adams Avenue to El Cajon Boulevard (AM & PM – LOS E)- SANDAG's 2050 San Diego Forward: The Regional Plan (2015) Revenue Constrained Managed Lanes and Highway Network identifies operational improvements along this segment. These improvements are anticipated to be completed by Year 2050. There is some uncertainty related to the actual improvements and associated traffic impacts that will materialize over time. Future development projects' transportation studies would be able to more accurately identify individual project-level impacts and provide the mechanism to mitigate them through fair share contributions in addition to the funding identified in the Revenue Constrained Network. *This impact would remain significant and unavoidable.*

5.5.4 Ramp Meter Mitigation Measures

I-15 NB On-Ramp @ Friars Road (AM &PM Peak Hour) – The City of San Diego shall coordinate with Caltrans to address ramp capacity at this impacted location. The proposed CPU already includes a variety of planned transit, pedestrian, and bicycle facilities that would help to reduce single-occupancy vehicle (SOV) travel and reduce ramp demand. Coordination with Caltrans shall include consideration of further measures that would include additional lanes, interchange reconfigurations, and transportation demand management (TDM) measures. However, specific capacity improvements are still undetermined as these are future improvements that must be defined more over time and implementation of freeway improvements in a timely manner is beyond the full control of the City of San Diego. *Therefore, this impact would remain significant and unavoidable.*

5.5.5 All Transportation Facilities Mitigation Measures

Future specific plan proposals shall conduct transportation studies and include coordination between the City of San Diego, Caltrans, SANDAG and MTS to identify needed transportation improvements.

The City of San Diego shall continue to coordinate with Caltrans and SANDAG on future improvements, as future project-level development proceeds, to potentially develop "fair share" mitigation strategies for freeway impacts, as appropriate.

6.0 Two-Lane Via Las Cumbres Alternative

This chapter discusses the traffic operations under the Two-Lane Via Las Cumbres Alternative and assesses potential traffic impacts by comparing the Two-Lane Via Las Cumbres Alternative to existing conditions. Intersection analysis for those intersections that are influenced by the Via Las Cumbres connection are included in this chapter. Roadway segments, intersections influenced by the Via Las Cumbres connection, and freeway segments were evaluated in determining traffic impacts associated with the Two-Lane Via Las Cumbres Alternative. Mitigation measures for significant traffic impacts are identified, as necessary.

The Two-Lane Via Las Cumbres Alternative land uses and mobility network are similar to those analyzed under the Four-Lane Via Las Cumbres Alternative, with the following exception:

- The Via Las Cumbres connection between Friars Road and Levi-Cushman Street "B" is proposed to have two travel lanes, Class II buffered bicycle lanes and painted median from Friars Road to Levi-Cushman Street "B" (with additional lanes at intersections as needed), grade separated from the trolley and bridge over the San Diego River; plus enhancements to Fashion Valley Road to raise it to the 15-year flood level with Class IV two-way cycle track. Note that the Via Las Cumbres connection was assumed to be a Four-Lane Major Arterial with Class IV one-way cycle tracks in the Four-Lane Via Las Cumbres Alternative.

6.1 Roadway Segment Analysis

Roadway segment analysis was conducted for the Two-Lane Via Las Cumbres Alternative roadway classifications. Figure 6-1 and Table 6.1 display the projected ADT volumes and associated roadway LOS under Two-Lane Via Las Cumbres Alternative conditions. Table 6.1 also identifies any potential traffic impacts associated with the Two-Lane Via Las Cumbres Alternative when comparing to existing conditions.



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Traffic Impact Study
CHEN RYAN

Figure 6-1
Daily Roadway Segment Traffic Volumes and Level of Service - Two-Lane Via Las Cumbres Alternative

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Phyllis Place	Franklin Ridge Road to I-805 SB Ramps	5-Ln Major Arterial	45,000	32,600	0.724	C	2-Ln Collector w/o TWLTL	2,270	0.284	A	0.440	N
Sea World Drive	Mission Bay Parkway to Friars Road	4-Ln Major Arterial	40,000	41,200	1.030	**F**	4-Ln Major Arterial	34,200	0.855	D	0.175	**Y**
Sea World Drive	Friars Road to I-5 SB Ramps	4-Ln Major Arterial	40,000	34,800	0.870	D	4-Ln Major Arterial	29,490	0.737	C	0.133	N
Tecolote Road	I-5 SB Ramps and I-5 NB Ramps	4-Ln Major Arterial	40,000	34,800	0.870	D	4-Ln Major Arterial	30,470	0.762	D	0.108	N
Tecolote Road	I-5 NB Ramps to Morena Boulevard	4-Ln Major Arterial	40,000	31,900	0.798	D	4-Ln Major Arterial	22,410	0.560	C	0.238	N
Mission Valley Road	Frazee Road to Metropolitan Drive (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	6,500	0.650	C	2-Ln Collector w/ TWLTL	7,440	0.496	A	0.154	N
Mission Valley Road	Metropolitan Drive to Mission Center Road (east of loop)	4-Ln Major Arterial	40,000	16,400	0.410	B	4-Ln Major Arterial	7,440	0.186	A	0.224	N
Civita Boulevard	Mission Center Road to Via Alta	4-Ln Major Arterial	40,000	5,000	0.125	A	4-Ln Major Arterial	2,480	0.062	A	0.063	N
Civita Boulevard	Via Alta to Qualcomm Way	4-Ln Major Arterial	40,000	4,200	0.105	A	4-Ln Major Arterial	2,480	0.062	A	0.043	N
Civita Boulevard	Qualcomm Way to Franklin Ridge Road	4-Ln Major Arterial	40,000	11,000	0.275	A	4-Ln Major Arterial	2,480	0.062	A	0.213	N
Westside Drive	Mission Center Road to Via Alta	2-Ln Collector w/o TWLTL	8,000	5,100	0.638	D	2-Ln Collector w/o TWLTL	4,070	0.508	C	0.130	N
Friars Road	Sea World Drive to Napa Street	4-Ln Major Arterial	40,000	15,400	0.385	B	4-Ln Major Arterial	13,650	0.341	A	0.044	N
Friars Road	Napa Street to Colusa Street	4-Ln Major Arterial	40,000	19,400	0.485	B	4-Ln Major Arterial	19,170	0.479	B	0.006	N
Friars Road	Colusa Street to Via Las Cumbres	4-Ln Major Arterial	40,000	25,200	0.630	C	4-Ln Major Arterial	19,200	0.480	B	0.150	N
Friars Road	Via Las Cumbres to Fashion Valley Road	4-Ln Major Arterial	40,000	24,600	0.615	C	4-Ln Major Arterial	22,270	0.557	C	0.058	N
Friars Road	Fashion Valley Road to Via De La Moda	5-Ln Major Arterial (3 EB, 2 WB)	45,000	27,200	0.604	C	5-Ln Major Arterial (3 EB, 2 WB)	26,100	0.580	C	0.024	N

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Friars Road	Via De La Moda to Fashion Valley Driveway	5-Ln Major Arterial (3 EB, 2 WB)	45,000	26,500	0.589	C	5-Ln Major Arterial (3 EB, 2 WB)	25,920	0.576	C	0.013	N
Friars Road	Fashion Valley Driveway to Avenida De Las Tiendas	6-Ln Major Arterial	50,000	41,300	0.826	D	6-Ln Major Arterial	26,830	0.537	B	0.289	N
Friars Road	Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps	6-Ln Major Arterial	50,000	58,200	1.164	**F**	6-Ln Major Arterial	40,510	0.810	D	0.354	**Y**
Friars Road	Ulric Street/SR-163 SB Ramps to SR-163 NB Ramps	8-Ln Prime Arterial	80,000	55,600	0.695	C	6-Ln Prime Arterial	53,170	0.886	D	-0.191	N
Friars Road	SR-163 NB Ramps to Frazee Road	8-Ln Prime Arterial	80,000	45,400	0.568	B	6-Ln Prime Arterial	54,150	0.902	D	-0.334	N
Friars Road	Frazee Road to Mission Center Road	8-Ln Prime Arterial	80,000	41,500	0.519	B	7-Ln Expressway	42,780	0.458	B	0.061	N
Friars Road	Mission Center Road to Qualcomm Way	6-Ln Expressway	80,000	35,500	0.444	B	6-Ln Expressway	37,050	0.463	B	-0.019	N
Friars Road	Qualcomm Way to River Run Drive	6-Ln Expressway	80,000	38,900	0.486	B	6-Ln Expressway	33,250	0.416	B	0.070	N
Friars Road	River Run Drive to Fenton Parkway	6-Ln Major Arterial	50,000	40,200	0.804	D	6-Ln Prime Arterial	22,080	0.368	A	0.436	N
Friars Road	Fenton Parkway to Northside Drive	6-Ln Major Arterial	50,000	34,300	0.686	C	6-Ln Prime Arterial	28,430	0.474	B	0.212	N
Friars Road	Northside Drive to Mission Village Drive	6-Ln Expressway	80,000	51,700	0.646	C	6-Ln Expressway	45,330	0.567	C	0.079	N
Friars Road	Mission Village Drive to I-15 SB Ramps	6-Ln Expressway	80,000	85,200	1.065	**F**	6-Ln Expressway	57,740	0.722	C	0.343	**Y**
Friars Road	I-15 SB Ramps to I-15 NB Ramps	6-Ln Prime Arterial	60,000	74,100	1.235	**F**	6-Ln Prime Arterial	46,570	0.776	C	0.459	**Y**
Friars Road	I-15 NB Ramps to Rancho Mission Road	7-Ln Prime Arterial[1]	70,000	70,300	1.004	**F**	7-Ln Prime Arterial	51,610	0.737	C	0.267	**Y**
Friars Road	Rancho Mission Road to Santo Road	7-Ln Prime Arterial[1]	70,000	58,700	0.839	C	7-Ln Prime Arterial	39,430	0.563	B	0.276	N

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Friars Road	Santo Road to Riverdale Street	6-Ln Prime Arterial	60,000	62,000	1.033	**F**	6-Ln Prime Arterial	43,380	0.723	C	0.310	**Y**
Friars Road	Riverdale Street to Mission Gorge Road	6-Ln Prime Arterial	60,000	42,600	0.710	C	6-Ln Prime Arterial	31,300	0.522	B	0.188	N
Mission Gorge Road	Friars Road to Zion Avenue	6-Ln Prime Arterial	60,000	33,200	0.553	B	6-Ln Prime Arterial	40,690	0.678	C	-0.125	N
Hazard Center Drive	Avenida Del Rio to Hazard Center W. Driveway	2-Ln Collector w/ TWLTL	15,000	12,500	0.833	D	Does Not Exist				0.833	N
Hazard Center Drive	Hazard Center W. Driveway to Mission Center Road	4-Ln Collector w/ TWLTL	30,000	15,900	0.530	C	4-Ln Collector w/ TWLTL	8,710	0.290	A	0.240	N
Rio San Diego Drive	Gill Village Way to Qualcomm Way	4-Ln Collector w/ TWLTL	30,000	15,600	0.520	C	4-Ln Collector w/ TWLTL	10,500	0.350	B	0.170	N
Rio San Diego Drive	Qualcomm Way to River Run Drive	4-Ln Major Arterial	40,000	14,700	0.368	A	4-Ln Major Arterial	11,280	0.282	A	0.086	N
Rio San Diego Drive	River Run Drive to Fenton Parkway	2-Ln Collector w/ TWLTL	15,000	13,900	0.927	**E**	4-Ln Collector w/ RM	9,090	0.303	A	0.624	**Y**
San Diego Mission Road	Friars Road EB Ramps to Rancho Mission Road	4-Ln Collector w/ TWLTL	30,000	12,400	0.413	B	4-Ln Collector w/o TWLTL	7,590	0.506	C	-0.093	N
San Diego Mission Road	Rancho Mission Road to 950' West of Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	13,700	0.457	B	2-Ln Collector w/ TWLTL	8,020	0.534	C	-0.077	N
San Diego Mission Road	950' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	13,700	0.457	B	2-Ln Collector w/o TWLTL (NFP)	8,020	0.802	D	-0.345	N
Taylor Street	Pacific Highway to Morena Boulevard	5-Ln Major Arterial (3 EB, 2 WB)	45,000	18,800	0.418	B	5-Ln Major Arterial (3 EB, 2 WB)	19,060	0.423	B	-0.005	N
Taylor Street	Morena Boulevard to I-8 EB Ramps	2-Ln Collector w/ TWLTL	15,000	4,000	0.267	A	2-Ln Collector w/o TWLTL (NFP)	17,750	1.775	**F**	-1.508	N
Taylor Street	I-8 EB Ramps to Hotel Circle South	2-Ln Collector w/o TWLTL (NFP)	10,000	5,000	0.500	B	2-Ln Collector w/ TWLTL	14,410	0.961	**E**	-0.461	N
Hotel Circle North	Hotel Circle South to Fashion Valley Road	2-Ln Collector (one-way)	17,500	8,200	0.469	B	2-Ln Collector w/ TWLTL	12,460	0.831	D	-0.362	N

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Hotel Circle North	Fashion Valley Road to I-8 WB Off-Ramp	2-Ln Collector (one-way)	17,500	14,200	0.811	D	3-Ln Collector (2 EB, 1 WB)	15,510	1.410	**F**	-0.599	N
Hotel Circle North	I-8 WB Off-Ramp to Via Las Cumbres	2-Ln Collector (one-way)	17,500	25,000	1.429	**F**	2-Ln Collector w/ TWLTL	6,510	0.434	B	0.995	**Y**
Hotel Circle North	Via Las Cumbres to I-8 WB On-Ramp	2-Ln Collector (one-way)	17,500	15,300	0.874	**E**	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-0.660	N
Hotel Circle North	I-8 WB On-Ramp to Hotel Circle South	2-Ln Collector (one-way)	17,500	3,300	0.189	A	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-1.345	N
Camino De La Reina	Hotel Circle North to Avenida Del Rio	2-Ln Collector w/ TWLTL	15,000	9,900	0.660	C	2-Ln Collector w/ TWLTL	8,480	0.566	C	0.094	N
Camino De La Reina	Avenida Del Rio to Camino De La Siesta	2-Ln Collector w/o TWLTL (NFP)	10,000	17,100	1.710	**F**	2-Ln Collector w/o TWLTL (NFP)	13,360	1.336	**F**	0.374	**Y**
Camino De La Reina	Camino De La Siesta to Mission Center Road	4-Ln Major Arterial	40,000	10,800	0.270	A	4-Ln Major Arterial	10,730	0.268	A	0.002	N
Camino De La Reina	Mission Center Road to Camino Del Este	4-Ln Major Arterial	40,000	19,700	0.493	B	4-Ln Major Arterial	18,530	0.463	B	0.030	N
Camino De La Reina	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	13,200	0.330	A	4-Ln Major Arterial	13,770	0.344	A	-0.014	N
Camino Del Rio North	Camino De La Siesta to Mission Center Road	2-Ln Collector w/ TWLTL	15,000	12,800	0.853	D	2-Ln Collector w/ TWLTL	5,430	0.362	B	0.491	N
Camino Del Rio North	Mission Center Road to I-8 WB Ramps	4-Ln Major Arterial	40,000	29,600	0.740	C	4-Ln Major Arterial	24,030	0.601	C	0.139	N
Camino Del Rio North	I-8 WB Ramps to Camino Del Este	3-Ln Collector w/ TWLTL (1 EB, 2 WB)	22,500	11,300	0.502	C	3-Ln Collector w/ RM (1 EB, 2 WB)	11,910	0.529	C	-0.027	N
Camino Del Rio North	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	21,500	0.538	C	4-Ln Major Arterial	12,180	0.305	A	0.233	N
Camino Del Rio North	Qualcomm Way to Mission City Parkway	4-Ln Major Arterial	40,000	15,700	0.393	B	4-Ln Major Arterial	10,590	0.265	A	0.128	N
Camino Del Rio North	Mission City Parkway to 1800' West of Ward Rd	2-Ln Collector w/o TWLTL (NFP)	10,000	8,900	0.890	D	2-Ln Collector w/o TWLTL (NFP)	8,080	0.808	D	0.082	N
Camino Del Rio North	1800' West of Ward Road to Ward Road	2-Ln Collector w/o TWLTL (NFP)	10,000	9,700	0.970	**E**	2-Ln Collector w/o TWLTL (NFP)	8,920	0.892	D	0.078	**Y**

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Camino Del Rio North	Ward Road to 1000' West of Fairmount Avenue	4-Ln Major Arterial	40,000	9,700	0.243	A	4-Ln Major Arterial	11,830	0.296	A	-0.054	N
Camino Del Rio North	1000' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	20,400	0.680	D	4-Ln Collector w/ TWLTL	13,470	0.449	B	0.231	N
Hotel Circle South	Taylor Street to I-8 EB Off-Ramp	2-Ln Collector (one-way)	17,500	3,100	0.177	A	2-Ln Collector w/o TWLTL (NFP)	12,010	1.201	**F**	-1.024	N
Hotel Circle South	I-8 EB Off-Ramp to Via Las Cumbres	2-Ln Collector (one-way)	17,500	15,500	0.886	**E**	2-Ln Collector w/ TWLTL	12,340	0.823	D	0.063	**Y**
Hotel Circle South	Via Las Cumbres to I-8 EB On-Ramp	2-Ln Collector (one-way)	17,500	30,200	1.726	**F**	2-Ln Collector w/ TWLTL	12,340	0.823	D	0.903	**Y**
Hotel Circle South	I-8 EB On-Ramp to Bachman Place	2-Ln Collector (one-way)	17,500	14,100	0.806	D	2-Ln Collector w/ TWLTL	17,200	1.146	**F**	-0.340	N
Hotel Circle South	Bachman Place to Hotel Circle North/Camino De La Reina	2-Ln Collector (one-way)	17,500	14,700	0.840	D	2-Ln Collector w/ TWLTL	15,580	1.038	**F**	-0.198	N
Camino Del Rio South	Western Terminus to Mission Center Road	2-Ln Collector w/ TWLTL	15,000	7,500	0.500	C	2-Ln Collector w/ w/o TWLTL	7,330	0.916	**E**	-0.416	N
Camino Del Rio South	Mission Center Road to Texas Street	2-Ln Collector w/ TWLTL	15,000	8,700	0.580	C	2-Ln Collector w/ w/o TWLTL	7,410	0.927	**E**	-0.347	N
Camino Del Rio South	Texas Street to Mission City Parkway	2-Ln Collector w/ TWLTL	15,000	11,200	0.747	D	2-Ln Collector w/ w/o TWLTL	8,140	1.018	**F**	-0.271	N
Camino Del Rio South	Mission City Parkway to I-15 SB Off-Ramp	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	22,500	14,100	0.627	C	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	11,750	0.522	C	0.105	N
Camino Del Rio South	I-15 SB Off-Ramp to I-15 NB On-Ramp	2-Ln Collector w/ TWLTL	15,000	17,000	1.133	**F**	4-Ln Collector w/ TWLTL	9,580	0.319	A	0.814	**Y**
Camino Del Rio South	I-15 NB On-Ramp to Fairmount Avenue	2-Ln Collector w/ TWLTL	15,000	7,700	0.513	C	2-Ln Collector w/ TWLTL	6,370	0.424	B	0.089	N
Morena Boulevard	Tecolote Road to West Morena Boulevard	2-Ln Collector w/ TWLTL	15,000	16,700	1.113	**F**	2-Ln Collector w/ TWLTL	16,180	1.079	**F**	0.034	**Y**

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Morena Boulevard	West Morena Boulevard to Linda Vista Road	4-Ln Major Arterial	40,000	16,100	0.403	B	4-Ln Major Arterial	17,740	0.443	B	-0.040	N
Morena Boulevard	Linda Vista Road to I-8 WB Off-Ramp	4-Ln Major Arterial	40,000	28,900	0.723	C	4-Ln Major Arterial	41,930	1.048	**F**	-0.325	N
Morena Boulevard	I-8 WB Off-Ramp to Taylor Street	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	15,600	0.693	D	3-Ln Collector w/ RM (2 NB, 1 SB)	11,570	0.514	C	0.179	N
Napa Street	Morena Boulevard to Friars Road	4-Ln Major Arterial	40,000	15,700	0.393	B	4-Ln Major Arterial	13,430	0.336	A	0.057	N
Colusa Street	Linda Vista Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	2,700	0.338	B	2-Ln Collector w/o TWLTL	2,720	0.339	B	-0.001	N
Via Las Cumbres	Linda Vista Road to Friars Road	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	12,200	1.109	**F**	3-Ln Collector (2 NB, 1 SB)	10,920	0.993	**E**	0.116	**Y**
Via Las Cumbres	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	11,300	0.283	A	Does Not Exist				0.283	N
Via Las Cumbres	Riverwalk Drive to Levi-Cushman Street "B"	2-Ln Major Arterial	20,000	17,200	0.860	D	Does Not Exist				0.860	N
Via Las Cumbres	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	17,900	0.448	B	Does Not Exist				0.448	N
Via Las Cumbres	Hotel Circle North to Hotel Circle South	4-Ln Major Arterial	40,000	30,100	0.753	D	Does Not Exist				-	-
Fashion Valley Road	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	8,200	0.205	A	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.460	N
Fashion Valley Road	Riverwalk Drive to Levi-Cushman Street "B"	4-Ln Major Arterial	40,000	17,400	0.435	B	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.230	N
Fashion Valley Road	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	24,600	0.615	C	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.050	N
Bachman Place	Hotel Circle South to southern community boundary	4-Ln Collector w/ TWLTL	30,000	20,800	0.693	D	2-Ln Collector w/o TWLTL (NFP)	9,140	0.914	**E**	-0.221	N

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Avenida Del Rio	Fashion Valley Parking Lot to Camino De La Reina	4-Ln Collector w/o TWLTL	15,000	19,100	1.273	F	4-Ln Collector w/o TWLTL	8,740	0.583	C	0.690	Y
Ulric Street	Fashion Hills Boulevard to 600' South of Fashion Hills Blvd	2-Ln Collector w/ TWLTL	15,000	25,800	1.720	F	2-Ln Collector w/ TWLTL	20,380	1.359	F	0.361	Y
Ulric Street	600' South of Fashion Hills Boulevard to Friars Road	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	27,100	1.204	F	3-Ln Collector w/ SM (1 NB 2 SB)	20,430	0.908	E	0.296	Y
Camino De La Siesta	Camino De La Reina to Camino Del Rio North	2-Ln Collector w/o TWLTL	8,000	9,400	1.175	F	2-Ln Collector w/ w/o TWLTL	5,150	0.643	D	0.532	Y
Metropolitan Drive	Mission Valley Road to Murray Canyon Road (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	11,400	1.140	F	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	0.969	Y
Metropolitan Drive	Murray Canyon Road to Frazee Road (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	200	0.020	A	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	-0.151	N
Murray Canyon Road	Metropolitan Drive to Frazee Road	2-Ln Collector w/o TWLTL (NFP)	10,000	5,600	0.560	B	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	7,400	0.329	A	0.231	N
Frazee Road	Metropolitan Drive to Murray Canyon Road	2-Ln Collector w/o TWLTL (NFP)	10,000	6,200	0.620	C	Does Not Exist				0.620	N
Frazee Road	Murray Canyon Road to Friars Road	4-Ln Major Arterial	40,000	20,400	0.510	B	4-Ln Major Arterial	14,670	0.367	A	0.143	N
Frazee Road	Friars Road to Hazard Center Drive	4-Ln Major Arterial	40,000	19,200	0.480	B	4-Ln Major Arterial	17,050	0.426	B	0.054	N
Mission Center Road	Murray Ridge Road to 1200' West of Murray Ridge Road	2-Ln Collector w/o TWLTL	8,000	14,700	1.838	F	2-Ln Collector w/o TWLTL	10,970	1.097	F	0.741	Y
Mission Center Road	1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	14,700	1.336	F	3-Ln Collector (2 NB, 1 SB)	10,720	0.975	E	0.361	Y

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Mission Center Road	950' North of Mission Valley Road to Mission Valley Road	4-Ln Major Arterial	40,000	14,700	0.368	A	4-Ln Major Arterial	10,940	0.273	A	0.095	N
Mission Center Road	Mission Valley Road to Westside Drive	4-Ln Major Arterial	40,000	20,100	0.503	B	4-Ln Major Arterial	14,170	0.354	A	0.149	N
Mission Center Road	Westside Drive to Friars Road WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	33,000	0.733	C	5-Ln Major Arterial (3 NB, 2 SB)	26,020	0.578	C	0.155	N
Mission Center Road	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	25,600	0.640	C	4-Ln Major Arterial	22,830	0.571	C	0.069	N
Mission Center Road	Friars Road EB Ramps to Mission Center Court	4-Ln Major Arterial	40,000	22,400	0.560	C	4-Ln Major Arterial	19,470	0.487	B	0.073	N
Mission Center Road	Mission Center Court to Hazard Center Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	26,100	0.580	C	5-Ln Major Arterial (2 NB, 3 SB)	19,450	0.432	B	0.148	N
Mission Center Road	Hazard Center Drive to Camino De La Reina	5-Ln Major Arterial (2 NB, 3 SB)	45,000	32,100	0.713	C	5-Ln Major Arterial (2 NB, 3 SB)	27,060	0.601	C	0.112	N
Mission Center Road	Camino De La Reina to Camino Del Rio North	5-Ln Major Arterial (3 NB, 2 SB)	45,000	31,700	0.704	C	5-Ln Major Arterial (3 NB, 2 SB)	23,280	0.517	B	0.187	N
Auto Circle	Camino Del Rio North to I-8 EB Ramps	4-Ln Major Arterial	40,000	41,100	1.028	**F**	4-Ln Major Arterial	34,100	0.852	D	0.176	**Y**
Auto Circle	I-8 EB Ramps to Camino Del Rio South	4-Ln Collector w/ TWLTL	30,000	18,000	0.600	C	4-Ln Collector w/ RM	20,980	0.699	D	-0.099	N
Via Alta	Franklin Ridge Road to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	10,900	0.727	D	Does Not Exist				0.727	N
Via Alta	Civita Boulevard to Westside Drive	2-Ln Collector w/ TWLTL	15,000	6,400	0.427	B	2-Ln Collector w/ RM	1,340	0.089	A	0.338	N
Murray Ridge Road	Mission Center Road to I-805 NB Ramps	2-Ln Collector w/ TWLTL	15,000	23,800	1.587	**F**	2 Ln Collector w/ TWLTL	20,000	1.333	**F**	0.254	**Y**
Murray Ridge Road	I-805 NB Ramps to I-805 SB Ramps	2-Ln Collector w/ TWLTL	15,000	24,300	1.620	**F**	2-Ln Collector w/ TWLTL	11,700	0.780	D	0.840	**Y**

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Russell Park Way	Civita Boulevard to Friars Road	2-Ln Collector w/ TWLTL	15,000	7,400	0.493	C	2-Ln Collector w/ RM	1,020	0.068	A	0.425	N
Camino Del Este	Rio San Diego Drive to Camino De La Reina	4-Ln Collector w/ TWLTL	30,000	13,900	0.463	B	4-Ln Collector w/ RM or TWLTL	8,450	0.282	A	0.181	N
Camino Del Este	Camino De La Reina to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	18,200	0.607	C	4-Ln Collector w/ RM or TWLTL	9,880	0.329	A	0.278	N
Franklin Ridge Road	Phyllis Place to Via Alta	4-Ln Major Arterial	40,000	31,800	0.795	D	Does Not Exist				0.795	N
Franklin Ridge Road	Via Alta to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	17,100	1.140	**F**	Does Not Exist				1.140	**Y**
Qualcomm Way	Civita Boulevard to Friars Road WB Ramps	4-Ln Major Arterial	40,000	19,700	0.493	B	Does Not Exist				0.493	N
Qualcomm Way	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	30,300	0.758	D	2-Ln Collector w/ TWLTL	9,300	0.620	C	0.138	N
Qualcomm Way	Friars Road EB Ramps to Rio San Diego Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	26,300	0.584	C	5-Ln Major Arterial (2NB, 3SB)	10,200	0.227	A	0.357	N
Qualcomm Way	Rio San Diego Drive to Camino Del Rio North	6-Ln Major Arterial	50,000	42,700	0.854	D	6-Ln Major Arterial	24,330	0.487	B	0.367	N
Qualcomm Way	Camino Del Rio North to I-8 WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	49,400	1.098	**F**	5-Ln Major Arterial (3 NB, 2 SB)	23,560	0.524	B	0.574	**Y**
Qualcomm Way	I-8 WB Ramps to I-8 EB Ramps	6-Ln Major Arterial	50,000	53,500	1.070	**F**	6-Ln Major Arterial	36,410	0.728	C	0.342	**Y**
Qualcomm Way	I-8 EB Ramps to Camino Del Rio South	4-Ln Major Arterial	40,000	32,100	0.803	D	4-Ln Major Arterial	25,830	0.646	C	0.157	N
Texas Street	Camino Del Rio South to 1400' North of Madison Ave	4-Ln Major Arterial	40,000	33,200	0.830	D	4-Ln Major Arterial	29,050	0.726	C	0.104	N
Texas Street	1400' North of Madison Ave to Madison Avenue	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	22,500	33,200	1.476	**F**	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	29,240	1.300	**F**	0.176	**Y**

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Texas Street	Madison Avenue to Meade Ave	2-Ln Collector w/ TWLTL	15,000	20,400	1.360	**F**	2-Ln Collector w/ TWLTL	17,090	1.139	**F**	0.221	**Y**
Texas Street	Meade Ave to El Cajon Boulevard	3-Ln Collector	11,000	15,600	1.418	**F**	3-Ln Collector	14,310	1.300	**F**	0.118	**Y**
River Run Drive	Friars Road to Rio San Diego Drive	2-Ln Collector w/o TWLTL	8,000	4,100	0.513	C	2-Ln Collector w/o TWLTL	4,030	0.504	C	0.009	N
Fenton Parkway	Portofino Driveway to Friars Road	4-Ln Major Arterial	40,000	4,900	0.123	A	4-Ln Major Arterial	4,120	0.514	C	-0.391	N
Fenton Parkway	Friars Road to Rio San Diego Drive	4-Ln Major Arterial	40,000	15,700	0.393	B	4-Ln Major Arterial	12,610	0.315	A	0.078	N
Fenton Parkway	Rio San Diego Drive to Del Rio Apartments Driveway	4-Ln Major Arterial	40,000	9,300	0.233	A	4-Ln Major Arterial	5,400	0.135	A	0.098	N
Fenton Parkway	Del Rio Apartments Driveway to New Street "I"	4-Ln Major Arterial	40,000	9,300	0.233	A	Does Not Exist				0.233	N
Fenton Parkway	New Street "I" to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	13,900	0.463	B	Does Not Exist				0.463	N
Mission City Parkway	Camino Del Rio North to Camino Del Rio South	2-Ln Collector w/ TWLTL	15,000	11,000	0.733	D	2-Ln Collector w/ TWLTL	6,430	0.643	B	0.090	N
Northside Drive	Portofino Driveway to Friars Road	4-Ln Collector w/ TWLTL	30,000	5,100	0.170	A	4-Ln Collector w/ RM	6,590	0.220	A	-0.050	N
Northside Drive	Friars Road to Fenton Marketplace Driveway	4-Ln Collector w/ TWLTL	30,000	24,600	0.820	D	4-Ln Collector w/ RM	20,310	0.677	C	0.143	N
Northside Drive	Fenton Marketplace Driveway to Lowe's Frontage Road	Shopping Center Driveway2	22,500	19,600	0.871	**E**	3-Ln Collector w/ RM (2 NB, 1 SB)	15,890	0.706	D	0.165	**Y**
Mission Village Drive	Ronda Avenue to Friars Road WB Ramps	4-Ln Major Arterial	40,000	17,900	0.448	B	4-Ln Major Arterial	17,220	0.431	B	0.017	N
Mission Village Drive	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	30,600	0.765	D	4-Ln Major Arterial	13,660	0.342	A	0.423	N

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Rancho Mission Road	Friars Road to San Diego Mission Road	2-Ln Collector w/ TWLTL	15,000	16,200	1.080	**F**	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	12,820	0.570	C	0.510	**Y**
Rancho Mission Road	San Diego Mission Road to Camino Del Rio North	2-Ln Collector w/ TWLTL	15,000	19,300	1.287	**F**	4-Ln Collector w/o TWLTL	9,580	0.639	C	0.648	**Y**
Santo Road	Northern Terminus to Friars Road	4-Ln Major Arterial	40,000	15,700	0.393	B	2-Ln Collector w/o TWLTL	6,360	0.796	D	-0.403	N
Riverdale Street	Zion Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	2,200	0.275	A	2-Ln Collector w/ w/o TWLTL	2,770	0.346	B	-0.071	N
Riverdale Street	Friars Road to Vandever Avenue	2-Ln Collector w/o TWLTL	8,000	26,500	3.313	**F**	2-Ln Collector w/ w/o TWLTL	8,900	1.113	**F**	2.200	**Y**
Mission Gorge Road	Friars Road to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	22,700	0.757	D	4-Ln Collector w/ TWLTL	14,710	0.490	C	0.267	N
Fairmount Avenue	Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp	4-Ln Major Arterial	40,000	53,300	1.333	**F**	4-Ln Major Arterial	40,210	1.005	**F**	0.328	**Y**
Fairmount Avenue	I-8 EB Off-Ramp to Camino Del Rio South	6-Ln Expressway	80,000	93,300	1.166	**F**	6-Ln Expressway	82,880	1.036	**F**	0.130	**Y**
Riverwalk Drive	West of Via Las Cumbres	2-Ln Collector w/ TWLTL	15,000	6,000	0.400	B	Does Not Exist				0.400	N
Riverwalk Drive	Via Las Cumbres to Fashion Valley Road	2-Ln Collector w/ TWLTL	15,000	3,700	0.247	A	Does Not Exist				0.247	N
Riverwalk Drive	Fashion Valley Road to Avenida Del Rio	2-Ln Collector w/o TWLTL	8,000	15,200	1.900	**F**	Does Not Exist				1.900	**Y**
Levi-Cushman Street "B"	Via Las Cumbres to Fashion Valley Road	4-Ln Collector w/ TWLTL	30,000	11,300	0.377	B	Does Not Exist				0.377	N
Goshen St	Linda Vista Rd to Gaines St	2-Ln Collector w/o TWLTL	8,000	4,300	0.538	C	Not Analyzed				0.538	N
Goshen St	Gaines St to Friars Rd	2-Ln Collector w/o TWLTL	8,000	3,400	0.425	B	Not Analyzed				0.425	N
New Street "I"	Mission City Parkway to Eastern End	2-Ln Collector w/ TWLTL	15,000	11,900	0.793	D	Does Not Exist				0.793	N

Table 6.1 Roadway Segment Analysis – Two-Lane Via Las Cumbres Alternative

		Two-Lane Via Las Cumbres Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Gill Village Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	5,700	0.380	B		Not Analyzed			0.380	N
Rio Bonito Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	4,100	0.273	A		Not Analyzed			0.273	N

Notes:
Bold letter indicates substandard LOS E or F. RM = Raised Median. | SM = Striped Median. | TWLTL = Two-Way Left-Turn Lane. | NFP = No Fronting Property. | SI = Significant Impact.
[1] Capacity for a 7-Ln Prime Arterial is calculated assuming that each additional lane above a 6-Ln Arterial adds 5,000 ADT for LOS A, 7,500 ADT for LOS B and 10,000 ADT for LOS C, D, and E.
[2] Shopping Center Driveway was analyzed as a 3-Ln Collector w/ TWLTL.

As shown in Table 5.2, based on the criteria documented in Section 2.3, the CPU land uses and Two-Lane Via Las Cumbres Alternative will result in a LOS of E or F along the following 39 roadway segments, and have a significant traffic impact to the following 38 roadway segments in **bold**, when comparing to the existing conditions (Two-Lane Via Las Cumbres Alternative Plan-to-Ground):

- **Sea World Drive, Mission Bay Parkway to Friars Road (LOS F, Δ in V/C 0.175)**
- **Friars Road, Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps (LOS F, Δ in V/C 0.354)**
- **Friars Road, Mission Village Drive to I-15 SB Ramps (LOS F, Δ in V/C 0.343)**
- **Friars Road, I-15 SB Ramps to I-15 NB Ramps (LOS F, Δ in V/C 0.459)**
- **Friars Road, I-15 NB Ramps to Rancho Mission Road (LOS F, Δ in V/C 0.267)**
- **Friars Road, Santo Road to Riverdale Street (LOS F, Δ in V/C 0.31)**
- **Rio San Diego Drive, River Run Drive to Fenton Parkway (LOS E, Δ in V/C 0.624)**
- **Hotel Circle North, I-8 WB Off-Ramp to Via Las Cumbres (LOS F, Δ in V/C 0.995)**
- Hotel Circle North, Via Las Cumbres to I-8 WB Off-Ramp (LOS E, Δ in V/C -0.660) – not impacted
- **Camino De La Reina, Avenida Del Rio to Camino De La Siesta (LOS F, Δ in V/C 0.374)**
- **Camino Del Rio North, 1800' West of Ward Road to Ward Road (LOS E, Δ in V/C 0.078)**
- **Hotel Circle South, I-8 EB Off-Ramp to Via Las Cumbres (LOS E, Δ in V/C 0.063)**
- **Hotel Circle South, Via Las Cumbres to I-8 EB On-Ramp (LOS F, Δ in V/C 0.903)**
- **Camino Del Rio South, I-15 SB Off-Ramp to I-15 NB On-Ramp (LOS F, Δ in V/C 0.814)**
- **Morena Boulevard, Tecolote Road to West Morena Boulevard (LOS F, Δ in V/C 0.034)**
- **Via Las Cumbres, Linda Vista Road to Friars Road (LOS F, Δ in V/C 0.116)**
- **Avenida Del Rio, Fashion Valley Parking Lot to Camino De La Reina (LOS F, Δ in V/C 0.69)**
- **Ulric Street, Fashion Hills Boulevard to 600' South of Fashion Hills Blvd (LOS F, Δ in V/C 0.361)**
- **Ulric Street, 600' South of Fashion Hills Boulevard to Friars Road (LOS F, Δ in V/C 0.296)**
- **Camino De La Siesta, Camino De La Reina to Camino Del Rio North (LOS F, Δ in V/C 0.532)**
- **Metropolitan Drive, Mission Valley Road to Murray Canyon Road (clockwise) (LOS F, Δ in V/C 0.969)**
- **Mission Center Road, Murray Ridge Road to 1200' West of Murray Ridge Road (LOS F, Δ in V/C 0.741)**
- **Mission Center Road, 1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd (LOS F, Δ in V/C 0.361)**
- **Auto Circle, Camino Del Rio North to I-8 EB Ramps (LOS F, Δ in V/C 0.176)**
- **Murray Ridge Road, Mission Center Road to I-805 NB Ramps (LOS F, Δ in V/C 0.254)**
- **Murray Ridge Road, I-805 NB Ramps and I-805 SB Ramps (LOS F, Δ in V/C 0.840)**
- **Franklin Ridge Road, Via Alta to Civita Boulevard (LOS F, Δ in V/C 1.140)**
- **Qualcomm Way, Camino Del Rio North to I-8 WB Ramps (LOS F, Δ in V/C 0.574)**
- **Qualcomm Way, I-8 WB Ramps to I-8 EB Ramps (LOS F, Δ in V/C 0.342)**
- **Texas Street, 1400' North of Madison Ave to Madison Avenue (LOS F, Δ in V/C 0.176)**
- **Texas Street, Madison Avenue to Meade Ave (LOS F, Δ in V/C 0.221)**
- **Texas Street, Meade Ave to El Cajon Boulevard (LOS F, Δ in V/C 0.118)**
- **Northside Drive, Fenton Marketplace Driveway to Lowe's Frontage Road (LOS E, Δ in V/C 0.165)**
- **Rancho Mission Road, Friars Road to San Diego Mission Road (LOS F, Δ in V/C 0.51)**
- **Rancho Mission Road, San Diego Mission Road to Camino Del Rio North (LOS F, Δ in V/C 0.648)**
- **Riverdale Street, Friars Road to Vandever Avenue (LOS F, Δ in V/C 2.2)**
- **Fairmount Avenue, Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp (LOS F, Δ in V/C 0.328)**
- **Fairmount Avenue, I-8 EB Off-Ramp to Camino Del Rio South (LOS F, Δ in V/C 0.13)**
- **Riverwalk Drive, Fashion Valley Road to Avenida Del Rio (LOS F, Δ in V/C 1.9)**

The asterisk (*) above identifies the one new roadway segment impact resulting from the Two-Lane Via Las Cumbres Alternative.

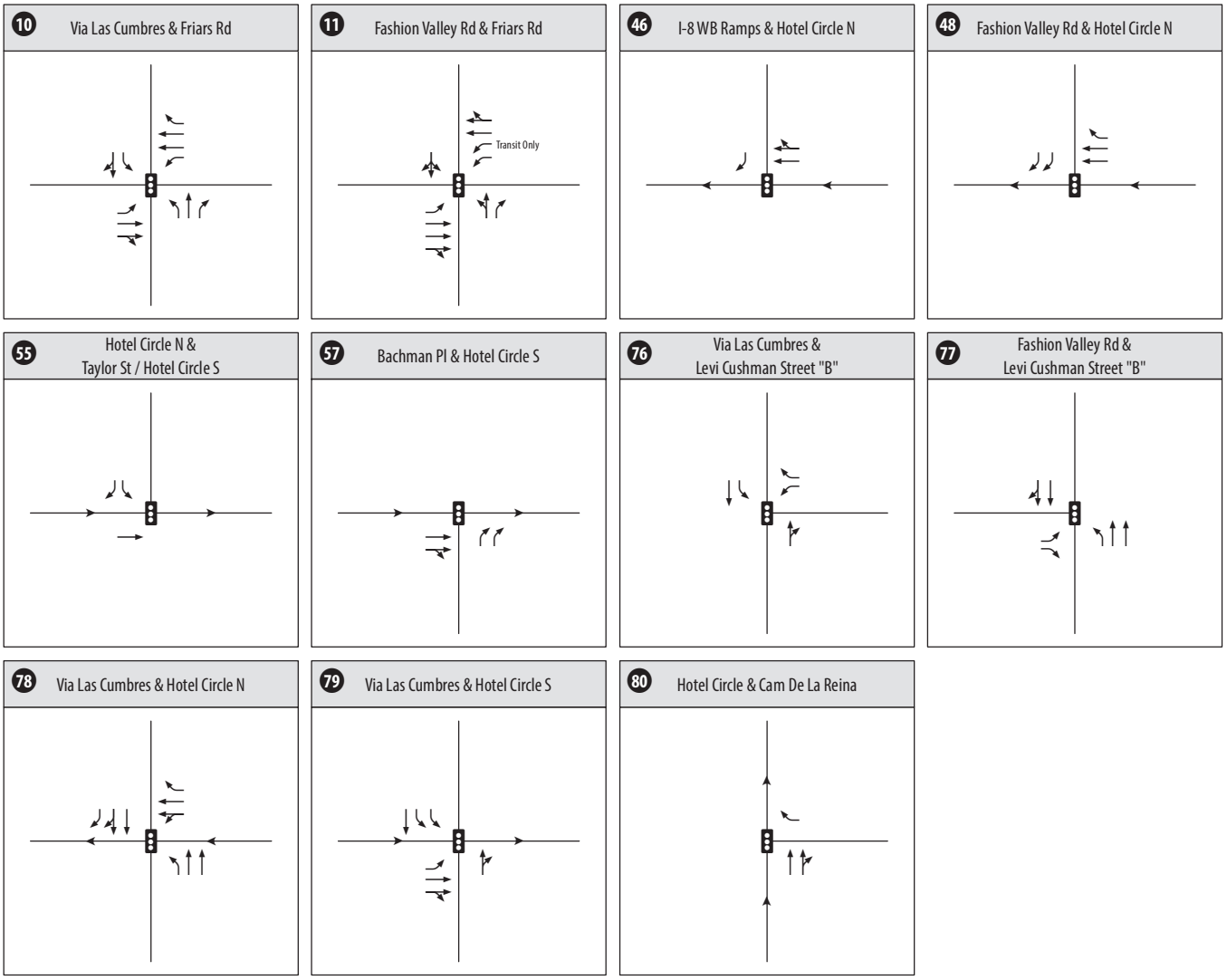
6.2 Intersection Analysis

This chapter provides a focused intersection analysis for 12 intersections in the vicinity of the Via Las Cumbres extension. Based on a comparison between the Four-Lane Via Las Cumbres Alternative roadway ADT in Table 5.2 and the Two-Lane Via Las Cumbres roadway ADT in Table 6.1, it was determined that the following intersections could be affected by the Two-Lane Via Las Cumbres Alternative:

- 10: Via Las Cumbres / Friars Road
- 11: Fashion Valley Road / Friars Road
- 46: I-8 WB Ramps / Hotel Circle North (W)
- 48: Fashion Valley Road / Hotel Circle North
- 55: Hotel Circle North / Taylor Street/Hotel Circle South
- 57: Bachman Place / Hotel Circle South
- 74: Fashion Valley Road / Riverwalk Drive
- 76: Via Las Cumbres & Levi Cushman Street "B"
- 77: Fashion Valley Road & Levi Cushman Street "B"
- 78: Via Las Cumbres & Hotel Circle North
- 79: Via Las Cumbres & Hotel Circle South
- 80: Hotel Circle South & Camino De La Reina

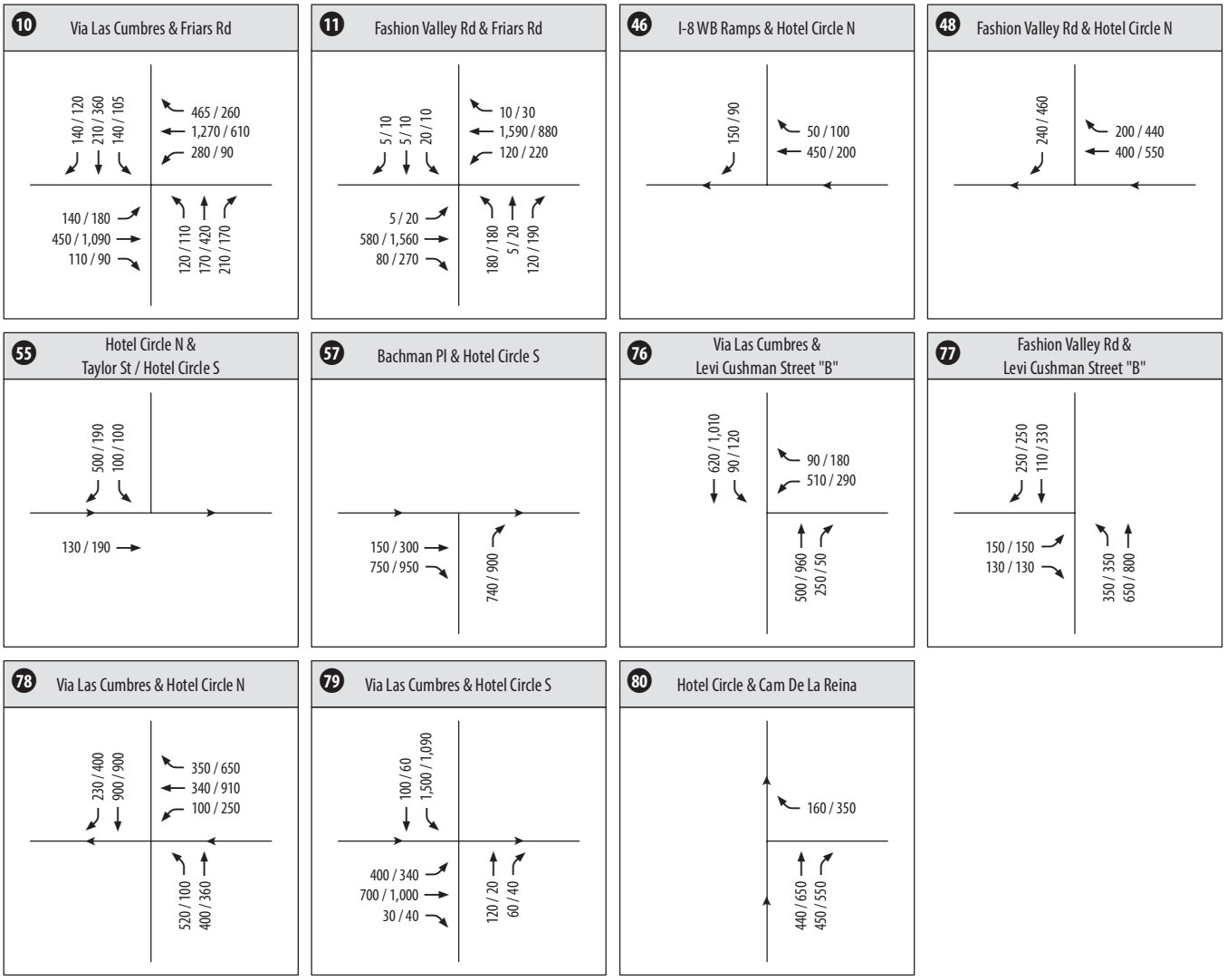
Two-Lane Via Las Cumbres Alternative intersection geometrics are presented in Figure 6-2, while forecast AM and PM peak hour turning movements are displayed in Figure 6-3, and midday turning movements in Figure 6-4.

AM and PM peak hour and midday LOS analysis results, as well as potential traffic impact associated with this alternative are provided in Table 6.2. Signal timing was assumed to be optimized under Two-Lane Via Las Cumbres Alternative conditions. Intersection LOS calculation worksheets are provided in Appendix L.



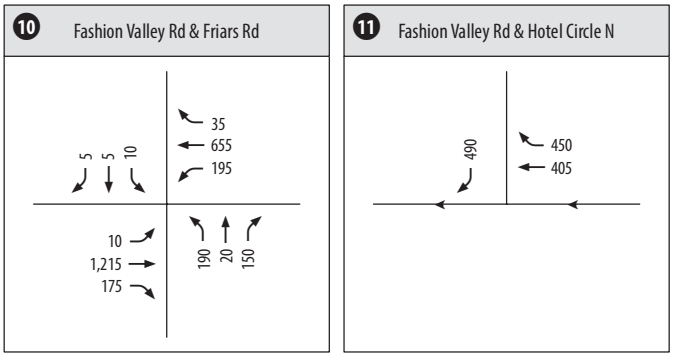
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Figure 6-2
Intersection Geometrics - Two-Lane Via Las Cumbres Alternative
(Intersections 10, 11, 46, 48, 55, 57 and 76-80)



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Figure 6-3
AM/PM Peak Hour Intersection Volumes -
Two-Lane Via Las Cumbres Alternative (Intersections 10, 11, 46, 48, 55, 57 and 76-80)



Legend

- X — Study Intersection
- Turn Movements
- MID — Peak Hour Volumes
- One-Way Roadway

*Names of North-South cross-streets always listed first

NORTH
NOT TO SCALE

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Figure 6-4
Midday Peak Hour Intersection Volumes - Two-Lane Via Las Cumbres Alternative (Intersections 11 and 48)

Table 7.2 Peak Hour Intersection LOS and Delay Results – Two-Lane Via Las Cumbres

Intersection	Control	Two-Lane Via Las Cumbres						Existing			
		AM Peak		PM Peak		Midday Peak		AM / PM / Midday	AM / PM / Midday	AM / PM / Midday	
		Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Avg. Delay (sec.)	LOS	Δ Avg. Delay (sec.)	SI ?
10: Via Las Cumbres / Friars Road	Signal	49.7	D	50.1	D	-	-	16.5 / 20.8 / -	B / C / -	33.2 / 29.3 / -	N
11: Fashion Valley Road / Friars Road	Signal	30.0	C	60.1	**E**	29.9	C	22.0 / 51.3 / 12.0	C / D / B	8.0 / 8.8 / 17.9	**Y**
46: I-8 WB Ramps / Hotel Circle North (W)	Signal	1.3	A	3.7	A	-	-	6.6 / 6.6 / -	A / A / -	5.3 / 2.9 / -	N
48: Fashion Valley Road / Hotel Circle North	Signal	35.6	D	27.8	C	21.0	C	10.0 / 16.2 / 11.5	A / B / B	25.6 / 11.6 / 9.5	N
55: Hotel Circle North / Taylor Street/Hotel Circle South	AWSC	2.3	A	2.0	A	-	-	34.2 / 43.1 / -	D / E / -	-31.9 / -41.1 / -	N
57: Bachman Place / Hotel Circle South	Signal	7.4	A	10.2	B	-	-	22.9 / 19.5 / -	C / B / -	-15.5 / -9.3 / -	N
74: Fashion Valley Road / Riverwalk Drive	Signal	34.3	C	94.5	**F**	-	-		Does Not Exist		**Y**
76: Via Las Cumbres & Levi Cushman Street "B"	Signal	16.4	B	13.5	B	-	-		Does Not Exist		N
77: Fashion Valley Road & Levi Cushman Street "B"	Signal	23.7	C	22.1	C	-	-		Does Not Exist		N
78: Via Las Cumbres & Hotel Circle North	Signal	43.3	D	52.1	D	-	-		Does Not Exist		N
79: Via Las Cumbres & Hotel Circle South	Signal	50.7	D	49.3	D	-	-		Does Not Exist		N
80: Hotel Circle South & Camino De La Reina	Signal	3.4	A	3.4	A	-	-		Does Not Exist		N

As shown in the table and based on the significant impact criteria outlined in Chapter 2, implementation of the CPU land uses and Two-Lane Via Las Cumbres Alternative would result in operations at LOS E or F, and significant impacts to the following intersections for the 12 focused intersections, as noted in **bold**:

- **11: Fashion Valley Road / Friars Road (PM LOS E, Δ in Delay 8.8)**
- **74: Fashion Valley Road & Riverwalk Drive (PM LOS F, Δ in Delay 94.5)** – also impacted under the Four-Lane Via Las Cumbres Alternative in Chapter 5

The Four-Lane Via Las Cumbres Alternative and the Two-Lane Via Las Cumbres Alternative share very similar forecast traffic volumes outside of the 12 intersections presented in Table 6.2. Therefore, the following intersections identified as significantly impacted by the CPU land uses and Four-Lane Via Las Cumbres Alternative will also be impacted under this scenario:

- **3: I-805 SB Ramps / Phyllis Place**
- **4: I-805 NB Ramps / Phyllis Place**
- **24: Mission Village Drive / Friars Road WB Ramps**
- **25: Mission Village Drive / Friars Road EB Ramps**
- **27: I-15 NB Ramps / Friars Road**
- **40: Mission Center Road / Camino De La Reina**
- **45: Fairmount Avenue / Camino Del Rio North/I-8 WB Off-Ramp**
- **50: I-8 WB Ramps/Mission Valley Mall Driveway / Camino Del Rio North**
- **52: Qualcomm Way / Camino Del Rio N/I-8 WB Ramps**
- **58: Mission Center Road / I-8 EB Ramps**
- **61: Texas Street / Camino Del Rio South**
- **67: Texas Street / Madison Avenue**

Three additional intersections were identified as operating at LOS E under CPU land uses and Four-Lane Via Las Cumbres Alternative conditions, however, they were not identified as significantly impacted due to the minor changes in delay. These intersections will continue to operate at LOS E, yet not impacted, including:

- 2: I-5 NB Ramps / Sea World Drive / Tecolote Road
- 23: Northside Drive / Friars Road
- 59: Mission Center Road / Camino Del Rio South

6.3 Freeway Segment Analysis

The freeway analysis includes the freeway improvements identified in Chapter 4, derived from the Revenue Constrained scenario of SANDAG's *San Diego Forward: The Regional Plan* (2015), the currently adopted regional transportation plan, and are anticipated to be implemented 2050.

Table 6.3a and **Table 6.3b** present the Two-Lane Via Las Cumbres Alternative freeway segment LOS results for study segments during the AM and PM peak periods, respectively. These tables also identify the potential traffic impacts associated with the CPU land uses and Two-Lane Via Las Cumbres Alternative. HCS freeway segment analysis worksheets are provided in **Appendix M**.

Table 6.3a Freeway Segment Level of Service Results – Two-Lane Via Las Cumbres Alternative AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	44.4%	7.8%	1.0%	74,000	2,644	69.5	20.1	C	70.0	A	-0.5	N
		WB	2M	55.6%	7.2%	1.0%		2,894	68.7	22.2	C	70.0	A	-1.3	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	44.2%	7.7%	1.2%	115,000	4,196	69.1	21.4	C	70.0	B	-0.9	N
		WB	3M+1A	55.8%	7.1%	1.2%		4,444	68.4	22.9	C	69.6	C	-1.2	N
	I-5 Interchange to Morena Boulevard	EB	3M	31.7%	7.8%	2.8%	178,000	6,141	58.9	36.9	**E**	70.0	B	-11.1	**Y**
		WB	4M	68.3%	6.8%	2.8%		7,114	64.4	29.4	D	69.6	C	-5.2	N
	Morena Boulevard to Taylor Street	EB	4M+1A	31.7%	7.8%	2.8%	231,000	7,965	60.3	35.1	**E**	70.0	B	-9.7	**Y**
		WB	5M	68.3%	6.8%	2.8%		9,228	63.3	31.0	D	68.2	C	-4.9	N
	Taylor Street to Hotel Circle	EB	4M	31.7%	7.8%	2.8%	205,000	7,078	64.4	29.4	D	70.0	B	-5.6	N
		WB	4M+1A	68.3%	6.8%	2.8%		8,199	58.6	37.4	**E**	61.3	D	-2.7	**Y**
	Hotel Circle to SR-163 Interchange	EB	4M+2A	31.7%	7.8%	2.8%	222,000	7,654	64.2	25.4	C	65.0	B	-0.8	N
		WB	5M	68.3%	6.8%	2.8%		8,866	61.6	30.7	D	63.4	D	-1.8	N
	SR-163 Interchange to Mission Center Road	EB	4M	31.7%	7.8%	3.2%	192,000	6,617	66.3	26.5	D	70.0	B	-3.7	N
		WB	3M+2A	68.3%	6.8%	3.2%		7,665	59.2	34.5	D	55.0	**E**	4.2	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	31.7%	7.8%	3.2%	249,000	8,568	54.2	41.9	**E**	65.0	C	-10.8	**Y**
		WB	4M+1A	68.3%	6.8%	3.2%		9,926	43.5	60.5	**F**	50.9	**F**	-7.4	**Y**
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	43.0%	7.8%	3.2%	177,000	6,082	64.4	24.9	C	62.4	D	2.0	N
		WB	4M+1A	57.0%	6.8%	3.2%		7,046	62.0	30.0	D	57.6	**E**	4.4	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	31.7%	7.8%	3.0%	258,000	8,871	64.0	30.0	D	70.0	B	-6.0	N
		WB	4M+2A	68.3%	6.8%	3.0%		10,276	57.8	38.5	**E**	61.5	D	-3.7	**Y**
	I-15 Interchange to Fairmount Ave	EB	4M	32.0%	7.7%	3.5%	228,000	7,411	62.8	31.7	D	69.9	C	-7.1	N
		WB	4M+2A	68.0%	7.4%	3.5%		9,424	62.1	32.6	D	64.3	D	-2.2	N
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	54.0%	7.6%	3.4%	243,000	10,478	62.6	31.9	D	64.4	D	-1.8	N
		SB	4M+2A	46.0%	7.1%	3.4%		7,810	69.0	21.6	C	52.5	**F**	16.5	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	54.0%	7.6%	4.1%	245,000	10,564	39.0	72.7	**F**	54.6	**E**	-15.6	**Y**
		SB	5M	46.0%	7.1%	4.1%		7,874	67.2	25.1	C	52.8	**F**	14.4	N
SR-163	Genesee Avenue to Friars Road	NB	5M	57.0%	8.8%	3.7%	213,000	10,924	54.6	43.2	**E**	63.1	D	-8.5	**Y**
		SB	4M	43.0%	8.4%	3.7%		7,316	63.1	31.2	D	67.6	C	-4.5	N

Table 6.3a Freeway Segment Level of Service Results – Two-Lane Via Las Cumbres Alternative AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	45.1%	7.9%	3.7%	180,000	7,098	49.4	51.2	**F**	65.3	D	-15.9	**Y**
		SB	4M+2A	54.9%	7.8%	3.7%		7,359	68.4	23.0	C	69.8	C	-1.4	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	45.1%	7.9%	3.0%	192,000	7,554	43.9	61.4	**F**	63.7	D	-19.8	**Y**
		SB	3M+2A	54.9%	7.8%	3.0%		7,830	60.6	34.6	D	66.3	D	-5.7	N
	6th Avenue to Washington Street	NB	3M	45.1%	7.9%	3.0%	159,000	6,277	57.5	39.0	**E**	68.5	C	-11.0	**Y**
		SB	2M+1A	54.9%	7.8%	3.0%		6,507	9.5	365.1	**F**	39.1	**F**	-29.6	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	69.9%	7.6%	6.5%	266,000	14,917	33.5	88.7	**F**	53.2	**F**	-19.7	**Y**
		SB	5M	30.1%	8.1%	6.5%		6,411	69.9	18.3	C	70.0	B	-0.1	N
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	74.6%	5.9%	6.5%	257,000	11,575	56.7	40.0	**E**	63.1	D	-6.4	**Y**
		SB	4M+2A	25.4%	8.4%	6.5%		5,255	70.0	14.4	B	70.0	B	0.0	N
	I-8 Interchange to Adams Avenue	NB	4M+1A	74.6%	5.9%	6.5%	254,000	11,418	40.6	68.8	**F**	50.0	**F**	-9.4	**Y**
		SB	6M	25.4%	8.4%	6.5%		5,184	70.0	12.1	B	70.0	A	0.0	N
	Adams Avenue to El Cajon Boulevard	NB	4M	74.6%	5.9%	6.5%	225,000	10,128	40.6	68.8	**F**	56.8	**E**	-16.2	**Y**
		SB	5M+1A	25.4%	8.4%	6.5%		4,598	70.0	12.7	B	70.0	B	0.0	N
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	60.5%	7.7%	5.0%	258,000	12,374	26.3	119.4	**F**	42.3	**F**	-16.0	**Y**
		SB	5M+1A+2ML	39.5%	7.5%	5.0%		8,086	67.7	24.2	C	69.4	C	-1.7	N
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	273,000	10,370	58.3	37.8	**E**	64.5	D	-6.2	**Y**
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		11,157	55.3	40.3	**E**	63.0	D	-7.7	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	228,000	8,786	55.2	42.2	**E**	63.0	D	-7.8	**Y**
		SB	5M	48.5%	8.2%	2.2%		9,318	63.0	31.4	D	69.0	C	-6.0	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	218,000	8,374	57.9	38.4	**E**	64.2	D	-6.3	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		8,881	64.5	29.2	D	69.3	C	-4.8	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] HVF = Heavy Vehicle Factor.

Table 6.3b Freeway Segment Level of Service Results – Two-Lane Via Las Cumbres Alternative PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	55.6%	7.8%	1.0%	74,000	3,307	66.5	26.3	D	70.0	A	-3.5	N
		WB	2M	44.4%	7.2%	1.0%		2,314	70.0	17.5	B	70.0	A	0.0	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	54.8%	7.7%	1.2%	115,000	5,079	65.9	27.2	D	68.3	C	-2.4	N
		WB	3M+1A	45.2%	7.1%	1.2%		3,671	69.9	18.5	C	70.0	B	-0.1	N
	I-5 Interchange to Morena Boulevard	EB	3M	57.0%	7.8%	2.8%	178,000	8,130	37.1	77.6	**F**	60.0	**E**	-22.9	**Y**
		WB	4M	43.0%	6.8%	2.8%		5,373	69.4	20.6	C	70.0	B	-0.6	N
	Morena Boulevard to Taylor Street	EB	4M+1A	57.0%	7.8%	2.8%	231,000	10,546	40.3	69.6	**F**	56.5	**F**	-16.2	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,970	69.1	21.4	C	70.0	B	-0.9	N
	Taylor Street to Hotel Circle	EB	4M	57.0%	7.8%	2.8%	205,000	9,371	50.2	49.9	**F**	54.3	**E**	-4.1	**Y**
		WB	4M+1A	43.0%	6.8%	2.8%		6,193	67.6	24.5	C	68.5	C	-0.9	N
	Hotel Circle to SR-163 Interchange	EB	4M+2A	57.0%	7.8%	2.8%	222,000	10,133	56.8	38.1	**E**	60.1	D	-3.3	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,697	65.0	22.0	C	65.0	C	0.0	N
	SR-163 Interchange to Mission Center Road	EB	4M	57.0%	7.8%	3.2%	192,000	8,760	55.2	42.3	**E**	48.6	**F**	6.6	N
		WB	3M+2A	43.0%	6.8%	3.2%		5,789	64.7	23.8	C	63.8	D	0.9	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	57.0%	7.8%	3.2%	249,000	11,344	28.4	105.7	**F**	39.5	**F**	-11.1	**Y**
		WB	4M+1A	43.0%	6.8%	3.2%		7,497	60.1	33.1	D	62.2	D	-2.1	N
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	57.0%	7.8%	3.2%	177,000	8,053	57.6	36.9	**E**	50.1	**F**	7.5	N
		WB	4M+1A	43.0%	6.8%	3.2%		5,322	65.0	21.6	C	64.4	C	0.6	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	57.0%	7.8%	3.0%	258,000	11,744	49.0	51.9	**F**	54.7	**E**	-5.7	**Y**
		WB	4M+2A	43.0%	6.8%	3.0%		7,762	67.3	25.0	C	68.6	C	-1.3	N
	I-15 Interchange to Fairmount Ave	EB	4M	59.2%	7.7%	3.5%	228,000	10,771	36.8	78.5	**F**	43.5	**F**	-6.7	**Y**
		WB	4M+2A	40.8%	7.4%	3.5%		6,484	69.6	20.0	C	69.9	C	-0.3	N
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	40.5%	7.6%	3.4%	243,000	8,926	67.1	25.4	C	69.9	C	-2.8	N
		SB	4M+2A	59.5%	7.1%	3.4%		9,169	66.5	26.3	D	67.7	C	-1.2	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	40.5%	7.6%	4.1%	245,000	8,999	52.9	45.6	**F**	68.1	C	-15.2	**Y**
		SB	5M	59.5%	7.1%	4.1%		9,243	62.9	31.6	D	67.7	C	-4.8	N
SR-163	Genesee Avenue to Friars Road	NB	5M	48.4%	8.8%	3.7%	213,000	8,231	66.2	26.8	D	65.1	D	1.1	N
		SB	4M	51.6%	8.4%	3.7%		9,710	46.7	56.0	**F**	58.6	**E**	-11.9	**Y**

Table 6.3b Freeway Segment Level of Service Results – Two-Lane Via Las Cumbres Alternative PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	50.9%	7.9%	3.7%	180,000	7,359	46.5	56.4	**F**	57.6	**E**	-11.1	**Y**
		SB	4M+2A	49.1%	7.8%	3.7%		7,098	68.8	22.1	C	69.9	C	-1.1	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	50.9%	7.9%	3.0%	192,000	7,830	40.4	69.3	**F**	54.6	**E**	-14.2	**Y**
		SB	3M+2A	49.1%	7.8%	3.0%		7,554	62.1	32.6	D	67.1	C	-5.0	N
	6th Avenue to Washington Street	NB	3M	50.9%	7.9%	3.0%	159,000	6,507	55.4	41.9	**E**	64.5	D	-9.1	**Y**
		SB	2M+1A	49.1%	7.8%	3.0%		6,277	15.9	211.6	**F**	42.7	**F**	-26.8	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	35.5%	7.6%	6.5%	266,000	6,411	69.9	18.3	C	69.8	C	0.1	N
		SB	5M	64.5%	8.1%	6.5%		14,917	33.5	88.7	**F**	53.2	**F**	-19.7	**Y**
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	37.3%	5.9%	6.5%	257,000	3,941	70.0	11.0	B	70.0	B	0.0	N
		SB	4M+2A	62.7%	8.4%	6.5%		15,433	31.4	96.4	**F**	46.3	**F**	-14.9	**Y**
	I-8 Interchange to Adams Avenue	NB	4M+1A	25.4%	5.9%	6.5%	254,000	3,888	70.0	13.6	B	70.0	B	0.0	N
		SB	6M	74.6%	8.4%	6.5%		15,224	50.9	48.7	**F**	57.6	**E**	-6.7	**Y**
	Adams Avenue to El Cajon Boulevard	NB	4M	37.3%	5.9%	6.5%	225,000	3,448	70.0	11.9	B	69.7	C	0.3	N
		SB	5M+1A	62.7%	8.4%	6.5%		13,504	47.2	55.2	**F**	52.8	**F**	-5.6	**Y**
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	39.2%	7.7%	5.0%	258,000	8,086	61.6	33.3	D	66.2	D	-4.6	N
		SB	5M+1A+2ML	60.8%	7.5%	5.0%		12,374	50.0	50.3	**F**	58.5	**E**	-8.5	**Y**
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	273,000	11,157	57.8	38.6	**E**	66.1	D	-8.3	**Y**
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		10,520	58.1	36.2	**E**	63.9	D	-5.8	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	228,000	9,318	51.3	48.2	**F**	64.9	D	-13.6	**Y**
		SB	5M	48.5%	8.2%	2.2%		8,786	64.9	28.7	D	69.5	C	-4.6	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	218,000	8,881	54.5	43.3	**E**	65.8	D	-11.3	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		8,374	66.1	26.9	D	69.7	C	-3.6	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] HVF = Heavy Vehicle Factor.

As shown, the following 33 directional mainline freeway segments are projected to operate at LOS E or F under CPU land uses and Two-Lane Via Las Cumbres Alternative conditions. Based on the significant impact criteria outlined in Chapter 2, implementation of the CPU land uses and Two-Lane Via Las Cumbres Alternative would result in a significant impact on 32 of those directional segments, as noted in **bold**:

- **I-8 EB, I-5 Interchange to Morena Boulevard (AM LOS E, Δ in Speed -11.1; PM LOS F, Δ in Speed -22.9)**
- **I-8 EB, Morena Boulevard to Taylor Street (AM LOS E, Δ in Speed -9.7; PM LOS F, Δ in Speed -16.2)**
- **I-8 EB, Taylor Street to Hotel Circle (PM LOS F, Δ in Speed -4.1)**
- **I-8 WB, Taylor Street to Hotel Circle (AM LOS E, Δ in Speed -2.7)**
- **I-8 EB, Hotel Circle to SR-163 Interchange (PM LOS E, Δ in Speed -3.3)**
- I-8 EB, SR-163 Interchange to Mission Center Road (PM LOS E, Δ in Speed 6.6) – not impacted
- **I-8 EB, Mission Center Road to Qualcomm Way / Texas Street (AM LOS E, Δ in Speed -10.8; PM LOS F, Δ in Speed -11.1)**
- **I-8 WB, Mission Center Road to Qualcomm Way / Texas Street (AM LOS F, Δ in Speed -7.4)**
- **I-8 EB, Qualcomm Way / Texas Street to I-805 Interchange (PM LOS E, Δ in Speed 7.5) – not impacted**
- **I-8 EB, I-805 Interchange to I-15 Interchange (PM LOS F, Δ in Speed -5.7)**
- **I-8 WB, I-805 Interchange to I-15 Interchange (AM LOS E, Δ in Speed -3.7)**
- **I-8 EB, I-15 Interchange to Fairmount Ave (PM LOS F, Δ in Speed -6.7)**
- **I-5 NB, I-8 Interchange to Old Town Avenue (AM LOS F, Δ in Speed -15.6; PM LOS F, Δ in Speed -15.2)**
- **SR-163 NB, Genesee Avenue to Friars Road (AM LOS E, Δ in Speed -8.5)**
- **SR-163 SB, Genesee Avenue to Friars Road (PM LOS F, Δ in Speed -11.9)**
- **SR-163 NB, Friars Road to I-8 Interchange (AM LOS F, Δ in Speed -15.9; PM LOS F, Δ in Speed -11.1)**
- **SR-163 NB, I-8 Interchange to 6th Avenue (AM LOS F, Δ in Speed -19.8; PM LOS F, Δ in Speed -14.2)**
- **SR-163 NB, 6th Avenue to Washington Street (AM LOS E, Δ in Speed -11.0; PM LOS E, Δ in Speed -9.1)**
- **SR-163 SB, 6th Avenue to Washington Street (AM LOS F, Δ in Speed -29.6; PM LOS F, Δ in Speed -26.8)**
- **I-805 NB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (AM LOS F, Δ in Speed -19.7)**
- **I-805 SB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (PM LOS F, Δ in Speed -19.7)**
- **I-805 NB, Murray Ridge Road / Phyllis Place to I-8 Interchange (AM LOS E, Δ in Speed -6.4)**
- **I-805 SB, Murray Ridge Road / Phyllis Place to I-8 Interchange (PM LOS F, Δ in Speed -14.9)**
- **I-805 NB, I-8 Interchange to Adams Avenue (AM LOS F, Δ in Speed -9.4)**
- **I-805 SB, I-8 Interchange to Adams Avenue (PM LOS F, Δ in Speed -6.7)**
- **I-805 NB, Adams Avenue to El Cajon Boulevard (AM LOS F, Δ in Speed -16.2)**
- **I-805 SB, Adams Avenue to El Cajon Boulevard (PM LOS F, Δ in Speed -5.6)**
- **I-15 NB, Aero Drive to Friars Road (AM LOS F, Δ in Speed -16.0)**
- **I-15 SB, Aero Drive to Friars Road (PM LOS F, Δ in Speed -8.5)**
- **I-15 NB, Friars Road to I-8 (AM – LOS E, Δ in Speed -6.2, PM LOS E, Δ in Speed -8.3)**
- **I-15 SB, Friars Road to I-8 (AM LOS E, Δ in Speed -7.7; PM LOS E, Δ in Speed -5.8)**
- **I-15 NB, I-8 to Adams Avenue (AM LOS E, Δ in Speed -7.8; PM LOS F, Δ in Speed -13.6)**
- **I-15 NB, Adams Avenue to El Cajon Boulevard (AM LOS E, Δ in Speed -6.3; PM LOS E, Δ in Speed -11.3)**

6.4 Significant Impacts and Mitigation Measures

This chapter identifies recommended mitigation measures for intersection and roadway facilities that would be significantly impacted through implementation of the CPU land uses and Two-Lane Via Las Cumbres Alternative. Mitigated intersection analysis worksheets are provided in Appendix N.

6.4.1 Roadway Mitigation Measures

As noted at the beginning of this chapter, the Two-Lane Via Las Cumbres Alternative is similar to the Four-Lane Via Las Cumbres Alternative. As in the previous section, the impacts roadway segments and mitigations under this alternative will be identical to those disclosed in Chapter 5, the Four-Lane Via Las Cumbres Alternative.

6.4.2 Intersection Mitigation Measures

As stated in Section 6.2, the Two-lane Via Las Cumbres Alternative only evaluated 12intersections, which are located adjacent to the Via Las Cumbres extension. As such, the Two-lane Via Las Cumbres Alternative would be responsible for mitigation the mitigation identified below for the intersection of Fashion Valley Road / Friars Road, as well as those identified in Section 5.5.2 (Four-Lane Via Las Cumbres Alternative mitigation measures).

11. *Fashion Valley Road & Friars Road (LOS E: PM Peak Hour)* – The eastbound through, northbound left, westbound left, and westbound through are projected to be over capacity under the implementation of the CPU land uses and Two-lane Via Las Cumbres Alternative. Implementing the following improvement would allow the intersection to operate at LOS D or better during both peak hours.

    - Widen the eastbound approach to construct an additional eastbound through lane.

    The identified significant traffic related impact to this intersection would be fully mitigated with the implementation of this improvement. *However, this mitigation measure is not recommended. There is insufficient right-of-way available along the westbound approach to accommodate the additional travel lane. In addition, the widening would be inconsistent with City policies promoting active transportation and the City of Villages growth strategy, and would obstruct the City's efforts to achieve Climate Action Plan (CAP) active transportation mode share goals. Therefore, this impact would remain significant and unavoidable with the implementation of the Two-Lane Via Las Cumbres.*

6.4.3 Freeway Segment Mitigation Measures

The CPU land uses and Two-Lane Via Las Cumbres Alternative impact to freeway segments are the same as those identified in the Four-lane Via Las Cumbres Alternative. Therefore, mitigation measures identified in Chapter 5, the Four-lane Via Las Cumbres Alternative are applicable toward the Two-Lane Via Las Cumbres Alternative.

6.4.4 Ramp Meter Mitigation Measures

Since the Two-Lane Via Las Cumbres Alternative traffic volumes are similar to the Four-lane Via Las Cumbres Alternative, all significant impacts and mitigation measures identified in Chapter 5, the Four-lane Via Las Cumbres Alternative are applicable toward the Two-Lane Via Las Cumbres Alternative.

7.0 Cross-Valley Connection Alternative

This chapter discusses the traffic operations under the Cross-Valley Connection Alternative and assesses potential traffic impacts by comparing this alternative to existing conditions.

The Cross-Valley Connection Alternative land uses and mobility network are similar to those analyzed under the Four-Lane and Two-Lane Via Las Cumbres alternatives, with the following exceptions:

- A new road (Street "J") will be constructed connecting Friars Road to Hotel Circle South in place of Via Las Cumbres. This new road will be constructed with two travel lanes, a painted median and Class II buffered bicycle lanes. This alternative provides for crossing under the MTS trolley tracks (in a manner similar to how Qualcomm Way and Mission Center Road cross under Friars Road), which eliminates the need for an elevated roadway within the core of the Mission Valley community. Like the Four-Lane and Two-Lane Via Las Cumbres alternatives, this alternative would require a bridge over the San Diego River, constructed to allow for the 100-year flood event.
- Designate Via Las Cumbres from Friars Road to the proposed southern terminus just north of the trolley tracks as a Two-Lane Collector – it is anticipated that this road would carry approximately 5,000 ADT.

Aside from road alignment of the new connection and engineering design, this alternative essentially is the same as the Two-Lane Via Las Cumbres Alternative from a traffic impact assessment perspective since both alternatives provide a single two-lane connection from Friars Road to Hotel Circle South. The only differences between these two alternatives are the two intersections at Friars Road, one at Via Las Cumbres and the other at Street "J". Traffic that utilizes the Via Las Cumbres and Friars Road intersection in the Two-Lane Via Las Cumbres Alternative would, in this Cross-Valley Connection Alternative, have the option to use one of two intersections to access destinations, thus reducing traffic volumes at the Via Las Cumbres intersection and maintaining or improving traffic operations at that intersection. The Via Las Cumbres and Friars Road intersection was project to operate at LOS D during the peak hours, based on engineering judgement and the understanding of traffic signal operations, it can be concluded the both Via Las Cumbres /Friars Road and Street "J" / Friars Road intersections would operate at LOS D or better under the Cross-Valley Connection Alternative.

7.1 Traffic Operations

Based on discussion above, traffic operations (roadway segment, intersection, freeway segment) under the Cross-Valley Connection Alternative would be the same as those presented under the Two-Lane Via Las Cumbres Alternative.

7.2 Significant Impacts and Mitigation Measures

Significant traffic impacts and mitigation measures identified in the Two-lane Via Las Cumbres Alternative are applicable toward the Cross-Valley Connection Alternative.

8.0 No-Connection Alternative

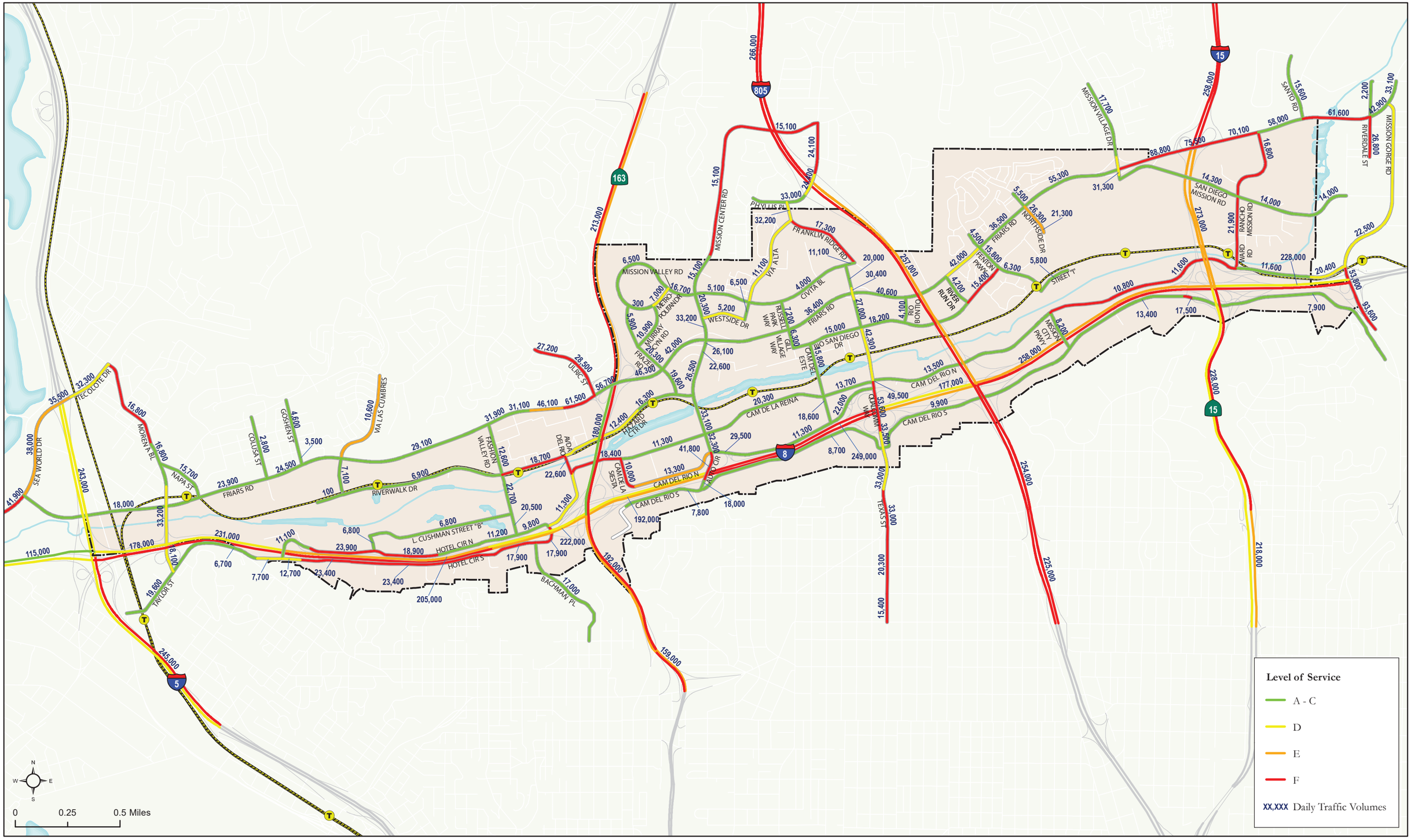
This chapter discusses the traffic operations under the No-Connection Alternative and assesses potential traffic impacts by comparing the No-Connection Alternative to the existing conditions. Roadway and freeway segments were evaluated in determining traffic impacts associated with the No-Connection Alternative. Since this is not an alternative for possible adoption, intersection-level analysis was not conducted and mitigation measures were also not provided.

The No-Connection Alternative land use and network are similar to the CPU land uses and Four-Lane Via Las Cumbres Alternative network with the following exceptions:

- No Via Las Cumbres or Cross Valley connection between Riverwalk Drive and Levi Cushman Street "B".
- Implementation of the I-8 Corridor Concept Alternative 3A Phase I only - construction of slip ramps and removal of existing ramps along Hotel Circle North and Hotel Circle South. No Via Las Cumbres bridge across I-8 between Hotel Circle North and Hotel Circle South.
- No Fenton Parkway connection between New Street "I" and Camino Del Rio North.

8.1 Roadway Segment Analysis

The roadway segment analysis was conducted for the No-Connection Alternative roadway classifications. Figure 8-1 and Table 8.1 display the projected ADT volumes and associated roadway LOS under No-Connection Alternative conditions. Table 8.1 also identifies any potential traffic impacts associated with the No-Connection Alternative when comparing to the existing conditions.



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Figure 8-1
Daily Roadway Segment Traffic Volumes and Level of Service - No Connection Alternative

Table 8.1 Roadway Segment Analysis – No Connection Alternative

Roadway	Segment	No Connection Alternative					Existing				Δ V/C	SI?
		Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS		
Phyllis Place	Franklin Ridge Road to I-805 SB Ramps	5-Ln Major Arterial	45,000	33,000	0.733	C	2-Ln Collector w/o TWLTL	2,270	0.284	A	0.449	N
Sea World Drive	Mission Bay Parkway to Friars Road	4-Ln Major Arterial	40,000	41,900	1.048	**F**	4-Ln Major Arterial	34,200	0.855	D	0.193	**Y**
Sea World Drive	Friars Road to I-5 SB Ramps	4-Ln Major Arterial	40,000	38,000	0.950	**E**	4-Ln Major Arterial	29,490	0.737	C	0.213	**Y**
Tecolote Road	I-5 SB Ramps and I-5 NB Ramps	4-Ln Major Arterial	40,000	35,500	0.888	**E**	4-Ln Major Arterial	30,470	0.762	D	0.126	Y
Tecolote Road	I-5 NB Ramps to Morena Boulevard	4-Ln Major Arterial	40,000	32,300	0.808	D	4-Ln Major Arterial	22,410	0.560	C	0.248	N
Mission Valley Road	Frazee Road to Metropolitan Drive (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	6,500	0.650	C	2-Ln Collector w/ TWLTL	7,440	0.496	A	0.154	N
Mission Valley Road	Metropolitan Drive to Mission Center Road (east of loop)	4-Ln Major Arterial	40,000	16,700	0.418	B	4-Ln Major Arterial	7,440	0.186	A	0.232	N
Civita Boulevard	Mission Center Road to Via Alta	4-Ln Major Arterial	40,000	5,100	0.128	A	4-Ln Major Arterial	2,480	0.062	A	0.066	N
Civita Boulevard	Via Alta to Qualcomm Way	4-Ln Major Arterial	40,000	4,000	0.100	A	4-Ln Major Arterial	2,480	0.062	A	0.038	N
Civita Boulevard	Qualcomm Way to Franklin Ridge Road	4-Ln Major Arterial	40,000	11,100	0.278	A	4-Ln Major Arterial	2,480	0.062	A	0.216	N
Westside Drive	Mission Center Road to Via Alta	2-Ln Collector w/o TWLTL	8,000	5,200	0.650	D	2-Ln Collector w/o TWLTL	4,070	0.508	C	0.142	N
Friars Road	Sea World Drive to Napa Street	4-Ln Major Arterial	40,000	18,000	0.450	B	4-Ln Major Arterial	13,650	0.341	A	0.109	N
Friars Road	Napa Street to Colusa Street	4-Ln Major Arterial	40,000	23,900	0.598	C	4-Ln Major Arterial	19,170	0.479	B	0.119	N
Friars Road	Colusa Street to Via Las Cumbres	4-Ln Major Arterial	40,000	24,500	0.613	C	4-Ln Major Arterial	19,200	0.480	B	0.133	N
Friars Road	Via Las Cumbres to Fashion Valley Road	4-Ln Major Arterial	40,000	29,100	0.728	C	4-Ln Major Arterial	22,270	0.557	C	0.171	N
Friars Road	Fashion Valley Road to Via De La Moda	5-Ln Major Arterial (3 EB, 2 WB)	45,000	31,900	0.709	C	5-Ln Major Arterial (3 EB, 2 WB)	26,100	0.580	C	0.129	N

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Friars Road	Via De La Moda to Fashion Valley Driveway	5-Ln Major Arterial (3 EB, 2 WB)	45,000	31,100	0.691	C	5-Ln Major Arterial (3 EB, 2 WB)	25,920	0.576	C	0.115	N
Friars Road	Fashion Valley Driveway to Avenida De Las Tiendas	6-Ln Major Arterial	50,000	46,100	0.922	E	6-Ln Major Arterial	26,830	0.537	B	0.385	**Y**
Friars Road	Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps	6-Ln Major Arterial	50,000	61,500	1.230	**F**	6-Ln Major Arterial	40,510	0.81	D	0.420	**Y**
Friars Road	Ulric Street/SR-163 SB Ramps to SR-163 NB Ramps	8-Ln Prime Arterial	80,000	56,700	0.709	C	6-Ln Prime Arterial	53,170	0.886	D	-0.177	N
Friars Road	SR-163 NB Ramps to Frazee Road	8-Ln Prime Arterial	80,000	46,300	0.579	B	6-Ln Prime Arterial	54,150	0.902	D	-0.323	N
Friars Road	Frazee Road to Mission Center Road	8-Ln Prime Arterial	80,000	42,000	0.525	B	7-Ln Expressway	42,780	0.458	B	0.067	N
Friars Road	Mission Center Road to Qualcomm Way	6-Ln Expressway	80,000	36,400	0.455	B	6-Ln Expressway	37,050	0.463	B	-0.008	N
Friars Road	Qualcomm Way to River Run Drive	6-Ln Expressway	80,000	40,600	0.508	B	6-Ln Expressway	33,250	0.416	B	0.092	N
Friars Road	River Run Drive to Fenton Parkway	6-Ln Major Arterial	50,000	42,000	0.840	D	6-Ln Prime Arterial	22,080	0.368	A	0.472	N
Friars Road	Fenton Parkway to Northside Drive	6-Ln Major Arterial	50,000	36,500	0.730	C	6-Ln Prime Arterial	28,430	0.474	B	0.256	N
Friars Road	Northside Drive to Mission Village Drive	6-Ln Expressway	80,000	55,300	0.691	C	6-Ln Expressway	45,330	0.567	C	0.124	N
Friars Road	Mission Village Drive to I-15 SB Ramps	6-Ln Expressway	80,000	88,800	1.110	**F**	6-Ln Expressway	57,740	0.722	C	0.388	**Y**
Friars Road	I-15 SB Ramps to I-15 NB Ramps	6-Ln Prime Arterial	60,000	75,500	1.258	**F**	6-Ln Prime Arterial	46,570	0.776	C	0.482	**Y**
Friars Road	I-15 NB Ramps to Rancho Mission Road	7-Ln Prime Arterial[1]	70,000	70,100	1.001	**F**	7-Ln Prime Arterial	51,610	0.737	C	0.264	**Y**
Friars Road	Rancho Mission Road to Santo Road	7-Ln Prime Arterial[1]	70,000	58,000	0.829	C	7-Ln Prime Arterial	39,430	0.563	B	0.266	N

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Friars Road	Santo Road to Riverdale Street	6-Ln Prime Arterial	60,000	61,600	1.027	**F**	6-Ln Prime Arterial	43,380	0.723	C	0.304	**Y**
Friars Road	Riverdale Street to Mission Gorge Road	6-Ln Prime Arterial	60,000	42,900	0.715	C	6-Ln Prime Arterial	31,300	0.522	B	0.193	N
Mission Gorge Road	Friars Road to Zion Avenue	6-Ln Prime Arterial	60,000	33,100	0.552	B	6-Ln Prime Arterial	40,690	0.678	C	-0.126	N
Hazard Center Drive	Avenida Del Rio to Hazard Center W. Driveway	2-Ln Collector w/ TWLTL	15,000	12,400	0.827	D	Does Not Exist				0.827	N
Hazard Center Drive	Hazard Center W. Driveway to Mission Center Road	4-Ln Collector w/ TWLTL	30,000	16,300	0.543	C	4-Ln Collector w/ TWLTL	8,710	0.29	A	0.253	N
Rio San Diego Drive	Gill Village Way to Qualcomm Way	4-Ln Collector w/ TWLTL	30,000	15,000	0.500	C	4-Ln Collector w/ TWLTL	10,500	0.35	B	0.150	N
Rio San Diego Drive	Qualcomm Way to River Run Drive	4-Ln Major Arterial	40,000	18,200	0.455	B	4-Ln Major Arterial	11,280	0.282	A	0.173	N
Rio San Diego Drive	River Run Drive to Fenton Parkway	2-Ln Collector w/ TWLTL	15,000	15,400	1.027	**F**	4-Ln Collector w/ RM	9,090	0.303	A	0.724	**Y**
San Diego Mission Road	Friars Road EB Ramps to Rancho Mission Road	4-Ln Collector w/ TWLTL	30,000	14,300	0.477	C	4-Ln Collector w/o TWLTL	7,590	0.506	C	-0.029	N
San Diego Mission Road	Rancho Mission Road to 950' West of Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	14,000	0.467	B	2-Ln Collector w/ TWLTL	8,020	0.534	C	-0.067	N
San Diego Mission Road	950' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	14,000	0.467	B	2-Ln Collector w/o TWLTL (NFP)	8,020	0.802	D	-0.335	N
Taylor Street	Pacific Highway to Morena Boulevard	5-Ln Major Arterial (3 EB, 2 WB)	45,000	19,600	0.436	B	5-Ln Major Arterial (3 EB, 2 WB)	19,060	0.423	B	0.013	N
Taylor Street	Morena Boulevard to I-8 EB Ramps	2-Ln Collector w/ TWLTL	15,000	6,700	0.447	B	2-Ln Collector w/o TWLTL (NFP)	17,750	1.775	**F**	-1.328	N
Taylor Street	I-8 EB Ramps to Hotel Circle South	2-Ln Collector w/o TWLTL (NFP)	10,000	7,700	0.770	D	2-Ln Collector w/ TWLTL	14,410	0.961	**E**	-0.191	N
Hotel Circle North	Hotel Circle South to Fashion Valley Road	2-Ln Collector (one-way)	17,500	9,800	0.560	C	2-Ln Collector w/ TWLTL	12,460	0.831	D	-0.271	N

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Hotel Circle North	Fashion Valley Road to I-8 WB Off-Ramp	2-Ln Collector (one-way)	17,500	11,200	0.640	C	3-Ln Collector (2 EB, 1 WB)	15,510	1.41	**F**	-0.770	N
Hotel Circle North	I-8 WB Off-Ramp to Via Las Cumbres	2-Ln Collector (one-way)	17,500	18,900	1.080	**F**	2-Ln Collector w/ TWLTL	6,510	0.434	B	0.646	**Y**
Hotel Circle North	Via Las Cumbres to I-8 WB On-Ramp	2-Ln Collector (one-way)	17,500	23,900	1.366	**F**	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-0.168	N
Hotel Circle North	I-8 WB On-Ramp to Hotel Circle South	2-Ln Collector (one-way)	17,500	11,100	0.634	C	2-Ln Collector w/o TWLTL (NFP)	15,340	1.534	**F**	-0.900	N
Camino De La Reina	Hotel Circle North to Avenida Del Rio	2-Ln Collector w/ TWLTL	15,000	11,300	0.753	D	2-Ln Collector w/ TWLTL	8,480	0.566	C	0.187	N
Camino De La Reina	Avenida Del Rio to Camino De La Siesta	2-Ln Collector w/o TWLTL (NFP)	10,000	18,400	1.840	**F**	2-Ln Collector w/o TWLTL (NFP)	13,360	1.336	**F**	0.504	**Y**
Camino De La Reina	Camino De La Siesta to Mission Center Road	4-Ln Major Arterial	40,000	11,300	0.283	A	4-Ln Major Arterial	10,730	0.268	A	0.015	N
Camino De La Reina	Mission Center Road to Camino Del Este	4-Ln Major Arterial	40,000	20,300	0.508	B	4-Ln Major Arterial	18,530	0.463	B	0.044	N
Camino De La Reina	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	13,700	0.343	A	4-Ln Major Arterial	13,770	0.344	A	-0.001	N
Camino Del Rio North	Camino De La Siesta to Mission Center Road	2-Ln Collector w/ TWLTL	15,000	13,300	0.887	E	2-Ln Collector w/ TWLTL	5,430	0.362	B	0.525	**Y**
Camino Del Rio North	Mission Center Road to I-8 WB Ramps	4-Ln Major Arterial	40,000	29,500	0.738	C	4-Ln Major Arterial	24,030	0.601	C	0.137	N
Camino Del Rio North	I-8 WB Ramps to Camino Del Este	3-Ln Collector w/ TWLTL (1 EB, 2 WB)	22,500	11,300	0.502	C	3-Ln Collector w/ RM (1 EB, 2 WB)	11,910	0.529	C	-0.027	N
Camino Del Rio North	Camino Del Este to Qualcomm Way	4-Ln Major Arterial	40,000	22,000	0.550	C	4-Ln Major Arterial	12,180	0.305	A	0.245	N
Camino Del Rio North	Qualcomm Way to Mission City Parkway	4-Ln Major Arterial	40,000	13,500	0.338	A	4-Ln Major Arterial	10,590	0.265	A	0.073	N
Camino Del Rio North	Mission City Parkway to 1800' West of Ward Rd	2-Ln Collector w/o TWLTL (NFP)	10,000	10,800	1.080	**F**	2-Ln Collector w/o TWLTL (NFP)	8,080	0.808	D	0.272	**Y**
Camino Del Rio North	1800' West of Ward Road to Ward Road	2-Ln Collector w/o TWLTL (NFP)	10,000	11,600	1.160	**F**	2-Ln Collector w/o TWLTL (NFP)	8,920	0.892	D	0.268	**Y**

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Camino Del Rio North	Ward Road to 1000' West of Fairmount Avenue	4-Ln Major Arterial	40,000	11,600	0.290	A	4-Ln Major Arterial	11,830	0.296	A	-0.006	N
Camino Del Rio North	1000' West of Fairmount Avenue to Fairmount Avenue	4-Ln Collector w/ TWLTL	30,000	20,400	0.680	D	4-Ln Collector w/ TWLTL	13,470	0.449	B	0.231	N
Hotel Circle South	Taylor Street to I-8 EB Off-Ramp	2-Ln Collector (one-way)	17,500	12,700	0.726	D	2-Ln Collector w/o TWLTL (NFP)	12,010	1.201	**F**	-0.475	N
Hotel Circle South	I-8 EB Off-Ramp to Via Las Cumbres	2-Ln Collector (one-way)	17,500	23,400	1.337	**F**	2-Ln Collector w/ TWLTL	12,340	0.823	D	0.514	**Y**
Hotel Circle South	Via Las Cumbres to I-8 EB On-Ramp	2-Ln Collector (one-way)	17,500	23,400	1.337	**F**	2-Ln Collector w/ TWLTL	12,340	0.823	D	0.514	**Y**
Hotel Circle South	I-8 EB On-Ramp to Bachman Place	2-Ln Collector (one-way)	17,500	17,900	1.023	F	2-Ln Collector w/ TWLTL	17,200	1.146	**F**	-0.123	N
Hotel Circle South	Bachman Place to Hotel Circle North/Camino De La Reina	2-Ln Collector (one-way)	17,500	17,900	1.023	F	2-Ln Collector w/ TWLTL	15,580	1.038	**F**	-0.015	N
Camino Del Rio South	Western Terminus to Mission Center Road	2-Ln Collector w/ TWLTL	15,000	7,800	0.520	C	2-Ln Collector w/ w/o TWLTL	7,330	0.916	**E**	-0.396	N
Camino Del Rio South	Mission Center Road to Texas Street	2-Ln Collector w/ TWLTL	15,000	8,700	0.580	C	2-Ln Collector w/ w/o TWLTL	7,410	0.927	**E**	-0.347	N
Camino Del Rio South	Texas Street to Mission City Parkway	2-Ln Collector w/ TWLTL	15,000	9,900	0.660	C	2-Ln Collector w/ w/o TWLTL	8,140	1.018	**F**	-0.358	N
Camino Del Rio South	Mission City Parkway to I-15 SB Off-Ramp	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	22,500	13,400	0.596	C	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	11,750	0.522	C	0.074	N
Camino Del Rio South	I-15 SB Off-Ramp to I-15 NB On-Ramp	2-Ln Collector w/ TWLTL	15,000	17,500	1.167	**F**	4-Ln Collector w/ TWLTL	9,580	0.319	A	0.848	**Y**
Camino Del Rio South	I-15 NB On-Ramp to Fairmount Avenue	2-Ln Collector w/ TWLTL	15,000	7,900	0.527	C	2-Ln Collector w/ TWLTL	6,370	0.424	B	0.103	N
Morena Boulevard	Tecolote Road to West Morena Boulevard	2-Ln Collector w/ TWLTL	15,000	16,800	1.120	**F**	2-Ln Collector w/ TWLTL	16,180	1.079	**F**	0.041	**Y**

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Morena Boulevard	West Morena Boulevard to Linda Vista Road	4-Ln Major Arterial	40,000	16,800	0.420	B	4-Ln Major Arterial	17,740	0.443	B	-0.023	N
Morena Boulevard	Linda Vista Road to I-8 WB Off-Ramp	4-Ln Major Arterial	40,000	33,200	0.830	D	4-Ln Major Arterial	41,930	1.048	**F**	-0.218	N
Morena Boulevard	I-8 WB Off-Ramp to Taylor Street	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	18,100	0.804	D	3-Ln Collector w/ RM (2 NB, 1 SB)	11,570	0.514	C	0.290	N
Napa Street	Morena Boulevard to Friars Road	4-Ln Major Arterial	40,000	15,700	0.393	B	4-Ln Major Arterial	13,430	0.336	A	0.057	N
Colusa Street	Linda Vista Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	2,800	0.350	B	2-Ln Collector w/o TWLTL	2,720	0.339	B	0.011	N
Via Las Cumbres	Linda Vista Road to Friars Road	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	10,600	0.964	**E**	3-Ln Collector (2 NB, 1 SB)	10,920	0.993	**E**	-0.029	N
Via Las Cumbres	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	7,100	0.178	A	Does Not Exist				0.178	N
Via Las Cumbres	Riverwalk Drive to Levi-Cushman Street "B"	Does Not Exist					Does Not Exist				-	N
Via Las Cumbres	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	6,800	0.170	A	Does Not Exist				0.170	N
Via Las Cumbres	Hotel Circle North to Hotel Circle South	Does Not Exist					Does Not Exist				-	-
Fashion Valley Road	Friars Road to Riverwalk Drive	4-Ln Major Arterial	40,000	12,600	0.315	A	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.350	N
Fashion Valley Road	Riverwalk Drive to Levi-Cushman Street "B"	4-Ln Major Arterial	40,000	22,700	0.568	C	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.098	N
Fashion Valley Road	Levi-Cushman Street "B" to Hotel Circle North	4-Ln Major Arterial	40,000	20,500	0.513	B	4-Ln Collector w/o TWLTL	9,980	0.665	C	-0.153	N
Bachman Place	Hotel Circle South to southern community boundary	4-Ln Collector w/ TWLTL	30,000	17,000	0.567	C	2-Ln Collector w/o TWLTL (NFP)	9,140	0.914	**E**	-0.347	N

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Avenida Del Rio	Fashion Valley Parking Lot to Camino De La Reina	4-Ln Collector w/o TWLTL	15,000	22,600	1.507	**F**	4-Ln Collector w/o TWLTL	8,740	0.583	C	0.924	**Y**
Ulric Street	Fashion Hills Boulevard to 600' South of Fashion Hills Blvd	2-Ln Collector w/ TWLTL	15,000	27,200	1.813	**F**	2-Ln Collector w/ TWLTL	20,380	1.359	**F**	0.454	**Y**
Ulric Street	600' South of Fashion Hills Boulevard to Friars Road	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	22,500	28,500	1.267	**F**	3-Ln Collector w/ SM (1 NB 2 SB)	20,430	0.908	**E**	0.359	**Y**
Camino De La Siesta	Camino De La Reina to Camino Del Rio North	2-Ln Collector w/o TWLTL	8,000	10,000	1.250	**F**	2-Ln Collector w/ w/o TWLTL	5,150	0.643	D	0.607	**Y**
Metropolitan Drive	Mission Valley Road to Murray Canyon Road (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	7,000	0.700	**D**	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	0.529	N
Metropolitan Drive	Murray Canyon Road to Frazee Road (clockwise)	2-Ln Collector w/o TWLTL (NFP)	10,000	300	0.030	A	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	3,840	0.171	A	-0.141	N
Murray Canyon Road	Metropolitan Drive to Frazee Road	2-Ln Collector w/o TWLTL (NFP)	10,000	10,900	1.090	**C**	3-Ln Collector w/ TWLTL (2 EB, 1 WB)	7,400	0.329	A	0.761	N
Frazee Road	Metropolitan Drive to Murray Canyon Road	2-Ln Collector w/o TWLTL (NFP)	10,000	5,900	0.590	C	Does Not Exist				0.590	N
Frazee Road	Murray Canyon Road to Friars Road	4-Ln Major Arterial	40,000	20,300	0.508	B	4-Ln Major Arterial	14,670	0.367	A	0.141	N
Frazee Road	Friars Road to Hazard Center Drive	4-Ln Major Arterial	40,000	19,600	0.490	B	4-Ln Major Arterial	17,050	0.426	B	0.064	N
Mission Center Road	Murray Ridge Road to 1200' West of Murray Ridge Road	2-Ln Collector w/o TWLTL	8,000	15,100	1.888	**F**	2-Ln Collector w/o TWLTL	10,970	1.097	**F**	0.791	**Y**
Mission Center Road	1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd	3-Ln Collector w/o TWLTL (2 NB, 1 SB)	11,000	15,100	1.373	**F**	3-Ln Collector (2 NB, 1 SB)	10,720	0.975	**E**	0.398	**Y**

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Mission Center Road	950' North of Mission Valley Road to Mission Valley Road	4-Ln Major Arterial	40,000	15,100	0.378	B	4-Ln Major Arterial	10,940	0.273	A	0.105	N
Mission Center Road	Mission Valley Road to Westside Drive	4-Ln Major Arterial	40,000	20,300	0.508	B	4-Ln Major Arterial	14,170	0.354	A	0.154	N
Mission Center Road	Westside Drive to Friars Road WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	33,200	0.738	C	5-Ln Major Arterial (3 NB, 2 SB)	26,020	0.578	C	0.160	N
Mission Center Road	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	26,100	0.653	C	4-Ln Major Arterial	22,830	0.571	C	0.082	N
Mission Center Road	Friars Road EB Ramps to Mission Center Court	4-Ln Major Arterial	40,000	22,600	0.565	C	4-Ln Major Arterial	19,470	0.487	B	0.078	N
Mission Center Road	Mission Center Court to Hazard Center Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	26,500	0.589	C	5-Ln Major Arterial (2 NB, 3 SB)	19,450	0.432	B	0.157	N
Mission Center Road	Hazard Center Drive to Camino De La Reina	5-Ln Major Arterial (2 NB, 3 SB)	45,000	33,100	0.736	C	5-Ln Major Arterial (2 NB, 3 SB)	27,060	0.601	C	0.135	N
Mission Center Road	Camino De La Reina to Camino Del Rio North	5-Ln Major Arterial (3 NB, 2 SB)	45,000	32,300	0.718	C	5-Ln Major Arterial (3 NB, 2 SB)	23,280	0.517	B	0.201	N
Auto Circle	Camino Del Rio North to I-8 EB Ramps	4-Ln Major Arterial	40,000	41,800	1.045	**F**	4-Ln Major Arterial	34,100	0.852	D	0.193	**Y**
Auto Circle	I-8 EB Ramps to Camino Del Rio South	4-Ln Collector w/ TWLTL	30,000	18,000	0.600	C	4-Ln Collector w/ RM	20,980	0.699	D	-0.099	N
Via Alta	Franklin Ridge Road to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	11,100	0.740	D	Does Not Exist				0.740	N
Via Alta	Civita Boulevard to Westside Drive	2-Ln Collector w/ TWLTL	15,000	6,500	0.433	B	2-Ln Collector w/ RM	1,340	0.089	A	0.344	N
Murray Ridge Road	Mission Center Road to I-805 NB Ramps	2-Ln Collector w/ TWLTL	15,000	24,100	1.607	**F**	2 Ln Collector w/ TWLTL	20,000	1.333	**F**	0.274	**Y**
Murray Ridge Road	I-805 NB Ramps to I-805 SB Ramps	2-Ln Collector w/ TWLTL	15,000	24,400	1.627	**F**	2-Ln Collector w/ TWLTL	11,700	0.780	D	0.847	**Y**

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Russell Park Way	Civita Boulevard to Friars Road	2-Ln Collector w/ TWLTL	15,000	7,200	0.480	C	2-Ln Collector w/ RM	1,020	0.068	A	0.412	N
Camino Del Este	Rio San Diego Drive to Camino De La Reina	4-Ln Collector w/ TWLTL	30,000	15,800	0.527	C	4-Ln Collector w/ RM or TWLTL	8,450	0.282	A	0.245	N
Camino Del Este	Camino De La Reina to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	18,600	0.620	C	4-Ln Collector w/ RM or TWLTL	9,880	0.329	A	0.291	N
Franklin Ridge Road	Phyllis Place to Via Alta	4-Ln Major Arterial	40,000	32,200	0.805	D	Does Not Exist				0.805	N
Franklin Ridge Road	Via Alta to Civita Boulevard	2-Ln Collector w/ TWLTL	15,000	17,300	1.153	**F**	Does Not Exist				1.153	**Y**
Qualcomm Way	Civita Boulevard to Friars Road WB Ramps	4-Ln Major Arterial	40,000	20,000	0.500	B	Does Not Exist				0.500	N
Qualcomm Way	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	30,400	0.760	D	2-Ln Collector w/ TWLTL	9,300	0.62	C	0.140	N
Qualcomm Way	Friars Road EB Ramps to Rio San Diego Drive	5-Ln Major Arterial (2 NB, 3 SB)	45,000	27,000	0.600	C	5-Ln Major Arterial (2NB, 3SB)	10,200	0.227	A	0.373	N
Qualcomm Way	Rio San Diego Drive to Camino Del Rio North	6-Ln Major Arterial	50,000	42,300	0.846	D	6-Ln Major Arterial	24,330	0.487	B	0.359	N
Qualcomm Way	Camino Del Rio North to I-8 WB Ramps	5-Ln Major Arterial (3 NB, 2 SB)	45,000	49,500	1.100	**F**	5-Ln Major Arterial (3 NB, 2 SB)	23,560	0.524	B	0.576	**Y**
Qualcomm Way	I-8 WB Ramps to I-8 EB Ramps	6-Ln Major Arterial	50,000	53,600	1.072	**F**	6-Ln Major Arterial	36,410	0.728	C	0.344	**Y**
Qualcomm Way	I-8 EB Ramps to Camino Del Rio South	4-Ln Major Arterial	40,000	33,500	0.838	D	4-Ln Major Arterial	25,830	0.646	C	0.192	N
Texas Street	Camino Del Rio South to 1400' North of Madison Ave	4-Ln Major Arterial	40,000	33,000	0.825	D	4-Ln Major Arterial	29,050	0.726	C	0.099	N
Texas Street	1400' North of Madison Ave to Madison Avenue	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	22,500	33,000	1.467	**F**	3-Ln Collector w/ TWLTL (1 NB, 2 SB)	29,240	1.3	**F**	0.167	**Y**

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Texas Street	Madison Avenue to Meade Ave	2-Ln Collector w/ TWLTL	15,000	20,300	1.353	**F**	2-Ln Collector w/ TWLTL	17,090	1.139	**F**	0.214	**Y**
Texas Street	Meade Ave to El Cajon Boulevard	3-Ln Collector	11,000	15,400	1.400	**F**	3-Ln Collector	14,310	1.300	**F**	0.100	**Y**
River Run Drive	Friars Road to Rio San Diego Drive	2-Ln Collector w/o TWLTL	8,000	4,200	0.525	C	2-Ln Collector w/o TWLTL	4,030	0.504	C	0.021	N
Fenton Parkway	Portofino Driveway to Friars Road	4-Ln Major Arterial	40,000	4,500	0.113	A	4-Ln Major Arterial	4,120	0.103	A	0.010	N
Fenton Parkway	Friars Road to Rio San Diego Drive	4-Ln Major Arterial	40,000	15,800	0.395	B	4-Ln Major Arterial	12,610	0.315	A	0.080	N
Fenton Parkway	Rio San Diego Drive to Del Rio Apartments Driveway	4-Ln Major Arterial	40,000	6,300	0.158	A	4-Ln Major Arterial	5,400	0.135	A	0.023	N
Fenton Parkway	Del Rio Apartments Driveway to New Street "I"	4-Ln Major Arterial	40,000	6,300	0.158	A	Does Not Exist				0.158	N
Fenton Parkway	New Street "I" to Camino Del Rio North	Does Not Exist					Does Not Exist					
Mission City Parkway	Camino Del Rio North to Camino Del Rio South	2-Ln Collector w/ TWLTL	15,000	8,200	0.547	C	2-Ln Collector w/ TWLTL	6,430	0.643	C	-0.096	N
Northside Drive	Portofino Driveway to Friars Road	4-Ln Collector w/ TWLTL	30,000	5,500	0.183	A	4-Ln Collector w/ RM	6,590	0.22	A	-0.037	N
Northside Drive	Friars Road to Fenton Marketplace Driveway	4-Ln Collector w/ TWLTL	30,000	26,300	0.877	E	4-Ln Collector w/ RM	20,310	0.677	C	0.200	**Y**
Northside Drive	Fenton Marketplace Driveway to Lowe's Frontage Road	Shopping Center Driveway[2]	22,500	21,300	0.947	**E**	3-Ln Collector w/ RM (2 NB, 1 SB)	15,890	0.706	D	0.241	**Y**
Mission Village Drive	Ronda Avenue to Friars Road WB Ramps	4-Ln Major Arterial	40,000	17,700	0.443	B	4-Ln Major Arterial	17,220	0.431	B	0.012	N
Mission Village Drive	Friars Road WB Ramps to Friars Road EB Ramps	4-Ln Major Arterial	40,000	31,300	0.783	D	4-Ln Major Arterial	13,660	0.342	A	0.441	N

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Rancho Mission Road	Friars Road to San Diego Mission Road	2-Ln Collector w/ TWLTL	15,000	16,800	1.120	**F**	3-Ln Collector w/ TWLTL (2 NB, 1 SB)	12,820	0.57	C	0.550	**Y**
Rancho Mission Road	San Diego Mission Road to Camino Del Rio North	2-Ln Collector w/ TWLTL	15,000	21,900	1.460	**F**	4-Ln Collector w/o TWLTL	9,580	0.639	C	0.821	**Y**
Santo Road	Northern Terminus to Friars Road	4-Ln Major Arterial	40,000	15,600	0.390	B	2-Ln Collector w/o TWLTL	6,360	0.796	D	-0.406	N
Riverdale Street	Zion Road to Friars Road	2-Ln Collector w/o TWLTL	8,000	2,200	0.275	A	2-Ln Collector w/ w/o TWLTL	2,770	0.346	B	-0.071	N
Riverdale Street	Friars Road to Vandever Avenue	2-Ln Collector w/o TWLTL	8,000	26,800	3.350	**F**	2-Ln Collector w/ w/o TWLTL	8,900	1.113	**F**	2.237	**Y**
Mission Gorge Road	Friars Road to Camino Del Rio North	4-Ln Collector w/ TWLTL	30,000	22,500	0.750	D	4-Ln Collector w/ TWLTL	14,710	0.49	C	0.260	N
Fairmount Avenue	Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp	4-Ln Major Arterial	40,000	53,800	1.345	**F**	4-Ln Major Arterial	40,210	1.005	**F**	0.340	**Y**
Fairmount Avenue	I-8 EB Off-Ramp to Camino Del Rio South	6-Ln Expressway	80,000	93,600	1.170	**F**	6-Ln Expressway	82,880	1.036	**F**	0.134	**Y**
Riverwalk Drive	West of Via Las Cumbres	2-Ln Collector w/ TWLTL	15,000	100	0.007	A	Does Not Exist				0.007	N
Riverwalk Drive	Via Las Cumbres to Fashion Valley Road	2-Ln Collector w/ TWLTL	15,000	6,900	0.460	B	Does Not Exist				0.460	N
Riverwalk Drive	Fashion Valley Road to Avenida Del Rio	2-Ln Collector w/o TWLTL	8,000	18,700	2.338	**F**	Does Not Exist				2.338	**Y**
Levi-Cushman Street "B"	Via Las Cumbres to Fashion Valley Road	4-Ln Collector w/ TWLTL	30,000	6,800	0.227	A	Does Not Exist				0.227	N
Goshen St	Linda Vista Rd to Gaines St	2-Ln Collector w/o TWLTL	8,000	4,600	0.575	C	Not Analyzed				0.575	N
Goshen St	Gaines St to Friars Rd	2-Ln Collector w/o TWLTL	8,000	3,500	0.438	B	Not Analyzed				0.438	N
New Street "I"	Mission City Parkway to Eastern End	2-Ln Collector w/ TWLTL	15,000	5,800	0.387	B	Does Not Exist				0.387	N

Table 8.1 Roadway Segment Analysis – No Connection Alternative

		No Connection Alternative					Existing					
Roadway	Segment	Classification	Capacity	ADT	V/C	LOS	Functional Classification	ADT	V/C	LOS	Δ V/C	SI?
Gill Village Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	6,300	0.420	B		Not Analyzed			0.420	N
Rio Bonito Way	Friars Rd to Rio San Diego Dr	2-Ln Collector w/ TWLTL	15,000	4,100	0.273	A		Not Analyzed			0.273	N

Notes:
Bold letter indicates substandard LOS E or F.
RM = Raised Median.
SM = Striped Median.
TWLTL = Two-Way Left-Turn Lane.
NFP = No Fronting Property.
SI = Significant Impact.
[1] Capacity for a 7-Ln Prime Arterial is calculated assuming that each additional lane above a 6-Ln Arterial adds 5,000 ADT for LOS A, 7,500 ADT for LOS B and 10,000 ADT for LOS C, D, and E.
[2] Shopping Center Driveway was analyzed as a 3-Ln Collector w/ TWLTL.

As shown in Table 8.1, based on the criteria documented in Section 2.3, the CPU land uses and No-Connection Alternative will result in a LOS of E or F along the following 45 roadway segments, and have a significant traffic impact to the following 41 roadway segments in **bold**, when comparing to the existing conditions (No Connection Alternative Plan-to-Ground):

- **Sea World Drive, Mission Bay Parkway to Friars Road (LOS F, Δ in V/C 0.193)**
- **Sea World Drive, Friars Road to I-5 SB Ramps (LOS E, Δ in V/C 0.213)**
- **Tecolote Road, I-5 SB Ramps and I-5 NB Ramps (LOS E, Δ in V/C 0.126)**
- **Friars Road, Fashion Valley Driveway to Avenida De Las Tiendas (LOS E, Δ in V/C 0.385)**
- **Friars Road, Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps (LOS F, Δ in V/C 0.42)**
- **Friars Road, Mission Village Drive to I-15 SB Ramps (LOS F, Δ in V/C 0.388)**
- **Friars Road, I-15 SB Ramps to I-15 NB Ramps (LOS F, Δ in V/C 0.482)**
- **Friars Road, I-15 NB Ramps to Rancho Mission Road (LOS F, Δ in V/C 0.264)**
- **Friars Road, Santo Road to Riverdale Street (LOS F, Δ in V/C 0.304)**
- **Rio San Diego Drive, River Run Drive to Fenton Parkway (LOS F, Δ in V/C 0.724)**
- **Hotel Circle North, I-8 WB Off-Ramp to Via Las Cumbres (LOS F, Δ in V/C 0.646)**
- Hotel Circle North, Via Las Cumbres to I-8 WB On-Ramp (LOS F, Δ in V/C -0.168) – not impacted
- **Camino De La Reina, Avenida Del Rio to Camino De La Siesta (LOS F, Δ in V/C 0.504)**
- **Camino Del Rio North, Camino De La Siesta to Mission Center Road (LOS E, Δ in V/C 0.525)**
- **Camino Del Rio North, Mission City Parkway to 1800' West of Ward Rd (LOS F, Δ in V/C 0.272)**
- **Camino Del Rio North, 1800' West of Ward Road to Ward Road (LOS F, Δ in V/C 0.268)**
- **Hotel Circle South, I-8 EB Off-Ramp to Via Las Cumbres (LOS F, Δ in V/C 0.514)**
- **Hotel Circle South, Via Las Cumbres to I-8 EB On-Ramp (LOS F, Δ in V/C 0.514)**
- Hotel Circle South, I-8 EB On-Ramp to Bachman Place (LOS F, Δ in V/C -0.123) – not impacted
- Hotel Circle South, Bachman Place to Hotel Circle North/Camino De La Reina (LOS F, Δ in V/C -0.019) - not impacted
- **Camino Del Rio South, I-15 SB Off-Ramp to I-15 NB On-Ramp (LOS F, Δ in V/C 0.847)**
- **Morena Boulevard, Tecolote Road to West Morena Boulevard (LOS F, Δ in V/C 0.041)**
- Via Las Cumbres, Linda Vista Road to Friars Road (LOS E, Δ in V/C -0.029) – not impacted
- **Avenida Del Rio, Fashion Valley Parking Lot to Camino De La Reina (LOS F, Δ in V/C 0.924)**
- **Ulric Street, Fashion Hills Boulevard to 600' South of Fashion Hills Blvd (LOS F, Δ in V/C 0.454)**
- **Ulric Street, 600' South of Fashion Hills Boulevard to Friars Road (LOS F, Δ in V/C 0.359)**
- **Camino De La Siesta, Camino De La Reina to Camino Del Rio North (LOS F, Δ in V/C 0.607)**
- **Mission Center Road, Murray Ridge Road to 1200' West of Murray Ridge Road (LOS F, Δ in V/C 0.791)**
- **Mission Center Road, 1200' W of Murray Ridge Rd to 950' N of Mission Valley Rd (LOS F, Δ in V/C 0.398)**
- **Auto Circle, Camino Del Rio North to I-8 EB Ramps (LOS F, Δ in V/C 0.193)**
- **Murray Ridge Road, Mission Center Road to I-805 NB Ramps (LOS F, Δ in V/C 0.274)**
- **Murray Ridge Road, I-805 NB Ramps to I-805 SB Ramps (LOS F, Δ in V/C 0.847)**
- **Franklin Ridge Road, Via Alta to Civita Boulevard (LOS F, Δ in V/C 01.153)**
- **Qualcomm Way, Camino Del Rio North to I-8 WB Ramps (LOS F, Δ in V/C 0.576)**
- **Qualcomm Way, I-8 WB Ramps to I-8 EB Ramps (LOS F, Δ in V/C 0.344)**
- **Texas Street, 1400' North of Madison Ave to Madison Avenue (LOS F, Δ in V/C 0.167)**
- **Texas Street, Madison Avenue to Meade Ave (LOS F, Δ in V/C 0.214)**
- **Texas Street, Meade Ave to El Cajon Boulevard (LOS F, Δ in V/C 0.100)**
- **Northside Drive, Friars Road to Fenton Marketplace Driveway (LOS E, Δ in V/C 0.2)**
- **Northside Drive, Fenton Marketplace Driveway to Lowe's Frontage Road (LOS E, Δ in V/C 0.241)**

- Rancho Mission Road, Friars Road to San Diego Mission Road (LOS F, Δ in V/C 0.55)
- Rancho Mission Road, San Diego Mission Road to Camino Del Rio North (LOS F, Δ in V/C 0.821)
- Riverdale Street, Friars Road to Vandever Avenue (LOS F, Δ in V/C 2.237)
- Fairmount Avenue, Camino Del Rio North/I-8 WB Off-Ramp to I-8 EB Off-Ramp (LOS F, Δ in V/C 0.34)
- Fairmount Avenue, I-8 EB Off-Ramp to Camino Del Rio South (LOS F, Δ in V/C 0.134)
- Riverwalk Drive, Fashion Valley Road to Avenida Del Rio (LOS F, Δ in V/C 2.338)

8.2 Freeway Segment Analysis

Freeway improvements within the Mission Valley study area under the Adopted Community Plan scenario are assumed to be the same as those identified in Chapter 4, derived from the Revenue Constrained scenario of SANDAG's *San Diego Forward: The Regional Plan* (2015), the currently adopted regional transportation plan, and are anticipated to be implemented by 2050.

Table 8.2a and Table 8.2b present the AM and PM peak hour freeway segment analysis results, respectively, as well as any potential traffic impacts associated with the CPU land uses and No-Connection Alternative when comparing to the existing conditions. HCS freeway segment analysis worksheets are provided in Appendix O.

Table 8.2a Freeway Segment Level of Service Results – No-Connection Alternative AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	44.4%	7.8%	1.0%	74,000	2,644	69.6	20.1	C	70.0	A	-0.4	N
		WB	2M	55.6%	7.2%	1.0%		2,894	68.7	22.2	C	70.0	A	-1.3	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	44.2%	7.7%	1.2%	115,000	4,196	69.1	21.4	C	70.0	B	-0.9	N
		WB	3M+1A	55.8%	7.1%	1.2%		4,444	68.5	22.9	C	69.6	C	-1.1	N
	I-5 Interchange to Morena Boulevard	EB	3M	31.7%	7.8%	2.8%	178,000	6,141	58.6	37.4	C	70.0	B	-11.4	N
		WB	4M	68.3%	6.8%	2.8%		7,114	64.3	29.6	D	69.6	C	-5.3	N
	Morena Boulevard to Taylor Street	EB	4M+1A	31.7%	7.8%	2.8%	231,000	7,965	60.3	35.1	**E**	70.0	B	-9.7	**Y**
		WB	5M	68.3%	6.8%	2.8%		9,228	63.3	31.0	D	68.2	C	-4.9	N
	Taylor Street to Hotel Circle	EB	4M	31.7%	7.8%	2.8%	205,000	7,078	64.3	29.6	D	70.0	B	-5.7	N
		WB	4M+1A	68.3%	6.8%	2.8%		8,199	58.4	37.7	**E**	61.3	D	-2.9	**Y**
	Hotel Circle to SR-163 Interchange	EB	4M+2A	31.7%	7.8%	2.8%	222,000	7,654	64.5	24.7	C	65.0	B	-0.5	N
		WB	5M	68.3%	6.8%	2.8%		8,866	62.2	29.6	D	63.4	D	-1.2	N
	SR-163 Interchange to Mission Center Road	EB	4M	31.7%	7.8%	3.2%	192,000	6,617	66.7	26.0	D	70.0	B	-3.3	N
		WB	3M+2A	68.3%	6.8%	3.2%		7,665	59.7	33.7	**D**	55.0	**E**	4.7	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	31.7%	7.8%	3.2%	249,000	8,568	54.4	41.6	**E**	65.0	C	-10.6	**Y**
		WB	4M+1A	68.3%	6.8%	3.2%		9,926	43.9	59.8	**F**	50.9	**F**	-7.0	**Y**
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	43.0%	7.8%	3.2%	177,000	6,082	64.4	25.0	C	62.4	D	2.0	N
		WB	4M+1A	57.0%	6.8%	3.2%		7,046	62.0	30.0	**D**	57.6	**E**	4.4	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	31.7%	7.8%	3.0%	258,000	8,871	63.9	30.2	D	70.0	B	-6.1	N
		WB	4M+2A	68.3%	6.8%	3.0%		10,276	57.6	38.8	**E**	61.5	D	-3.9	**Y**
	I-15 Interchange to Fairmount Ave	EB	4M	32.0%	7.7%	3.5%	228,000	7,411	62.7	31.8	D	69.9	C	-7.2	N
		WB	4M+2A	68.0%	7.4%	3.5%		9,424	62.1	32.7	D	64.3	D	-2.2	N
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	54.0%	7.6%	3.4%	243,000	10,478	62.6	31.9	D	64.4	D	-1.8	N
		SB	4M+2A	46.0%	7.1%	3.4%		7,810	69.0	21.6	C	52.5	**F**	16.5	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	54.0%	7.6%	4.1%	245,000	10,564	38.5	74.0	**F**	54.6	**E**	-16.1	**Y**
		SB	5M	46.0%	7.1%	4.1%		7,874	67.1	25.3	**C**	52.8	**F**	14.3	N
SR-163	Genesee Avenue to Friars Road	NB	5M	57.0%	8.8%	3.7%	213,000	10,924	66.2	26.8	D	63.1	D	3.1	N
		SB	4M	43.0%	8.4%	3.7%		7,316	46.7	56.0	**F**	67.6	C	-20.9	**Y**

Table 8.2a Freeway Segment Level of Service Results – No-Connection Alternative AM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	45.1%	7.9%	3.7%	180,000	7,098	45.9	57.5	**F**	65.3	D	-19.4	**Y**
		SB	4M+2A	54.9%	7.8%	3.7%		7,359	68.8	22.2	C	69.8	C	-1.0	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	45.1%	7.9%	3.0%	192,000	7,554	39.5	71.5	**F**	63.7	D	-24.2	**Y**
		SB	3M+2A	54.9%	7.8%	3.0%		7,830	31.8	33.1	D	66.3	D	-34.5	N
	6th Avenue to Washington Street	NB	3M	45.1%	7.9%	3.0%	159,000	6,277	54.8	42.8	**E**	68.5	C	-13.7	**Y**
		SB	2M+1A	54.9%	7.8%	3.0%		6,507	14.2	239.7	**F**	39.1	**F**	-24.9	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	69.9%	7.6%	6.5%	266,000	14,917	33.2	89.9	**F**	53.2	**F**	-20.0	**Y**
		SB	5M	30.1%	8.1%	6.5%		6,411	69.9	18.3	C	70.0	B	-0.1	N
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	74.6%	5.9%	6.5%	257,000	11,575	56.6	40.2	**E**	63.1	D	-6.5	**Y**
		SB	4M+2A	25.4%	8.4%	6.5%		5,255	70.0	14.8	B	70.0	B	0.0	N
	I-8 Interchange to Adams Avenue	NB	4M+1A	74.6%	5.9%	6.5%	254,000	11,418	40.3	69.4	**F**	50.0	**F**	-9.7	**Y**
		SB	6M	25.4%	8.4%	6.5%		5,184	70.0	12.1	B	70.0	A	0.0	N
	Adams Avenue to El Cajon Boulevard	NB	4M	74.6%	5.9%	6.5%	225,000	10,128	52.0	47.0	**F**	56.8	**E**	-4.8	**Y**
		SB	5M+1A	25.4%	8.4%	6.5%		4,598	70.0	12.7	B	70.0	B	0.0	N
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	60.5%	7.7%	5.0%	258,000	12,374	26.1	120.4	**F**	42.3	**F**	-16.2	**Y**
		SB	5M+1A+2ML	39.5%	7.5%	5.0%		8,086	67.7	24.3	C	69.4	C	-1.7	N
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	273,000	10,520	60.1	35.3	**E**	64.5	D	-4.4	**Y**
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		11,157	54.7	41.1	**E**	63.0	D	-8.3	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	228,000	8,786	55.1	42.4	**E**	63.0	D	-7.9	**Y**
		SB	5M	48.5%	8.2%	2.2%		9,318	62.9	31.5	D	69.0	C	-6.1	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	218,000	8,374	57.8	38.6	**E**	64.2	D	-6.4	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		8,881	64.5	29.3	D	69.3	C	-4.8	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] HVF = Heavy Vehicle Factor.

Table 8.2b Freeway Segment Level of Service Results – No-Connection Alternative PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
I-8	Sunset Cliffs to Sports Arena Boulevard	EB	2M	55.6%	7.8%	1.0%	74,000	3,307	66.5	26.3	D	70.0	A	-3.5	N
		WB	2M	44.4%	7.2%	1.0%		2,314	70.0	17.5	B	70.0	A	0.0	N
	Sports Arena Boulevard to I-5 Interchange	EB	3M+1A	54.8%	7.7%	1.2%	115,000	5,079	66.0	27.1	D	68.3	C	-2.3	N
		WB	3M+1A	45.2%	7.1%	1.2%		3,671	69.9	18.5	C	70.0	B	-0.1	N
	I-5 Interchange to Morena Boulevard	EB	3M	57.0%	7.8%	2.8%	178,000	8,130	36.4	79.6	**F**	60.0	**E**	-23.6	**Y**
		WB	4M	43.0%	6.8%	2.8%		5,373	69.3	20.7	C	70.0	B	-0.7	N
	Morena Boulevard to Taylor Street	EB	4M+1A	57.0%	7.8%	2.8%	231,000	10,546	40.3	69.6	**F**	56.5	**F**	-16.2	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,970	69.1	21.4	C	70.0	B	-0.9	N
	Taylor Street to Hotel Circle	EB	4M	57.0%	7.8%	2.8%	205,000	9,371	49.9	50.5	**F**	54.3	**E**	-4.4	**Y**
		WB	4M+1A	43.0%	6.8%	2.8%		6,193	67.5	24.6	C	68.5	C	-1.0	N
	Hotel Circle to SR-163 Interchange	EB	4M+2A	57.0%	7.8%	2.8%	222,000	10,133	57.9	36.4	**E**	60.1	D	-2.2	**Y**
		WB	5M	43.0%	6.8%	2.8%		6,697	65.0	21.4	C	65.0	C	0.0	N
	SR-163 Interchange to Mission Center Road	EB	4M	57.0%	7.8%	3.2%	192,000	8,760	56.0	41.1	**E**	48.6	**F**	7.4	N
		WB	3M+2A	43.0%	6.8%	3.2%		5,789	64.8	23.5	C	63.8	D	1.0	N
	Mission Center Road to Qualcomm Way / Texas Street	EB	4M+1A	57.0%	7.8%	3.2%	249,000	11,344	28.9	103.7	**F**	39.5	**F**	-10.6	**Y**
		WB	4M+1A	43.0%	6.8%	3.2%		7,497	60.2	32.9	D	62.2	D	-2.0	N
	Qualcomm Way / Texas Street to I-805 Interchange	EB	4M+1A	57.0%	7.8%	3.2%	177,000	8,053	57.5	37.0	**E**	50.1	**F**	7.4	N
		WB	4M+1A	43.0%	6.8%	3.2%		5,322	65.0	21.6	C	64.4	C	0.6	N
	I-805 Interchange to I-15 Interchange	EB	4M+2A	57.0%	7.8%	3.0%	258,000	11,744	48.8	52.3	**F**	54.7	**E**	-5.9	**Y**
		WB	4M+2A	43.0%	6.8%	3.0%		7,762	67.2	25.1	C	68.6	C	-1.4	N
	I-15 Interchange to Fairmount Ave	EB	4M	59.2%	7.7%	3.5%	228,000	10,771	36.7	78.9	**F**	43.5	**F**	-6.8	**Y**
		WB	4M+2A	40.8%	7.4%	3.5%		6,484	69.6	20.1	C	69.9	C	-0.3	N
I-5	Sea World Drive / Tecolote Road to I-8 Interchange	NB	5M+1A	40.5%	7.6%	3.4%	243,000	8,926	67.1	25.4	C	69.9	C	-2.8	N
		SB	4M+2A	59.5%	7.1%	3.4%		9,169	66.5	26.3	D	67.7	C	-1.2	N
	I-8 Interchange to Old Town Avenue	NB	4M+1A	40.5%	7.6%	4.1%	245,000	8,999	52.6	46.2	**F**	68.1	C	-15.5	**Y**
		SB	5M	59.5%	7.1%	4.1%		9,243	62.7	31.8	D	67.7	C	-5.0	N
SR-163	Genesee Avenue to Friars Road	NB	5M	48.4%	8.8%	3.7%	213,000	8,231	54.5	43.2	**E**	65.1	D	-10.6	**Y**
		SB	4M	51.6%	8.4%	3.7%		9,710	63.1	31.3	D	58.6	**E**	4.5	N

Table 8.2b Freeway Segment Level of Service Results – No-Connection Alternative PM Peak Hour

Freeway	Segment	Dir	Lanes[1]	D[2]	K[3]	HVF[4]	ADT	Peak Hr Volume	Speed	Density	LOS	Existing Speed	Existing LOS	Δ Speed	SI?
SR-163	Friars Road to I-8 Interchange	NB	3M	50.9%	7.9%	3.7%	180,000	7,359	49.0	52.0	**F**	57.6	**E**	-8.6	**Y**
		SB	4M+2A	49.1%	7.8%	3.7%		7,098	68.3	23.2	C	69.9	C	-1.6	N
	I-8 Interchange to 6th Avenue	NB	3M+1A	50.9%	7.9%	3.0%	192,000	7,830	43.1	63.1	**F**	54.6	**E**	-11.5	**Y**
		SB	3M+2A	49.1%	7.8%	3.0%		7,554	60.2	35.1	**E**	67.1	C	-6.9	**Y**
	6th Avenue to Washington Street	NB	3M	50.9%	7.9%	3.0%	159,000	6,507	56.9	39.8	**E**	64.5	D	-7.6	**Y**
		SB	2M+1A	49.1%	7.8%	3.0%		6,277	7.7	458.6	**F**	42.7	**F**	-35.0	**Y**
I-805	Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place	NB	5M	35.5%	7.6%	6.5%	266,000	6,411	69.9	18.3	C	69.8	C	0.1	N
		SB	5M	64.5%	8.1%	6.5%		14,917	33.2	89.9	**F**	53.2	**F**	-20.0	**Y**
	Murray Ridge Road / Phyllis Place to I-8 Interchange	NB	5M	37.3%	5.9%	6.5%	257,000	3,941	70.0	11.1	B	70.0	B	0.0	N
		SB	4M+2A	62.7%	8.4%	6.5%		15,433	31.0	97.8	**F**	46.3	**F**	-15.3	**Y**
	I-8 Interchange to Adams Avenue	NB	4M+1A	25.4%	5.9%	6.5%	254,000	3,888	70.0	13.6	B	70.0	B	0.0	N
		SB	6M	74.6%	8.4%	6.5%		15,224	50.8	49.0	**F**	57.6	**E**	-6.8	**Y**
	Adams Avenue to El Cajon Boulevard	NB	4M	37.3%	5.9%	6.5%	225,000	3,448	70.0	11.9	B	69.7	C	0.3	N
		SB	5M+1A	62.7%	8.4%	6.5%		13,504	47.0	55.5	**F**	52.8	**F**	-5.8	**Y**
I-15	Aero Drive to Friars Road	NB	4M+1A+2ML	39.2%	7.7%	5.0%	258,000	8,086	61.5	33.4	D	66.2	D	-4.7	N
		SB	5M+1A+2ML	60.8%	7.5%	5.0%		12,374	49.9	50.4	**F**	58.5	**E**	-8.6	**Y**
	Friars Road to I-8	NB	4M+2A+2ML	51.5%	8.2%	2.2%	273,000	11,157	57.2	39.4	**E**	66.1	D	-8.9	**Y**
		SB	3M+3A+2ML	48.5%	8.2%	2.2%		10,520	57.6	36.9	**E**	63.9	D	-6.3	**Y**
	I-8 to Adams Avenue	NB	3M+2A	51.5%	8.2%	2.2%	228,000	9,318	51.1	48.5	**F**	64.9	D	-13.8	**Y**
		SB	5M	48.5%	8.2%	2.2%		8,786	64.8	28.8	D	69.5	C	-4.7	N
	Adams Avenue to El Cajon Boulevard	NB	4M+1A	51.5%	8.2%	2.2%	218,000	8,881	54.3	43.5	**E**	65.8	D	-11.5	**Y**
		SB	5M+1A	48.5%	8.2%	2.2%		8,374	66.1	27.0	D	69.7	C	-3.6	N

Notes:
Bold letter indicates LOS E or F.
[1] M = Mainline; A = Auxiliary Lane.
[2] D = Directional Split.
[3] K = Peak Hour %.
[4] HVF = Heavy Vehicle Factor.

As shown, the following 34directional mainline freeway segments are projected to operate at LOS E or F. Based on the significant impact criteria outlined in Chapter 2, implementation of the CPU land uses and No-Connection Alternative would result in a significant impact on 32 of those directional segments, as is depicted in **bold**:

- **I-8 EB, I-5 Interchange to Morena Boulevard (PM LOS F, Δ in Speed -23.6)**
- **I-8 EB, Morena Boulevard to Taylor Street (AM LOS E, Δ in Speed -9.7; PM LOS F, Δ in Speed -16.2)**
- **I-8 EB, Taylor Street to Hotel Circle (PM LOS F, Δ in Speed -4.4)**
- **I-8 WB, Taylor Street to Hotel Circle (AM LOS E, Δ in Speed -2.9)**
- **I-8 EB, Hotel Circle to SR-163 Interchange (PM LOS E, Δ in Speed -2.2)**
- I-8 EB, SR-163 Interchange to Mission Center Road (PM LOS E, Δ in Speed 7.4) – not impacted
- **I-8 EB, Mission Center Road to Qualcomm Way / Texas Street (AM LOS E, Δ in Speed -10.6; PM LOS F, Δ in Speed -10.6)**
- **I-8 WB, Mission Center Road to Qualcomm Way / Texas Street (AM LOS F, Δ in Speed -7.0)**
- I-8 EB, Qualcomm Way / Texas Street to I-805 Interchange (PM LOS E, Δ in Speed 7.4) – not impacted
- **I-8 EB, I-805 Interchange to I-15 Interchange (PM LOS F, Δ in Speed -5.9)**
- **I-8 WB, I-805 Interchange to I-15 Interchange (AM LOS E, Δ in Speed -3.9)**
- **I-8 EB, I-15 Interchange to Fairmount Ave (PM LOS F, Δ in Speed -6.8)**
- **I-5 NB, I-8 Interchange to Old Town Avenue (AM LOS F, Δ in Speed -16.1; PM LOS F, Δ in Speed -15.5)**
- **SR-163 NB, Genesee Avenue to Friars Road (PM LOS E, Δ in Speed -10.6)**
- **SR-163 SB, Genesee Avenue to Friars Road (AM LOS F, Δ in Speed -20.9)**
- **SR-163 NB, Friars Road to I-8 Interchange (AM LOS F, Δ in Speed -19.4; PM LOS F, Δ in Speed -8.6)**
- **SR-163 NB, I-8 Interchange to 6th Avenue (AM LOS F, Δ in Speed -24.2; PM LOS F, Δ in Speed -11.5)**
- **SR-163 SB, I-8 Interchange to 6th Avenue (PM LOS E, Δ in Speed -6.9)**
- **SR-163 NB, 6th Avenue to Washington Street (AM LOS E, Δ in Speed -13.7; PM LOS E, Δ in Speed -7.6)**
- **SR-163 SB, 6th Avenue to Washington Street (AM LOS F, Δ in Speed -24.9; PM LOS F, Δ in Speed -35.0)**
- **I-805 NB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (AM LOS F, Δ in Speed -20.0)**
- **I-805 SB, Mesa College Drive / Kearny Villa Road to Murray Ridge Road / Phyllis Place (PM LOS F, Δ in Speed -20.0)**
- **I-805 NB, Murray Ridge Road / Phyllis Place to I-8 Interchange (AM LOS E, Δ in Speed -6.5)**
- **I-805 SB, Murray Ridge Road / Phyllis Place to I-8 Interchange (PM LOS F, Δ in Speed -15.3)**
- **I-805 NB, I-8 Interchange to Adams Avenue (AM LOS F, Δ in Speed -9.7)**
- **I-805 SB, I-8 Interchange to Adams Avenue (PM LOS F, Δ in Speed -6.8)**
- **I-805 NB, Adams Avenue to El Cajon Boulevard (AM LOS F, Δ in Speed -4.8)**
- **I-805 SB, Adams Avenue to El Cajon Boulevard (PM LOS F, Δ in Speed -5.8)**
- **I-15 NB, Aero Drive to Friars Road (AM LOS F, Δ in Speed -16.2)**
- **I-15 SB, Aero Drive to Friars Road (PM LOS F, Δ in Speed -8.6)**
- **I-15 NB, Friars Road to I-8 (AM LOS E, Δ in Speed -4.4; PM LOS E, Δ in Speed -8.9)**
- **I-15 SB, Friars Road to I-8 (AM LOS E, Δ in Speed -8.3; PM LOS E, Δ in Speed -6.3)**
- **I-15 NB, I-8 to Adams Avenue (AM LOS E, Δ in Speed -7.9; PM LOS F, Δ in Speed -13.8)**

- I-15 NB, Adams Avenue to El Cajon Boulevard (AM LOS E, Δ in Speed -6.4; PM LOS E, Δ in Speed -11.5)

Appendix A
Traffic Counts
Roadway, Intersection, Freeway

Roadway Traffic Counts

ID	Dir.	Roadway	From	To
1	E/W	Phyllis Place	Abbotshill Road	I-805 SB Ramps
2	E/W	Sea World Drive	Mission Bay Parkway	Friars Road
3	E/W	Sea World Drive	Friars Road	I-5 SB Ramps
4	E/W	Tecolote Road	I-5 SB Ramps	I-5 NB Ramps
5	E/W	Tecolote Road	I-5 NB Ramps	Morena Boulevard
6	E/W	Mission Valley Road	Metropolitan Drive	Mission Center Road
7	E/W	Civita Boulevard	Mission Center Road	Qualcomm Way
8	E/W	Westside Drive	Mission Center Road	Via Alta
9	E/W	Friars Road	Sea World Drive	Napa Street
10	E/W	Friars Road	Napa Street	Colusa Street
11	E/W	Friars Road	Colusa Street	Via Las Cumbres
12	E/W	Friars Road	Via Las Cumbres	Fashion Valley Road
13	E/W	Friars Road	Fashion Valley Road	Via De La Moda
14	E/W	Friars Road	Via De La Moda	Fashion Valley Driveway
15	E/W	Friars Road	Fashion Valley Driveway	Avenida De Las Tiendas
16	E/W	Friars Road	Avenida De Las Tiendas	Ulric Street/SR-163 SB Ramps
17	E/W	Friars Road	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps
18	E/W	Friars Road	SR-163 NB Ramps	Frazee Road

ID	Dir.	Roadway	From	To
19	E/W	Friars Road	Frazee Road	Mission Center Road
20	E/W	Friars Road	Mission Center Road	Qualcomm Way
21	E/W	Friars Road	Qualcomm Way	River Run Drive
22	E/W	Friars Road	River Run Drive	Fenton Parkway
23	E/W	Friars Road	Fenton Parkway	Northside Drive
24	E/W	Friars Road	Northside Drive	San Diego Mission Road
25	E/W	Friars Road	San Diego Mission Road	I-15 SB Ramps
26	E/W	Friars Road	I-15 SB Ramps	I-15 NB Ramps
27	E/W	Friars Road	I-15 NB Ramps	Rancho Mission Road
28	E/W	Friars Road	Rancho Mission Road	Santo Road
29	E/W	Friars Road	Santo Road	Riverdale Street
30	E/W	Friars Road	Riverdale Street	Mission Gorge Road
31	E/W	Mission Gorge Road	Friars Road	Zion Avenue
32	E/W	Hazard Center Drive	Western Terminus	Mission Center Road
33	E/W	Rio San Diego Drive	Gill Village Way	Qualcomm Way
34	E/W	Rio San Diego Drive	Qualcomm Way	River Run Drive
35	E/W	Rio San Diego Drive	River Run Drive	Fenton Parkway
36	E/W	San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road

ID	Dir.	Roadway	From	To
37	E/W	San Diego Mission Road	Rancho Mission Road	950 Feet West of Fairmount Avenue
38	E/W	San Diego Mission Road	950 Feet West of Fairmount Avenue	Fairmount Avenue
39	E/W	Taylor Street	Pacific Highway	Morena Boulevard
40	E/W	Taylor Street	Morena Boulevard	I-8 EB Ramps
41	E/W	Taylor Street	I-8 EB Ramps	Hotel Circle South
42	E/W	Hotel Circle North	Hotel Circle South	Hotel Circle Place
43	E/W	Hotel Circle North	Hotel Circle Place	I-8 WB Ramps
44	E/W	Hotel Circle North	I-8 WB Ramps	Fashion Valley Road
45	E/W	Hotel Circle North	Fashion Valley Road	Camino De La Reina
46	E/W	Camino De La Reina	Hotel Circle North	Avenida Del Rio
47	E/W	Camino De La Reina	Avenida Del Rio	Camino De La Siesta
48	E/W	Camino De La Reina	Camino De La Siesta	Mission Center Road
49	E/W	Camino De La Reina	Mission Center Road	Camino Del Este
50	E/W	Camino De La Reina	Camino Del Este	Qualcomm Way
51	E/W	Camino Del Rio North	Camino De La Siesta	Mission Center Road
52	E/W	Camino Del Rio North	Mission Center Road	I-8 WB Ramps
53	E/W	Camino Del Rio North	I-8 WB Ramps	Camino Del Este
54	E/W	Camino Del Rio North	Camino Del Este	Qualcomm Way

ID	Dir.	Roadway	From	To
55	E/W	Camino Del Rio North	Qualcomm Way	Mission City Parkway
56	E/W	Camino Del Rio North	Mission City Parkway	800 Feet East of Mission City Parkway
57	E/W	Camino Del Rio North	800 Feet East of Mission City Parkway	1800 Feet West of Ward Road
58	E/W	Camino Del Rio North	1800 Feet West of Ward Road	Ward Road
59	E/W	Camino Del Rio North	Ward Road	1000 Feet West of Fairmount Avenue
60	E/W	Camino Del Rio North	1000 Feet West of Fairmount Avenue	Fairmount Avenue
61	E/W	Hotel Circle South	Hotel Circle North	1200 Feet East of Hotel Circle North
62	E/W	Hotel Circle South	1200 Feet East of Hotel Circle North	I-8 EB Ramps
63	E/W	Hotel Circle South	I-8 EB Ramps	Bachman Place
64	E/W	Hotel Circle South	Bachman Place	Hotel Circle North
65	E/W	Camino Del Rio South	Western Terminus	1800 Feet west of Mission Center Road
66	E/W	Camino Del Rio South	1800 Feet west of Mission Center Road	Mission Center Road
67	E/W	Camino Del Rio South	Mission Center Road	Texas Street
68	E/W	Camino Del Rio South	Texas Street	Mission City Parkway
69	E/W	Camino Del Rio South	Mission City Parkway	I-15 SB Offramp
70	E/W	Camino Del Rio South	I-15 SB Offramp	I-15 SB Onramp
71	E/W	Camino Del Rio South	I-15 SB Onramp	Fairmount Avenue
72	N/S	Morena Boulevard	Tecolote Road	West Morena Boulevard

ID	Dir.	Roadway	From	To
73	N/S	Morena Boulevard	West Morena Boulevard	Linda Vista Road
74	N/S	Morena Boulevard	Linda Vista Road	I-8 WB Offramp
75	N/S	Morena Boulevard	I-8 EB Offramp	Taylor Street
76	N/S	Napa Street	Morena Boulevard	Friars Road
77	N/S	Colusa Street	Linda Vista Road	Friars Road
78	N/S	Via Las Cumbres	Linda Vista Road	Friars Road
79	N/S	Fashion Valley Road	Friars Road	Hotel Circle North
80	N/S	Bachman Place	Hotel Circle South	Lewis Street
81	N/S	Avenida Del Rio	Fashion Valley Parking Lot	Camino De La Reina
82	N/S	Ulric Street	Fashion Hills Boulevard	600 Feet South of Fashion Hills Boulevard
83	N/S	Ulric Street	600 Feet South of Fashion Hills Boulevard	Friars Road
84	N/S	Camino De La Siesta	Camino De La Reina	Camino Del Rio North
85	N/S	Metropolitan Drive	Mission Valley Road	Murray Canyon Road
86	N/S	Murray Canyon Road	Metropolitan Drive	Frazee Road
87	N/S	Frazee Road	Murray Canyon Road	Friars Road
88	N/S	Frazee Road	Friars Road	Hazard Center Drive
89	N/S	Mission Center Road	Murray Ridge Road	1200 Feet West of Murray Ridge Road
90	N/S	Mission Center Road	1200 Feet West of Murray Ridge Road	950 Feet North of Mission Valley Road

ID	Dir.	Roadway	From	To
91	N/S	Mission Center Road	950 Feet North of Mission Valley Road	Mission Valley Road
92	N/S	Mission Center Road	Mission Valley Road	Westside Drive
93	N/S	Mission Center Road	Westside Drive	Friars Road WB Ramps
94	N/S	Mission Center Road	Friars Road WB Ramps	Friars Road EB Ramps
95	N/S	Mission Center Road	Friars Road EB Ramps	Mission Center Court
96	N/S	Mission Center Road	Mission Center Court	Hazard Center Drive
97	N/S	Mission Center Road	Hazard Center Drive	Camino De La Reina
98	N/S	Mission Center Road	Camino De La Reina	Camino Del Rio North
99	N/S	Auto Circle	Camino Del Rio North	I-8 EB Ramps
100	N/S	Auto Circle	I-8 EB Ramps	Camino del Rio South
101	N/S	Via Alta	Westside Drive	Franklin Ridge Road
102	N/S	Murray Ridge Road	Mission Center Road	I-805 NB Ramps
103	N/S	Murray Ridge Road	I-805 NB Ramps	I-805 SB Ramps
104	N/S	Russell Park Way	Friars Road	Civita Boulevard
105	N/S	Camino Del Este	Rio San Diego Drive	Camino De La Reina
106	N/S	Camino Del Este	Camino De La Reina	Camino Del Rio North
107	N/S	Franklin Ridge Road	Civita Boulevard	Via Alta
108	N/S	Qualcomm Way	Civita Boulevard	Friars Road WB Ramps

ID	Dir.	Roadway	From	To
109	N/S	Qualcomm Way	Friars Road WB Ramps	Friars Road EB Ramps
110	N/S	Qualcomm Way	Friars Road EB Ramps	Rio San Diego Drive
111	N/S	Qualcomm Way	Rio San Diego Drive	Camino Del Rio North
112	N/S	Qualcomm Way	Camino Del Rio North	I-8 WB Ramps
113	N/S	Qualcomm Way	I-8 WB Ramps	I-8 EB Ramps
114	N/S	Qualcomm Way	I-8 EB Ramps	Camino Del Rio South
115	N/S	Texas Street	Camino Del Rio South	1400 Feet North of Madison Ave
116	N/S	Texas Street	1400 Feet North of Madison Ave	Madison Avenue
117	N/S	Texas Street	Madison Avenue	Meade Ave
118	N/S	Texas Street	Meade Ave	El Cajon Boulevard
119	N/S	River Run Drive	Friars Road	Rio San Diego Drive
120	N/S	Fenton Parkway	Portofino Driveway	Friars Road
121	N/S	Fenton Parkway	Friars Road	Rio San Diego Drive
122	N/S	Fenton Parkway	Rio San Diego Drive	Del Rio Apartments Driveway
123	N/S	Mission City Parkway	Camino Del Rio North	Camino Del Rio South
124	N/S	Northside Drive	Portofino Driveway	Friars Road
125	N/S	Northside Drive	Friars Road	Fenton Marketplace Driveway
126	N/S	Northside Drive	Fenton Marketplace Driveway	Lowe's Frontage Road

ID	Dir.	Roadway	From	To
127	N/S	Mission Village Drive	Ronda Avenue	Friars Road WB Ramps
128	N/S	Mission Village Drive	Friars Road WB Ramps	Friars Road EB Ramps
129	N/S	Rancho Mission Road	Friars Road	San Diego Mission Road
130	N/S	Rancho Mission Road	San Diego Mission Road	Camino Del Rio North
131	N/S	Santo Road	Northern Terminus	Friars Road
132	N/S	Riverdale Street	Zion Road	Friars Road
133	N/S	Riverdale Street	Friars Road	Vandever Avenue
134	N/S	Mission Gorge Road	Friars Road	Camino Del Rio North
135	N/S	Fairmount Avenue	Camino Del Rio North/I-8 WB Offramp	I-8 EB Offramp
136	N/S	Fairmount Avenue	I-8 EB Offramp	Camino Del Rio South

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WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Phyllis Place, From I-805 SB Ramps to Abbotshill Rd

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			1		1			12:00			27		14		
00:15			1		1			12:15			24		22		
00:30			0		5			12:30			24		24		
00:45			5	7	2	9	16	12:45			14	89	18	78	167
01:00			0		0			13:00			17		11		
01:15			2		2			13:15			20		15		
01:30			0		1			13:30			17		25		
01:45			0	2	1	4	6	13:45			18	72	12	63	135
02:00			0		1			14:00			16		23		
02:15			0		1			14:15			17		16		
02:30			0		0			14:30			15		15		
02:45			0	0	2	4	4	14:45			22	70	21	75	145
03:00			2		2			15:00			14		14		
03:15			0		1			15:15			15		15		
03:30			0		0			15:30			22		26		
03:45			1	3	1	4	7	15:45			15	66	21	76	142
04:00			0		1			16:00			18		26		
04:15			2		1			16:15			10		18		
04:30			0		0			16:30			16		22		
04:45			1	3	0	2	5	16:45			18	62	38	104	166
05:00			1		3			17:00			18		36		
05:15			2		1			17:15			16		22		
05:30			4		0			17:30			15		31		
05:45			4	11	4	8	19	17:45			11	60	29	118	178
06:00			3		3			18:00			17		31		
06:15			11		1			18:15			14		33		
06:30			4		2			18:30			17		22		
06:45			7	25	3	9	34	18:45			9	57	33	119	176
07:00			24		8			19:00			17		22		
07:15			33		7			19:15			20		25		
07:30			25		10			19:30			15		18		
07:45			26	108	13	38	146	19:45			10	62	9	74	136
08:00			20		10			20:00			18		13		
08:15			21		18			20:15			25		14		
08:30			28		11			20:30			14		16		
08:45			33	102	12	51	153	20:45			6	63	11	54	117
09:00			26		7			21:00			5		15		
09:15			29		10			21:15			9		15		
09:30			16		12			21:30			6		9		
09:45			21	92	13	42	134	21:45			7	27	11	50	77
10:00			22		11			22:00			5		6		
10:15			12		9			22:15			4		13		
10:30			19		10			22:30			2		10		
10:45			11	64	16	46	110	22:45			3	14	6	35	49
11:00			19		15			23:00			2		5		
11:15			18		13			23:15			2		7		
11:30			16		24			23:30			1		6		
11:45			24	77	16	68	145	23:45			2	7	1	19	26
Total Vol.				494		285	**779**					649		865	**1514**

	AM			PM		
Split %	63.4%	36.6%	**34.0%**	42.9%	57.1%	**66.0%**
Peak Hour	08:30	11:30	**11:45**	12:00	16:45	**16:45**
Volume	116	76	**175**	89	127	**194**
P.H.F.	0.88	0.79	**0.91**	0.82	0.84	**0.87**

Daily Totals

NB	SB	EB	WB	Combined
		1143	1150	**2293**

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THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Phyllis Place, From I-805 SB Ramps to Abbotshill Rd

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			2		4			12:00			16		18		
00:15			1		1			12:15			17		21		
00:30			1		3			12:30			17		26		
00:45			0	4	0	8	12	12:45			9	59	22	87	146
01:00			1		1			13:00			17		19		
01:15			1		2			13:15			21		15		
01:30			0		1			13:30			20		20		
01:45			1	3	1	5	8	13:45			19	77	18	72	149
02:00			0		0			14:00			15		16		
02:15			1		0			14:15			17		20		
02:30			0		1			14:30			10		18		
02:45			1	2	1	2	4	14:45			12	54	20	74	128
03:00			1		0			15:00			22		19		
03:15			1		1			15:15			16		22		
03:30			0		0			15:30			18		32		
03:45			2	4	0	1	5	15:45			20	76	26	99	175
04:00			1		0			16:00			24		24		
04:15			1		1			16:15			11		33		
04:30			1		0			16:30			16		31		
04:45			1	4	1	2	6	16:45			16	67	20	108	175
05:00			1		0			17:00			18		23		
05:15			2		1			17:15			19		24		
05:30			3		2			17:30			22		26		
05:45			9	15	1	4	19	17:45			16	75	30	103	178
06:00			7		3			18:00			16		19		
06:15			2		2			18:15			10		19		
06:30			8		7			18:30			13		15		
06:45			16	33	9	21	54	18:45			13	52	21	74	126
07:00			21		12			19:00			21		24		
07:15			17		18			19:15			18		19		
07:30			26		15			19:30			15		14		
07:45			32	96	11	56	152	19:45			11	65	33	90	155
08:00			24		9			20:00			7		11		
08:15			26		10			20:15			11		13		
08:30			22		11			20:30			1		9		
08:45			19	91	16	46	137	20:45			3	22	12	45	67
09:00			20		18			21:00			8		10		
09:15			15		12			21:15			7		9		
09:30			17		12			21:30			4		11		
09:45			21	73	15	57	130	21:45			5	24	12	42	66
10:00			22		18			22:00			2		10		
10:15			22		19			22:15			3		8		
10:30			12		22			22:30			2		7		
10:45			16	72	21	80	152	22:45			0	7	8	33	40
11:00			21		16			23:00			1		8		
11:15			16		12			23:15			0		4		
11:30			16		18			23:30			3		3		
11:45			26	79	21	67	146	23:45			2	6	0	15	21
Total Vol.			476		349	**825**					584		842		**1426**

Daily Totals

NB	SB	EB	WB	Combined
		1060	1191	**2251**

	AM			PM		
Split %	57.7%	42.3%	**36.7%**	41.0%	59.0%	**63.3%**
Peak Hour	07:30	11:45	**11:45**	15:15	15:30	**15:30**
Volume	108	86	**162**	78	115	**188**
P.H.F.	0.84	0.83	**0.86**	0.81	0.87	**0.94**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Sea World Drive From Mission Bay Parkway to Friars Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			20		24			12:00			245		262		
00:15			26		21			12:15			251		254		
00:30			20		18			12:30			268		251		
00:45			15	81	22	85	166	12:45			277	1041	242	1009	2050
01:00			18		16			13:00			242		222		
01:15			11		11			13:15			256		218		
01:30			12		15			13:30			242		213		
01:45			9	50	19	61	111	13:45			266	1006	214	867	1873
02:00			9		10			14:00			284		252		
02:15			10		5			14:15			251		266		
02:30			5		4			14:30			288		251		
02:45			4	28	6	25	53	14:45			313	1136	284	1053	2189
03:00			6		9			15:00			305		295		
03:15			7		5			15:15			284		316		
03:30			5		4			15:30			216		333		
03:45			4	22	8	26	48	15:45			322	1127	342	1286	2413
04:00			6		7			16:00			342		326		
04:15			9		9			16:15			449		352		
04:30			18		5			16:30			519		366		
04:45			20	53	10	31	84	16:45			488	1798	375	1419	3217
05:00			21		11			17:00			503		395		
05:15			44		33			17:15			404		345		
05:30			68		41			17:30			416		355		
05:45			70	203	55	140	343	17:45			402	1725	333	1428	3153
06:00			84		68			18:00			352		318		
06:15			121		111			18:15			362		321		
06:30			184		105			18:30			284		333		
06:45			229	618	161	445	1063	18:45			212	1210	318	1290	2500
07:00			335		184			19:00			184		282		
07:15			451		212			19:15			161		262		
07:30			405		218			19:30			121		181		
07:45			424	1615	251	865	2480	19:45			135	601	151	876	1477
08:00			384		289			20:00			101		141		
08:15			370		292			20:15			88		131		
08:30			316		315			20:30			95		111		
08:45			384	1454	333	1229	2683	20:45			70	354	111	494	848
09:00			351		191			21:00			65		126		
09:15			305		222			21:15			77		132		
09:30			288		216			21:30			54		108		
09:45			274	1218	203	832	2050	21:45			65	261	99	465	726
10:00			265		241			22:00			95		70		
10:15			218		222			22:15			65		65		
10:30			219		218			22:30			35		88		
10:45			222	924	241	922	1846	22:45			44	239	70	293	532
11:00			235		262			23:00			51		65		
11:15			242		251			23:15			40		44		
11:30			255		268			23:30			35		35		
11:45			235	967	274	1055	2022	23:45			28	154	28	172	326
Total Vol.			7233		5716		**12949**				10652		10652		**21304**

Daily Totals

NB	SB	EB	WB	Combined
		17885	16368	**34253**

	AM			PM		
Split %	55.9%	44.1%	**37.8%**	50.0%	50.0%	**62.2%**
Peak Hour	07:15	08:00	**08:00**	16:15	16:15	**16:15**
Volume	1664	1229	**2683**	1959	1488	**3447**
P.H.F.	0.92	0.92	**0.94**	0.94	0.94	**0.96**

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THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Sea World Drive From Mission Bay Parkway to Friars Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			21		28			12:00			245		284		
00:15			23		24			12:15			268		262		
00:30			18		25			12:30			285		242		
00:45			20	82	20	97	179	12:45			295	1093	235	1023	2116
01:00			16		19			13:00			255		242		
01:15			19		22			13:15			268		222		
01:30			11		16			13:30			242		295		
01:45			15	61	11	68	129	13:45			255	1020	262	1021	2041
02:00			11		8			14:00			313		242		
02:15			9		7			14:15			318		235		
02:30			5		9			14:30			305		244		
02:45			4	29	5	29	58	14:45			252	1188	289	1010	2198
03:00			8		4			15:00			269		312		
03:15			6		5			15:15			295		333		
03:30			8		8			15:30			298		385		
03:45			7	29	9	26	55	15:45			242	1104	362	1392	2496
04:00			9		9			16:00			315		387		
04:15			5		10			16:15			388		342		
04:30			4		11			16:30			398		399		
04:45			18	36	15	45	81	16:45			445	1546	422	1550	3096
05:00			20		18			17:00			484		404		
05:15			33		26			17:15			505		384		
05:30			45		35			17:30			464		342		
05:45			51	149	44	123	272	17:45			418	1871	316	1446	3317
06:00			68		51			18:00			389		333		
06:15			77		68			18:15			326		318		
06:30			151		121			18:30			284		305		
06:45			212	508	145	385	893	18:45			222	1221	284	1240	2461
07:00			295		212			19:00			170		270		
07:15			345		252			19:15			142		268		
07:30			444		268			19:30			111		208		
07:45			419	1503	277	1009	2512	19:45			98	521	184	930	1451
08:00			425		298			20:00			80		144		
08:15			365		305			20:15			70		152		
08:30			313		311			20:30			65		132		
08:45			305	1408	275	1189	2597	20:45			66	281	111	539	820
09:00			333		265			21:00			70		108		
09:15			316		219			21:15			54		99		
09:30			289		235			21:30			55		80		
09:45			299	1237	216	935	2172	21:45			46	225	70	357	582
10:00			235		222			22:00			42		84		
10:15			245		214			22:15			68		65		
10:30			222		235			22:30			70		45		
10:45			236	938	242	913	1851	22:45			54	234	35	229	463
11:00			268		252			23:00			22		41		
11:15			245		268			23:15			35		32		
11:30			245		275			23:30			40		22		
11:45			244	1002	254	1049	2051	23:45			28	125	28	123	248
Total Vol.			6982		5868		**12850**				10429		10860		**21289**

Daily Totals

NB	SB	EB	WB	Combined
		17411	16728	**34139**

	AM			PM		
Split %	54.3%	45.7%	**37.6%**	49.0%	51.0%	**62.4%**
Peak Hour	07:30	07:45	**07:30**	16:45	16:30	**16:45**
Volume	1653	1191	**2801**	1898	1609	**3450**
P.H.F.	0.93	0.96	**0.97**	0.94	0.95	**0.97**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Sea World Drive From I-5 SB Ramps to Friars Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			15		20			12:00			210		198		
00:15			18		18			12:15			205		216		
00:30			21		11			12:30			218		205		
00:45			22	76	15	64	140	12:45			235	868	218	837	1705
01:00			16		19			13:00			222		222		
01:15			19		16			13:15			216		213		
01:30			10		11			13:30			205		205		
01:45			11	56	8	54	110	13:45			216	859	184	824	1683
02:00			15		9			14:00			222		195		
02:15			8		5			14:15			218		177		
02:30			9		4			14:30			226		212		
02:45			10	42	5	23	65	14:45			235	901	235	819	1720
03:00			5		6			15:00			242		284		
03:15			4		8			15:15			268		292		
03:30			6		9			15:30			277		312		
03:45			9	24	10	33	57	15:45			284	1071	318	1206	2277
04:00			12		11			16:00			262		333		
04:15			11		8			16:15			305		342		
04:30			18		9			16:30			311		352		
04:45			22	63	15	43	106	16:45			318	1196	388	1415	2611
05:00			28		18			17:00			352		410		
05:15			26		26			17:15			262		398		
05:30			51		33			17:30			275		362		
05:45			66	171	31	108	279	17:45			255	1144	350	1520	2664
06:00			91		45			18:00			266		312		
06:15			121		88			18:15			242		318		
06:30			215		121			18:30			222		305		
06:45			222	649	135	389	1038	18:45			205	935	295	1230	2165
07:00			269		168			19:00			180		288		
07:15			315		175			19:15			111		202		
07:30			336		191			19:30			105		188		
07:45			345	1265	184	718	1983	19:45			121	517	191	869	1386
08:00			368		222			20:00			103		141		
08:15			352		219			20:15			88		135		
08:30			342		205			20:30			95		111		
08:45			333	1395	184	830	2225	20:45			70	356	116	503	859
09:00			318		161			21:00			65		101		
09:15			284		177			21:15			70		116		
09:30			295		151			21:30			54		90		
09:45			205	1102	168	657	1759	21:45			66	255	84	391	646
10:00			212		184			22:00			66		70		
10:15			188		191			22:15			70		55		
10:30			191		215			22:30			54		68		
10:45			170	761	222	812	1573	22:45			55	245	70	263	508
11:00			155		235			23:00			51		54		
11:15			196		218			23:15			40		40		
11:30			177		242			23:30			32		32		
11:45			195	723	216	911	1634	23:45			21	144	22	148	292
Total Vol.				6327		4642	**10969**					8491		10025	**18516**

Daily Totals

NB	SB	EB	WB	Combined
		14818	14667	**29485**

	AM			PM		
Split %	57.7%	42.3%	**37.2%**	45.9%	54.1%	**62.8%**
Peak Hour	07:45	10:45	**07:45**	16:15	16:45	**16:30**
Volume	1407	917	**2237**	1286	1558	**2791**
P.H.F.	0.96	0.95	**0.95**	0.91	0.95	**0.92**

3

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Sea World Drive From I-5 SB Ramps to Friars Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			20		24			12:00			235		215		
00:15			22		21			12:15			215		208		
00:30			16		20			12:30			222		222		
00:45			11	69	16	81	150	12:45			219	891	213	858	1749
01:00			15		11			13:00			222		242		
01:15			19		15			13:15			242		262		
01:30			20		18			13:30			216		241		
01:45			11	65	20	64	129	13:45			189	869	221	966	1835
02:00			8		11			14:00			191		218		
02:15			7		9			14:15			189		208		
02:30			9		10			14:30			213		219		
02:45			5	29	5	35	64	14:45			214	807	235	880	1687
03:00			4		4			15:00			206		242		
03:15			6		6			15:15			235		318		
03:30			5		7			15:30			241		333		
03:45			7	22	8	25	47	15:45			288	970	326	1219	2189
04:00			9		9			16:00			262		342		
04:15			12		5			16:15			295		396		
04:30			18		8			16:30			305		398		
04:45			22	61	9	31	92	16:45			289	1151	405	1541	2692
05:00			35		9			17:00			299		391		
05:15			31		18			17:15			305		406		
05:30			44		28			17:30			288		411		
05:45			51	161	21	76	237	17:45			216	1108	365	1573	2681
06:00			84		35			18:00			242		319		
06:15			91		55			18:15			251		284		
06:30			184		89			18:30			219		292		
06:45			265	624	129	308	932	18:45			202	914	266	1161	2075
07:00			305		135			19:00			216		242		
07:15			351		168			19:15			184		244		
07:30			408		181			19:30			135		222		
07:45			340	1404	212	696	2100	19:45			140	675	174	882	1557
08:00			319		232			20:00			111		151		
08:15			342		222			20:15			90		105		
08:30			355		219			20:30			80		112		
08:45			312	1328	189	862	2190	20:45			70	351	135	503	854
09:00			305		188			21:00			65		88		
09:15			333		175			21:15			88		95		
09:30			284		162			21:30			81		70		
09:45			242	1164	151	676	1840	21:45			70	304	65	318	622
10:00			262		144			22:00			54		77		
10:15			222		184			22:15			42		54		
10:30			202		174			22:30			35		55		
10:45			184	870	213	715	1585	22:45			40	171	40	226	397
11:00			161		215			23:00			35		41		
11:15			151		208			23:15			22		44		
11:30			177		216			23:30			29		32		
11:45			184	673	222	861	1534	23:45			26	112	28	145	257
Total Vol.				6470		4430	**10900**					8323		10272	**18595**

Daily Totals

NB	SB	EB	WB	Combined
		14793	14702	**29495**

	AM			PM		
Split %	59.4%	40.6%	**37.0%**	44.8%	55.2%	**63.0%**
Peak Hour	07:15	07:45	**07:30**	16:30	16:45	**16:30**
Volume	1418	885	**2256**	1198	1613	**2798**
P.H.F.	0.87	0.95	**0.96**	0.98	0.98	**0.98**

4

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Tecolote Rd, from I-5 NB ramps to I-5 SB ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			35		3			12:00			295		126		
00:15			25		12			12:15			361		163		
00:30			23		2			12:30			275		133		
00:45			13	96	9	26	122	12:45			332	1263	150	572	1835
01:00			12		3			13:00			310		193		
01:15			10		10			13:15			334		160		
01:30			17		11			13:30			294		115		
01:45			14	53	12	36	89	13:45			307	1245	148	616	1861
02:00			12		10			14:00			313		124		
02:15			12		8			14:15			320		136		
02:30			16		8			14:30			324		140		
02:45			6	46	5	31	77	14:45			338	1295	188	588	1883
03:00			9		6			15:00			322		219		
03:15			7		5			15:15			310		146		
03:30			8		7			15:30			352		142		
03:45			11	35	7	25	60	15:45			336	1320	135	642	1962
04:00			10		10			16:00			330		155		
04:15			16		8			16:15			343		164		
04:30			28		27			16:30			353		158		
04:45			30	84	30	75	159	16:45			388	1414	174	651	2065
05:00			33		33			17:00			348		193		
05:15			69		57			17:15			375		158		
05:30			85		75			17:30			336		170		
05:45			91	278	81	246	524	17:45			369	1428	153	674	2102
06:00			104		88			18:00			288		151		
06:15			196		180			18:15			325		156		
06:30			237		229			18:30			314		124		
06:45			309	846	259	756	1602	18:45			255	1182	141	572	1754
07:00			332		312			19:00			249		117		
07:15			403		338			19:15			237		134		
07:30			460		364			19:30			234		121		
07:45			507	1702	330	1344	3046	19:45			264	984	133	505	1489
08:00			425		301			20:00			217		99		
08:15			450		303			20:15			206		107		
08:30			452		306			20:30			150		57		
08:45			368	1695	249	1159	2854	20:45			160	733	69	332	1065
09:00			308		265			21:00			121		86		
09:15			290		227			21:15			153		58		
09:30			337		250			21:30			142		82		
09:45			311	1246	227	969	2215	21:45			92	508	45	271	779
10:00			255		216			22:00			93		45		
10:15			287		207			22:15			89		35		
10:30			320		238			22:30			95		32		
10:45			304	1166	198	859	2025	22:45			60	337	20	132	469
11:00			275		170			23:00			65		17		
11:15			329		219			23:15			53		24		
11:30			323		231			23:30			40		14		
11:45			305	1232	120	740	1972	23:45			39	197	10	65	262
Total Vol.				8479		6266	**14745**					11906		5620	**17526**

Daily Totals

NB	SB	EB	WB	Combined
		20385	11886	**32271**

	AM			PM		
Split %	57.5%	42.5%	**45.7%**	67.9%	32.1%	**54.3%**
Peak Hour	07:30	07:00	**07:30**	16:30	14:45	**16:30**
Volume	1842	1344	**3140**	1464	695	**2147**
P.H.F.	0.91	0.92	**0.94**	0.94	0.79	**0.96**

4

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Tecolote Rd, from I-5 NB ramps to I-5 SB ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			29		10			12:00			318		142		
00:15			23		10			12:15			331		138		
00:30			24		3			12:30			314		131		
00:45			19	95	10	33	128	12:45			359	1322	132	543	1865
01:00			15		5			13:00			289		124		
01:15			16		7			13:15			319		157		
01:30			13		10			13:30			297		138		
01:45			11	55	6	28	83	13:45			297	1202	135	554	1756
02:00			13		8			14:00			358		123		
02:15			6		7			14:15			307		143		
02:30			15		9			14:30			312		126		
02:45			4	38	8	32	70	14:45			325	1302	185	577	1879
03:00			8		6			15:00			342		183		
03:15			7		2			15:15			337		152		
03:30			7		5			15:30			378		164		
03:45			20	42	10	23	65	15:45			353	1410	187	686	2096
04:00			13		4			16:00			333		177		
04:15			19		12			16:15			328		180		
04:30			29		20			16:30			342		186		
04:45			42	103	23	59	162	16:45			305	1308	208	751	2059
05:00			32		20			17:00			388		187		
05:15			48		24			17:15			365		183		
05:30			88		40			17:30			288		172		
05:45			118	286	42	126	412	17:45			361	1402	164	706	2108
06:00			109		58			18:00			278		153		
06:15			153		69			18:15			304		154		
06:30			257		82			18:30			278		151		
06:45			263	782	108	317	1099	18:45			247	1107	144	602	1709
07:00			344		99			19:00			223		133		
07:15			338		86			19:15			241		95		
07:30			441		103			19:30			260		73		
07:45			405	1528	146	434	1962	19:45			235	959	80	381	1340
08:00			361		187			20:00			161		96		
08:15			388		136			20:15			144		66		
08:30			366		130			20:30			143		73		
08:45			381	1496	154	607	2103	20:45			174	622	70	305	927
09:00			328		139			21:00			148		72		
09:15			324		144			21:15			141		57		
09:30			332		142			21:30			118		44		
09:45			294	1278	151	576	1854	21:45			114	521	47	220	741
10:00			293		141			22:00			111		32		
10:15			314		149			22:15			91		45		
10:30			267		141			22:30			84		32		
10:45			253	1127	133	564	1691	22:45			68	354	27	136	490
11:00			284		125			23:00			59		23		
11:15			310		147			23:15			56		17		
11:30			323		156			23:30			38		20		
11:45			308	1225	167	595	1820	23:45			31	184	12	72	256
Total Vol.				8055		3394	**11449**					11693		5533	**17226**

Daily Totals

NB	SB	EB	WB	Combined
		19748	8927	**28675**

	AM			PM		
Split %	70.4%	29.6%	**39.9%**	67.9%	32.1%	**60.1%**
Peak Hour	07:30	11:15	**07:30**	15:00	16:30	**16:30**
Volume	1595	612	**2167**	1410	764	**2164**
P.H.F.	0.90	0.92	**0.98**	0.93	0.92	**0.94**

5

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Tecolote Road From Morena Boulevard to I-5 NB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			21		20			12:00			165		142		
00:15			18		15			12:15			177		151		
00:30			20		18			12:30			184		162		
00:45			16	75	20	73	148	12:45			161	687	155	610	1297
01:00			11		15			13:00			135		174		
01:15			9		11			13:15			142		184		
01:30			10		9			13:30			151		165		
01:45			5	35	12	47	82	13:45			168	596	170	693	1289
02:00			4		16			14:00			178		154		
02:15			4		8			14:15			156		142		
02:30			2		9			14:30			184		161		
02:45			3	13	5	38	51	14:45			167	685	175	632	1317
03:00			5		4			15:00			184		161		
03:15			4		5			15:15			191		155		
03:30			5		6			15:30			212		184		
03:45			6	20	5	20	40	15:45			205	792	192	692	1484
04:00			4		6			16:00			235		205		
04:15			5		5			16:15			288		268		
04:30			6		11			16:30			262		251		
04:45			5	20	15	37	57	16:45			312	1097	235	959	2056
05:00			11		15			17:00			295		244		
05:15			16		16			17:15			262		262		
05:30			20		22			17:30			218		212		
05:45			15	62	32	85	147	17:45			222	997	218	936	1933
06:00			21		40			18:00			213		216		
06:15			35		84			18:15			222		205		
06:30			70		111			18:30			205		181		
06:45			88	214	161	396	610	18:45			181	821	191	793	1614
07:00			115		191			19:00			174		165		
07:15			128		218			19:15			165		141		
07:30			191		235			19:30			177		155		
07:45			288	722	262	906	1628	19:45			184	700	162	623	1323
08:00			188		288			20:00			105		135		
08:15			191		222			20:15			121		108		
08:30			216		218			20:30			130		111		
08:45			205	800	221	949	1749	20:45			118	474	88	442	916
09:00			206		218			21:00			94		90		
09:15			184		222			21:15			90		70		
09:30			135		206			21:30			88		65		
09:45			141	666	219	865	1531	21:45			70	342	55	280	622
10:00			121		203			22:00			65		40		
10:15			135		184			22:15			77		35		
10:30			142		126			22:30			54		22		
10:45			122	520	135	648	1168	22:45			35	231	22	119	350
11:00			135		141			23:00			22		28		
11:15			148		151			23:15			26		29		
11:30			156		126			23:30			20		20		
11:45			141	580	135	553	1133	23:45			19	87	18	95	182
Total Vol.			3727		4617		**8344**				7509		6874		**14383**

Daily Totals

NB	SB	EB	WB	Combined
		11236	11491	**22727**

	AM			PM		
Split %	44.7%	55.3%	**36.7%**	52.2%	47.8%	**63.7%**
Peak Hour	07:45	07:30	**07:45**	16:15	16:15	**16:15**
Volume	883	1007	**1873**	1157	998	**2155**
P.H.F.	0.77	0.87	**0.85**	0.93	0.93	**0.97**

5

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Tecolote Road From Morena Boulevard to I-5 NB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			20		28			12:00			141		158		
00:15			22		20			12:15			156		195		
00:30			16		19			12:30			161		170		
00:45			18	76	20	87	163	12:45			133	591	141	664	1255
01:00			20		16			13:00			149		151		
01:15			15		15			13:15			165		165		
01:30			11		18			13:30			170		135		
01:45			9	55	11	60	115	13:45			184	668	141	592	1260
02:00			5		9			14:00			151		188		
02:15			4		5			14:15			142		140		
02:30			6		4			14:30			135		133		
02:45			5	20	5	23	43	14:45			155	583	158	619	1202
03:00			4		9			15:00			151		199		
03:15			6		10			15:15			168		184		
03:30			5		5			15:30			177		170		
03:45			4	19	4	28	47	15:45			184	680	161	714	1394
04:00			9		6			16:00			262		205		
04:15			11		2			16:15			235		284		
04:30			12		6			16:30			284		251		
04:45			15	47	12	26	73	16:45			295	1076	262	1002	2078
05:00			12		18			17:00			316		242		
05:15			22		22			17:15			288		215		
05:30			36		28			17:30			284		232		
05:45			44	114	34	102	216	17:45			235	1123	205	894	2017
06:00			51		44			18:00			213		184		
06:15			68		68			18:15			242		191		
06:30			70		70			18:30			222		161		
06:45			98	287	121	303	590	18:45			219	896	144	680	1576
07:00			121		170			19:00			205		155		
07:15			135		212			19:15			170		141		
07:30			145		242			19:30			142		128		
07:45			189	590	266	890	1480	19:45			135	652	135	559	1211
08:00			191		242			20:00			111		118		
08:15			174		232			20:15			98		121		
08:30			195		222			20:30			70		106		
08:45			170	730	205	901	1631	20:45			88	367	77	422	789
09:00			161		219			21:00			70		84		
09:15			170		235			21:15			65		68		
09:30			151		242			21:30			66		77		
09:45			148	630	235	931	1561	21:45			50	251	80	309	560
10:00			156		205			22:00			40		54		
10:15			128		184			22:15			35		40		
10:30			122		162			22:30			33		35		
10:45			135	541	111	662	1203	22:45			28	136	28	157	293
11:00			142		135			23:00			21		22		
11:15			165		141			23:15			19		19		
11:30			150		120			23:30			20		20		
11:45			149	606	166	562	1168	23:45			22	82	23	84	166
Total Vol.			3715		4575		**8290**				7105		6696		**13801**

Daily Totals

NB	SB	EB	WB	Combined
		10820	11271	**22091**

	AM			PM		
Split %	44.8%	55.2%	**37.5%**	51.5%	48.5%	**62.5%**
Peak Hour	07:45	07:30	**07:45**	16:30	16:15	**16:15**
Volume	749	982	**1711**	1183	1039	**2169**
P.H.F.	0.96	0.92	**0.94**	0.94	0.91	**0.97**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Valley Road, From Metropolitan Drive to Mission Center Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			3		6			12:00			80		43		
00:15			3		1			12:15			80		49		
00:30			0		0			12:30			88		99		
00:45			1	7	1	8	15	12:45			78	326	94	285	611
01:00			0		2			13:00			55		82		
01:15			1		0			13:15			39		97		
01:30			1		0			13:30			59		86		
01:45			0	2	1	3	5	13:45			41	194	71	336	530
02:00			0		1			14:00			62		46		
02:15			0		0			14:15			56		45		
02:30			1		1			14:30			83		53		
02:45			1	2	0	2	4	14:45			76	277	40	184	461
03:00			0		0			15:00			141		31		
03:15			1		1			15:15			88		33		
03:30			1		0			15:30			108		37		
03:45			1	3	4	5	8	15:45			95	432	30	131	563
04:00			1		4			16:00			141		20		
04:15			1		4			16:15			131		38		
04:30			5		4			16:30			184		25		
04:45			8	15	9	21	36	16:45			126	582	44	127	709
05:00			4		9			17:00			234		51		
05:15			0		8			17:15			110		56		
05:30			6		26			17:30			98		31		
05:45			3	13	46	89	102	17:45			88	530	44	182	712
06:00			7		49			18:00			73		26		
06:15			3		76			18:15			42		13		
06:30			10		72			18:30			32		13		
06:45			11	31	67	264	295	18:45			27	174	15	67	241
07:00			12		101			19:00			24		7		
07:15			11		115			19:15			18		12		
07:30			15		131			19:30			26		15		
07:45			26	64	218	565	629	19:45			29	97	14	48	145
08:00			33		188			20:00			18		16		
08:15			25		161			20:15			19		8		
08:30			35		130			20:30			14		4		
08:45			39	132	168	647	779	20:45			30	81	7	35	116
09:00			51		103			21:00			28		6		
09:15			38		64			21:15			6		6		
09:30			54		64			21:30			9		8		
09:45			34	177	82	313	490	21:45			15	58	19	39	97
10:00			40		56			22:00			6		4		
10:15			51		46			22:15			2		4		
10:30			52		41			22:30			8		6		
10:45			43	186	45	188	374	22:45			10	26	6	20	46
11:00			78		40			23:00			4		3		
11:15			71		59			23:15			0		2		
11:30			98		53			23:30			4		2		
11:45			123	370	67	219	589	23:45			5	13	0	7	20
Total Vol.				1002		2324	**3326**					2790		1461	**4251**

Daily Totals

NB	SB	EB	WB	Combined
		3792	3785	**7577**

	AM			PM		
Split %	30.1%	69.9%	**43.9%**	65.6%	34.4%	**56.1%**
Peak Hour	11:30	07:30	**07:45**	16:15	12:30	**16:15**
Volume	381	698	**816**	675	372	**833**
P.H.F.	0.77	0.80	**0.84**	0.72	0.94	**0.73**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Valley Road, From Metropolitan Drive to Mission Center Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			0		2			12:00			121		57		
00:15			1		2			12:15			81		50		
00:30			3		1			12:30			83		66		
00:45			1	5	0	5	10	12:45			80	365	114	287	652
01:00			1		2			13:00			76		99		
01:15			2		0			13:15			53		98		
01:30			0		0			13:30			54		65		
01:45			0	3	4	6	9	13:45			58	241	77	339	580
02:00			0		1			14:00			55		61		
02:15			1		1			14:15			70		45		
02:30			1		0			14:30			59		44		
02:45			0	2	0	2	4	14:45			57	241	61	211	452
03:00			0		1			15:00			144		31		
03:15			1		1			15:15			101		41		
03:30			0		1			15:30			87		32		
03:45			2	3	4	7	10	15:45			79	411	38	142	553
04:00			1		4			16:00			137		28		
04:15			1		3			16:15			103		29		
04:30			2		5			16:30			151		27		
04:45			1	5	12	24	29	16:45			136	527	56	140	667
05:00			2		11			17:00			234		43		
05:15			4		11			17:15			142		51		
05:30			6		33			17:30			86		35		
05:45			10	22	36	91	113	17:45			72	534	35	164	698
06:00			7		47			18:00			55		26		
06:15			4		82			18:15			39		24		
06:30			13		75			18:30			31		13		
06:45			8	32	80	284	316	18:45			33	158	12	75	233
07:00			13		60			19:00			19		9		
07:15			17		91			19:15			19		7		
07:30			17		82			19:30			17		7		
07:45			19	66	154	387	453	19:45			17	72	9	32	104
08:00			23		145			20:00			19		10		
08:15			27		161			20:15			23		6		
08:30			29		140			20:30			20		9		
08:45			26	105	126	572	677	20:45			36	98	2	27	125
09:00			40		101			21:00			15		13		
09:15			32		87			21:15			13		7		
09:30			44		50			21:30			10		9		
09:45			47	163	69	307	470	21:45			9	47	10	39	86
10:00			36		57			22:00			9		4		
10:15			49		60			22:15			8		8		
10:30			41		67			22:30			3		4		
10:45			64	190	52	236	426	22:45			6	26	6	22	48
11:00			83		55			23:00			4		5		
11:15			73		48			23:15			3		3		
11:30			82		50			23:30			7		6		
11:45			106	344	56	209	553	23:45			1	15	1	15	30
Total Vol.				940		2130	**3070**					2735		1493	**4228**

Daily Totals

NB	SB	EB	WB	Combined
		3675	3623	**7298**

	AM			PM		
Split %	30.6%	69.4%	**42.1%**	64.7%	35.3%	**57.9%**
Peak Hour	11:45	07:45	**07:45**	16:30	12:30	**16:30**
Volume	391	600	**698**	663	377	**840**
P.H.F.	0.81	0.93	**0.93**	0.71	0.83	**0.76**

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WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Civita Boulevard, From Mission Center Road to Qualcomm Way

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			0		0			12:00			13		12		
00:15			1		0			12:15			14		9		
00:30			0		1			12:30			13		5		
00:45			1	2	2	3	5	12:45			20	60	11	37	97
01:00			0		0			13:00			12		16		
01:15			1		0			13:15			19		20		
01:30			2		0			13:30			22		16		
01:45			0	3	0	0	3	13:45			20	73	16	68	141
02:00			1		2			14:00			18		11		
02:15			0		0			14:15			15		15		
02:30			1		0			14:30			22		12		
02:45			1	3	0	2	5	14:45			16	71	15	53	124
03:00			0		0			15:00			21		21		
03:15			0		0			15:15			35		25		
03:30			1		0			15:30			22		44		
03:45			0	1	0	0	1	15:45			28	106	30	120	226
04:00			2		0			16:00			28		33		
04:15			0		0			16:15			20		31		
04:30			2		0			16:30			26		38		
04:45			1	5	0	0	5	16:45			33	107	35	137	244
05:00			1		2			17:00			42		40		
05:15			0		2			17:15			30		32		
05:30			2		4			17:30			28		33		
05:45			5	8	6	14	22	17:45			22	122	25	130	252
06:00			2		12			18:00			18		18		
06:15			8		14			18:15			20		26		
06:30			6		25			18:30			16		22		
06:45			10	26	34	85	111	18:45			19	73	30	96	169
07:00			31		55			19:00			15		25		
07:15			28		35			19:15			14		21		
07:30			25		41			19:30			9		19		
07:45			15	99	35	166	265	19:45			9	47	20	85	132
08:00			15		55			20:00			7		16		
08:15			13		56			20:15			7		11		
08:30			12		31			20:30			13		12		
08:45			20	60	33	175	235	20:45			8	35	11	50	85
09:00			9		28			21:00			8		8		
09:15			7		26			21:15			4		9		
09:30			13		20			21:30			5		13		
09:45			11	40	22	96	136	21:45			8	25	0	30	55
10:00			3		25			22:00			3		2		
10:15			8		20			22:15			4		0		
10:30			6		15			22:30			4		1		
10:45			7	24	11	71	95	22:45			4	15	0	3	18
11:00			8		9			23:00			5		1		
11:15			13		7			23:15			4		1		
11:30			8		12			23:30			3		1		
11:45			18	47	5	33	80	23:45			2	14	0	3	17
Total Vol.				318		645	**963**					748		812	**1560**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			1066	1457	**2523**

	AM			**PM**		
Split %	33.0%	67.0%	**38.2%**	47.9%	52.1%	**61.8%**
Peak Hour	07:00	07:30	**07:00**	16:45	16:30	**16:30**
Volume	99	187	**265**	133	145	**276**
P.H.F.	0.80	0.83	**0.77**	0.79	0.91	**0.84**

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THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Civita Boulevard, From Mission Center Road to Qualcomm Way

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			5		0			12:00			5		15		
00:15			0		0			12:15			7		10		
00:30			0		0			12:30			15		14		
00:45			1	6	0	0	6	12:45			17	44	12	51	95
01:00			3		2			13:00			6		3		
01:15			0		0			13:15			11		5		
01:30			0		0			13:30			9		12		
01:45			1	4	1	3	7	13:45			6	32	12	32	64
02:00			0		0			14:00			20		16		
02:15			0		0			14:15			9		11		
02:30			1		1			14:30			6		15		
02:45			0	1	0	1	2	14:45			19	54	28	70	124
03:00			0		0			15:00			14		26		
03:15			0		0			15:15			22		11		
03:30			0		0			15:30			29		21		
03:45			0	0	1	1	1	15:45			16	81	28	86	167
04:00			0		0			16:00			28		33		
04:15			0		0			16:15			20		32		
04:30			0		0			16:30			26		28		
04:45			1	1	4	4	5	16:45			33	107	20	113	220
05:00			1		5			17:00			45		33		
05:15			1		7			17:15			51		34		
05:30			0		5			17:30			40		31		
05:45			2	4	4	21	25	17:45			33	169	25	123	292
06:00			3		8			18:00			25		22		
06:15			7		12			18:15			18		26		
06:30			7		33			18:30			20		20		
06:45			9	26	30	83	109	18:45			16	79	18	86	165
07:00			30		51			19:00			11		11		
07:15			25		40			19:15			15		9		
07:30			22		41			19:30			19		12		
07:45			16	93	33	165	258	19:45			20	65	5	37	102
08:00			18		58			20:00			16		6		
08:15			20		50			20:15			18		8		
08:30			15		42			20:30			11		9		
08:45			11	64	33	183	247	20:45			5	50	5	28	78
09:00			9		35			21:00			9		5		
09:15			12		21			21:15			10		4		
09:30			16		22			21:30			4		5		
09:45			11	48	18	96	144	21:45			10	33	0	14	47
10:00			10		20			22:00			7		2		
10:15			17		16			22:15			5		0		
10:30			11		19			22:30			4		1		
10:45			13	51	20	75	126	22:45			2	18	2	5	23
11:00			21		18			23:00			4		1		
11:15			11		20			23:15			0		2		
11:30			10		11			23:30			1		0		
11:45			12	54	16	65	119	23:45			0	5	1	4	9
Total Vol.				352		697	**1049**					737		649	**1386**

			Daily Totals		
	NB	SB	EB	WB	**Combined**
			1089	1346	**2435**
	AM		**PM**		
Split %	33.6%	66.4%	**43.1%**	53.2%	46.8%	**56.9%**
Peak Hour	07:00	07:45	**07:00**	16:45	17:00	**17:00**
Volume	93	183	**258**	169	123	**292**
P.H.F.	0.78	0.79	**0.80**	0.83	0.90	**0.86**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Westside Drive, From Mission Center Road to Via Alta

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			8		3			12:00			23		22		
00:15			9		1			12:15			38		29		
00:30			12		4			12:30			23		22		
00:45			17	46	3	11	57	12:45			29	113	30	103	216
01:00			4		1			13:00			25		17		
01:15			7		0			13:15			27		18		
01:30			5		0			13:30			24		10		
01:45			3	19	2	3	22	13:45			30	106	21	66	172
02:00			3		1			14:00			40		28		
02:15			2		0			14:15			33		23		
02:30			2		0			14:30			40		29		
02:45			4	11	3	4	15	14:45			41	154	20	100	254
03:00			3		3			15:00			32		20		
03:15			2		1			15:15			27		15		
03:30			0		0			15:30			37		17		
03:45			0	5	1	5	10	15:45			63	159	19	71	230
04:00			4		3			16:00			33		15		
04:15			1		5			16:15			30		20		
04:30			6		8			16:30			68		31		
04:45			6	17	11	27	44	16:45			41	172	28	94	266
05:00			3		4			17:00			35		31		
05:15			4		9			17:15			45		20		
05:30			6		5			17:30			41		31		
05:45			15	28	8	26	54	17:45			44	165	25	107	272
06:00			9		14			18:00			47		25		
06:15			14		15			18:15			60		20		
06:30			28		22			18:30			40		16		
06:45			31	82	23	74	156	18:45			57	204	16	77	281
07:00			15		31			19:00			52		17		
07:15			6		35			19:15			70		27		
07:30			12		51			19:30			61		17		
07:45			15	48	40	157	205	19:45			57	240	29	90	330
08:00			11		38			20:00			45		13		
08:15			8		44			20:15			62		16		
08:30			14		41			20:30			50		20		
08:45			20	53	40	163	216	20:45			34	191	15	64	255
09:00			29		27			21:00			34		18		
09:15			20		18			21:15			41		14		
09:30			27		32			21:30			45		15		
09:45			26	102	20	97	199	21:45			38	158	10	57	215
10:00			23		18			22:00			39		6		
10:15			33		18			22:15			23		15		
10:30			25		22			22:30			21		6		
10:45			29	110	16	74	184	22:45			19	102	3	30	132
11:00			25		23			23:00			22		5		
11:15			26		16			23:15			19		4		
11:30			25		18			23:30			5		6		
11:45			32	108	22	79	187	23:45			8	54	3	18	72
Total Vol.			629		720		**1349**				1818		877		**2695**

Daily Totals

NB	SB	EB	WB	Combined
		2447	1597	**4044**

	AM			PM		
Split %	46.6%	53.4%	**33.4%**	67.5%	32.5%	**66.6%**
Peak Hour	11:30	07:30	**08:15**	18:45	16:15	**19:00**
Volume	118	173	**223**	240	110	**330**
P.H.F.	0.78	0.85	**0.93**	0.86	0.89	**0.85**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Westside Drive, From Mission Center Road to Via Alta

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			3		3			12:00			43		18		
00:15			13		0			12:15			51		17		
00:30			11		0			12:30			38		17		
00:45			17	44	9	12	56	12:45			43	175	16	68	243
01:00			7		1			13:00			31		27		
01:15			6		1			13:15			30		23		
01:30			8		1			13:30			36		22		
01:45			10	31	2	5	36	13:45			27	124	15	87	211
02:00			10		1			14:00			36		23		
02:15			2		1			14:15			55		18		
02:30			5		0			14:30			56		16		
02:45			3	20	2	4	24	14:45			46	193	18	75	268
03:00			3		5			15:00			34		22		
03:15			5		0			15:15			45		12		
03:30			2		1			15:30			46		26		
03:45			0	10	0	6	16	15:45			51	176	19	79	255
04:00			0		1			16:00			41		25		
04:15			3		3			16:15			32		19		
04:30			6		8			16:30			47		8		
04:45			1	10	5	17	27	16:45			43	163	21	73	236
05:00			0		5			17:00			39		10		
05:15			2		9			17:15			48		18		
05:30			1		8			17:30			60		24		
05:45			11	14	15	37	51	17:45			51	198	19	71	269
06:00			6		7			18:00			58		18		
06:15			11		15			18:15			57		20		
06:30			18		22			18:30			59		20		
06:45			25	60	20	64	124	18:45			61	235	12	70	305
07:00			29		40			19:00			50		30		
07:15			22		39			19:15			55		20		
07:30			24		39			19:30			53		7		
07:45			21	96	31	149	245	19:45			33	191	13	70	261
08:00			34		45			20:00			47		14		
08:15			24		32			20:15			21		13		
08:30			36		34			20:30			41		15		
08:45			30	124	34	145	269	20:45			38	147	8	50	197
09:00			33		43			21:00			43		16		
09:15			29		29			21:15			40		17		
09:30			35		25			21:30			33		12		
09:45			19	116	13	110	226	21:45			26	142	6	51	193
10:00			26		14			22:00			23		10		
10:15			25		26			22:15			33		12		
10:30			26		23			22:30			24		12		
10:45			32	109	21	84	193	22:45			12	92	10	44	136
11:00			20		15			23:00			17		3		
11:15			34		12			23:15			12		2		
11:30			39		18			23:30			12		11		
11:45			25	118	14	59	177	23:45			12	53	3	19	72
Total Vol.				752		692	**1444**					1889		757	**2646**

Daily Totals

NB	SB	EB	WB	Combined
		2641	1449	**4090**

	AM			PM		
Split %	52.1%	47.9%	**35.3%**	71.4%	28.6%	**64.7%**
Peak Hour	11:30	07:15	**08:00**	18:00	15:30	**18:15**
Volume	158	154	**269**	235	89	**309**
P.H.F.	0.77	0.86	**0.85**	0.96	0.86	**0.97**

Segment ID: 9

Friars Rd from Sea World Dr to Napa St

AM Peak Period Heavy Vehicle Percentage: 4.55%

Noon Peak Period Heavy Vehicle Percentage: 4.95%

PM Period Heavy Vehicle Percentage: 3.10%

Average Daily Heavy Vehicle Percentage: 3.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Sea World Dr & Napa St

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_009

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	62	6	0	2	0	0	0	0	0	0	0	0	70
01:00	0	22	3	0	1	0	0	0	0	0	0	0	0	26
02:00	1	15	1	0	2	0	0	0	0	0	0	0	0	19
03:00	0	17	3	0	2	0	0	0	0	0	0	0	0	22
04:00	0	43	2	0	2	0	0	0	0	0	0	0	0	47
05:00	1	148	17	0	11	1	0	0	0	0	0	0	0	178
06:00	3	337	42	1	16	4	0	0	0	0	0	0	0	403
07:00	6	775	62	1	32	6	1	1	0	0	0	0	0	884
08:00	12	824	78	1	27	6	1	1	0	0	0	0	0	950
09:00	3	538	52	1	15	2	0	1	1	0	0	0	0	613
10:00	6	498	49	1	25	2	0	2	0	0	0	0	0	583
11:00	5	585	50	1	16	3	0	0	0	0	0	0	0	660
12:00 PM	4	641	67	1	29	6	1	3	0	0	0	0	0	752
13:00	5	572	58	1	21	1	0	0	0	0	0	0	0	658
14:00	7	658	70	0	24	7	0	1	0	0	0	0	0	767
15:00	6	918	103	0	26	7	0	2	0	0	0	0	0	1062
16:00	6	1273	118	1	46	10	2	1	0	0	0	0	0	1457
17:00	9	1315	110	1	30	11	2	0	0	0	0	0	0	1478
18:00	7	869	59	0	20	10	0	0	0	0	0	0	0	965
19:00	5	635	63	0	19	2	0	0	1	0	0	0	0	725
20:00	6	466	41	0	11	0	0	0	0	0	0	0	0	524
21:00	1	306	22	0	12	1	0	0	0	0	0	0	0	342
22:00	3	200	10	1	6	0	0	0	0	0	0	0	0	220
23:00	0	109	11	0	3	0	0	0	0	0	0	0	0	123
Totals	96	11826	1097	11	398	79	7	12	2					13528
% of Totals	1%	87%	8%	0%	3%	1%	0%	0%	0%					100%

AM Volumes	37	3864	365	6	151	24	2	5	1	0	0	0	0	4455
% AM	0%	29%	3%	0%	1%	0%	0%	0%	0%					33%
AM Peak Hour	08:00	08:00	08:00	06:00	07:00	07:00	07:00	10:00	09:00					08:00
Volume	12	824	78	1	32	6	1	2	1					950
PM Volumes	59	7962	732	5	247	55	5	7	1	0	0	0	0	9073
% PM	0%	59%	5%	0%	2%	0%	0%	0%	0%					67%
PM Peak Hour	17:00	17:00	16:00	12:00	16:00	17:00	16:00	12:00	19:00					17:00
Volume	9	1315	118	1	46	11	2	3	1					1478

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	1834		14%	1410		10%	2935		22%	7349		54%

Classification Definitions

1 Motorcycles	**4** Buses	**7** > =4-Axle Single Units	**10** >=6-Axle Single Trailers	**13** >=7-Axle Multi-Trailers
2 Passenger Cars	**5** 2-Axle, 6-Tire Single Units	**8** <=4-Axle Single Trailers	**11** <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	**6** 3-Axle Single Units	**9** 5-Axle Single Trailers	**12** 6-Axle Multi-Trailers	

9

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Friars Rd Bet. Sea World Dr & Napa St

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_009

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,572	5,956	13,528

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	0		0		13		14		27		12:00	0		0		108		85		193	
00:15	0		0		13		5		18		12:15	0		0		94		99		193	
00:30	0		0		9		6		15		12:30	0		0		119		86		205	
00:45	0		0		6	41	4	29	10	70	12:45	0		0		89	410	72	342	161	752
01:00	0		0		3		5		8		13:00	0		0		80		89		169	
01:15	0		0		5		1		6		13:15	0		0		67		76		143	
01:30	0		0		1		4		5		13:30	0		0		89		77		166	
01:45	0		0		6	15	1	11	7	26	13:45	0		0		103	339	77	319	180	658
02:00	0		0		0		4		4		14:00	0		0		76		85		161	
02:15	0		0		6		0		6		14:15	0		0		86		114		200	
02:30	0		0		2		1		3		14:30	0		0		96		90		186	
02:45	0		0		4	12	2	7	6	19	14:45	0		0		136	394	84	373	220	767
03:00	0		0		3		1		4		15:00	0		0		119		85		204	
03:15	0		0		5		2		7		15:15	0		0		185		98		283	
03:30	0		0		2		3		5		15:30	0		0		213		78		291	
03:45	0		0		4	14	2	8	6	22	15:45	0		0		186	703	98	359	284	1062
04:00	0		0		5		4		9		16:00	0		0		221		106		327	
04:15	0		0		7		5		12		16:15	0		0		257		113		370	
04:30	0		0		9		7		16		16:30	0		0		275		118		393	
04:45	0		0		6	27	4	20	10	47	16:45	0		0		267	1020	100	437	367	1457
05:00	0		0		17		14		31		17:00	0		0		258		103		361	
05:15	0		0		20		21		41		17:15	0		0		255		166		421	
05:30	0		0		21		36		57		17:30	0		0		256		140		396	
05:45	0		0		22	80	27	98	49	178	17:45	0		0		178	947	122	531	300	1478
06:00	0		0		19		30		49		18:00	0		0		133		111		244	
06:15	0		0		31		56		87		18:15	0		0		130		122		252	
06:30	0		0		37		81		118		18:30	0		0		141		125		266	
06:45	0		0		56	143	93	260	149	403	18:45	0		0		91	495	112	470	203	965
07:00	0		0		62		113		175		19:00	0		0		81		98		179	
07:15	0		0		105		118		223		19:15	0		0		83		71		154	
07:30	0		0		150		123		273		19:30	0		0		100		78		178	
07:45	0		0		104	421	109	463	213	884	19:45	0		0		130	394	84	331	214	725
08:00	0		0		141		100		241		20:00	0		0		95		85		180	
08:15	0		0		132		94		226		20:15	0		0		59		68		127	
08:30	0		0		149		114		263		20:30	0		0		60		60		120	
08:45	0		0		94	516	126	434	220	950	20:45	0		0		43	257	54	267	97	524
09:00	0		0		71		78		149		21:00	0		0		47		67		114	
09:15	0		0		93		50		143		21:15	0		0		45		44		89	
09:30	0		0		122		65		187		21:30	0		0		24		38		62	
09:45	0		0		72	358	62	255	134	613	21:45	0		0		37	153	40	189	77	342
10:00	0		0		83		64		147		22:00	0		0		37		43		80	
10:15	0		0		60		60		120		22:15	0		0		26		24		50	
10:30	0		0		87		73		160		22:30	0		0		22		21		43	
10:45	0		0		88	318	68	265	156	583	22:45	0		0		22	107	25	113	47	220
11:00	0		0		74		78		152		23:00	0		0		17		16		33	
11:15	0		0		84		64		148		23:15	0		0		18		18		36	
11:30	0		0		90		89		179		23:30	0		0		21		13		34	
11:45	0		0		92	340	89	320	181	660	23:45	0		0		12	68	8	55	20	123
TOTALS						2285		2170		4455	TOTALS						5287		3786		9073
SPLIT %						51.3%		48.7%		32.9%	SPLIT %						58.3%		41.7%		67.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,572	5,956	13,528

AM Peak Hour			07:30	07:00	07:30	PM Peak Hour			16:15	17:15	16:45
AM Pk Volume			527	463	953	PM Pk Volume			1036	539	1545
Pk Hr Factor			0.878	0.941	0.873	Pk Hr Factor			0.970	0.960	0.917
7 - 9 Volume	0	0	937	897	1834	4 - 6 Volume	0	0	1967	968	2935
7 - 9 Peak Hour			07:30	07:00	07:30	4 - 6 Peak Hour			16:15	17:00	16:45
7 - 9 Pk Volume	0	0	527	463	953	4 - 6 Pk Volume	0	0	1057	531	1545
Pk Hr Factor	0.000	0.000	0.878	0.941	0.873	Pk Hr Factor	0.000	0.000	0.961	0.800	0.917

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Sea World Dr & Napa St

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_009

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	1	48	6	0	1	0	0	0	0	0	0	0	0	56
01:00	0	28	2	1	0	0	0	0	0	0	0	0	0	31
02:00	0	20	2	0	1	0	0	0	0	0	0	0	0	23
03:00	0	14	3	0	3	0	0	0	0	0	0	0	0	20
04:00	0	44	1	0	4	0	0	0	0	0	0	0	0	49
05:00	3	106	14	0	14	0	0	1	0	0	0	0	0	138
06:00	5	361	38	2	14	2	0	0	0	0	0	0	0	422
07:00	9	858	80	3	28	7	2	1	0	0	0	0	0	988
08:00	13	1145	119	3	48	7	1	1	0	0	0	0	0	1337
09:00	3	560	53	2	27	1	1	0	0	0	0	0	0	647
10:00	6	536	52	0	18	3	2	0	0	0	0	0	0	617
11:00	2	477	67	1	15	2	0	0	0	0	0	0	0	564
12:00 PM	4	588	65	1	24	5	1	1	0	0	0	0	0	689
13:00	3	619	44	0	17	3	1	1	0	0	0	0	0	688
14:00	10	652	73	1	19	5	1	0	0	0	0	0	0	761
15:00	3	905	102	1	28	8	1	0	0	0	0	0	0	1048
16:00	12	1339	123	1	65	13	1	2	0	0	0	0	0	1556
17:00	9	1235	118	0	36	5	1	1	0	0	0	0	0	1405
18:00	5	734	76	0	13	4	0	0	1	0	0	0	0	833
19:00	4	565	52	0	10	2	0	0	0	0	0	0	0	633
20:00	3	435	40	0	8	0	0	0	1	0	0	0	0	487
21:00	2	336	23	0	8	1	0	0	0	0	0	0	0	370
22:00	0	241	22	0	3	0	0	1	0	0	0	0	0	267
23:00	1	132	9	0	2	0	0	0	0	0	0	0	0	144
Totals	98	11978	1184	16	406	68	12	9	2					13773
% of Totals	1%	87%	9%	0%	3%	0%	0%	0%	0%					100%

AM Volumes	42	4197	437	12	173	22	6	3	0	0	0	0	0	4892
% AM	0%	30%	3%	0%	1%	0%	0%	0%						36%
AM Peak Hour	08:00	08:00	08:00	07:00	08:00	07:00	07:00	05:00						08:00
Volume	13	1145	119	3	48	7	2	1						1337
PM Volumes	56	7781	747	4	233	46	6	6	2	0	0	0	0	8881
% PM	0%	56%	5%	0%	2%	0%	0%	0%	0%					64%
PM Peak Hour	16:00	16:00	16:00	12:00	16:00	16:00	12:00	16:00	18:00					16:00
Volume	12	1339	123	1	65	13	1	2	1					1556

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	↔	%	Volume	↔	%	Volume	↔	%	Volume	↔	%
	2325		17%	1377		10%	2961		21%	7110		52%

Classification Definitions

1 Motorcycles	**4** Buses	**7** > =4-Axle Single Units	**10** >=6-Axle Single Trailers	**13** >=7-Axle Multi-Trailers
2 Passenger Cars	**5** 2-Axle, 6-Tire Single Units	**8** <=4-Axle Single Trailers	**11** <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	**6** 3-Axle Single Units	**9** 5-Axle Single Trailers	**12** 6-Axle Multi-Trailers	

9

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Friars Rd Bet. Sea World Dr & Napa St

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_009

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,415	6,358	13,773

AM Period	NB		SB		EB		WB		TOTAL	
00:00	0		0		9		7		16	
00:15	0		0		12		7		19	
00:30	0		0		10		2		12	
00:45	0		0		5	36	4	20	9	56
01:00	0		0		1		3		4	
01:15	0		0		5		4		9	
01:30	0		0		5		1		6	
01:45	0		0		11	22	1	9	12	31
02:00	0		0		2		1		3	
02:15	0		0		4		7		11	
02:30	0		0		4		3		7	
02:45	0		0		2	12	0	11	2	23
03:00	0		0		4		1		5	
03:15	0		0		2		1		3	
03:30	0		0		3		4		7	
03:45	0		0		1	10	4	10	5	20
04:00	0		0		3		2		5	
04:15	0		0		7		4		11	
04:30	0		0		4		7		11	
04:45	0		0		16	30	6	19	22	49
05:00	0		0		14		16		30	
05:15	0		0		21		19		40	
05:30	0		0		10		23		33	
05:45	0		0		14	59	21	79	35	138
06:00	0		0		27		42		69	
06:15	0		0		30		49		79	
06:30	0		0		43		79		122	
06:45	0		0		51	151	101	271	152	422
07:00	0		0		101		81		182	
07:15	0		0		192		120		312	
07:30	0		0		118		126		244	
07:45	0		0		129	540	121	448	250	988
08:00	0		0		94		196		290	
08:15	0		0		114		226		340	
08:30	0		0		167		220		387	
08:45	0		0		132	507	188	830	320	1337
09:00	0		0		73		102		175	
09:15	0		0		76		88		164	
09:30	0		0		93		63		156	
09:45	0		0		91	333	61	314	152	647
10:00	0		0		104		71		175	
10:15	0		0		91		60		151	
10:30	0		0		86		56		142	
10:45	0		0		70	351	79	266	149	617
11:00	0		0		80		48		128	
11:15	0		0		68		79		147	
11:30	0		0		64		46		110	
11:45	0		0		110	322	69	242	179	564
TOTALS						2373		2519		4892
SPLIT %						48.5%		51.5%		35.5%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	0		0		87		106		193	
12:15	0		0		67		98		165	
12:30	0		0		84		77		161	
12:45	0		0		80	318	90	371	170	689
13:00	0		0		76		71		147	
13:15	0		0		90		81		171	
13:30	0		0		100		90		190	
13:45	0		0		108	374	72	314	180	688
14:00	0		0		109		89		198	
14:15	0		0		86		88		174	
14:30	0		0		99		88		187	
14:45	0		0		109	403	93	358	202	761
15:00	0		0		147		87		234	
15:15	0		0		143		85		228	
15:30	0		0		184		107		291	
15:45	0		0		173	647	122	401	295	1048
16:00	0		0		233		132		365	
16:15	0		0		274		112		386	
16:30	0		0		303		112		415	
16:45	0		0		290	1100	100	456	390	1556
17:00	0		0		250		146		396	
17:15	0		0		262		161		423	
17:30	0		0		207		151		358	
17:45	0		0		123	842	105	563	228	1405
18:00	0		0		120		96		216	
18:15	0		0		102		108		210	
18:30	0		0		117		95		212	
18:45	0		0		87	426	108	407	195	833
19:00	0		0		97		93		190	
19:15	0		0		86		91		177	
19:30	0		0		80		69		149	
19:45	0		0		72	335	45	298	117	633
20:00	0		0		58		52		110	
20:15	0		0		56		67		123	
20:30	0		0		60		65		125	
20:45	0		0		64	238	65	249	129	487
21:00	0		0		52		57		109	
21:15	0		0		34		46		80	
21:30	0		0		38		49		87	
21:45	0		0		46	170	48	200	94	370
22:00	0		0		40		50		90	
22:15	0		0		29		37		66	
22:30	0		0		26		35		61	
22:45	0		0		24	119	26	148	50	267
23:00	0		0		29		32		61	
23:15	0		0		15		18		33	
23:30	0		0		16		14		30	
23:45	0		0		10	70	10	74	20	144
TOTALS						5042		3839		8881
SPLIT %						56.8%		43.2%		64.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,415	6,358	13,773

AM Peak Hour			07:00	08:00	08:00
AM Pk Volume			540	830	1337
Pk Hr Factor			0.703	0.918	0.864
7 - 9 Volume	0	0	1047	1278	2325
7 - 9 Peak Hour			07:00	08:00	08:00
7 - 9 Pk Volume	0	0	540	830	1337
Pk Hr Factor	0.000	0.000	0.703	0.918	0.864

PM Peak Hour			16:15	17:00	16:30
PM Pk Volume			1009	563	1624
Pk Hr Factor			0.870	0.762	0.960
4 - 6 Volume	0	0	1942	1019	2961
4 - 6 Peak Hour			16:15	17:00	16:30
4 - 6 Pk Volume	0	0	1117	563	1624
Pk Hr Factor	0.000	0.000	0.922	0.874	0.960

Segment ID: 10

Friars Rd from Napa St to Colusa St

AM Peak Period Heavy Vehicle Percentage: 2.85%

Noon Peak Period Heavy Vehicle Percentage: 2.30%

PM Period Heavy Vehicle Percentage: 1.3%

Average Daily Heavy Vehicle Percentage: 2.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Napa St & Colusa St

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_010

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	2	67	3	0	0	0	0	0	0	0	0	0	0	72
01:00	0	35	1	0	1	0	0	0	0	0	0	0	0	37
02:00	0	21	2	0	1	0	0	0	0	0	0	0	0	24
03:00	0	37	3	0	0	0	0	0	0	0	0	0	0	40
04:00	0	98	7	0	2	0	0	0	0	0	0	0	0	107
05:00	1	261	19	1	3	3	0	1	0	0	0	0	0	289
06:00	3	619	45	1	19	0	0	0	0	0	0	0	0	687
07:00	6	1189	57	3	25	3	0	6	0	0	0	0	0	1289
08:00	12	1285	49	1	18	0	1	5	1	0	0	0	0	1372
09:00	2	866	46	0	12	2	0	2	2	0	0	0	0	932
10:00	5	795	53	0	14	0	0	2	0	0	0	0	0	869
11:00	5	957	57	2	15	0	0	2	0	0	0	0	0	1038
12:00 PM	2	953	62	0	22	2	0	0	0	0	0	0	0	1041
13:00	3	938	45	0	28	0	0	1	0	0	0	0	0	1015
14:00	5	996	69	0	13	1	0	0	0	0	0	0	0	1084
15:00	5	1341	86	0	21	0	0	1	0	0	0	0	0	1454
16:00	4	1780	108	0	32	1	0	1	0	0	0	0	0	1926
17:00	8	1858	86	3	13	0	0	1	0	0	0	0	0	1969
18:00	4	1258	51	0	14	0	0	0	0	0	0	0	0	1327
19:00	4	898	50	0	4	1	0	0	0	0	0	0	0	957
20:00	3	607	40	0	4	0	0	1	0	0	0	0	0	655
21:00	3	413	31	0	1	0	0	0	0	0	0	0	0	448
22:00	1	228	7	1	2	0	0	0	0	0	0	0	0	239
23:00	0	132	7	0	0	1	0	0	0	0	0	0	0	140
Totals	78	17632	984	12	264	14	1	23	3					19011
% of Totals	0%	93%	5%	0%	1%	0%	0%	0%	0%					100%

AM Volumes	36	6230	342	8	110	8	1	18	3	0	0	0	0	6756
% AM	0%	33%	2%	0%	1%	0%	0%	0%	0%					36%
AM Peak Hour	08:00	08:00	07:00	07:00	07:00	05:00	08:00	07:00	09:00					08:00
Volume	12	1285	57	3	25	3	1	6	2					1372
PM Volumes	42	11402	642	4	154	6	0	5	0	0	0	0	0	12255
% PM	0%	60%	3%	0%	1%	0%		0%						64%
PM Peak Hour	17:00	17:00	16:00	17:00	16:00	12:00		13:00						17:00
Volume	8	1858	108	3	32	2		1						1969

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	2661		14%	2056		11%	3895		20%	10399		55%

Classification Definitions

1 Motorcycles	**4** Buses	**7** > =4-Axle Single Units	**10** >=6-Axle Single Trailers	**13** >=7-Axle Multi-Trailers
2 Passenger Cars	**5** 2-Axle, 6-Tire Single Units	**8** <=4-Axle Single Trailers	**11** <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	**6** 3-Axle Single Units	**9** 5-Axle Single Trailers	**12** 6-Axle Multi-Trailers	

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Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Friars Rd Bet. Napa St & Colusa St

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_010

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	10,064	8,947	19,011

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00	0	0	17		11		28		12:00	0	0	120		132		252	
00:15	0	0	10		11		21		12:15	0	0	137		145		282	
00:30	0	0	10		5		15		12:30	0	0	114		131		245	
00:45	0	0	4	41	4	31	8	72	12:45	0	0	142	513	120	528	262	1041
01:00	0	0	5		6		11		13:00	0	0	139		143		282	
01:15	0	0	3		4		7		13:15	0	0	123		130		253	
01:30	0	0	2		6		8		13:30	0	0	122		113		235	
01:45	0	0	8	18	3	19	11	37	13:45	0	0	130	514	115	501	245	1015
02:00	0	0	1		2		3		14:00	0	0	109		128		237	
02:15	0	0	6		3		9		14:15	0	0	122		130		252	
02:30	0	0	2		1		3		14:30	0	0	154		139		293	
02:45	0	0	7	16	2	8	9	24	14:45	0	0	184	569	118	515	302	1084
03:00	0	0	2		3		5		15:00	0	0	164		110		274	
03:15	0	0	7		2		9		15:15	0	0	207		142		349	
03:30	0	0	6		6		12		15:30	0	0	287		127		414	
03:45	0	0	11	26	3	14	14	40	15:45	0	0	280	938	137	516	417	1454
04:00	0	0	9		8		17		16:00	0	0	282		138		420	
04:15	0	0	16		7		23		16:15	0	0	345		148		493	
04:30	0	0	13		17		30		16:30	0	0	343		160		503	
04:45	0	0	21	59	16	48	37	107	16:45	0	0	351	1321	159	605	510	1926
05:00	0	0	39		21		60		17:00	0	0	344		166		510	
05:15	0	0	40		34		74		17:15	0	0	365		184		549	
05:30	0	0	35		48		83		17:30	0	0	334		146		480	
05:45	0	0	28	142	44	147	72	289	17:45	0	0	254	1297	176	672	430	1969
06:00	0	0	31		56		87		18:00	0	0	201		179		380	
06:15	0	0	59		99		158		18:15	0	0	196		159		355	
06:30	0	0	56		134		190		18:30	0	0	180		144		324	
06:45	0	0	76	222	176	465	252	687	18:45	0	0	150	727	118	600	268	1327
07:00	0	0	68		185		253		19:00	0	0	129		127		256	
07:15	0	0	100		247		347		19:15	0	0	128		92		220	
07:30	0	0	116		247		363		19:30	0	0	133		99		232	
07:45	0	0	127	411	199	878	326	1289	19:45	0	0	156	546	93	411	249	957
08:00	0	0	126		231		357		20:00	0	0	124		105		229	
08:15	0	0	142		206		348		20:15	0	0	88		65		153	
08:30	0	0	140		196		336		20:30	0	0	78		72		150	
08:45	0	0	127	535	204	837	331	1372	20:45	0	0	65	355	58	300	123	655
09:00	0	0	105		160		265		21:00	0	0	63		88		151	
09:15	0	0	105		109		214		21:15	0	0	57		55		112	
09:30	0	0	137		117		254		21:30	0	0	42		56		98	
09:45	0	0	98	445	101	487	199	932	21:45	0	0	43	205	44	243	87	448
10:00	0	0	120		108		228		22:00	0	0	54		33		87	
10:15	0	0	98		103		201		22:15	0	0	29		28		57	
10:30	0	0	115		123		238		22:30	0	0	33		23		56	
10:45	0	0	90	423	112	446	202	869	22:45	0	0	18	134	21	105	39	239
11:00	0	0	120		109		229		23:00	0	0	20		19		39	
11:15	0	0	134		128		262		23:15	0	0	24		20		44	
11:30	0	0	137		144		281		23:30	0	0	23		14		37	
11:45	0	0	136	527	130	511	266	1038	23:45	0	0	13	80	7	60	20	140
TOTALS				2865		3891		6756	TOTALS				7199		5056		12255
SPLIT %				42.4%		57.6%		35.5%	SPLIT %				58.7%		41.3%		64.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	10,064	8,947	19,011

AM Peak Hour			07:45	07:15	07:30	PM Peak Hour			16:30	17:15	16:30
AM Pk Volume			535	924	1394	PM Pk Volume			1297	685	2072
Pk Hr Factor			0.942	0.935	0.960	Pk Hr Factor			0.888	0.919	0.944
7 - 9 Volume	0	0	946	1715	2661	4 - 6 Volume	0	0	2618	1277	3895
7 - 9 Peak Hour			07:45	07:15	07:30	4 - 6 Peak Hour			16:30	17:00	16:30
7 - 9 Pk Volume	0	0	535	924	1394	4 - 6 Pk Volume	0	0	1403	672	2072
Pk Hr Factor	0.000	0.000	0.942	0.935	0.960	Pk Hr Factor	0.000	0.000	0.961	0.913	0.944

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Napa St & Colusa St

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_010

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	66	2	0	0	0	0	0	0	0	0	0	0	68
01:00	0	45	0	1	0	0	0	0	0	0	0	0	0	46
02:00	1	23	3	0	1	0	0	0	0	0	0	0	0	28
03:00	0	39	3	0	2	0	0	0	0	0	0	0	0	44
04:00	1	84	5	0	3	0	0	0	0	0	0	0	0	93
05:00	1	217	21	0	4	2	0	1	0	0	0	0	0	246
06:00	1	586	40	2	15	1	0	2	0	0	0	0	0	647
07:00	5	1335	72	5	27	1	0	0	2	0	0	0	0	1447
08:00	10	1436	98	8	23	5	4	2	3	0	0	0	0	1589
09:00	3	856	72	1	18	2	0	1	1	0	0	0	0	954
10:00	4	831	52	0	14	3	0	1	1	0	0	0	0	906
11:00	3	911	61	2	12	2	0	1	0	0	0	0	0	992
12:00 PM	4	964	65	1	13	0	0	0	1	0	0	0	0	1048
13:00	4	947	46	1	13	2	0	1	0	0	0	0	0	1014
14:00	7	960	67	3	8	0	0	1	0	0	0	0	0	1046
15:00	7	1342	99	0	22	1	0	1	0	0	0	0	0	1472
16:00	5	1885	129	0	33	2	0	1	2	0	0	0	0	2057
17:00	5	1751	86	2	22	1	0	4	0	0	0	0	0	1871
18:00	4	1163	58	0	6	0	0	0	1	0	0	0	0	1232
19:00	3	808	44	0	3	1	0	0	0	0	0	0	0	859
20:00	5	616	35	0	2	0	0	0	2	0	0	0	0	660
21:00	3	462	23	0	2	0	0	0	1	0	0	0	0	491
22:00	2	305	11	0	2	0	1	0	0	0	0	0	0	321
23:00	0	175	9	0	4	0	0	0	0	0	0	0	0	188
Totals	78	17807	1101	26	249	23	5	16	14					19319
% of Totals	0%	92%	6%	0%	1%	0%	0%	0%	0%					100%

AM Volumes	29	6429	429	19	119	16	4	8	7	0	0	0	0	7060
% AM	0%	33%	2%	0%	1%	0%	0%	0%	0%					37%
AM Peak Hour	08:00	08:00	08:00	08:00	07:00	08:00	08:00	06:00	08:00					08:00
Volume	10	1436	98	8	27	5	4	2	3					1589
PM Volumes	49	11378	672	7	130	7	1	8	7	0	0	0	0	12259
% PM	0%	59%	3%	0%	1%	0%	0%	0%	0%					63%
PM Peak Hour	14:00	16:00	16:00	14:00	16:00	13:00	22:00	17:00	16:00					16:00
Volume	7	1885	129	3	33	2	1	4	2					2057

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	3036		16%	2062		11%	3928		20%	10293		53%

Classification Definitions

1 Motorcycles	**4** Buses	**7** > =4-Axle Single Units	**10** >=6-Axle Single Trailers	**13** >=7-Axle Multi-Trailers
2 Passenger Cars	**5** 2-Axle, 6-Tire Single Units	**8** <=4-Axle Single Trailers	**11** <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	**6** 3-Axle Single Units	**9** 5-Axle Single Trailers	**12** 6-Axle Multi-Trailers	

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Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Friars Rd Bet. Napa St & Colusa St

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_010

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,951	9,368	19,319

AM Period	NB		SB		EB		WB		TOTAL	
00:00	0		0		11		8		19	
00:15	0		0		14		7		21	
00:30	0		0		13		6		19	
00:45	0		0		4	42	5	26	9	68
01:00	0		0		2		4		6	
01:15	0		0		5		10		15	
01:30	0		0		7		6		13	
01:45	0		0		10	24	2	22	12	46
02:00	0		0		3		5		8	
02:15	0		0		3		7		10	
02:30	0		0		4		3		7	
02:45	0		0		3	13	0	15	3	28
03:00	0		0		5		4		9	
03:15	0		0		2		2		4	
03:30	0		0		8		7		15	
03:45	0		0		6	21	10	23	16	44
04:00	0		0		11		5		16	
04:15	0		0		13		9		22	
04:30	0		0		9		13		22	
04:45	0		0		26	59	7	34	33	93
05:00	0		0		26		26		52	
05:15	0		0		34		27		61	
05:30	0		0		25		46		71	
05:45	0		0		21	106	41	140	62	246
06:00	0		0		42		73		115	
06:15	0		0		42		85		127	
06:30	0		0		52		135		187	
06:45	0		0		61	197	157	450	218	647
07:00	0		0		105		172		277	
07:15	0		0		159		233		392	
07:30	0		0		139		245		384	
07:45	0		0		139	542	255	905	394	1447
08:00	0		0		113		364		477	
08:15	0		0		108		307		415	
08:30	0		0		129		187		316	
08:45	0		0		132	482	249	1107	381	1589
09:00	0		0		102		167		269	
09:15	0		0		98		128		226	
09:30	0		0		120		121		241	
09:45	0		0		119	439	99	515	218	954
10:00	0		0		131		117		248	
10:15	0		0		117		90		207	
10:30	0		0		125		103		228	
10:45	0		0		112	485	111	421	223	906
11:00	0		0		122		125		247	
11:15	0		0		126		136		262	
11:30	0		0		125		97		222	
11:45	0		0		130	503	131	489	261	992
TOTALS						2913		4147		7060
SPLIT %						41.3%		58.7%		36.5%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	0		0		126		152		278	
12:15	0		0		110		135		245	
12:30	0		0		133		128		261	
12:45	0		0		129	498	135	550	264	1048
13:00	0		0		118		116		234	
13:15	0		0		124		138		262	
13:30	0		0		135		147		282	
13:45	0		0		129	506	107	508	236	1014
14:00	0		0		138		120		258	
14:15	0		0		127		128		255	
14:30	0		0		155		106		261	
14:45	0		0		156	576	116	470	272	1046
15:00	0		0		173		132		305	
15:15	0		0		177		147		324	
15:30	0		0		248		163		411	
15:45	0		0		306	904	126	568	432	1472
16:00	0		0		309		148		457	
16:15	0		0		383		151		534	
16:30	0		0		382		150		532	
16:45	0		0		360	1434	174	623	534	2057
17:00	0		0		319		187		506	
17:15	0		0		367		183		550	
17:30	0		0		296		184		480	
17:45	0		0		205	1187	130	684	335	1871
18:00	0		0		204		147		351	
18:15	0		0		155		164		319	
18:30	0		0		171		137		308	
18:45	0		0		133	663	121	569	254	1232
19:00	0		0		127		109		236	
19:15	0		0		134		103		237	
19:30	0		0		110		98		208	
19:45	0		0		94	465	84	394	178	859
20:00	0		0		102		75		177	
20:15	0		0		77		74		151	
20:30	0		0		78		90		168	
20:45	0		0		87	344	77	316	164	660
21:00	0		0		77		74		151	
21:15	0		0		51		62		113	
21:30	0		0		45		59		104	
21:45	0		0		59	232	64	259	123	491
22:00	0		0		50		69		119	
22:15	0		0		37		39		76	
22:30	0		0		25		38		63	
22:45	0		0		22	134	41	187	63	321
23:00	0		0		36		30		66	
23:15	0		0		21		27		48	
23:30	0		0		25		25		50	
23:45	0		0		13	95	11	93	24	188
TOTALS						7038		5221		12259
SPLIT %						57.4%		42.6%		63.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,951	9,368	19,319

AM Peak Hour			07:15	07:30	07:30
AM Pk Volume			550	1171	1670
Pk Hr Factor			0.865	0.804	0.875
7 - 9 Volume	0	0	1024	2012	3036
7 - 9 Peak Hour			07:15	07:30	07:30
7 - 9 Pk Volume	0	0	550	1171	1670
Pk Hr Factor	0.000	0.000	0.865	0.804	0.875

PM Peak Hour			16:15	16:45	16:30
PM Pk Volume			1342	728	2122
Pk Hr Factor			0.914	0.875	0.965
4 - 6 Volume	0	0	2621	1307	3928
4 - 6 Peak Hour			16:15	16:45	16:30
4 - 6 Pk Volume	0	0	1444	728	2122
Pk Hr Factor	0.000	0.000	0.943	0.973	0.965

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Colusa St & Via Las Cumbres

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_011

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,724	9,289	19,013

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			8		13		21		12:00			135		116		251	
00:15			11		9		20		12:15			152		125		277	
00:30			8		8		16		12:30			147		126		273	
00:45			6	33	4	34	10	67	12:45			140	574	128	495	268	1069
01:00			9		8		17		13:00			147		115		262	
01:15			6		4		10		13:15			125		133		258	
01:30			8		4		12		13:30			114		128		242	
01:45			4	27	3	19	7	46	13:45			132	518	100	476	232	994
02:00			5		2		7		14:00			131		109		240	
02:15			2		4		6		14:15			131		124		255	
02:30			2		3		5		14:30			144		135		279	
02:45			3	12	1	10	4	22	14:45			145	551	112	480	257	1031
03:00			3		4		7		15:00			165		107		272	
03:15			1		1		2		15:15			176		134		310	
03:30			1		2		3		15:30			212		152		364	
03:45			2	7	5	12	7	19	15:45			237	790	128	521	365	1311
04:00			4		5		9		16:00			282		130		412	
04:15			5		10		15		16:15			302		155		457	
04:30			0		17		17		16:30			342		170		512	
04:45			12	21	19	51	31	72	16:45			344	1270	162	617	506	1887
05:00			11		21		32		17:00			351		155		506	
05:15			8		40		48		17:15			325		174		499	
05:30			18		39		57		17:30			348		168		516	
05:45			23	60	54	154	77	214	17:45			230	1254	154	651	384	1905
06:00			35		50		85		18:00			208		167		375	
06:15			39		77		116		18:15			152		176		328	
06:30			57		96		153		18:30			178		131		309	
06:45			83	214	139	362	222	576	18:45			150	688	129	603	279	1291
07:00			93		186		279		19:00			120		112		232	
07:15			127		207		334		19:15			131		102		233	
07:30			119		241		360		19:30			125		94		219	
07:45			129	468	251	885	380	1353	19:45			130	506	99	407	229	913
08:00			103		308		411		20:00			126		88		214	
08:15			106		399		505		20:15			91		93		184	
08:30			115		401		516		20:30			76		64		140	
08:45			126	450	317	1425	443	1875	20:45			66	359	73	318	139	677
09:00			87		198		285		21:00			78		66		144	
09:15			116		128		244		21:15			66		60		126	
09:30			138		96		234		21:30			54		71		125	
09:45			123	464	91	513	214	977	21:45			51	249	41	238	92	487
10:00			111		93		204		22:00			59		45		104	
10:15			146		98		244		22:15			43		33		76	
10:30			121		108		229		22:30			23		31		54	
10:45			116	494	88	387	204	881	22:45			31	156	17	126	48	282
11:00			127		97		224		23:00			18		19		37	
11:15			126		112		238		23:15			23		20		43	
11:30			98		116		214		23:30			25		17		42	
11:45			127	478	110	435	237	913	23:45			15	81	14	70	29	151
TOTALS				2728		4287		7015	TOTALS				6996		5002		11998
SPLIT %				38.9%		61.1%		36.9%	SPLIT %				58.3%		41.7%		63.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,724	9,289	19,013

AM Peak Hour			11:45	08:00	08:00	PM Peak Hour			16:45	17:30	16:45
AM Pk Volume			561	1425	1875	PM Pk Volume			1368	665	2027
Pk Hr Factor			0.923	0.888	0.908	Pk Hr Factor			0.974	0.945	0.982
7 - 9 Volume	0	0	918	2310	3228	4 - 6 Volume	0	0	2524	1268	3792
7 - 9 Peak Hour			07:15	08:00	08:00	4 - 6 Peak Hour			16:45	16:30	16:45
7 - 9 Pk Volume	0	0	478	1425	1875	4 - 6 Pk Volume	0	0	1368	661	2027
Pk Hr Factor	0.000	0.000	0.926	0.888	0.908	Pk Hr Factor	0.000	0.000	0.974	0.950	0.982

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Colusa St & Via Las Cumbres

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_011

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,926	9,457	19,383

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00					12		8		20		12:00					148		129		277	
00:15					9		8		17		12:15					123		124		247	
00:30					10		9		19		12:30					135		141		276	
00:45					8	39	5	30	13	69	12:45					119	525	143	537	262	1062
01:00					4		4		8		13:00					144		140		284	
01:15					3		4		7		13:15					125		112		237	
01:30					4		10		14		13:30					128		151		279	
01:45					8	19	7	25	15	44	13:45					133	530	115	518	248	1048
02:00					5		3		8		14:00					136		122		258	
02:15					4		7		11		14:15					137		100		237	
02:30					3		5		8		14:30					128		128		256	
02:45					4	16	0	15	4	31	14:45					154	555	111	461	265	1016
03:00					3		3		6		15:00					155		127		282	
03:15					2		1		3		15:15					171		143		314	
03:30					3		7		10		15:30					186		142		328	
03:45					4	12	8	19	12	31	15:45					264	776	124	536	388	1312
04:00					4		8		12		16:00					289		131		420	
04:15					7		10		17		16:15					328		160		488	
04:30					1		18		19		16:30					367		151		518	
04:45					10	22	18	54	28	76	16:45					372	1356	166	608	538	1964
05:00					5		22		27		17:00					369		175		544	
05:15					6		29		35		17:15					341		171		512	
05:30					12		46		58		17:30					374		178		552	
05:45					20	43	38	135	58	178	17:45					234	1318	158	682	392	2000
06:00					26		55		81		18:00					184		164		348	
06:15					46		69		115		18:15					172		144		316	
06:30					53		89		142		18:30					177		129		306	
06:45					59	184	146	359	205	543	18:45					136	669	111	548	247	1217
07:00					71		162		233		19:00					143		123		266	
07:15					127		184		311		19:15					143		100		243	
07:30					144		237		381		19:30					140		100		240	
07:45					129	471	273	856	402	1327	19:45					107	533	94	417	201	950
08:00					103		323		426		20:00					132		62		194	
08:15					104		393		497		20:15					84		70		154	
08:30					112		423		535		20:30					99		88		187	
08:45					145	464	336	1475	481	1939	20:45					75	390	64	284	139	674
09:00					97		208		305		21:00					95		79		174	
09:15					103		127		230		21:15					80		72		152	
09:30					133		96		229		21:30					55		71		126	
09:45					139	472	120	551	259	1023	21:45					64	294	46	268	110	562
10:00					127		97		224		22:00					56		63		119	
10:15					126		91		217		22:15					48		48		96	
10:30					113		94		207		22:30					35		38		73	
10:45					131	497	88	370	219	867	22:45					22	161	26	175	48	336
11:00					125		116		241		23:00					21		15		36	
11:15					117		130		247		23:15					18		24		42	
11:30					120		96		216		23:30					21		19		40	
11:45					142	504	122	464	264	968	23:45					16	76	12	70	28	146
TOTALS						2743		4353		7096	TOTALS						7183		5104		12287
SPLIT %						38.7%		61.3%		36.6%	SPLIT %						58.5%		41.5%		63.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,926	9,457	19,383

AM Peak Hour			11:45	08:00	08:00	PM Peak Hour			16:45	16:45	16:45
AM Pk Volume			548	1475	1939	PM Pk Volume			1456	690	2146
Pk Hr Factor			0.926	0.872	0.906	Pk Hr Factor			0.973	0.969	0.972
7 - 9 Volume	0	0	935	2331	3266	4 - 6 Volume	0	0	2674	1290	3964
7 - 9 Peak Hour			07:15	08:00	08:00	4 - 6 Peak Hour			16:45	16:45	16:45
7 - 9 Pk Volume	0	0	503	1475	1939	4 - 6 Pk Volume	0	0	1456	690	2146
Pk Hr Factor	0.000	0.000	0.873	0.872	0.906	Pk Hr Factor	0.000	0.000	0.973	0.969	0.972

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Via Las Cumbres & Fashion Valley Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_012

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	10,154	11,223	21,377

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			16		19		35		12:00			221		146		367	
00:15			21		18		39		12:15			229		147		376	
00:30			9		10		19		12:30			196		182		378	
00:45			8	54	4	51	12	105	12:45			211	857	186	661	397	1518
01:00			9		11		20		13:00			202		140		342	
01:15			5		7		12		13:15			184		178		362	
01:30			7		5		12		13:30			167		158		325	
01:45			5	26	7	30	12	56	13:45			157	710	139	615	296	1325
02:00			3		5		8		14:00			150		168		318	
02:15			3		5		8		14:15			158		162		320	
02:30			2		3		5		14:30			161		157		318	
02:45			5	13	2	15	7	28	14:45			179	648	156	643	335	1291
03:00			3		6		9		15:00			160		150		310	
03:15			3		4		7		15:15			196		183		379	
03:30			4		6		10		15:30			250		200		450	
03:45			2	12	7	23	9	35	15:45			238	844	167	700	405	1544
04:00			5		6		11		16:00			331		168		499	
04:15			4		11		15		16:15			204		210		414	
04:30			4		11		15		16:30			186		201		387	
04:45			18	31	18	46	36	77	16:45			209	930	217	796	426	1726
05:00			21		18		39		17:00			248		194		442	
05:15			15		39		54		17:15			230		226		456	
05:30			33		39		72		17:30			192		206		398	
05:45			35	104	56	152	91	256	17:45			170	840	201	827	371	1667
06:00			45		50		95		18:00			151		212		363	
06:15			54		75		129		18:15			129		188		317	
06:30			92		106		198		18:30			134		171		305	
06:45			116	307	148	379	264	686	18:45			116	530	158	729	274	1259
07:00			142		203		345		19:00			99		147		246	
07:15			133		273		406		19:15			83		145		228	
07:30			173		298		471		19:30			61		116		177	
07:45			202	650	286	1060	488	1710	19:45			66	309	138	546	204	855
08:00			166		255		421		20:00			67		130		197	
08:15			161		289		450		20:15			57		123		180	
08:30			174		306		480		20:30			54		104		158	
08:45			181	682	252	1102	433	1784	20:45			54	232	107	464	161	696
09:00			144		204		348		21:00			43		110		153	
09:15			134		148		282		21:15			40		94		134	
09:30			191		140		331		21:30			42		97		139	
09:45			188	657	115	607	303	1264	21:45			42	167	87	388	129	555
10:00			170		127		297		22:00			32		68		100	
10:15			175		108		283		22:15			28		52		80	
10:30			202		140		342		22:30			21		53		74	
10:45			190	737	112	487	302	1224	22:45			18	99	26	199	44	298
11:00			153		143		296		23:00			14		26		40	
11:15			195		143		338		23:15			9		40		49	
11:30			152		155		307		23:30			9		29		38	
11:45			177	677	145	586	322	1263	23:45			6	38	22	117	28	155
TOTALS				3950		4538		8488	TOTALS				6204		6685		12889
SPLIT %				46.5%		53.5%		39.7%	SPLIT %				48.1%		51.9%		60.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	10,154	11,223	21,377

AM Peak Hour			11:45	07:45	07:45	PM Peak Hour			15:30	17:15	15:30
AM Pk Volume			823	1136	1839	PM Pk Volume			1023	845	1768
Pk Hr Factor			0.898	0.928	0.942	Pk Hr Factor			0.773	0.935	0.886
7 - 9 Volume	0	0	1332	2162	3494	4 - 6 Volume	0	0	1770	1623	3393
7 - 9 Peak Hour			07:45	07:45	07:45	4 - 6 Peak Hour			16:00	16:45	16:00
7 - 9 Pk Volume	0	0	703	1136	1839	4 - 6 Pk Volume	0	0	930	843	1726
Pk Hr Factor	0.000	0.000	0.870	0.928	0.942	Pk Hr Factor	0.000	0.000	0.702	0.933	0.865

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Via Las Cumbres & Fashion Valley Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_012

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	10,933	12,233	23,166

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			15		18		33		12:00			225		166		391	
00:15			13		17		30		12:15			260		150		410	
00:30			10		17		27		12:30			219		108		327	
00:45			11	49	8	60	19	109	12:45			248	952	180	604	428	1556
01:00			10		11		21		13:00			234		165		399	
01:15			12		13		25		13:15			199		174		373	
01:30			12		11		23		13:30			176		184		360	
01:45			4	38	7	42	11	80	13:45			160	769	184	707	344	1476
02:00			5		7		12		14:00			176		165		341	
02:15			6		8		14		14:15			187		152		339	
02:30			4		7		11		14:30			193		145		338	
02:45			7	22	5	27	12	49	14:45			181	737	157	619	338	1356
03:00			6		5		11		15:00			197		175		372	
03:15			4		2		6		15:15			211		166		377	
03:30			4		13		17		15:30			246		206		452	
03:45			6	20	6	26	12	46	15:45			276	930	168	715	444	1645
04:00			6		6		12		16:00			337		180		517	
04:15			6		10		16		16:15			226		191		417	
04:30			2		12		14		16:30			196		187		383	
04:45			20	34	26	54	46	88	16:45			198	957	220	778	418	1735
05:00			26		18		44		17:00			227		210		437	
05:15			19		34		53		17:15			229		233		462	
05:30			42		44		86		17:30			207		225		432	
05:45			39	126	36	132	75	258	17:45			185	848	186	854	371	1702
06:00			44		60		104		18:00			144		208		352	
06:15			59		66		125		18:15			123		191		314	
06:30			91		99		190		18:30			144		167		311	
06:45			121	315	160	385	281	700	18:45			136	547	158	724	294	1271
07:00			135		185		320		19:00			110		153		263	
07:15			133		284		417		19:15			90		144		234	
07:30			163		335		498		19:30			95		148		243	
07:45			236	667	337	1141	573	1808	19:45			78	373	119	564	197	937
08:00			158		415		573		20:00			63		112		175	
08:15			175		502		677		20:15			62		112		174	
08:30			183		483		666		20:30			57		134		191	
08:45			201	717	423	1823	624	2540	20:45			64	246	106	464	170	710
09:00			157		258		415		21:00			43		129		172	
09:15			160		170		330		21:15			48		90		138	
09:30			214		131		345		21:30			46		104		150	
09:45			192	723	113	672	305	1395	21:45			38	175	78	401	116	576
10:00			175		123		298		22:00			26		88		114	
10:15			204		128		332		22:15			32		56		88	
10:30			237		106		343		22:30			22		66		88	
10:45			187	803	127	484	314	1287	22:45			16	96	54	264	70	360
11:00			183		153		336		23:00			17		43		60	
11:15			193		137		330		23:15			8		33		41	
11:30			173		118		291		23:30			12		25		37	
11:45			196	745	167	575	363	1320	23:45			7	44	17	118	24	162
TOTALS				4259		5421		9680	TOTALS				6674		6812		13486
SPLIT %				44.0%		56.0%		41.8%	SPLIT %				49.5%		50.5%		58.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	10,933	12,233	23,166

AM Peak Hour			11:45	08:00	08:00	PM Peak Hour			15:30	16:45	15:30
AM Pk Volume			900	1823	2540	PM Pk Volume			1085	888	1830
Pk Hr Factor			0.865	0.908	0.938	Pk Hr Factor			0.805	0.953	0.885
7 - 9 Volume	0	0	1384	2964	4348	4 - 6 Volume	0	0	1805	1632	3437
7 - 9 Peak Hour			07:45	08:00	08:00	4 - 6 Peak Hour			16:00	16:45	16:45
7 - 9 Pk Volume	0	0	752	1823	2540	4 - 6 Pk Volume	0	0	957	888	1749
Pk Hr Factor	0.000	0.000	0.797	0.908	0.938	Pk Hr Factor	0.000	0.000	0.710	0.953	0.946

Segment ID: 13

Friars Rd from Fashion Valley Rd to Via de la Moda

AM Peak Period Heavy Vehicle Percentage: 2.55%

Noon Peak Period Heavy Vehicle Percentage: 2.65%

PM Period Heavy Vehicle Percentage: 2.00%

Average Daily Heavy Vehicle Percentage: 2.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Fashion Valley Rd & Via De La Moda

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_013

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	1	144	7	0	2	0	0	0	0	0	0	0	0	154
01:00	0	74	1	0	1	0	0	0	0	0	0	0	0	76
02:00	0	40	2	0	0	0	0	0	0	0	1	0	0	43
03:00	0	50	2	0	2	0	0	0	0	0	0	0	0	54
04:00	0	85	11	0	2	0	0	2	0	0	0	0	0	100
05:00	0	329	35	5	12	2	0	4	0	0	0	0	0	387
06:00	2	741	75	8	31	3	1	3	0	0	0	0	0	864
07:00	3	1512	102	7	24	2	0	3	1	0	0	0	0	1654
08:00	0	1544	97	10	24	1	0	3	0	0	0	0	0	1679
09:00	2	1104	64	9	18	1	0	4	2	0	0	0	0	1204
10:00	3	1161	67	5	23	0	1	4	1	0	0	0	0	1265
11:00	3	1315	77	10	26	1	0	3	1	0	0	0	0	1436
12:00 PM	0	1359	103	8	32	0	0	5	0	0	0	0	0	1507
13:00	3	1322	75	8	33	1	0	3	0	0	0	0	0	1445
14:00	3	1371	78	6	34	2	0	3	1	0	0	0	0	1498
15:00	5	1725	107	12	24	0	0	4	0	0	0	0	0	1877
16:00	6	2096	125	9	28	0	0	2	0	0	1	0	0	2267
17:00	4	2263	123	11	25	0	0	1	0	0	0	0	0	2427
18:00	2	1604	69	11	24	0	0	1	0	0	1	0	0	1712
19:00	3	1296	64	7	7	0	0	1	0	0	0	0	0	1378
20:00	2	1039	52	5	4	0	0	0	0	0	0	0	0	1102
21:00	2	748	29	6	4	0	0	0	0	0	0	0	0	789
22:00	0	437	19	3	1	0	0	1	0	0	0	0	0	461
23:00	0	245	16	0	0	0	0	0	0	0	0	0	0	261
Totals	44	23604	1400	140	381	13	2	47	6		3			25640
% of Totals	0%	92%	5%	1%	1%	0%	0%	0%	0%		0%			100%

AM Volumes	14	8099	540	54	165	10	2	26	5	0	1	0	0	8916
% AM	0%	32%	2%	0%	1%	0%	0%	0%	0%		0%			35%
AM Peak Hour	07:00	08:00	07:00	08:00	06:00	06:00	06:00	05:00	09:00		02:00			08:00
Volume	3	1544	102	10	31	3	1	4	2		1			1679
PM Volumes	30	15505	860	86	216	3	0	21	1	0	2	0	0	16724
% PM	0%	60%	3%	0%	1%	0%		0%	0%		0%			65%
PM Peak Hour	16:00	17:00	16:00	15:00	14:00	14:00		12:00	14:00		16:00			17:00
Volume	6	2263	125	12	34	2		5	1		1			2427

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	3333		13%	2952		12%	4694		18%	14661		57%

Classification Definitions

1 Motorcycles	**4** Buses	**7** > =4-Axle Single Units	**10** >=6-Axle Single Trailers	**13** >=7-Axle Multi-Trailers
2 Passenger Cars	**5** 2-Axle, 6-Tire Single Units	**8** <=4-Axle Single Trailers	**11** <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	**6** 3-Axle Single Units	**9** 5-Axle Single Trailers	**12** 6-Axle Multi-Trailers	

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Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Friars Rd Bet. Fashion Valley Rd & Via De La Moda

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_013

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,917	11,723	25,640

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00	0	0	34		28		62		12:00	0	0	187		162		349	
00:15	0	0	22		22		44		12:15	0	0	218		171		389	
00:30	0	0	11		15		26		12:30	0	0	200		196		396	
00:45	0	0	8	75	14	79	22	154	12:45	0	0	205	810	168	697	373	1507
01:00	0	0	6		17		23		13:00	0	0	225		149		374	
01:15	0	0	15		10		25		13:15	0	0	201		183		384	
01:30	0	0	11		2		13		13:30	0	0	200		149		349	
01:45	0	0	7	39	8	37	15	76	13:45	0	0	185	811	153	634	338	1445
02:00	0	0	4		8		12		14:00	0	0	183		174		357	
02:15	0	0	4		4		8		14:15	0	0	212		145		357	
02:30	0	0	6		4		10		14:30	0	0	220		178		398	
02:45	0	0	7	21	6	22	13	43	14:45	0	0	216	831	170	667	386	1498
03:00	0	0	4		4		8		15:00	0	0	263		192		455	
03:15	0	0	7		7		14		15:15	0	0	258		185		443	
03:30	0	0	7		13		20		15:30	0	0	306		189		495	
03:45	0	0	3	21	9	33	12	54	15:45	0	0	315	1142	169	735	484	1877
04:00	0	0	6		7		13		16:00	0	0	344		183		527	
04:15	0	0	4		9		13		16:15	0	0	352		213		565	
04:30	0	0	9		18		27		16:30	0	0	378		211		589	
04:45	0	0	25	44	22	56	47	100	16:45	0	0	387	1461	199	806	586	2267
05:00	0	0	31		33		64		17:00	0	0	423		219		642	
05:15	0	0	38		46		84		17:15	0	0	402		226		628	
05:30	0	0	53		46		99		17:30	0	0	408		209		617	
05:45	0	0	57	179	83	208	140	387	17:45	0	0	310	1543	230	884	540	2427
06:00	0	0	67		73		140		18:00	0	0	289		187		476	
06:15	0	0	71		86		157		18:15	0	0	247		176		423	
06:30	0	0	124		114		238		18:30	0	0	241		188		429	
06:45	0	0	140	402	189	462	329	864	18:45	0	0	217	994	167	718	384	1712
07:00	0	0	126		214		340		19:00	0	0	208		152		360	
07:15	0	0	157		268		425		19:15	0	0	201		141		342	
07:30	0	0	182		281		463		19:30	0	0	199		130		329	
07:45	0	0	152	617	274	1037	426	1654	19:45	0	0	217	825	130	553	347	1378
08:00	0	0	154		305		459		20:00	0	0	175		132		307	
08:15	0	0	153		270		423		20:15	0	0	137		139		276	
08:30	0	0	166		278		444		20:30	0	0	137		128		265	
08:45	0	0	149	622	204	1057	353	1679	20:45	0	0	144	593	110	509	254	1102
09:00	0	0	115		176		291		21:00	0	0	110		107		217	
09:15	0	0	147		162		309		21:15	0	0	121		95		216	
09:30	0	0	162		152		314		21:30	0	0	71		95		166	
09:45	0	0	149	573	141	631	290	1204	21:45	0	0	90	392	100	397	190	789
10:00	0	0	163		123		286		22:00	0	0	102		63		165	
10:15	0	0	174		125		299		22:15	0	0	66		57		123	
10:30	0	0	199		146		345		22:30	0	0	46		38		84	
10:45	0	0	179	715	156	550	335	1265	22:45	0	0	43	257	46	204	89	461
11:00	0	0	190		163		353		23:00	0	0	35		38		73	
11:15	0	0	202		140		342		23:15	0	0	41		45		86	
11:30	0	0	201		163		364		23:30	0	0	32		17		49	
11:45	0	0	220	813	157	623	377	1436	23:45	0	0	29	137	24	124	53	261
TOTALS				4121		4795		8916	TOTALS				9796		6928		16724
SPLIT %				46.2%		53.8%		34.8%	SPLIT %				58.6%		41.4%		65.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,917	11,723	25,640

AM Peak Hour				11:30	07:30	07:15	PM Peak Hour				16:45	17:00	16:45
AM Pk Volume				826	1130	1773	PM Pk Volume				1409	884	2473
Pk Hr Factor				0.691	0.926	0.957	Pk Hr Factor				0.863	0.872	0.963
7 - 9 Volume	0	0		1239	2094	3333	4 - 6 Volume	0	0		3004	1690	4694
7 - 9 Peak Hour				07:15	07:30	07:15	4 - 6 Peak Hour				16:45	17:00	16:45
7 - 9 Pk Volume	0	0		645	1130	1773	4 - 6 Pk Volume	0	0		1620	884	2473
Pk Hr Factor	0.000	0.000		0.886	0.926	0.957	Pk Hr Factor	0.000	0.000		0.957	0.961	0.963

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Fashion Valley Rd & Via De La Moda

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_013

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	117	11	0	0	0	0	0	0	0	0	0	0	128
01:00	0	90	4	0	0	0	0	0	0	0	0	0	0	94
02:00	0	46	2	0	0	0	0	0	0	0	0	0	0	48
03:00	0	59	4	0	1	0	0	0	0	0	0	0	0	64
04:00	0	96	7	1	1	0	0	0	1	0	0	0	0	106
05:00	0	315	29	3	11	0	0	3	1	0	0	0	0	362
06:00	0	744	58	8	30	1	0	4	0	0	0	0	0	845
07:00	4	1679	105	9	32	4	0	6	1	0	0	0	0	1840
08:00	3	1845	122	12	35	3	0	4	2	0	0	0	0	2026
09:00	1	1217	83	5	33	4	0	4	1	0	0	0	0	1348
10:00	7	1158	78	8	29	0	0	2	0	0	0	0	0	1282
11:00	4	1227	90	7	27	0	0	3	0	0	0	0	0	1358
12:00 PM	6	1444	92	10	23	1	1	2	0	0	0	0	0	1579
13:00	4	1399	80	5	29	0	0	1	0	0	0	0	0	1518
14:00	4	1397	88	8	31	2	0	1	0	0	0	0	0	1531
15:00	2	1716	104	12	25	1	0	1	0	0	0	0	0	1861
16:00	6	2337	132	8	33	0	0	3	0	0	0	0	0	2519
17:00	6	2161	113	7	27	1	0	3	0	0	0	0	0	2318
18:00	3	1600	75	10	19	0	0	2	0	0	0	0	0	1709
19:00	4	1248	53	7	10	1	0	2	0	0	0	0	0	1325
20:00	0	1036	41	4	8	0	0	0	1	0	0	0	0	1090
21:00	4	775	34	4	6	0	0	0	1	0	0	0	0	824
22:00	1	485	21	2	0	0	0	0	0	0	0	0	0	509
23:00	0	247	14	1	3	0	0	0	0	0	0	0	0	265
Totals	**59**	**24438**	**1440**	**131**	**413**	**18**	**1**	**41**	**8**					**26549**
% of Totals	0%	92%	5%	0%	2%	0%	0%	0%	0%					100%
AM Volumes	19	8593	593	53	199	12	0	26	6	0	0	0	0	9501
% AM	0%	32%	2%	0%	1%	0%		0%	0%					36%
AM Peak Hour	10:00	08:00	08:00	08:00	08:00	07:00		07:00	08:00					08:00
Volume	7	1845	122	12	35	4		6	2					2026
PM Volumes	40	15845	847	78	214	6	1	15	2	0	0	0	0	17048
% PM	0%	60%	3%	0%	1%	0%	0%	0%	0%					64%
PM Peak Hour	12:00	16:00	16:00	15:00	16:00	14:00	12:00	16:00	20:00					16:00
Volume	6	2337	132	12	33	2	1	3	1					2519

Directional Peak Periods All Classes	AM 7-9 Volume	AM 7-9 %	NOON 12-2 Volume	NOON 12-2 %	PM 4-6 Volume	PM 4-6 %	Off Peak Volumes Volume	Off Peak Volumes %
	3866	15%	3097	12%	4837	18%	14749	56%

Classification Definitions

1 Motorcycles	**4** Buses	**7** > =4-Axle Single Units	**10** >=6-Axle Single Trailers	**13** >=7-Axle Multi-Trailers
2 Passenger Cars	**5** 2-Axle, 6-Tire Single Units	**8** <=4-Axle Single Trailers	**11** <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	**6** 3-Axle Single Units	**9** 5-Axle Single Trailers	**12** 6-Axle Multi-Trailers	

13

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Friars Rd Bet. Fashion Valley Rd & Via De La Moda

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_013

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,122	12,427	26,549

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00	0	0	18		20		38		12:00	0	0	226		170		396	
00:15	0	0	19		20		39		12:15	0	0	200		168		368	
00:30	0	0	9		21		30		12:30	0	0	230		171		401	
00:45	0	0	12	58	9	70	21	128	12:45	0	0	208	864	206	715	414	1579
01:00	0	0	14		16		30		13:00	0	0	235		149		384	
01:15	0	0	11		12		23		13:15	0	0	193		169		362	
01:30	0	0	10		15		25		13:30	0	0	206		192		398	
01:45	0	0	5	40	11	54	16	94	13:45	0	0	201	835	173	683	374	1518
02:00	0	0	10		9		19		14:00	0	0	224		179		403	
02:15	0	0	4		8		12		14:15	0	0	211		167		378	
02:30	0	0	4		5		9		14:30	0	0	205		145		350	
02:45	0	0	4	22	4	26	8	48	14:45	0	0	222	862	178	669	400	1531
03:00	0	0	4		4		8		15:00	0	0	241		188		429	
03:15	0	0	5		12		17		15:15	0	0	229		183		412	
03:30	0	0	11		11		22		15:30	0	0	330		183		513	
03:45	0	0	7	27	10	37	17	64	15:45	0	0	342	1142	165	719	507	1861
04:00	0	0	9		5		14		16:00	0	0	423		199		622	
04:15	0	0	7		11		18		16:15	0	0	433		201		634	
04:30	0	0	15		21		36		16:30	0	0	426		214		640	
04:45	0	0	19	50	19	56	38	106	16:45	0	0	403	1685	220	834	623	2519
05:00	0	0	27		36		63		17:00	0	0	404		235		639	
05:15	0	0	36		41		77		17:15	0	0	409		222		631	
05:30	0	0	55		42		97		17:30	0	0	381		202		583	
05:45	0	0	69	187	56	175	125	362	17:45	0	0	269	1463	196	855	465	2318
06:00	0	0	68		68		136		18:00	0	0	308		168		476	
06:15	0	0	65		93		158		18:15	0	0	223		215		438	
06:30	0	0	129		126		255		18:30	0	0	232		212		444	
06:45	0	0	102	364	194	481	296	845	18:45	0	0	183	946	168	763	351	1709
07:00	0	0	149		212		361		19:00	0	0	239		157		396	
07:15	0	0	154		302		456		19:15	0	0	181		137		318	
07:30	0	0	217		301		518		19:30	0	0	180		134		314	
07:45	0	0	175	695	330	1145	505	1840	19:45	0	0	143	743	154	582	297	1325
08:00	0	0	148		348		496		20:00	0	0	166		110		276	
08:15	0	0	151		387		538		20:15	0	0	136		118		254	
08:30	0	0	183		352		535		20:30	0	0	160		124		284	
08:45	0	0	144	626	313	1400	457	2026	20:45	0	0	160	622	116	468	276	1090
09:00	0	0	161		202		363		21:00	0	0	136		122		258	
09:15	0	0	180		158		338		21:15	0	0	101		105		206	
09:30	0	0	181		162		343		21:30	0	0	102		94		196	
09:45	0	0	153	675	151	673	304	1348	21:45	0	0	93	432	71	392	164	824
10:00	0	0	154		149		303		22:00	0	0	60		85		145	
10:15	0	0	176		140		316		22:15	0	0	67		69		136	
10:30	0	0	174		154		328		22:30	0	0	57		60		117	
10:45	0	0	182	686	153	596	335	1282	22:45	0	0	49	233	62	276	111	509
11:00	0	0	170		157		327		23:00	0	0	45		41		86	
11:15	0	0	190		137		327		23:15	0	0	26		42		68	
11:30	0	0	176		173		349		23:30	0	0	28		32		60	
11:45	0	0	206	742	149	616	355	1358	23:45	0	0	24	123	27	142	51	265
TOTALS				4172		5329		9501	TOTALS				9950		7098		17048
SPLIT %				43.9%		56.1%		35.8%	SPLIT %				58.4%		41.6%		64.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	14,122	12,427	26,549

AM Peak Hour			11:45	07:45	07:45	PM Peak Hour			16:00	16:30	16:15
AM Pk Volume			862	1417	2074	PM Pk Volume			1642	891	2536
Pk Hr Factor			0.478	0.915	0.964	Pk Hr Factor			0.964	0.910	0.991
7 - 9 Volume	0	0	1321	2545	3866	4 - 6 Volume	0	0	3148	1689	4837
7 - 9 Peak Hour			07:00	07:45	07:45	4 - 6 Peak Hour			16:00	16:30	16:15
7 - 9 Pk Volume	0	0	695	1417	2074	4 - 6 Pk Volume	0	0	1685	891	2536
Pk Hr Factor	0.000	0.000	0.801	0.915	0.964	Pk Hr Factor	0.000	0.000	0.973	0.948	0.991

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Via De La Moda & Fashion Valley Dwy

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_014

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,646	11,541	25,187

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			24		21		45		12:00			201		162		363	
00:15			37		24		61		12:15			209		166		375	
00:30			12		13		25		12:30			200		198		398	
00:45			5	78	11	69	16	147	12:45			199	809	193	719	392	1528
01:00			7		10		17		13:00			185		145		330	
01:15			11		7		18		13:15			215		165		380	
01:30			18		8		26		13:30			210		154		364	
01:45			6	42	6	31	12	73	13:45			190	800	140	604	330	1404
02:00			4		8		12		14:00			191		158		349	
02:15			2		6		8		14:15			195		144		339	
02:30			4		4		8		14:30			200		168		368	
02:45			9	19	6	24	15	43	14:45			220	806	163	633	383	1439
03:00			8		8		16		15:00			205		158		363	
03:15			4		5		9		15:15			281		184		465	
03:30			7		6		13		15:30			257		201		458	
03:45			7	26	10	29	17	55	15:45			305	1048	179	722	484	1770
04:00			2		9		11		16:00			337		168		505	
04:15			5		9		14		16:15			326		204		530	
04:30			6		11		17		16:30			388		220		608	
04:45			21	34	19	48	40	82	16:45			359	1410	201	793	560	2203
05:00			26		21		47		17:00			388		206		594	
05:15			34		41		75		17:15			414		223		637	
05:30			43		41		84		17:30			406		233		639	
05:45			57	160	70	173	127	333	17:45			352	1560	240	902	592	2462
06:00			61		58		119		18:00			277		215		492	
06:15			67		82		149		18:15			250		202		452	
06:30			94		110		204		18:30			245		158		403	
06:45			129	351	158	408	287	759	18:45			223	995	174	749	397	1744
07:00			136		177		313		19:00			207		147		354	
07:15			139		264		403		19:15			206		145		351	
07:30			164		265		429		19:30			195		136		331	
07:45			172	611	274	980	446	1591	19:45			196	804	129	557	325	1361
08:00			158		255		413		20:00			194		143		337	
08:15			153		245		398		20:15			165		134		299	
08:30			147		320		467		20:30			133		110		243	
08:45			162	620	236	1056	398	1676	20:45			129	621	120	507	249	1128
09:00			129		187		316		21:00			126		113		239	
09:15			129		157		286		21:15			114		97		211	
09:30			161		163		324		21:30			102		81		183	
09:45			157	576	142	649	299	1225	21:45			75	417	101	392	176	809
10:00			154		151		305		22:00			98		76		174	
10:15			156		124		280		22:15			80		58		138	
10:30			185		139		324		22:30			54		57		111	
10:45			179	674	140	554	319	1228	22:45			34	266	27	218	61	484
11:00			169		140		309		23:00			43		35		78	
11:15			218		157		375		23:15			38		44		82	
11:30			182		161		343		23:30			37		26		63	
11:45			207	776	134	592	341	1368	23:45			25	143	27	132	52	275
TOTALS				3967		4613		8580	TOTALS				9679		6928		16607
SPLIT %				46.2%		53.8%		34.1%	SPLIT %				58.3%		41.7%		65.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,646	11,541	25,187

AM Peak Hour			11:45	07:45	07:45	PM Peak Hour			16:45	17:15	17:00
AM Pk Volume			817	1094	1724	PM Pk Volume			1567	911	2462
Pk Hr Factor			0.977	0.855	0.923	Pk Hr Factor			0.946	0.949	0.963
7 - 9 Volume	0	0	1231	2036	3267	4 - 6 Volume	0	0	2970	1695	4665
7 - 9 Peak Hour			07:30	07:45	07:45	4 - 6 Peak Hour			16:45	17:00	17:00
7 - 9 Pk Volume	0	0	647	1094	1724	4 - 6 Pk Volume	0	0	1567	902	2462
Pk Hr Factor	0.000	0.000	0.940	0.855	0.923	Pk Hr Factor	0.000	0.000	0.946	0.940	0.963

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Via De La Moda & Fashion Valley Dwy

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_014

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,950	12,696	26,646

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			21		35		56		12:00			220		187		407	
00:15			25		22		47		12:15			203		148		351	
00:30			10		19		29		12:30			217		175		392	
00:45			14	70	13	89	27	159	12:45			200	840	197	707	397	1547
01:00			12		15		27		13:00			223		164		387	
01:15			12		12		24		13:15			225		179		404	
01:30			10		12		22		13:30			199		159		358	
01:45			8	42	5	44	13	86	13:45			203	850	170	672	373	1522
02:00			8		12		20		14:00			214		178		392	
02:15			3		6		9		14:15			235		164		399	
02:30			2		8		10		14:30			207		153		360	
02:45			6	19	5	31	11	50	14:45			205	861	157	652	362	1513
03:00			3		9		12		15:00			234		181		415	
03:15			6		3		9		15:15			241		158		399	
03:30			8		12		20		15:30			243		208		451	
03:45			9	26	14	38	23	64	15:45			355	1073	182	729	537	1802
04:00			5		5		10		16:00			378		203		581	
04:15			11		12		23		16:15			386		218		604	
04:30			12		12		24		16:30			453		189		642	
04:45			20	48	26	55	46	103	16:45			386	1603	230	840	616	2443
05:00			25		22		47		17:00			399		231		630	
05:15			31		35		66		17:15			404		234		638	
05:30			44		46		90		17:30			377		228		605	
05:45			68	168	50	153	118	321	17:45			315	1495	191	884	506	2379
06:00			61		62		123		18:00			291		230		521	
06:15			76		83		159		18:15			259		195		454	
06:30			91		108		199		18:30			238		176		414	
06:45			127	355	157	410	284	765	18:45			175	963	149	750	324	1713
07:00			112		175		287		19:00			214		154		368	
07:15			153		271		424		19:15			209		134		343	
07:30			180		286		466		19:30			184		146		330	
07:45			201	646	313	1045	514	1691	19:45			151	758	135	569	286	1327
08:00			150		393		543		20:00			150		121		271	
08:15			146		435		581		20:15			155		123		278	
08:30			157		439		596		20:30			140		128		268	
08:45			181	634	416	1683	597	2317	20:45			160	605	118	490	278	1095
09:00			134		283		417		21:00			138		133		271	
09:15			166		185		351		21:15			127		103		230	
09:30			182		158		340		21:30			97		103		200	
09:45			157	639	142	768	299	1407	21:45			90	452	81	420	171	872
10:00			166		145		311		22:00			85		93		178	
10:15			158		135		293		22:15			70		79		149	
10:30			164		119		283		22:30			64		89		153	
10:45			187	675	163	562	350	1237	22:45			46	265	65	326	111	591
11:00			170		156		326		23:00			47		61		108	
11:15			182		139		321		23:15			42		57		99	
11:30			168		128		296		23:30			27		52		79	
11:45			197	717	168	591	365	1308	23:45			30	146	18	188	48	334
TOTALS				4039		5469		9508	TOTALS				9911		7227		17138
SPLIT %				42.5%		57.5%		35.7%	SPLIT %				57.8%		42.2%		64.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,950	12,696	26,646

AM Peak Hour			11:45	08:00	08:00	PM Peak Hour			16:30	16:45	16:30
AM Pk Volume			837	1683	2317	PM Pk Volume			1642	923	2526
Pk Hr Factor			0.951	0.958	0.970	Pk Hr Factor			0.906	0.986	0.984
7 - 9 Volume	0	0	1280	2728	4008	4 - 6 Volume	0	0	3098	1724	4822
7 - 9 Peak Hour			07:15	08:00	08:00	4 - 6 Peak Hour			16:30	16:45	16:30
7 - 9 Pk Volume	0	0	684	1683	2317	4 - 6 Pk Volume	0	0	1642	923	2526
Pk Hr Factor	0.000	0.000	0.851	0.958	0.970	Pk Hr Factor	0.000	0.000	0.906	0.986	0.984

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Fashion Valley Dwy & Avenida De Las Tiendas

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_015

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,805	12,991	25,796

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			18		19		37		12:00			208		194		402	
00:15			17		20		37		12:15			238		240		478	
00:30			10		13		23		12:30			248		279		527	
00:45			3	48	9	61	12	109	12:45			234	928	237	950	471	1878
01:00			4		12		16		13:00			239		210		449	
01:15			4		9		13		13:15			250		221		471	
01:30			10		12		22		13:30			217		201		418	
01:45			3	21	7	40	10	61	13:45			218	924	198	830	416	1754
02:00			3		7		10		14:00			234		196		430	
02:15			0		5		5		14:15			253		198		451	
02:30			1		4		5		14:30			267		187		454	
02:45			3	7	7	23	10	30	14:45			237	991	196	777	433	1768
03:00			6		5		11		15:00			247		180		427	
03:15			2		7		9		15:15			230		201		431	
03:30			3		6		9		15:30			284		216		500	
03:45			4	15	12	30	16	45	15:45			309	1070	206	803	515	1873
04:00			2		11		13		16:00			341		186		527	
04:15			3		8		11		16:15			389		221		610	
04:30			7		11		18		16:30			282		220		502	
04:45			10	22	28	58	38	80	16:45			302	1314	220	847	522	2161
05:00			17		23		40		17:00			346		246		592	
05:15			25		47		72		17:15			366		250		616	
05:30			20		42		62		17:30			310		252		562	
05:45			37	99	73	185	110	284	17:45			285	1307	254	1002	539	2309
06:00			54		56		110		18:00			248		211		459	
06:15			69		81		150		18:15			210		199		409	
06:30			95		112		207		18:30			218		176		394	
06:45			124	342	149	398	273	740	18:45			179	855	178	764	357	1619
07:00			127		171		298		19:00			185		177		362	
07:15			139		231		370		19:15			179		149		328	
07:30			170		255		425		19:30			132		155		287	
07:45			190	626	273	930	463	1556	19:45			156	652	152	633	308	1285
08:00			135		265		400		20:00			131		144		275	
08:15			155		272		427		20:15			136		125		261	
08:30			148		313		461		20:30			100		108		208	
08:45			151	589	264	1114	415	1703	20:45			107	474	117	494	224	968
09:00			123		185		308		21:00			101		102		203	
09:15			123		171		294		21:15			92		80		172	
09:30			152		182		334		21:30			94		88		182	
09:45			146	544	203	741	349	1285	21:45			64	351	88	358	152	709
10:00			143		200		343		22:00			79		68		147	
10:15			159		185		344		22:15			41		51		92	
10:30			199		195		394		22:30			31		57		88	
10:45			159	660	187	767	346	1427	22:45			23	174	25	201	48	375
11:00			151		198		349		23:00			23		31		54	
11:15			183		240		423		23:15			12		37		49	
11:30			187		214		401		23:30			20		25		45	
11:45			203	724	207	859	410	1583	23:45			13	68	33	126	46	194
TOTALS				3697		5206		**8903**	**TOTALS**				9108		7785		**16893**
SPLIT %				41.5%		58.5%		**34.5%**	**SPLIT %**				53.9%		46.1%		**65.5%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,805	12,991	25,796

AM Peak Hour			11:45	07:45	**11:45**	**PM Peak Hour**			16:45	17:00	**17:00**
AM Pk Volume			897	1123	**1817**	**PM Pk Volume**			1324	1002	**2309**
Pk Hr Factor			0.904	0.897	**0.862**	**Pk Hr Factor**			0.904	0.986	**0.937**
7 - 9 Volume	0	0	1215	2044	**3259**	**4 - 6 Volume**	0	0	2621	1849	**4470**
7 - 9 Peak Hour			07:30	07:45	**07:45**	**4 - 6 Peak Hour**			16:45	17:00	**17:00**
7 - 9 Pk Volume	0	0	650	1123	**1751**	**4 - 6 Pk Volume**	0	0	1324	1002	**2309**
Pk Hr Factor	0.000	0.000	0.855	0.897	**0.945**	**Pk Hr Factor**	0.000	0.000	0.904	0.986	**0.937**

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Fashion Valley Dwy & Avenida De Las Tiendas

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_015

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,570	14,287	27,857

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			12		35		47		12:00			243		249		492	
00:15			13		16		29		12:15			236		231		467	
00:30			9		17		26		12:30			275		251		526	
00:45			3	37	12	80	15	117	12:45			251	1005	247	978	498	1983
01:00			6		14		20		13:00			226		228		454	
01:15			6		15		21		13:15			272		228		500	
01:30			4		15		19		13:30			208		188		396	
01:45			3	19	6	50	9	69	13:45			243	949	202	846	445	1795
02:00			2		11		13		14:00			255		220		475	
02:15			2		7		9		14:15			286		212		498	
02:30			2		8		10		14:30			301		169		470	
02:45			2	8	6	32	8	40	14:45			263	1105	193	794	456	1899
03:00			4		8		12		15:00			218		197		415	
03:15			3		4		7		15:15			225		189		414	
03:30			5		14		19		15:30			307		215		522	
03:45			6	18	19	45	25	63	15:45			323	1073	217	818	540	1891
04:00			3		8		11		16:00			381		206		587	
04:15			4		10		14		16:15			382		247		629	
04:30			9		15		24		16:30			305		206		511	
04:45			13	29	30	63	43	92	16:45			306	1374	262	921	568	2295
05:00			22		23		45		17:00			342		259		601	
05:15			24		34		58		17:15			340		263		603	
05:30			16		54		70		17:30			367		282		649	
05:45			41	103	59	170	100	273	17:45			320	1369	225	1029	545	2398
06:00			50		70		120		18:00			282		233		515	
06:15			61		83		144		18:15			249		214		463	
06:30			97		103		200		18:30			192		210		402	
06:45			146	354	161	417	307	771	18:45			196	919	185	842	381	1761
07:00			116		171		287		19:00			206		175		381	
07:15			131		267		398		19:15			213		167		380	
07:30			186		286		472		19:30			138		162		300	
07:45			218	651	307	1031	525	1682	19:45			146	703	142	646	288	1349
08:00			141		360		501		20:00			147		129		276	
08:15			173		418		591		20:15			121		117		238	
08:30			150		442		592		20:30			92		126		218	
08:45			160	624	410	1630	570	2254	20:45			128	488	114	486	242	974
09:00			129		261		390		21:00			113		112		225	
09:15			146		219		365		21:15			106		89		195	
09:30			141		189		330		21:30			113		97		210	
09:45			174	590	212	881	386	1471	21:45			72	404	64	362	136	766
10:00			151		214		365		22:00			95		83		178	
10:15			160		177		337		22:15			50		87		137	
10:30			196		186		382		22:30			37		76		113	
10:45			176	683	232	809	408	1492	22:45			38	220	64	310	102	530
11:00			169		214		383		23:00			33		57		90	
11:15			212		211		423		23:15			15		58		73	
11:30			191		206		397		23:30			24		42		66	
11:45			186	758	229	860	415	1618	23:45			15	87	30	187	45	274
TOTALS				3874		6068		9942	TOTALS				9696		8219		17915
SPLIT %				39.0%		61.0%		35.7%	SPLIT %				54.1%		45.9%		64.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	13,570	14,287	27,857

AM Peak Hour			11:45	08:00	08:00	PM Peak Hour			15:30	16:45	16:45
AM Pk Volume			940	1630	2254	PM Pk Volume			1393	1066	2421
Pk Hr Factor			0.855	0.922	0.952	Pk Hr Factor			0.912	0.945	0.933
7 - 9 Volume	0	0	1275	2661	3936	4 - 6 Volume	0	0	2743	1950	4693
7 - 9 Peak Hour			07:30	08:00	08:00	4 - 6 Peak Hour			16:00	16:45	16:45
7 - 9 Pk Volume	0	0	718	1630	2254	4 - 6 Pk Volume	0	0	1374	1066	2421
Pk Hr Factor	0.000	0.000	0.823	0.922	0.952	Pk Hr Factor	0.000	0.000	0.899	0.945	0.933

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			33		18			12:00			284		426		
00:15			28		20			12:15			318		418		
00:30			20		15			12:30			333		466		
00:45			18	99	19	72	171	12:45			325	1260	418	1728	2988
01:00			19		11			13:00			333		405		
01:15			11		16			13:15			305		384		
01:30			8		12			13:30			365		365		
01:45			9	47	8	47	94	13:45			384	1387	333	1487	2874
02:00			10		9			14:00			388		305		
02:15			5		10			14:15			366		299		
02:30			4		11			14:30			399		313		
02:45			6	25	8	38	63	14:45			406	1559	305	1222	2781
03:00			5		9			15:00			421		326		
03:15			9		10			15:15			444		333		
03:30			10		7			15:30			405		315		
03:45			5	29	15	41	70	15:45			415	1685	342	1316	3001
04:00			4		18			16:00			495		366		
04:15			9		22			16:15			556		375		
04:30			15		23			16:30			598		352		
04:45			22	50	44	107	157	16:45			515	2164	415	1508	3672
05:00			35		51			17:00			544		388		
05:15			40		68			17:15			605		412		
05:30			51		70			17:30			488		406		
05:45			68	194	84	273	467	17:45			468	2105	384	1590	3695
06:00			77		91			18:00			444		355		
06:15			84		121			18:15			404		342		
06:30			121		145			18:30			323		318		
06:45			135	417	222	579	996	18:45			318	1489	326	1341	2830
07:00			151		235			19:00			284		316		
07:15			184		315			19:15			299		305		
07:30			235		342			19:30			242		284		
07:45			219	789	375	1267	2056	19:45			222	1047	222	1127	2174
08:00			211		354			20:00			218		205		
08:15			205		318			20:15			205		161		
08:30			189		333			20:30			184		141		
08:45			191	796	305	1310	2106	20:45			161	768	108	615	1383
09:00			184		284			21:00			132		88		
09:15			122		262			21:15			141		70		
09:30			135		242			21:30			151		65		
09:45			141	582	251	1039	1621	21:45			166	590	77	300	890
10:00			168		284			22:00			122		54		
10:15			184		275			22:15			108		40		
10:30			195		312			22:30			88		35		
10:45			206	753	333	1204	1957	22:45			70	388	28	157	545
11:00			235		390			23:00			65		33		
11:15			254		377			23:15			44		31		
11:30			295		388			23:30			45		28		
11:45			265	1049	388	1543	2592	23:45			35	189	26	118	307
Total Vol.			4830		7520		**12350**				14631		12509		**27140**

Daily Totals

NB	SB	EB	WB	Combined
		19461	20029	**39490**

	AM			PM		
Split %	39.1%	60.9%	**31.3%**	53.9%	46.1%	**68.7%**
Peak Hour	11:45	11:45	**11:45**	16:30	12:00	**16:30**
Volume	1200	1698	**2898**	2262	1728	**3829**
P.H.F.	0.90	0.91	**0.91**	0.93	0.93	**0.94**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From Avenida De Las Tiendas to Ulric Street/SR-163 SB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			40		33			12:00			270		418		
00:15			22		28			12:15			315		435		
00:30			28		20			12:30			333		466		
00:45			20	110	19	100	210	12:45			341	1259	419	1738	2997
01:00			19		22			13:00			333		404		
01:15			22		28			13:15			305		388		
01:30			16		20			13:30			318		366		
01:45			11	68	15	85	153	13:45			326	1282	318	1476	2758
02:00			15		11			14:00			333		333		
02:15			9		9			14:15			305		313		
02:30			12		12			14:30			315		342		
02:45			8	44	16	48	92	14:45			366	1319	326	1314	2633
03:00			9		11			15:00			395		352		
03:15			11		11			15:15			384		368		
03:30			8		8			15:30			406		340		
03:45			4	32	9	39	71	15:45			425	1610	333	1393	3003
04:00			9		10			16:00			488		366		
04:15			11		35			16:15			529		384		
04:30			16		44			16:30			615		365		
04:45			28	64	51	140	204	16:45			503	2135	444	1559	3694
05:00			35		68			17:00			555		370		
05:15			44		70			17:15			569		415		
05:30			68		88			17:30			532		406		
05:45			84	231	99	325	556	17:45			550	2206	384	1575	3781
06:00			90		70			18:00			506		395		
06:15			91		118			18:15			444		362		
06:30			130		165			18:30			465		336		
06:45			148	459	242	595	1054	18:45			403	1818	348	1441	3259
07:00			131		222			19:00			362		312		
07:15			188		335			19:15			284		290		
07:30			215		341			19:30			262		270		
07:45			228	762	388	1286	2048	19:45			270	1178	252	1124	2302
08:00			178		465			20:00			262		222		
08:15			161		512			20:15			200		166		
08:30			184		541			20:30			213		168		
08:45			188	711	506	2024	2735	20:45			154	829	151	707	1536
09:00			181		448			21:00			140		108		
09:15			155		445			21:15			111		88		
09:30			145		352			21:30			126		95		
09:45			155	636	318	1563	2199	21:45			115	492	78	369	861
10:00			162		333			22:00			105		85		
10:15			131		284			22:15			88		60		
10:30			184		262			22:30			91		40		
10:45			222	699	318	1197	1896	22:45			70	354	32	217	571
11:00			244		399			23:00			66		22		
11:15			238		384			23:15			77		29		
11:30			266		365			23:30			54		20		
11:45			298	1046	395	1543	2589	23:45			33	230	32	103	333
Total Vol.				4862		8945	**13807**					14712		13016	**27728**

Daily Totals

NB	SB	EB	WB	Combined
		19574	21961	**41535**

	AM			PM		
Split %	35.2%	64.8%	**33.2%**	53.1%	46.9%	**66.8%**
Peak Hour	11:45	08:00	**11:45**	16:30	12:00	**16:30**
Volume	1216	2024	**2930**	2242	1738	**3836**
P.H.F.	0.91	0.94	**0.92**	0.91	0.93	**0.97**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From Ulric Street/SR-163 SB Ramps to SR-163 NB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			40		38			12:00			412		418		
00:15			30		40			12:15			444		435		
00:30			22		28			12:30			462		403		
00:45			20	112	21	127	239	12:45			451	1769	456	1712	3481
01:00			18		22			13:00			484		474		
01:15			20		19			13:15			474		435		
01:30			16		20			13:30			454		405		
01:45			19	73	16	77	150	13:45			444	1856	444	1758	3614
02:00			10		11			14:00			406		425		
02:15			11		15			14:15			416		408		
02:30			15		19			14:30			403		384		
02:45			18	54	11	56	110	14:45			421	1646	425	1642	3288
03:00			10		8			15:00			433		444		
03:15			9		9			15:15			451		415		
03:30			5		11			15:30			505		515		
03:45			4	28	18	46	74	15:45			519	1908	535	1909	3817
04:00			9		21			16:00			535		546		
04:15			22		16			16:15			666		515		
04:30			31		19			16:30			635		544		
04:45			25	87	44	100	187	16:45			718	2554	568	2173	4727
05:00			44		51			17:00			726		518		
05:15			50		68			17:15			655		535		
05:30			88		77			17:30			689		555		
05:45			121	303	91	287	590	17:45			622	2692	518	2126	4818
06:00			162		154			18:00			519		404		
06:15			229		168			18:15			544		421		
06:30			252		235			18:30			484		405		
06:45			284	927	319	876	1803	18:45			435	1982	384	1614	3596
07:00			313		305			19:00			435		388		
07:15			333		342			19:15			444		384		
07:30			356		451			19:30			318		291		
07:45			419	1421	505	1603	3024	19:45			365	1562	262	1325	2887
08:00			405		516			20:00			305		270		
08:15			384		518			20:15			284		284		
08:30			362		566			20:30			184		235		
08:45			342	1493	489	2089	3582	20:45			165	938	222	1011	1949
09:00			333		404			21:00			177		206		
09:15			342		323			21:15			191		213		
09:30			325		333			21:30			165		141		
09:45			319	1319	342	1402	2721	21:45			135	668	111	671	1339
10:00			305		333			22:00			105		105		
10:15			332		318			22:15			88		98		
10:30			368		365			22:30			90		105		
10:45			370	1375	388	1404	2779	22:45			70	353	84	392	745
11:00			355		419			23:00			65		70		
11:15			345		416			23:15			77		65		
11:30			405		444			23:30			54		44		
11:45			419	1524	435	1714	3238	23:45			42	238	35	214	452
Total Vol.				8716		9781	**18497**					18166		16547	**34713**

Daily Totals

NB	SB	EB	WB	Combined
		26882	26328	**53210**

	AM			PM		
Split %	47.1%	52.9%	**34.8%**	52.3%	47.7%	**65.2%**
Peak Hour	11:45	07:45	**07:45**	16:45	16:45	**16:45**
Volume	1737	2105	**3675**	2788	2176	**4964**
P.H.F.	0.94	0.93	**0.99**	0.96	0.96	**0.97**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From Ulric Street/SR-163 SB Ramps to SR-163 NB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			35		41			12:00			389		398		
00:15			28		40			12:15			416		415		
00:30			21		35			12:30			400		444		
00:45			19	103	33	149	252	12:45			414	1619	413	1670	3289
01:00			20		28			13:00			462		454		
01:15			22		20			13:15			435		456		
01:30			15		19			13:30			444		404		
01:45			18	75	20	87	162	13:45			405	1746	399	1713	3459
02:00			20		16			14:00			389		384		
02:15			13		18			14:15			388		388		
02:30			11		22			14:30			399		389		
02:45			15	59	13	69	128	14:45			349	1525	412	1573	3098
03:00			11		14			15:00			396		406		
03:15			16		10			15:15			419		428		
03:30			10		8			15:30			444		484		
03:45			8	45	9	41	86	15:45			511	1770	454	1772	3542
04:00			9		15			16:00			635		512		
04:15			15		18			16:15			684		621		
04:30			45		22			16:30			698		588		
04:45			51	120	35	90	210	16:45			715	2732	615	2336	5068
05:00			44		55			17:00			788		659		
05:15			68		70			17:15			715		592		
05:30			70		84			17:30			705		561		
05:45			109	291	99	308	599	17:45			598	2806	503	2315	5121
06:00			165		128			18:00			555		484		
06:15			210		141			18:15			505		444		
06:30			284		219			18:30			464		412		
06:45			319	978	235	723	1701	18:45			444	1968	382	1722	3690
07:00			305		362			19:00			404		355		
07:15			310		469			19:15			419		362		
07:30			416		484			19:30			318		333		
07:45			421	1452	515	1830	3282	19:45			306	1447	280	1330	2777
08:00			395		505			20:00			377		295		
08:15			399		568			20:15			295		212		
08:30			366		578			20:30			215		211		
08:45			352	1512	505	2156	3668	20:45			205	1092	205	923	2015
09:00			349		404			21:00			180		210		
09:15			363		384			21:15			174		184		
09:30			377		316			21:30			111		151		
09:45			326	1415	333	1437	2852	21:45			141	606	144	689	1295
10:00			309		318			22:00			135		101		
10:15			328		342			22:15			95		106		
10:30			316		355			22:30			77		84		
10:45			342	1295	362	1377	2672	22:45			68	375	70	361	736
11:00			362		380			23:00			51		40		
11:15			355		411			23:15			44		35		
11:30			384		400			23:30			40		42		
11:45			391	1492	416	1607	3099	23:45			38	173	31	148	321
Total Vol.			8837		9874		**18711**				17859		16552		**34411**

Daily Totals

NB	SB	EB	WB	Combined
		26696	26426	**53122**

	AM			PM		
Split %	47.2%	52.8%	**35.2%**	51.9%	48.1%	**64.8%**
Peak Hour	07:30	07:45	**07:45**	16:45	16:15	**16:30**
Volume	1631	2166	**3747**	2923	2483	**5370**
P.H.F.	0.97	0.94	**0.97**	0.93	0.94	**0.93**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From SR-163 NB Ramps to Frazee Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			55		40			12:00			354		338		
00:15			42		45			12:15			345		345		
00:30			35		50			12:30			362		395		
00:45			40	172	40	175	347	12:45			384	1445	404	1482	2927
01:00			28		35			13:00			333		419		
01:15			29		44			13:15			342		403		
01:30			20		41			13:30			384		416		
01:45			19	96	28	148	244	13:45			395	1454	365	1603	3057
02:00			20		21			14:00			419		377		
02:15			16		19			14:15			465		384		
02:30			11		20			14:30			444		395		
02:45			15	62	16	76	138	14:45			428	1756	384	1540	3296
03:00			16		18			15:00			495		410		
03:15			11		22			15:15			513		464		
03:30			18		19			15:30			542		444		
03:45			35	80	21	80	160	15:45			513	2063	451	1769	3832
04:00			44		35			16:00			618		484		
04:15			51		40			16:15			605		526		
04:30			68		44			16:30			666		555		
04:45			78	241	51	170	411	16:45			712	2601	562	2127	4728
05:00			81		90			17:00			745		598		
05:15			94		77			17:15			698		568		
05:30			111		126			17:30			642		542		
05:45			151	437	159	452	889	17:45			625	2710	509	2217	4927
06:00			184		219			18:00			626		444		
06:15			235		205			18:15			584		416		
06:30			222		222			18:30			505		406		
06:45			295	936	284	930	1866	18:45			484	2199	384	1650	3849
07:00			319		351			19:00			395		395		
07:15			421		428			19:15			384		384		
07:30			488		465			19:30			305		388		
07:45			461	1689	555	1799	3488	19:45			322	1406	352	1519	2925
08:00			568		518			20:00			284		313		
08:15			505		542			20:15			268		305		
08:30			518		506			20:30			222		284		
08:45			451	2042	513	2079	4121	20:45			248	1022	262	1164	2186
09:00			419		484			21:00			219		222		
09:15			405		405			21:15			180		216		
09:30			384		362			21:30			121		200		
09:45			352	1560	385	1636	3196	21:45			105	625	180	818	1443
10:00			333		333			22:00			111		165		
10:15			318		319			22:15			80		70		
10:30			305		326			22:30			70		54		
10:45			342	1298	333	1311	2609	22:45			54	315	44	333	648
11:00			316		315			23:00			55		40		
11:15			342		342			23:15			35		35		
11:30			313		348			23:30			42		40		
11:45			333	1304	326	1331	2635	23:45			38	170	44	159	329
Total Vol.			9917		10187		**20104**				17766		16381		**34147**

Daily Totals

NB	SB	EB	WB	Combined
		27683	26568	**54251**

	AM			PM		
Split %	49.3%	50.7%	**37.1%**	52.0%	48.0%	**62.9%**
Peak Hour	07:45	07:45	**07:45**	16:30	16:30	**16:30**
Volume	2052	2121	**4173**	2821	2283	**5104**
P.H.F.	0.90	0.96	**0.96**	0.95	0.95	**0.95**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From SR-163 NB Ramps to Frazee Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			44		50			12:00			368		384		
00:15			32		44			12:15			377		362		
00:30			34		51			12:30			384		374		
00:45			28	138	28	173	311	12:45			336	1465	385	1505	2970
01:00			22		21			13:00			315		391		
01:15			21		35			13:15			363		416		
01:30			23		33			13:30			315		444		
01:45			15	81	41	130	211	13:45			345	1338	405	1656	2994
02:00			19		28			14:00			395		384		
02:15			11		20			14:15			345		412		
02:30			11		16			14:30			384		406		
02:45			15	56	18	82	138	14:45			416	1540	418	1620	3160
03:00			18		20			15:00			405		409		
03:15			19		19			15:15			425		424		
03:30			15		15			15:30			456		468		
03:45			11	63	11	65	128	15:45			484	1770	474	1775	3545
04:00			19		31			16:00			615		525		
04:15			44		28			16:15			666		526		
04:30			35		41			16:30			681		566		
04:45			68	166	55	155	321	16:45			715	2677	603	2220	4897
05:00			70		68			17:00			542		574		
05:15			84		84			17:15			409		535		
05:30			91		111			17:30			689		541		
05:45			141	386	145	408	794	17:45			621	2261	513	2163	4424
06:00			162		235			18:00			584		484		
06:15			191		242			18:15			519		461		
06:30			235		252			18:30			506		444		
06:45			256	844	268	997	1841	18:45			516	2125	419	1808	3933
07:00			342		351			19:00			425		406		
07:15			428		444			19:15			404		385		
07:30			451		485			19:30			385		333		
07:45			513	1734	513	1793	3527	19:45			345	1559	346	1470	3029
08:00			568		562			20:00			318		319		
08:15			488		551			20:15			288		303		
08:30			492		589			20:30			265		316		
08:45			461	2009	477	2179	4188	20:45			248	1119	284	1222	2341
09:00			411		413			21:00			235		219		
09:15			408		444			21:15			222		235		
09:30			416		385			21:30			184		221		
09:45			404	1639	333	1575	3214	21:45			116	757	202	877	1634
10:00			358		345			22:00			97		155		
10:15			342		328			22:15			84		80		
10:30			333		306			22:30			88		91		
10:45			316	1349	345	1324	2673	22:45			70	339	54	380	719
11:00			305		355			23:00			54		40		
11:15			318		352			23:15			44		33		
11:30			363		368			23:30			48		42		
11:45			312	1298	345	1420	2718	23:45			35	181	32	147	328
Total Vol.			9763		10301		**20064**				17131		16843		**33974**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			26894	27144	**54038**

	AM			**PM**		
Split %	48.7%	51.3%	**37.1%**	50.4%	49.6%	**62.9%**
Peak Hour	07:45	07:45	**07:45**	16:00	16:30	**16:00**
Volume	2061	2215	**4276**	2677	2278	**4897**
P.H.F.	0.91	0.94	**0.95**	0.94	0.94	**0.93**

Segment ID: 19

Friars Rd from Frazee Rd to Mission Center Rd

AM Peak Period Heavy Vehicle Percentage: 1.95%

Noon Peak Period Heavy Vehicle Percentage: 1.75%

PM Period Heavy Vehicle Percentage: 1.30%

Average Daily Heavy Vehicle Percentage: 1.50%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Frazee Rd & Mission Center Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_019

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	174	6	0	0	0	0	0	0	0	0	0	0	180
01:00	0	95	10	0	0	0	0	0	0	0	0	0	0	105
02:00	0	70	4	0	2	0	0	0	1	0	0	0	0	77
03:00	0	75	3	0	2	0	0	0	3	0	0	0	0	83
04:00	0	164	10	0	1	0	0	0	1	0	0	0	0	176
05:00	0	471	38	0	7	0	0	0	5	0	0	0	0	521
06:00	0	1157	97	2	35	0	0	1	3	0	0	0	0	1295
07:00	2	2404	161	3	39	4	0	4	3	0	0	0	0	2620
08:00	2	2345	135	5	32	1	0	8	1	0	0	0	0	2529
09:00	4	1830	132	3	32	4	1	2	1	0	0	0	0	2009
10:00	4	1970	129	1	41	1	0	5	0	0	0	0	0	2151
11:00	3	2350	160	5	43	2	0	3	2	0	0	0	0	2568
12:00 PM	2	2638	178	0	39	6	0	2	0	0	0	0	0	2865
13:00	4	2478	155	1	39	5	0	0	2	0	0	0	0	2684
14:00	0	2459	148	2	51	1	1	5	0	0	0	0	0	2667
15:00	7	2943	179	2	27	1	0	1	1	0	0	0	0	3161
16:00	2	3322	188	0	46	0	0	2	3	0	0	0	0	3563
17:00	3	3413	179	1	43	2	1	0	1	0	0	0	0	3643
18:00	2	2724	143	2	23	2	0	0	0	0	0	0	0	2896
19:00	2	2206	111	0	17	0	0	0	0	0	0	0	0	2336
20:00	0	1554	78	0	11	1	0	0	0	0	0	0	0	1644
21:00	0	1173	58	0	9	0	0	0	0	0	0	0	0	1240
22:00	0	676	31	1	6	0	0	0	0	0	0	0	0	714
23:00	0	364	19	0	0	0	0	0	1	0	0	0	0	384
Totals	37	39055	2352	28	545	30	3	33	28					42111
% of Totals	0%	93%	6%	0%	1%	0%	0%	0%	0%					100%

AM Volumes	15	13105	885	19	234	12	1	23	20	0	0	0	0	14314
% AM	0%	31%	2%	0%	1%	0%	0%	0%	0%					34%
AM Peak Hour	09:00	07:00	07:00	08:00	11:00	07:00	09:00	08:00	05:00					07:00
Volume	4	2404	161	5	43	4	1	8	5					2620
PM Volumes	22	25950	1467	9	311	18	2	10	8	0	0	0	0	27797
% PM	0%	62%	3%	0%	1%	0%	0%	0%	0%					66%
PM Peak Hour	15:00	17:00	16:00	14:00	14:00	12:00	14:00	14:00	16:00					17:00
Volume	7	3413	188	2	51	6	1	5	3					3643

Directional Peak Periods All Classes	AM 7-9 Volume	↔	%	NOON 12-2 Volume	↔	%	PM 4-6 Volume	↔	%	Off Peak Volumes Volume	↔	%
	5149	↔	12%	5549	↔	13%	7206	↔	17%	24207	↔	57%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 >=4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

19

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Frazee Rd & Mission Center Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_019

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,226	19,885	42,111

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			47		18		65		12:00			353		342		695	
00:15			23		22		45		12:15			344		363		707	
00:30			19		17		36		12:30			388		396		784	
00:45			22	111	12	69	34	180	12:45			355	1440	324	1425	679	2865
01:00			18		14		32		13:00			380		317		697	
01:15			8		10		18		13:15			376		291		667	
01:30			20		12		32		13:30			359		314		673	
01:45			13	59	10	46	23	105	13:45			347	1462	300	1222	647	2684
02:00			13		9		22		14:00			331		313		644	
02:15			12		3		15		14:15			346		291		637	
02:30			13		6		19		14:30			360		310		670	
02:45			13	51	8	26	21	77	14:45			383	1420	333	1247	716	2667
03:00			13		7		20		15:00			400		318		718	
03:15			10		6		16		15:15			438		341		779	
03:30			11		7		18		15:30			539		311		850	
03:45			8	42	21	41	29	83	15:45			514	1891	300	1270	814	3161
04:00			10		19		29		16:00			561		343		904	
04:15			4		28		32		16:15			552		343		895	
04:30			12		42		54		16:30			506		323		829	
04:45			13	39	48	137	61	176	16:45			571	2190	364	1373	935	3563
05:00			18		63		81		17:00			575		373		948	
05:15			39		65		104		17:15			595		354		949	
05:30			53		91		144		17:30			563		348		911	
05:45			80	190	112	331	192	521	17:45			521	2254	314	1389	835	3643
06:00			69		132		201		18:00			545		283		828	
06:15			88		170		258		18:15			440		301		741	
06:30			125		266		391		18:30			403		289		692	
06:45			145	427	300	868	445	1295	18:45			382	1770	253	1126	635	2896
07:00			147		392		539		19:00			365		259		624	
07:15			220		427		647		19:15			333		252		585	
07:30			280		455		735		19:30			335		239		574	
07:45			270	917	429	1703	699	2620	19:45			313	1346	240	990	553	2336
08:00			232		435		667		20:00			252		198		450	
08:15			217		444		661		20:15			253		208		461	
08:30			253		366		619		20:30			193		185		378	
08:45			241	943	341	1586	582	2529	20:45			199	897	156	747	355	1644
09:00			225		256		481		21:00			214		134		348	
09:15			266		254		520		21:15			188		136		324	
09:30			231		268		499		21:30			154		166		320	
09:45			275	997	234	1012	509	2009	21:45			140	696	108	544	248	1240
10:00			228		237		465		22:00			136		95		231	
10:15			305		224		529		22:15			131		86		217	
10:30			312		284		596		22:30			83		47		130	
10:45			272	1117	289	1034	561	2151	22:45			90	440	46	274	136	714
11:00			305		287		592		23:00			75		46		121	
11:15			312		298		610		23:15			58		35		93	
11:30			342		330		672		23:30			50		44		94	
11:45			343	1302	351	1266	694	2568	23:45			42	225	34	159	76	384
TOTALS				6195		8119		14314	TOTALS				16031		11766		27797
SPLIT %				43.3%		56.7%		34.0%	SPLIT %				57.7%		42.3%		66.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,226	19,885	42,111

AM Peak Hour			11:45	07:30	11:45	PM Peak Hour			16:45	16:45	16:45
AM Pk Volume			1428	1763	2880	PM Pk Volume			2304	1439	3743
Pk Hr Factor			0.920	0.969	0.918	Pk Hr Factor			0.968	0.964	0.986
7 - 9 Volume	0	0	1860	3289	5149	4 - 6 Volume	0	0	4444	2762	7206
7 - 9 Peak Hour			07:15	07:30	07:30	4 - 6 Peak Hour			16:45	16:45	16:45
7 - 9 Pk Volume	0	0	1002	1763	2762	4 - 6 Pk Volume	0	0	2304	1439	3743
Pk Hr Factor	0.000	0.000	0.895	0.969	0.939	Pk Hr Factor	0.000	0.000	0.968	0.964	0.986

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Frazee Rd & Mission Center Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_019

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	239	12	0	0	0	0	0	0	0	0	0	0	251
01:00	0	174	18	0	0	0	0	0	0	0	0	0	0	192
02:00	0	97	6	0	1	0	0	0	0	0	0	0	0	104
03:00	0	73	7	0	1	0	0	0	1	0	0	0	0	82
04:00	0	160	15	0	2	0	0	0	0	0	0	0	0	177
05:00	0	427	35	0	5	0	0	1	5	0	0	0	0	473
06:00	0	1172	93	2	28	1	0	2	1	0	0	0	0	1299
07:00	9	2493	155	2	27	3	0	3	4	0	0	0	0	2696
08:00	12	2833	184	6	42	6	0	2	2	0	0	0	0	3087
09:00	2	1965	127	3	28	6	0	2	4	0	0	0	0	2137
10:00	2	2021	131	2	30	3	0	5	1	0	0	0	0	2195
11:00	3	2391	154	2	45	1	0	4	7	0	0	0	0	2607
12:00 PM	3	2634	193	2	32	1	0	6	3	0	0	0	0	2874
13:00	3	2629	164	2	34	6	0	3	2	0	0	0	0	2843
14:00	2	2598	155	3	46	0	0	5	1	0	0	0	0	2810
15:00	3	2970	179	1	32	3	0	6	3	0	0	0	0	3197
16:00	4	3476	186	0	34	2	0	4	5	0	0	0	0	3711
17:00	4	3439	173	0	40	2	0	4	1	0	0	0	0	3663
18:00	1	2523	129	2	16	3	0	0	0	0	0	0	0	2674
19:00	4	2049	100	0	15	0	0	0	0	0	0	0	0	2168
20:00	0	1581	75	0	11	1	0	0	0	0	0	0	0	1668
21:00	0	1097	44	0	15	0	0	0	0	0	0	0	0	1156
22:00	0	826	38	0	11	0	0	0	0	0	0	0	0	875
23:00	0	479	27	0	5	0	0	0	0	0	0	0	0	511
Totals	52	40346	2400	27	500	38		47	40					43450
% of Totals	0%	93%	6%	0%	1%	0%		0%	0%					100%

AM Volumes	28	14045	937	17	209	20	0	19	25	0	0	0	0	15300
% AM	0%	32%	2%	0%	0%	0%		0%	0%					35%
AM Peak Hour	08:00	08:00	08:00	08:00	11:00	08:00		10:00	11:00					08:00
Volume	12	2833	184	6	45	6		5	7					3087
PM Volumes	24	26301	1463	10	291	18	0	28	15	0	0	0	0	28150
% PM	0%	61%	3%	0%	1%	0%		0%	0%					65%
PM Peak Hour	16:00	16:00	12:00	14:00	14:00	13:00		12:00	16:00					16:00
Volume	4	3476	193	3	46	6		6	5					3711

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	5783	⟷	13%	5717	⟷	13%	7374	⟷	17%	24576	⟷	57%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Frazee Rd & Mission Center Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_019

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,677	20,773	43,450

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			38		28		66		12:00			307		332		639	
00:15			38		29		67		12:15			357		368		725	
00:30			37		29		66		12:30			378		349		727	
00:45			33	146	19	105	52	251	12:45			414	1456	369	1418	783	2874
01:00			25		25		50		13:00			424		335		759	
01:15			29		22		51		13:15			404		322		726	
01:30			18		28		46		13:30			343		339		682	
01:45			23	95	22	97	45	192	13:45			339	1510	337	1333	676	2843
02:00			20		20		40		14:00			365		353		718	
02:15			20		8		28		14:15			381		308		689	
02:30			11		6		17		14:30			375		345		720	
02:45			14	65	5	39	19	104	14:45			356	1477	327	1333	683	2810
03:00			10		7		17		15:00			426		372		798	
03:15			8		10		18		15:15			376		366		742	
03:30			11		14		25		15:30			460		371		831	
03:45			14	43	8	39	22	82	15:45			541	1803	285	1394	826	3197
04:00			6		17		23		16:00			563		331		894	
04:15			8		23		31		16:15			559		322		881	
04:30			10		44		54		16:30			621		362		983	
04:45			25	49	44	128	69	177	16:45			596	2339	357	1372	953	3711
05:00			15		54		69		17:00			579		365		944	
05:15			28		74		102		17:15			591		363		954	
05:30			50		88		138		17:30			631		323		954	
05:45			79	172	85	301	164	473	17:45			516	2317	295	1346	811	3663
06:00			76		127		203		18:00			484		308		792	
06:15			83		177		260		18:15			390		293		683	
06:30			146		242		388		18:30			372		260		632	
06:45			161	466	287	833	448	1299	18:45			321	1567	246	1107	567	2674
07:00			151		360		511		19:00			352		217		569	
07:15			198		453		651		19:15			304		227		531	
07:30			272		472		744		19:30			323		246		569	
07:45			308	929	482	1767	790	2696	19:45			275	1254	224	914	499	2168
08:00			223		539		762		20:00			269		207		476	
08:15			276		562		838		20:15			239		183		422	
08:30			256		506		762		20:30			207		191		398	
08:45			251	1006	474	2081	725	3087	20:45			199	914	173	754	372	1668
09:00			237		306		543		21:00			214		133		347	
09:15			264		291		555		21:15			162		122		284	
09:30			277		257		534		21:30			167		117		284	
09:45			254	1032	251	1105	505	2137	21:45			154	697	87	459	241	1156
10:00			278		232		510		22:00			160		120		280	
10:15			283		249		532		22:15			143		83		226	
10:30			277		291		568		22:30			124		72		196	
10:45			292	1130	293	1065	585	2195	22:45			117	544	56	331	173	875
11:00			331		312		643		23:00			110		51		161	
11:15			342		299		641		23:15			86		49		135	
11:30			349		310		659		23:30			92		38		130	
11:45			303	1325	361	1282	664	2607	23:45			53	341	32	170	85	511
TOTALS				6458		8842		**15300**	**TOTALS**				16219		11931		**28150**
SPLIT %				42.2%		57.8%		**35.2%**	**SPLIT %**				57.6%		42.4%		**64.8%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	22,677	20,773	43,450

AM Peak Hour			11:45	07:45	**07:45**	**PM Peak Hour**			16:45	16:30	**16:30**
AM Pk Volume			1345	2089	**3152**	**PM Pk Volume**			2397	1447	**3834**
Pk Hr Factor			0.890	0.929	**0.940**	**Pk Hr Factor**			0.950	0.991	**0.975**
7 - 9 Volume	0	0	1935	3848	**5783**	**4 - 6 Volume**	0	0	4656	2718	**7374**
7 - 9 Peak Hour			07:30	07:45	**07:45**	**4 - 6 Peak Hour**			16:45	16:30	**16:30**
7 - 9 Pk Volume	0	0	1079	2089	**3152**	**4 - 6 Pk Volume**	0	0	2397	1447	**3834**
Pk Hr Factor	0.000	0.000	0.876	0.929	**0.940**	**Pk Hr Factor**	0.000	0.000	0.950	0.991	**0.975**

Segment ID: 20

Friars Rd from Mission Center Rd to Qualcomm Way

AM Peak Period Heavy Vehicle Percentage: 3.80%

Noon Peak Period Heavy Vehicle Percentage: 3.65%

PM Period Heavy Vehicle Percentage: 3.30%

Average Daily Heavy Vehicle Percentage: 3.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Mission Center Rd & Qualcomm Wy

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_020

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	186	9	0	7	0	0	0	1	0	0	0	0	203
01:00	0	95	7	0	1	0	0	0	0	0	0	0	0	103
02:00	0	62	5	0	1	0	0	0	1	0	0	0	0	69
03:00	0	55	2	0	0	0	0	1	0	0	0	0	0	58
04:00	0	116	12	0	2	0	0	0	0	0	0	0	0	130
05:00	0	336	24	0	14	0	0	0	0	0	0	0	0	374
06:00	0	945	81	2	35	0	0	0	0	0	0	0	0	1063
07:00	2	2035	148	4	76	0	0	0	0	0	0	0	0	2265
08:00	6	1968	147	6	72	1	0	0	2	0	0	0	0	2202
09:00	2	1512	116	6	67	0	0	0	2	0	0	0	0	1705
10:00	5	1650	134	9	53	1	0	1	0	0	0	0	0	1853
11:00	4	2141	170	5	85	1	0	3	0	0	0	0	0	2409
12:00 PM	4	2347	171	6	90	1	0	1	1	0	0	0	0	2621
13:00	4	2286	158	6	64	0	0	0	0	0	0	0	0	2518
14:00	3	2198	166	5	68	0	0	0	1	0	0	0	0	2441
15:00	3	2464	173	8	92	1	0	0	0	0	0	0	0	2741
16:00	5	2963	182	7	92	0	0	0	0	0	0	0	0	3249
17:00	3	2953	184	8	96	0	0	0	0	0	0	0	0	3244
18:00	3	2273	149	4	73	0	0	0	0	0	0	0	0	2502
19:00	1	1718	98	2	52	0	0	0	0	0	0	0	0	1871
20:00	0	1289	72	1	34	0	0	0	0	0	0	0	0	1396
21:00	0	812	46	0	27	0	0	0	0	0	0	0	0	885
22:00	0	521	31	0	19	0	0	0	0	0	0	0	0	571
23:00	0	306	21	0	7	0	0	0	0	0	0	0	0	334
Totals	45	33231	2306	79	1127	5		6	8					36807
% of Totals	0%	90%	6%	0%	3%	0%		0%	0%					100%

AM Volumes	19	11101	855	32	413	3	0	5	6	0	0	0	0	12434
% AM	0%	30%	2%	0%	1%	0%		0%	0%					34%
AM Peak Hour	08:00	11:00	11:00	10:00	11:00	08:00		11:00	08:00					11:00
Volume	6	2141	170	9	85	1		3	2					2409
PM Volumes	26	22130	1451	47	714	2	0	1	2	0	0	0	0	24373
% PM	0%	60%	4%	0%	2%	0%		0%	0%					66%
PM Peak Hour	16:00	16:00	17:00	15:00	17:00	12:00		12:00	12:00					16:00
Volume	5	2963	184	8	96	1		1	1					3249

Directional Peak Periods All Classes	AM 7-9 Volume	AM 7-9 %	NOON 12-2 Volume	NOON 12-2 %	PM 4-6 Volume	PM 4-6 %	Off Peak Volumes Volume	Off Peak Volumes %
	4467	12%	5139	14%	6493	18%	20708	56%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 >=4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Mission Center Rd & Qualcomm Wy

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_020

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	18,895	17,912	36,807

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			38		20		58		12:00			361		305		666	
00:15			31		21		52		12:15			348		310		658	
00:30			33		18		51		12:30			324		329		653	
00:45			29	131	13	72	42	203	12:45			318	1351	326	1270	644	2621
01:00			20		8		28		13:00			343		320		663	
01:15			17		13		30		13:15			332		269		601	
01:30			15		6		21		13:30			308		344		652	
01:45			19	71	5	32	24	103	13:45			327	1310	275	1208	602	2518
02:00			11		2		13		14:00			323		300		623	
02:15			12		10		22		14:15			320		262		582	
02:30			9		4		13		14:30			342		270		612	
02:45			11	43	10	26	21	69	14:45			359	1344	265	1097	624	2441
03:00			8		3		11		15:00			391		303		694	
03:15			7		8		15		15:15			329		299		628	
03:30			5		9		14		15:30			406		282		688	
03:45			5	25	13	33	18	58	15:45			459	1585	272	1156	731	2741
04:00			11		10		21		16:00			499		292		791	
04:15			9		12		21		16:15			440		313		753	
04:30			16		35		51		16:30			514		344		858	
04:45			10	46	27	84	37	130	16:45			505	1958	342	1291	847	3249
05:00			12		45		57		17:00			542		371		913	
05:15			19		56		75		17:15			478		334		812	
05:30			40		72		112		17:30			437		324		761	
05:45			49	120	81	254	130	374	17:45			469	1926	289	1318	758	3244
06:00			66		107		173		18:00			407		280		687	
06:15			69		149		218		18:15			427		271		698	
06:30			90		243		333		18:30			344		247		591	
06:45			94	319	245	744	339	1063	18:45			305	1483	221	1019	526	2502
07:00			110		338		448		19:00			290		210		500	
07:15			148		401		549		19:15			287		203		490	
07:30			167		448		615		19:30			255		182		437	
07:45			189	614	464	1651	653	2265	19:45			263	1095	181	776	444	1871
08:00			153		430		583		20:00			230		176		406	
08:15			163		414		577		20:15			203		159		362	
08:30			196		360		556		20:30			180		153		333	
08:45			174	686	312	1516	486	2202	20:45			176	789	119	607	295	1396
09:00			183		254		437		21:00			150		108		258	
09:15			185		210		395		21:15			145		85		230	
09:30			197		249		446		21:30			130		84		214	
09:45			214	779	213	926	427	1705	21:45			115	540	68	345	183	885
10:00			233		218		451		22:00			95		83		178	
10:15			204		217		421		22:15			76		52		128	
10:30			241		243		484		22:30			94		55		149	
10:45			254	932	243	921	497	1853	22:45			66	331	50	240	116	571
11:00			300		287		587		23:00			66		29		95	
11:15			283		280		563		23:15			52		33		85	
11:30			295		335		630		23:30			62		30		92	
11:45			318	1196	311	1213	629	2409	23:45			41	221	21	113	62	334
TOTALS				4962		7472		12434	TOTALS				13933		10440		24373
SPLIT %				39.9%		60.1%		33.8%	SPLIT %				57.2%		42.8%		66.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	18,895	17,912	36,807

AM Peak Hour			11:45	07:30	11:45	PM Peak Hour			16:30	16:30	16:30
AM Pk Volume			1351	1756	2606	PM Pk Volume			2039	1391	3430
Pk Hr Factor			0.936	0.946	0.978	Pk Hr Factor			0.940	0.937	0.939
7 - 9 Volume	0	0	1300	3167	4467	4 - 6 Volume	0	0	3884	2609	6493
7 - 9 Peak Hour			07:45	07:30	07:30	4 - 6 Peak Hour			16:30	16:30	16:30
7 - 9 Pk Volume	0	0	701	1756	2428	4 - 6 Pk Volume	0	0	2039	1391	3430
Pk Hr Factor	0.000	0.000	0.894	0.946	0.930	Pk Hr Factor	0.000	0.000	0.940	0.937	0.939

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Mission Center Rd & Qualcomm Wy

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_020

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	196	9	0	5	0	0	0	0	0	0	0	0	210
01:00	0	138	13	0	4	0	1	0	0	0	0	0	0	156
02:00	0	74	8	0	0	0	0	0	0	0	0	0	0	82
03:00	0	58	3	0	1	0	0	0	0	0	0	0	0	62
04:00	0	109	7	0	5	0	0	1	0	0	0	0	0	122
05:00	2	324	27	0	11	1	0	0	0	0	0	0	0	365
06:00	1	994	79	0	44	2	0	0	0	0	0	0	0	1120
07:00	3	2036	153	2	81	2	0	0	0	0	0	0	0	2277
08:00	1	2058	162	5	82	0	0	1	2	0	0	0	0	2311
09:00	5	1587	112	7	70	1	0	3	1	0	0	0	0	1786
10:00	4	1777	135	5	69	0	0	1	0	0	0	0	0	1991
11:00	4	2231	162	5	88	0	0	0	0	0	0	0	0	2490
12:00 PM	4	2393	177	7	81	4	0	0	0	0	0	0	0	2666
13:00	4	2257	173	5	73	0	0	0	0	0	0	0	0	2512
14:00	4	2180	160	7	78	0	0	0	1	0	0	0	0	2430
15:00	4	2526	194	10	97	0	0	0	0	0	0	0	0	2831
16:00	5	2847	194	6	111	0	0	1	0	0	0	0	0	3164
17:00	5	2829	189	8	92	0	0	1	0	0	0	0	0	3124
18:00	4	2257	153	10	75	0	0	0	1	0	0	0	0	2500
19:00	3	1722	105	4	63	0	0	0	0	0	0	0	0	1897
20:00	1	1300	89	4	46	0	1	0	1	0	0	0	0	1442
21:00	1	780	45	0	30	0	0	0	0	0	0	0	0	856
22:00	0	501	34	0	12	0	0	1	0	0	0	0	0	548
23:00	0	324	23	0	9	0	0	0	0	0	0	0	0	356
Totals	55	33498	2406	85	1227	10	2	9	6					37298
% of Totals	0%	90%	6%	0%	3%	0%	0%	0%	0%					100%

AM Volumes	20	11582	870	24	460	6	1	6	3	0	0	0	0	12972
% AM	0%	31%	2%	0%	1%	0%	0%	0%	0%					35%
AM Peak Hour	09:00	11:00	08:00	09:00	11:00	06:00	01:00	09:00	08:00					11:00
Volume	5	2231	162	7	88	2	1	3	2					2490
PM Volumes	35	21916	1536	61	767	4	1	3	3	0	0	0	0	24326
% PM	0%	59%	4%	0%	2%	0%	0%	0%	0%					65%
PM Peak Hour	16:00	16:00	15:00	15:00	16:00	12:00	20:00	16:00	14:00					16:00
Volume	5	2847	194	10	111	4	1	1	1					3164

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	4588	⟷	12%	5178	⟷	14%	6288	⟷	17%	21244	⟷	57%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Mission Center Rd & Qualcomm Wy

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_020

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,125	18,173	37,298

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			45		15		60		12:00			387		314		701	
00:15			29		22		51		12:15			320		320		640	
00:30			41		15		56		12:30			347		338		685	
00:45			25	140	18	70	43	210	12:45			316	1370	324	1296	640	2666
01:00			26		15		41		13:00			361		329		690	
01:15			26		9		35		13:15			351		305		656	
01:30			29		13		42		13:30			294		286		580	
01:45			24	105	14	51	38	156	13:45			307	1313	279	1199	586	2512
02:00			17		9		26		14:00			335		269		604	
02:15			13		8		21		14:15			329		274		603	
02:30			8		10		18		14:30			345		284		629	
02:45			11	49	6	33	17	82	14:45			321	1330	273	1100	594	2430
03:00			7		10		17		15:00			339		293		632	
03:15			15		6		21		15:15			383		293		676	
03:30			4		7		11		15:30			417		339		756	
03:45			7	33	6	29	13	62	15:45			472	1611	295	1220	767	2831
04:00			6		9		15		16:00			444		335		779	
04:15			5		22		27		16:15			522		274		796	
04:30			14		20		34		16:30			489		330		819	
04:45			9	34	37	88	46	122	16:45			459	1914	311	1250	770	3164
05:00			11		32		43		17:00			534		358		892	
05:15			28		43		71		17:15			472		291		763	
05:30			45		65		110		17:30			426		317		743	
05:45			55	139	86	226	141	365	17:45			445	1877	281	1247	726	3124
06:00			54		123		177		18:00			424		274		698	
06:15			75		165		240		18:15			409		234		643	
06:30			73		223		296		18:30			370		238		608	
06:45			96	298	311	822	407	1120	18:45			322	1525	229	975	551	2500
07:00			106		334		440		19:00			307		206		513	
07:15			139		405		544		19:15			271		226		497	
07:30			182		469		651		19:30			264		193		457	
07:45			167	594	475	1683	642	2277	19:45			273	1115	157	782	430	1897
08:00			166		409		575		20:00			247		170		417	
08:15			179		481		660		20:15			224		170		394	
08:30			158		419		577		20:30			173		139		312	
08:45			172	675	327	1636	499	2311	20:45			191	835	128	607	319	1442
09:00			159		271		430		21:00			133		97		230	
09:15			196		254		450		21:15			151		82		233	
09:30			230		247		477		21:30			123		88		211	
09:45			215	800	214	986	429	1786	21:45			98	505	84	351	182	856
10:00			241		218		459		22:00			98		71		169	
10:15			201		233		434		22:15			82		60		142	
10:30			277		253		530		22:30			100		38		138	
10:45			286	1005	282	986	568	1991	22:45			70	350	29	198	99	548
11:00			302		277		579		23:00			61		39		100	
11:15			298		299		597		23:15			58		36		94	
11:30			333		320		653		23:30			69		25		94	
11:45			343	1276	318	1214	661	2490	23:45			44	232	24	124	68	356
TOTALS				5148		7824		12972	TOTALS				13977		10349		24326
SPLIT %				39.7%		60.3%		34.8%	SPLIT %				57.5%		42.5%		65.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,125	18,173	37,298

AM Peak Hour			11:45	07:30	11:45	PM Peak Hour			16:15	12:15	16:15
AM Pk Volume			1397	1834	2687	PM Pk Volume			2004	1311	3277
Pk Hr Factor			0.902	0.953	0.958	Pk Hr Factor			0.938	0.970	0.918
7 - 9 Volume	0	0	1269	3319	4588	4 - 6 Volume	0	0	3791	2497	6288
7 - 9 Peak Hour			07:30	07:30	07:30	4 - 6 Peak Hour			16:15	16:30	16:15
7 - 9 Pk Volume	0	0	694	1834	2528	4 - 6 Pk Volume	0	0	2004	1290	3277
Pk Hr Factor	0.000	0.000	0.953	0.953	0.958	Pk Hr Factor	0.000	0.000	0.938	0.901	0.918

Segment ID: 21

Friars Rd from Qualcomm Way to River Run Dr

AM Peak Period Heavy Vehicle Percentage: 3.45%

Noon Peak Period Heavy Vehicle Percentage: 3.35%

PM Period Heavy Vehicle Percentage: 2.45%

Average Daily Heavy Vehicle Percentage: 2.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Qualcomm Wy & River Run Dr

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_021

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	102	4	0	2	0	0	0	0	0	0	0	0	108
01:00	0	57	3	0	1	0	0	1	0	0	0	0	0	62
02:00	0	55	2	0	0	0	0	0	0	0	0	0	0	57
03:00	0	52	6	0	0	0	0	0	0	0	0	0	0	58
04:00	0	109	8	0	5	0	0	1	0	0	0	0	0	123
05:00	1	262	30	2	17	0	0	1	0	0	0	0	0	313
06:00	0	739	77	0	37	0	0	1	0	0	0	0	0	854
07:00	2	1525	135	2	49	2	0	0	0	0	0	0	0	1715
08:00	0	1647	146	5	54	1	0	1	0	0	0	0	0	1854
09:00	1	1338	126	6	50	3	0	1	1	0	0	0	0	1526
10:00	1	1568	139	3	45	5	0	2	0	0	0	0	0	1763
11:00	1	1804	155	3	63	2	0	2	1	0	0	0	0	2031
12:00 PM	2	2052	167	1	61	0	1	2	0	0	0	0	0	2286
13:00	1	2047	174	2	63	1	1	0	1	0	0	0	0	2290
14:00	0	2067	166	1	52	5	0	2	1	0	0	0	0	2294
15:00	2	2284	186	3	64	2	1	4	0	0	0	0	0	2546
16:00	2	2599	216	8	62	1	0	6	0	0	0	0	0	2894
17:00	1	2753	205	3	59	2	0	7	0	0	0	0	0	3030
18:00	0	2276	164	1	42	2	0	1	0	0	0	0	0	2486
19:00	0	1684	118	0	36	1	0	0	0	0	0	0	0	1839
20:00	0	1237	96	0	20	0	0	0	1	0	0	0	0	1354
21:00	0	816	58	2	17	0	0	1	0	0	0	0	0	894
22:00	0	462	34	0	12	0	0	0	0	0	0	0	0	508
23:00	0	259	18	0	5	0	0	0	0	0	0	0	0	282
Totals	14	29794	2433	42	816	27	3	33	5					33167
% of Totals	0%	90%	7%	0%	2%	0%	0%	0%	0%					100%

AM Volumes	6	9258	831	21	323	13	0	10	2	0	0	0	0	10464
% AM	0%	28%	3%	0%	1%	0%		0%	0%					32%
AM Peak Hour	07:00	11:00	11:00	09:00	11:00	10:00		10:00	09:00					11:00
Volume	2	1804	155	6	63	5		2	1					2031
PM Volumes	8	20536	1602	21	493	14	3	23	3	0	0	0	0	22703
% PM	0%	62%	5%	0%	1%	0%	0%	0%	0%					68%
PM Peak Hour	12:00	17:00	16:00	16:00	15:00	14:00	12:00	17:00	13:00					17:00
Volume	2	2753	216	8	64	5	1	7	1					3030

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	3569	⟷	11%	4576	⟷	14%	5924	⟷	18%	19098	⟷	58%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Qualcomm Wy & River Run Dr

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_021

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,346	13,821	33,167

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			20		15		35		12:00			358		239		597	
00:15			15		18		33		12:15			363		218		581	
00:30			10		10		20		12:30			326		219		545	
00:45			8	53	12	55	20	108	12:45			343	1390	220	896	563	2286
01:00			10		6		16		13:00			345		249		594	
01:15			6		10		16		13:15			322		239		561	
01:30			6		4		10		13:30			336		222		558	
01:45			14	36	6	26	20	62	13:45			337	1340	240	950	577	2290
02:00			12		3		15		14:00			327		210		537	
02:15			6		7		13		14:15			365		218		583	
02:30			8		7		15		14:30			366		255		621	
02:45			7	33	7	24	14	57	14:45			341	1399	212	895	553	2294
03:00			8		7		15		15:00			389		236		625	
03:15			5		5		10		15:15			391		222		613	
03:30			10		6		16		15:30			424		210		634	
03:45			8	31	9	27	17	58	15:45			437	1641	237	905	674	2546
04:00			12		10		22		16:00			503		226		729	
04:15			6		26		32		16:15			445		218		663	
04:30			11		19		30		16:30			505		269		774	
04:45			10	39	29	84	39	123	16:45			496	1949	232	945	728	2894
05:00			10		33		43		17:00			529		295		824	
05:15			22		35		57		17:15			500		259		759	
05:30			32		65		97		17:30			513		230		743	
05:45			36	100	80	213	116	313	17:45			470	2012	234	1018	704	3030
06:00			51		108		159		18:00			480		235		715	
06:15			60		112		172		18:15			421		204		625	
06:30			74		149		223		18:30			423		197		620	
06:45			113	298	187	556	300	854	18:45			331	1655	195	831	526	2486
07:00			120		245		365		19:00			331		170		501	
07:15			147		253		400		19:15			309		143		452	
07:30			174		290		464		19:30			303		175		478	
07:45			184	625	302	1090	486	1715	19:45			282	1225	126	614	408	1839
08:00			191		324		515		20:00			258		133		391	
08:15			161		311		472		20:15			253		119		372	
08:30			161		281		442		20:30			193		126		319	
08:45			199	712	226	1142	425	1854	20:45			164	868	108	486	272	1354
09:00			149		186		335		21:00			179		89		268	
09:15			155		215		370		21:15			157		77		234	
09:30			189		221		410		21:30			127		67		194	
09:45			208	701	203	825	411	1526	21:45			119	582	79	312	198	894
10:00			234		219		453		22:00			112		66		178	
10:15			250		192		442		22:15			79		51		130	
10:30			245		179		424		22:30			75		40		115	
10:45			257	986	187	777	444	1763	22:45			46	312	39	196	85	508
11:00			275		203		478		23:00			50		26		76	
11:15			269		216		485		23:15			52		15		67	
11:30			292		234		526		23:30			54		21		75	
11:45			322	1158	220	873	542	2031	23:45			45	201	19	81	64	282
TOTALS				4772		5692		10464	TOTALS				14574		8129		22703
SPLIT %				45.6%		54.4%		31.5%	SPLIT %				64.2%		35.8%		68.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,346	13,821	33,167

AM Peak Hour			11:45	07:30	11:45	PM Peak Hour			16:45	16:30	16:30
AM Pk Volume			1369	1227	2265	PM Pk Volume			2038	1055	3085
Pk Hr Factor			0.943	0.947	0.948	Pk Hr Factor			0.963	0.894	0.936
7 - 9 Volume	0	0	1337	2232	3569	4 - 6 Volume	0	0	3961	1963	5924
7 - 9 Peak Hour			08:00	07:30	07:30	4 - 6 Peak Hour			16:45	16:30	16:30
7 - 9 Pk Volume	0	0	712	1227	1937	4 - 6 Pk Volume	0	0	2038	1055	3085
Pk Hr Factor	0.000	0.000	0.894	0.947	0.940	Pk Hr Factor	0.000	0.000	0.963	0.894	0.936

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Qualcomm Wy & River Run Dr

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_021

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	163	15	0	4	0	0	0	0	0	0	0	0	182
01:00	0	106	10	0	2	0	0	0	0	0	0	0	0	118
02:00	0	68	3	0	2	1	0	0	0	0	0	0	0	74
03:00	0	57	6	0	3	0	0	0	1	0	0	0	0	67
04:00	0	85	9	0	2	1	0	0	0	0	0	0	0	97
05:00	0	268	30	0	10	0	0	0	3	0	0	0	0	311
06:00	0	796	74	3	37	1	0	4	1	0	0	0	0	916
07:00	2	1556	135	1	46	4	0	1	1	0	0	0	0	1746
08:00	0	1558	133	3	55	3	0	1	1	0	0	0	0	1754
09:00	1	1322	113	3	46	3	0	2	1	0	0	0	0	1491
10:00	0	1631	147	5	54	2	0	0	1	0	0	0	0	1840
11:00	1	1964	167	2	60	5	0	2	1	0	0	0	0	2202
12:00 PM	1	2079	167	2	68	3	0	2	0	0	0	0	0	2322
13:00	1	1952	149	2	57	4	0	0	0	0	0	0	0	2165
14:00	0	2042	162	3	63	4	0	0	2	0	0	0	0	2276
15:00	1	2245	188	3	59	4	0	0	0	0	0	0	0	2500
16:00	1	2633	194	5	55	1	2	5	0	0	0	0	0	2896
17:00	1	2778	210	3	55	2	0	4	2	0	0	0	0	3055
18:00	1	2246	165	3	47	0	0	1	0	0	0	0	0	2463
19:00	0	1683	126	2	39	0	0	0	0	0	0	0	0	1850
20:00	0	1093	99	0	20	1	0	1	0	0	0	0	0	1214
21:00	0	815	67	1	19	1	0	0	0	0	0	0	0	903
22:00	0	505	35	1	10	0	0	0	0	0	0	0	0	551
23:00	0	304	26	0	4	0	0	0	0	0	0	0	0	334
Totals	10	29949	2430	42	817	40	2	23	14					33327
% of Totals	0%	90%	7%	0%	2%	0%	0%	0%	0%					100%

AM Volumes	4	9574	842	17	321	20	0	10	10	0	0	0	0	10798
% AM	0%	29%	3%	0%	1%	0%		0%	0%					32%
AM Peak Hour	07:00	11:00	11:00	10:00	11:00	11:00		06:00	05:00					11:00
Volume	2	1964	167	5	60	5		4	3					2202
PM Volumes	6	20375	1588	25	496	20	2	13	4	0	0	0	0	22529
% PM	0%	61%	5%	0%	1%	0%	0%	0%	0%					68%
PM Peak Hour	12:00	17:00	17:00	16:00	12:00	13:00	16:00	16:00	14:00					17:00
Volume	1	2778	210	5	68	4	2	5	2					3055

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	3500	⟷	11%	4487	⟷	13%	5951	⟷	18%	19389	⟷	58%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 >=4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Qualcomm Wy & River Run Dr

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_021

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,264	14,063	33,327

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			42		13		55		12:00			337		250		587	
00:15			36		17		53		12:15			336		241		577	
00:30			34		10		44		12:30			337		244		581	
00:45			20	132	10	50	30	182	12:45			348	1358	229	964	577	2322
01:00			20		12		32		13:00			330		229		559	
01:15			17		8		25		13:15			313		219		532	
01:30			16		18		34		13:30			335		232		567	
01:45			21	74	6	44	27	118	13:45			306	1284	201	881	507	2165
02:00			20		8		28		14:00			319		222		541	
02:15			7		8		15		14:15			353		245		598	
02:30			16		6		22		14:30			368		231		599	
02:45			7	50	2	24	9	74	14:45			322	1362	216	914	538	2276
03:00			6		11		17		15:00			368		212		580	
03:15			8		3		11		15:15			382		238		620	
03:30			16		8		24		15:30			422		267		689	
03:45			9	39	6	28	15	67	15:45			381	1553	230	947	611	2500
04:00			7		11		18		16:00			470		246		716	
04:15			4		18		22		16:15			466		221		687	
04:30			10		16		26		16:30			458		276		734	
04:45			12	33	19	64	31	97	16:45			503	1897	256	999	759	2896
05:00			11		32		43		17:00			517		283		800	
05:15			20		32		52		17:15			486		276		762	
05:30			37		58		95		17:30			538		246		784	
05:45			44	112	77	199	121	311	17:45			483	2024	226	1031	709	3055
06:00			60		103		163		18:00			473		258		731	
06:15			65		131		196		18:15			425		218		643	
06:30			79		157		236		18:30			384		209		593	
06:45			112	316	209	600	321	916	18:45			320	1602	176	861	496	2463
07:00			109		244		353		19:00			320		183		503	
07:15			147		259		406		19:15			312		180		492	
07:30			153		306		459		19:30			280		147		427	
07:45			207	616	321	1130	528	1746	19:45			256	1168	172	682	428	1850
08:00			169		346		515		20:00			210		126		336	
08:15			170		295		465		20:15			215		111		326	
08:30			146		246		392		20:30			209		84		293	
08:45			156	641	226	1113	382	1754	20:45			177	811	82	403	259	1214
09:00			168		201		369		21:00			217		91		308	
09:15			167		198		365		21:15			147		68		215	
09:30			213		168		381		21:30			143		68		211	
09:45			197	745	179	746	376	1491	21:45			109	616	60	287	169	903
10:00			223		202		425		22:00			141		43		184	
10:15			228		202		430		22:15			106		47		153	
10:30			253		218		471		22:30			84		36		120	
10:45			268	972	246	868	514	1840	22:45			52	383	42	168	94	551
11:00			285		221		506		23:00			68		29		97	
11:15			302		202		504		23:15			66		33		99	
11:30			315		259		574		23:30			50		27		77	
11:45			341	1243	277	959	618	2202	23:45			49	233	12	101	61	334
TOTALS				4973		5825		**10798**	**TOTALS**				14291		8238		**22529**
SPLIT %				46.1%		53.9%		**32.4%**	**SPLIT %**				63.4%		36.6%		**67.6%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,264	14,063	33,327

AM Peak Hour			11:45	07:30	**11:45**	**PM Peak Hour**			16:45	16:30	**16:45**
AM Pk Volume			1351	1268	**2363**	**PM Pk Volume**			2044	1091	**3105**
Pk Hr Factor			0.990	0.916	**0.956**	**Pk Hr Factor**			0.950	0.964	**0.970**
7 - 9 Volume	0	0	1257	2243	**3500**	**4 - 6 Volume**	0	0	3921	2030	**5951**
7 - 9 Peak Hour			07:30	07:30	**07:30**	**4 - 6 Peak Hour**			16:45	16:30	**16:45**
7 - 9 Pk Volume	0	0	699	1268	**1967**	**4 - 6 Pk Volume**	0	0	2044	1091	**3105**
Pk Hr Factor	0.000	0.000	0.844	0.916	**0.931**	**Pk Hr Factor**	0.000	0.000	0.950	0.964	**0.970**

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. River Run Dr & Fenton Pkwy

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_022

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	11,930	10,039	21,969

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			31		5		36		12:00			186		174		360	
00:15			13		9		22		12:15			219		165		384	
00:30			12		8		20		12:30			173		175		348	
00:45			13	69	5	27	18	96	12:45			187	765	194	708	381	1473
01:00			8		5		13		13:00			217		157		374	
01:15			9		5		14		13:15			193		158		351	
01:30			6		8		14		13:30			222		135		357	
01:45			9	32	3	21	12	53	13:45			180	812	149	599	329	1411
02:00			8		7		15		14:00			186		168		354	
02:15			0		3		3		14:15			192		151		343	
02:30			5		4		9		14:30			218		144		362	
02:45			4	17	3	17	7	34	14:45			226	822	168	631	394	1453
03:00			6		3		9		15:00			260		169		429	
03:15			8		1		9		15:15			231		173		404	
03:30			2		7		9		15:30			298		150		448	
03:45			3	19	7	18	10	37	15:45			296	1085	154	646	450	1731
04:00			7		6		13		16:00			328		172		500	
04:15			5		8		13		16:15			327		161		488	
04:30			6		19		25		16:30			344		159		503	
04:45			8	26	24	57	32	83	16:45			303	1302	186	678	489	1980
05:00			15		20		35		17:00			409		184		593	
05:15			15		37		52		17:15			332		186		518	
05:30			12		33		45		17:30			353		169		522	
05:45			26	68	58	148	84	216	17:45			294	1388	178	717	472	2105
06:00			33		60		93		18:00			274		144		418	
06:15			30		79		109		18:15			242		152		394	
06:30			44		109		153		18:30			212		153		365	
06:45			65	172	150	398	215	570	18:45			218	946	147	596	365	1542
07:00			67		147		214		19:00			189		129		318	
07:15			91		244		335		19:15			187		129		316	
07:30			105		259		364		19:30			179		128		307	
07:45			120	383	243	893	363	1276	19:45			176	731	123	509	299	1240
08:00			121		241		362		20:00			156		120		276	
08:15			98		254		352		20:15			144		103		247	
08:30			92		235		327		20:30			138		91		229	
08:45			95	406	179	909	274	1315	20:45			106	544	88	402	194	946
09:00			93		128		221		21:00			118		69		187	
09:15			102		131		233		21:15			111		56		167	
09:30			120		131		251		21:30			85		69		154	
09:45			107	422	116	506	223	928	21:45			75	389	49	243	124	632
10:00			106		108		214		22:00			77		34		111	
10:15			115		113		228		22:15			56		40		96	
10:30			150		147		297		22:30			45		17		62	
10:45			127	498	149	517	276	1015	22:45			51	229	14	105	65	334
11:00			154		135		289		23:00			33		23		56	
11:15			171		146		317		23:15			34		19		53	
11:30			168		156		324		23:30			29		19		48	
11:45			186	679	186	623	372	1302	23:45			30	126	10	71	40	197
TOTALS				2791		4134		6925	TOTALS				9139		5905		15044
SPLIT %				40.3%		59.7%		31.5%	SPLIT %				60.7%		39.3%		68.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	11,930	10,039	21,969

AM Peak Hour			11:45	07:30	11:45	PM Peak Hour			16:45	16:45	16:45
AM Pk Volume			764	997	1464	PM Pk Volume			1397	725	2122
Pk Hr Factor			0.872	0.962	0.953	Pk Hr Factor			0.854	0.974	0.895
7 - 9 Volume	0	0	789	1802	2591	4 - 6 Volume	0	0	2690	1395	4085
7 - 9 Peak Hour			07:30	07:30	07:30	4 - 6 Peak Hour			16:45	16:45	16:45
7 - 9 Pk Volume	0	0	444	997	1441	4 - 6 Pk Volume	0	0	1397	725	2122
Pk Hr Factor	0.000	0.000	0.917	0.962	0.990	Pk Hr Factor	0.000	0.000	0.854	0.974	0.895

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. River Run Dr & Fenton Pkwy

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_022

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	11,789	10,391	22,180

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			26		10		36		12:00			188		160		348	
00:15			21		7		28		12:15			174		183		357	
00:30			25		7		32		12:30			185		176		361	
00:45			17	89	12	36	29	125	12:45			209	756	174	693	383	1449
01:00			15		9		24		13:00			206		169		375	
01:15			15		5		20		13:15			220		166		386	
01:30			11		11		22		13:30			188		150		338	
01:45			12	53	5	30	17	83	13:45			190	804	170	655	360	1459
02:00			11		11		22		14:00			195		193		388	
02:15			9		3		12		14:15			213		150		363	
02:30			4		5		9		14:30			222		141		363	
02:45			4	28	0	19	4	47	14:45			192	822	177	661	369	1483
03:00			6		2		8		15:00			223		188		411	
03:15			4		5		9		15:15			220		169		389	
03:30			3		2		5		15:30			272		173		445	
03:45			3	16	6	15	9	31	15:45			264	979	165	695	429	1674
04:00			5		6		11		16:00			277		146		423	
04:15			2		6		8		16:15			324		171		495	
04:30			4		18		22		16:30			319		164		483	
04:45			9	20	24	54	33	74	16:45			338	1258	192	673	530	1931
05:00			17		22		39		17:00			365		202		567	
05:15			17		26		43		17:15			365		182		547	
05:30			13		32		45		17:30			366		193		559	
05:45			21	68	49	129	70	197	17:45			314	1410	151	728	465	2138
06:00			26		54		80		18:00			271		141		412	
06:15			38		88		126		18:15			259		145		404	
06:30			38		101		139		18:30			192		144		336	
06:45			62	164	149	392	211	556	18:45			175	897	126	556	301	1453
07:00			76		142		218		19:00			156		127		283	
07:15			90		202		292		19:15			165		126		291	
07:30			86		262		348		19:30			159		121		280	
07:45			122	374	270	876	392	1250	19:45			159	639	128	502	287	1141
08:00			118		278		396		20:00			153		112		265	
08:15			104		299		403		20:15			139		95		234	
08:30			99		291		390		20:30			125		98		223	
08:45			91	412	266	1134	357	1546	20:45			135	552	99	404	234	956
09:00			86		170		256		21:00			126		65		191	
09:15			87		142		229		21:15			99		56		155	
09:30			97		131		228		21:30			99		52		151	
09:45			115	385	122	565	237	950	21:45			79	403	34	207	113	610
10:00			124		138		262		22:00			65		44		109	
10:15			136		120		256		22:15			75		33		108	
10:30			152		140		292		22:30			51		32		83	
10:45			155	567	136	534	291	1101	22:45			51	242	27	136	78	378
11:00			147		130		277		23:00			42		22		64	
11:15			186		145		331		23:15			43		23		66	
11:30			167		177		344		23:30			44		16		60	
11:45			191	691	169	621	360	1312	23:45			31	160	15	76	46	236
TOTALS				2867		4405		7272	TOTALS				8922		5986		14908
SPLIT %				39.4%		60.6%		32.8%	SPLIT %				59.8%		40.2%		67.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	11,789	10,391	22,180

AM Peak Hour			11:45	07:45	07:45	PM Peak Hour			16:45	16:45	16:45
AM Pk Volume			738	1138	1581	PM Pk Volume			1434	769	2203
Pk Hr Factor			0.966	0.952	0.981	Pk Hr Factor			0.980	0.952	0.971
7 - 9 Volume	0	0	786	2010	2796	4 - 6 Volume	0	0	2668	1401	4069
7 - 9 Peak Hour			07:45	07:45	07:45	4 - 6 Peak Hour			16:45	16:45	16:45
7 - 9 Pk Volume	0	0	443	1138	1581	4 - 6 Pk Volume	0	0	1434	769	2203
Pk Hr Factor	0.000	0.000	0.908	0.952	0.981	Pk Hr Factor	0.000	0.000	0.980	0.952	0.971

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Fenton Pkwy & Northside Dr

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_023

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,471	15,923	28,394

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00					22		9		31		12:00					179		254		433	
00:15					17		20		37		12:15					209		272		481	
00:30					12		13		25		12:30					176		280		456	
00:45					16	67	8	50	24	117	12:45					274	838	274	1080	548	1918
01:00					8		6		14		13:00					210		237		447	
01:15					10		12		22		13:15					236		259		495	
01:30					3		7		10		13:30					249		225		474	
01:45					7	28	6	31	13	59	13:45					228	923	227	948	455	1871
02:00					7		9		16		14:00					211		225		436	
02:15					1		4		5		14:15					196		242		438	
02:30					6		6		12		14:30					228		215		443	
02:45					2	16	6	25	8	41	14:45					227	862	267	949	494	1811
03:00					5		5		10		15:00					242		287		529	
03:15					7		4		11		15:15					261		257		518	
03:30					3		6		9		15:30					325		269		594	
03:45					3	18	11	26	14	44	15:45					258	1086	254	1067	512	2153
04:00					5		9		14		16:00					353		252		605	
04:15					8		6		14		16:15					326		264		590	
04:30					5		22		27		16:30					354		240		594	
04:45					8	26	26	63	34	89	16:45					344	1377	301	1057	645	2434
05:00					11		20		31		17:00					350		307		657	
05:15					19		44		63		17:15					368		312		680	
05:30					17		70		87		17:30					375		296		671	
05:45					39	86	121	255	160	341	17:45					339	1432	288	1203	627	2635
06:00					28		95		123		18:00					312		242		554	
06:15					45		146		191		18:15					327		254		581	
06:30					65		193		258		18:30					234		225		459	
06:45					72	210	253	687	325	897	18:45					251	1124	228	949	479	2073
07:00					77		249		326		19:00					189		212		401	
07:15					89		320		409		19:15					177		191		368	
07:30					112		382		494		19:30					175		194		369	
07:45					119	397	405	1356	524	1753	19:45					191	732	186	783	377	1515
08:00					121		381		502		20:00					159		158		317	
08:15					121		402		523		20:15					125		147		272	
08:30					105		340		445		20:30					120		123		243	
08:45					105	452	306	1429	411	1881	20:45					103	507	136	564	239	1071
09:00					81		241		322		21:00					106		90		196	
09:15					99		261		360		21:15					86		95		181	
09:30					113		229		342		21:30					82		105		187	
09:45					98	391	219	950	317	1341	21:45					77	351	62	352	139	703
10:00					104		217		321		22:00					60		55		115	
10:15					123		192		315		22:15					65		50		115	
10:30					141		211		352		22:30					59		30		89	
10:45					144	512	246	866	390	1378	22:45					37	221	21	156	58	377
11:00					154		212		366		23:00					31		37		68	
11:15					163		227		390		23:15					33		43		76	
11:30					174		228		402		23:30					26		34		60	
11:45					212	703	273	940	485	1643	23:45					22	112	23	137	45	249
TOTALS						2906		6678		9584	TOTALS						9565		9245		18810
SPLIT %						30.3%		69.7%		33.8%	SPLIT %						50.9%		49.1%		66.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,471	15,923	28,394

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			16:45	16:45	16:45
AM Pk Volume			776	1570	2043	PM Pk Volume			1437	1216	2653
Pk Hr Factor			0.915	0.969	0.975	Pk Hr Factor			0.958	0.974	0.975
7 - 9 Volume	0	0	849	2785	3634	4 - 6 Volume	0	0	2809	2260	5069
7 - 9 Peak Hour			07:30	07:30	07:30	4 - 6 Peak Hour			16:45	16:45	16:45
7 - 9 Pk Volume	0	0	473	1570	2043	4 - 6 Pk Volume	0	0	1437	1216	2653
Pk Hr Factor	0.000	0.000	0.977	0.969	0.975	Pk Hr Factor	0.000	0.000	0.958	0.974	0.975

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Fenton Pkwy & Northside Dr

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_023

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,739	15,734	28,473

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			15		15		30		12:00			198		242		440	
00:15			21		16		37		12:15			223		288		511	
00:30			10		16		26		12:30			191		286		477	
00:45			13	59	17	64	30	123	12:45			266	878	279	1095	545	1973
01:00			9		15		24		13:00			230		228		458	
01:15			7		8		15		13:15			224		252		476	
01:30			5		14		19		13:30			262		242		504	
01:45			8	29	13	50	21	79	13:45			240	956	250	972	490	1928
02:00			3		16		19		14:00			199		219		418	
02:15			5		5		10		14:15			227		219		446	
02:30			5		9		14		14:30			240		216		456	
02:45			4	17	4	34	8	51	14:45			219	885	236	890	455	1775
03:00			7		6		13		15:00			259		235		494	
03:15			5		6		11		15:15			292		226		518	
03:30			4		7		11		15:30			359		246		605	
03:45			6	22	10	29	16	51	15:45			248	1158	266	973	514	2131
04:00			5		12		17		16:00			345		236		581	
04:15			2		11		13		16:15			355		261		616	
04:30			11		18		29		16:30			379		265		644	
04:45			10	28	36	77	46	105	16:45			326	1405	279	1041	605	2446
05:00			12		28		40		17:00			313		323		636	
05:15			19		42		61		17:15			395		293		688	
05:30			23		64		87		17:30			361		309		670	
05:45			24	78	115	249	139	327	17:45			307	1376	280	1205	587	2581
06:00			30		103		133		18:00			317		213		530	
06:15			45		130		175		18:15			334		211		545	
06:30			52		163		215		18:30			247		213		460	
06:45			71	198	259	655	330	853	18:45			229	1127	171	808	400	1935
07:00			87		246		333		19:00			201		208		409	
07:15			78		308		386		19:15			186		149		335	
07:30			106		397		503		19:30			167		167		334	
07:45			128	399	423	1374	551	1773	19:45			195	749	151	675	346	1424
08:00			114		416		530		20:00			149		153		302	
08:15			117		434		551		20:15			121		125		246	
08:30			115		436		551		20:30			114		114		228	
08:45			96	442	404	1690	500	2132	20:45			112	496	105	497	217	993
09:00			102		302		404		21:00			90		94		184	
09:15			105		233		338		21:15			94		82		176	
09:30			112		236		348		21:30			84		69		153	
09:45			99	418	203	974	302	1392	21:45			71	339	60	305	131	644
10:00			116		202		318		22:00			56		63		119	
10:15			120		194		314		22:15			70		51		121	
10:30			167		215		382		22:30			61		45		106	
10:45			178	581	213	824	391	1405	22:45			42	229	37	196	79	425
11:00			166		204		370		23:00			33		38		71	
11:15			186		236		422		23:15			25		32		57	
11:30			207		247		454		23:30			32		36		68	
11:45			204	763	232	919	436	1682	23:45			17	107	32	138	49	245
TOTALS				3034		6939		9973	TOTALS				9705		8795		18500
SPLIT %				30.4%		69.6%		35.0%	SPLIT %				52.5%		47.5%		65.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	12,739	15,734	28,473

AM Peak Hour			11:30	07:45	07:45	PM Peak Hour			16:30	17:00	16:45
AM Pk Volume			832	1709	2183	PM Pk Volume			1413	1205	2599
Pk Hr Factor			0.933	0.980	0.990	Pk Hr Factor			0.894	0.933	0.944
7 - 9 Volume	0	0	841	3064	3905	4 - 6 Volume	0	0	2781	2246	5027
7 - 9 Peak Hour			07:45	07:45	07:45	4 - 6 Peak Hour			16:30	17:00	16:45
7 - 9 Pk Volume	0	0	474	1709	2183	4 - 6 Pk Volume	0	0	1413	1205	2599
Pk Hr Factor	0.000	0.000	0.926	0.980	0.990	Pk Hr Factor	0.000	0.000	0.894	0.933	0.944

Segment ID: 24

Friars Rd from Northside Dr to San Diego Mission Rd

AM Peak Period Heavy Vehicle Percentage: 9.65%

Noon Peak Period Heavy Vehicle Percentage: 10.55%

PM Period Heavy Vehicle Percentage: 8.40%

Average Daily Heavy Vehicle Percentage: 9.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Northside Dr & San Diego Mission Rd

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_024

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	119	19	0	19	0	0	0	0	0	0	0	0	157
01:00	0	68	9	0	14	0	0	0	0	0	0	0	0	91
02:00	0	68	10	0	12	0	0	0	0	0	0	0	0	90
03:00	0	57	10	0	8	0	0	0	0	0	0	0	0	75
04:00	0	129	20	0	19	0	0	0	0	0	0	0	0	168
05:00	0	435	63	1	70	0	0	0	2	0	0	0	0	571
06:00	1	1068	195	4	105	1	1	1	3	0	0	0	0	1379
07:00	5	1951	296	8	208	1	0	5	6	0	0	0	0	2480
08:00	4	2101	314	8	243	3	0	5	6	0	0	0	0	2684
09:00	7	1701	255	4	198	0	0	5	5	0	0	0	0	2175
10:00	4	1864	308	9	221	3	0	4	12	0	0	0	0	2425
11:00	7	2148	369	9	248	3	0	8	6	0	0	0	0	2798
12:00 PM	3	2414	358	8	271	4	0	7	9	0	0	0	0	3074
13:00	2	2463	399	9	324	3	0	5	5	0	0	0	0	3210
14:00	3	2474	386	5	326	0	0	3	6	0	0	0	0	3203
15:00	3	2610	443	6	305	0	0	4	4	0	0	0	0	3375
16:00	3	3245	473	10	349	4	0	7	11	0	0	0	0	4102
17:00	3	3281	449	7	299	3	0	3	7	0	0	0	0	4052
18:00	7	2675	358	8	239	0	0	0	7	0	0	0	0	3294
19:00	1	2168	282	4	213	0	0	0	4	0	0	0	0	2672
20:00	0	1494	194	3	171	0	0	0	1	0	0	0	0	1863
21:00	0	929	122	1	95	0	0	0	0	0	0	0	0	1147
22:00	0	524	59	0	49	0	0	0	0	0	0	0	0	632
23:00	0	274	36	0	30	0	0	0	0	0	0	0	0	340
Totals	53	36260	5427	104	4036	25	1	57	94					46057
% of Totals	0%	79%	12%	0%	9%	0%	0%	0%	0%					100%

AM Volumes	28	11709	1868	43	1365	11	1	28	40	0	0	0	0	15093
% AM	0%	25%	4%	0%	3%	0%	0%	0%	0%					33%
AM Peak Hour	09:00	11:00	11:00	10:00	11:00	08:00	06:00	11:00	10:00					11:00
Volume	7	2148	369	9	248	3	1	8	12					2798
PM Volumes	25	24551	3559	61	2671	14	0	29	54	0	0	0	0	30964
% PM	0%	53%	8%	0%	6%	0%		0%	0%					67%
PM Peak Hour	18:00	17:00	16:00	16:00	16:00	12:00		12:00	16:00					16:00
Volume	7	3281	473	10	349	4		7	11					4102

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	5164	⟷	11%	6284	⟷	14%	8154	⟷	18%	26455	⟷	57%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Northside Dr & San Diego Mission Rd

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_024

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	25,141	20,916	46,057

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			30		23		53		12:00			422		345		767	
00:15			25		22		47		12:15			413		354		767	
00:30			16		13		29		12:30			424		357		781	
00:45			14	85	14	72	28	157	12:45			410	1669	349	1405	759	3074
01:00			21		11		32		13:00			425		374		799	
01:15			13		12		25		13:15			475		365		840	
01:30			7		8		15		13:30			464		334		798	
01:45			6	47	13	44	19	91	13:45			470	1834	303	1376	773	3210
02:00			10		13		23		14:00			442		371		813	
02:15			7		19		26		14:15			406		329		735	
02:30			15		6		21		14:30			522		322		844	
02:45			10	42	10	48	20	90	14:45			463	1833	348	1370	811	3203
03:00			3		11		14		15:00			504		358		862	
03:15			6		9		15		15:15			476		335		811	
03:30			15		7		22		15:30			585		280		865	
03:45			9	33	15	42	24	75	15:45			515	2080	322	1295	837	3375
04:00			13		20		33		16:00			695		316		1011	
04:15			14		11		25		16:15			741		336		1077	
04:30			18		24		42		16:30			626		366		992	
04:45			27	72	41	96	68	168	16:45			691	2753	331	1349	1022	4102
05:00			31		40		71		17:00			673		406		1079	
05:15			50		57		107		17:15			713		373		1086	
05:30			70		87		157		17:30			614		352		966	
05:45			91	242	145	329	236	571	17:45			538	2538	383	1514	921	4052
06:00			105		140		245		18:00			524		360		884	
06:15			113		181		294		18:15			523		323		846	
06:30			150		236		386		18:30			473		316		789	
06:45			167	535	287	844	454	1379	18:45			469	1989	306	1305	775	3294
07:00			202		289		491		19:00			422		298		720	
07:15			219		367		586		19:15			359		300		659	
07:30			250		431		681		19:30			430		264		694	
07:45			227	898	495	1582	722	2480	19:45			352	1563	247	1109	599	2672
08:00			258		480		738		20:00			342		195		537	
08:15			237		427		664		20:15			321		202		523	
08:30			203		475		678		20:30			286		150		436	
08:45			250	948	354	1736	604	2684	20:45			230	1179	137	684	367	1863
09:00			211		370		581		21:00			222		126		348	
09:15			213		354		567		21:15			216		141		357	
09:30			198		309		507		21:30			162		74		236	
09:45			205	827	315	1348	520	2175	21:45			128	728	78	419	206	1147
10:00			274		299		573		22:00			132		89		221	
10:15			278		314		592		22:15			98		58		156	
10:30			289		320		609		22:30			78		60		138	
10:45			309	1150	342	1275	651	2425	22:45			69	377	48	255	117	632
11:00			348		336		684		23:00			72		35		107	
11:15			355		323		678		23:15			50		36		86	
11:30			404		301		705		23:30			53		33		86	
11:45			403	1510	328	1288	731	2798	23:45			34	209	27	131	61	340
TOTALS				6389		8704		15093	TOTALS				18752		12212		30964
SPLIT %				42.3%		57.7%		32.8%	SPLIT %				60.6%		39.4%		67.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	25,141	20,916	46,057

AM Peak Hour			11:45	07:45	11:45	PM Peak Hour			16:00	17:00	16:30
AM Pk Volume			1662	1877	3046	PM Pk Volume			2753	1514	4179
Pk Hr Factor			0.980	0.948	0.975	Pk Hr Factor			0.929	0.932	0.962
7 - 9 Volume	0	0	1846	3318	5164	4 - 6 Volume	0	0	5291	2863	8154
7 - 9 Peak Hour			07:30	07:45	07:30	4 - 6 Peak Hour			16:00	17:00	16:30
7 - 9 Pk Volume	0	0	972	1877	2805	4 - 6 Pk Volume	0	0	2753	1514	4179
Pk Hr Factor	0.000	0.000	0.942	0.948	0.950	Pk Hr Factor	0.000	0.000	0.929	0.932	0.962

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CLASSIFICATION

Friars Rd Bet. Northside Dr & San Diego Mission Rd

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_024

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	134	29	0	24	0	0	0	0	0	0	0	0	187
01:00	0	128	17	0	13	0	0	0	0	0	0	0	0	158
02:00	0	75	16	0	12	0	1	0	0	0	0	0	0	104
03:00	0	63	14	1	11	0	0	0	0	0	0	0	0	89
04:00	0	117	20	1	18	0	0	0	0	0	0	0	0	156
05:00	0	445	65	2	58	0	0	0	2	0	0	0	0	572
06:00	1	1068	193	6	113	0	1	1	3	0	0	0	0	1386
07:00	2	1931	296	7	204	3	0	5	6	0	0	0	0	2454
08:00	5	2033	303	5	222	3	0	5	7	0	0	0	0	2583
09:00	1	1615	270	7	205	1	0	3	8	0	0	0	0	2110
10:00	3	1765	282	7	230	3	0	2	7	0	0	0	0	2299
11:00	2	2166	366	9	268	3	1	7	5	0	0	0	0	2827
12:00 PM	5	2354	367	8	264	5	0	4	8	0	0	0	0	3015
13:00	6	2329	403	8	294	2	0	5	6	0	0	0	0	3053
14:00	4	2410	359	9	281	4	0	2	7	0	0	0	0	3076
15:00	7	2649	367	5	309	1	0	8	5	0	0	0	0	3351
16:00	6	3093	434	7	296	3	0	2	8	0	0	0	0	3849
17:00	3	3155	442	7	304	3	0	1	4	0	0	0	0	3919
18:00	4	2491	318	3	266	2	0	0	5	0	0	0	0	3089
19:00	4	1891	257	3	205	0	0	1	3	0	0	0	0	2364
20:00	2	1295	175	3	190	0	0	0	4	0	0	0	0	1669
21:00	0	972	102	1	113	0	0	0	0	0	0	0	0	1188
22:00	0	538	64	0	85	0	0	0	0	0	0	0	0	687
23:00	0	326	39	0	47	0	0	0	0	0	0	0	0	412
Totals	55	35043	5198	99	4032	33	3	46	88					44597
% of Totals	0%	79%	12%	0%	9%	0%	0%	0%	0%					100%

AM Volumes	14	11540	1871	45	1378	13	3	23	38	0	0	0	0	14925
% AM	0%	26%	4%	0%	3%	0%	0%	0%	0%					33%
AM Peak Hour	08:00	11:00	11:00	11:00	11:00	07:00	02:00	11:00	09:00					11:00
Volume	5	2166	366	9	268	3	1	7	8					2827
PM Volumes	41	23503	3327	54	2654	20	0	23	50	0	0	0	0	29672
% PM	0%	53%	7%	0%	6%	0%		0%	0%					67%
PM Peak Hour	15:00	17:00	17:00	14:00	15:00	12:00		15:00	12:00					17:00
Volume	7	3155	442	9	309	5		8	8					3919

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	5037	⟷	11%	6068	⟷	14%	7768	⟷	17%	25724	⟷	58%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Northside Dr & San Diego Mission Rd

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_024

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	24,451	20,146	44,597

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			31		25		56		12:00			428		351		779	
00:15			31		21		52		12:15			381		334		715	
00:30			33		16		49		12:30			380		349		729	
00:45			18	113	12	74	30	187	12:45			443	1632	349	1383	792	3015
01:00			20		15		35		13:00			430		341		771	
01:15			18		15		33		13:15			430		332		762	
01:30			22		25		47		13:30			417		315		732	
01:45			22	82	21	76	43	158	13:45			459	1736	329	1317	788	3053
02:00			15		9		24		14:00			452		314		766	
02:15			14		15		29		14:15			438		318		756	
02:30			12		11		23		14:30			475		283		758	
02:45			11	52	17	52	28	104	14:45			470	1835	326	1241	796	3076
03:00			8		4		12		15:00			506		341		847	
03:15			9		7		16		15:15			493		271		764	
03:30			11		10		21		15:30			531		326		857	
03:45			17	45	23	44	40	89	15:45			516	2046	367	1305	883	3351
04:00			13		22		35		16:00			609		359		968	
04:15			12		9		21		16:15			639		332		971	
04:30			20		15		35		16:30			594		318		912	
04:45			24	69	41	87	65	156	16:45			659	2501	339	1348	998	3849
05:00			38		38		76		17:00			640		362		1002	
05:15			57		54		111		17:15			626		385		1011	
05:30			70		89		159		17:30			617		354		971	
05:45			84	249	142	323	226	572	17:45			567	2450	368	1469	935	3919
06:00			98		143		241		18:00			553		346		899	
06:15			107		157		264		18:15			503		272		775	
06:30			165		241		406		18:30			444		288		732	
06:45			193	563	282	823	475	1386	18:45			408	1908	275	1181	683	3089
07:00			195		282		477		19:00			380		266		646	
07:15			202		344		546		19:15			311		241		552	
07:30			262		455		717		19:30			338		274		612	
07:45			248	907	466	1547	714	2454	19:45			334	1363	220	1001	554	2364
08:00			251		476		727		20:00			281		210		491	
08:15			211		430		641		20:15			274		151		425	
08:30			224		399		623		20:30			271		142		413	
08:45			235	921	357	1662	592	2583	20:45			224	1050	116	619	340	1669
09:00			231		317		548		21:00			248		125		373	
09:15			214		277		491		21:15			215		115		330	
09:30			223		307		530		21:30			162		119		281	
09:45			229	897	312	1213	541	2110	21:45			124	749	80	439	204	1188
10:00			229		257		486		22:00			141		79		220	
10:15			246		279		525		22:15			118		79		197	
10:30			301		316		617		22:30			88		60		148	
10:45			333	1109	338	1190	671	2299	22:45			75	422	47	265	122	687
11:00			357		300		657		23:00			76		43		119	
11:15			387		363		750		23:15			74		43		117	
11:30			385		326		711		23:30			46		42		88	
11:45			381	1510	328	1317	709	2827	23:45			46	242	42	170	88	412
TOTALS				6517		8408		**14925**	**TOTALS**				17934		11738		**29672**
SPLIT %				43.7%		56.3%		**33.5%**	**SPLIT %**				60.4%		39.6%		**66.5%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	24,451	20,146	44,597

AM Peak Hour			11:15	07:30	**11:15**	**PM Peak Hour**			16:45	17:00	**16:45**
AM Pk Volume			1581	1827	**2949**	**PM Pk Volume**			2542	1469	**3982**
Pk Hr Factor			0.923	0.960	**0.946**	**Pk Hr Factor**			0.964	0.954	**0.985**
7 - 9 Volume	0	0	1828	3209	**5037**	**4 - 6 Volume**	0	0	4951	2817	**7768**
7 - 9 Peak Hour			07:30	07:30	**07:30**	**4 - 6 Peak Hour**			16:45	17:00	**16:45**
7 - 9 Pk Volume	0	0	972	1827	**2799**	**4 - 6 Pk Volume**	0	0	2542	1469	**3982**
Pk Hr Factor	0.000	0.000	0.927	0.960	**0.963**	**Pk Hr Factor**	0.000	0.000	0.964	0.954	**0.985**

Segment ID: 25

Friars Rd from San Diego Mission Rd to I-15 SB Ramps

AM Peak Period Heavy Vehicle Percentage: 7.10%

Noon Peak Period Heavy Vehicle Percentage: 6.70%

PM Period Heavy Vehicle Percentage: 4.7%

Average Daily Heavy Vehicle Percentage: 5.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. San Diego Mission Rd & I-15 SB Ramps

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_025

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	272	28	0	12	0	0	1	5	0	0	0	0	318
01:00	0	212	23	0	12	0	0	1	7	0	0	0	0	255
02:00	0	188	19	0	11	0	0	3	5	0	0	0	0	226
03:00	0	200	36	0	9	0	0	0	1	0	0	0	0	246
04:00	0	453	64	2	34	0	0	1	0	0	0	0	0	554
05:00	0	1056	161	3	68	4	0	3	0	0	0	0	0	1295
06:00	2	2551	365	5	196	7	2	12	13	0	2	0	0	3155
07:00	4	2896	388	8	202	3	2	11	11	3	1	0	0	3529
08:00	4	3120	424	5	205	4	0	15	11	0	1	0	0	3789
09:00	0	2573	332	5	191	8	1	11	10	4	1	0	0	3136
10:00	0	2507	322	9	188	7	2	12	7	0	0	0	0	3054
11:00	4	2641	328	5	174	5	1	15	12	1	1	0	0	3187
12:00 PM	3	2744	370	4	185	4	0	16	11	0	2	0	0	3339
13:00	4	2923	391	6	200	8	0	13	16	0	2	0	0	3563
14:00	5	3293	478	9	223	8	1	12	13	1	1	0	0	4044
15:00	4	3438	459	12	173	8	1	15	15	0	0	0	0	4125
16:00	3	3871	414	11	164	8	0	16	11	1	0	0	0	4499
17:00	5	3784	397	12	165	10	0	12	9	0	0	0	0	4394
18:00	3	3172	349	8	139	6	1	6	9	0	0	0	0	3693
19:00	3	2223	220	4	94	6	1	9	5	0	0	0	0	2565
20:00	0	1576	161	1	62	4	0	4	5	0	0	0	0	1813
21:00	0	1158	117	0	39	0	0	1	0	0	0	0	0	1315
22:00	0	857	80	0	31	0	0	0	6	0	0	0	0	974
23:00	0	612	66	0	23	0	0	0	1	0	0	0	0	702
Totals	44	48320	5992	109	2800	100	12	189	183	10	11			57770
% of Totals	0%	84%	10%	0%	5%	0%	0%	0%	0%	0%	0%			100%

AM Volumes	14	18669	2490	42	1302	38	8	85	82	8	6	0	0	22744
% AM	0%	32%	4%	0%	2%	0%	0%	0%	0%	0%	0%			39%
AM Peak Hour	07:00	08:00	08:00	10:00	08:00	09:00	06:00	08:00	06:00	09:00	06:00			08:00
Volume	4	3120	424	9	205	8	2	15	13	4	2			3789
PM Volumes	30	29651	3502	67	1498	62	4	104	101	2	5	0	0	35026
% PM	0%	51%	6%	0%	3%	0%	0%	0%	0%	0%	0%			61%
PM Peak Hour	14:00	16:00	14:00	15:00	14:00	17:00	14:00	12:00	13:00	14:00	12:00			16:00
Volume	5	3871	478	12	223	10	1	16	16	1	2			4499

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	7318	⟷	13%	6902	⟷	12%	8893	⟷	15%	34657	⟷	60%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 >=4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

25

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. San Diego Mission Rd & I-15 SB Ramps

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_025

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	28,986	28,784	57,770

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			46		40		86		12:00			420		428		848	
00:15			60		38		98		12:15			403		416		819	
00:30			38		36		74		12:30			390		456		846	
00:45			27	171	33	147	60	318	12:45			418	1631	408	1708	826	3339
01:00			32		19		51		13:00			413		392		805	
01:15			43		33		76		13:15			483		444		927	
01:30			47		23		70		13:30			475		458		933	
01:45			39	161	19	94	58	255	13:45			488	1859	410	1704	898	3563
02:00			30		25		55		14:00			523		446		969	
02:15			35		19		54		14:15			576		487		1063	
02:30			37		23		60		14:30			562		498		1060	
02:45			35	137	22	89	57	226	14:45			490	2151	462	1893	952	4044
03:00			27		19		46		15:00			505		444		949	
03:15			26		41		67		15:15			539		431		970	
03:30			32		31		63		15:30			631		473		1104	
03:45			31	116	39	130	70	246	15:45			678	2353	424	1772	1102	4125
04:00			30		56		86		16:00			683		436		1119	
04:15			47		81		128		16:15			668		412		1080	
04:30			70		91		161		16:30			680		448		1128	
04:45			63	210	116	344	179	554	16:45			753	2784	419	1715	1172	4499
05:00			83		114		197		17:00			670		486		1156	
05:15			125		174		299		17:15			768		433		1201	
05:30			164		209		373		17:30			673		386		1059	
05:45			179	551	247	744	426	1295	17:45			617	2728	361	1666	978	4394
06:00			205		379		584		18:00			645		375		1020	
06:15			240		520		760		18:15			555		370		925	
06:30			297		643		940		18:30			547		337		884	
06:45			237	979	634	2176	871	3155	18:45			518	2265	346	1428	864	3693
07:00			224		605		829		19:00			449		299		748	
07:15			222		623		845		19:15			381		256		637	
07:30			278		653		931		19:30			362		290		652	
07:45			293	1017	631	2512	924	3529	19:45			288	1480	240	1085	528	2565
08:00			300		657		957		20:00			279		212		491	
08:15			289		662		951		20:15			252		206		458	
08:30			319		693		1012		20:30			240		185		425	
08:45			319	1227	550	2562	869	3789	20:45			275	1046	164	767	439	1813
09:00			322		448		770		21:00			217		151		368	
09:15			376		436		812		21:15			194		156		350	
09:30			335		439		774		21:30			173		136		309	
09:45			343	1376	437	1760	780	3136	21:45			173	757	115	558	288	1315
10:00			338		439		777		22:00			179		113		292	
10:15			364		394		758		22:15			140		110		250	
10:30			332		424		756		22:30			128		109		237	
10:45			397	1431	366	1623	763	3054	22:45			114	561	81	413	195	974
11:00			390		385		775		23:00			108		80		188	
11:15			374		361		735		23:15			114		84		198	
11:30			438		405		843		23:30			83		112		195	
11:45			425	1627	409	1560	834	3187	23:45			63	368	58	334	121	702
TOTALS				9003		13741		22744	TOTALS				19983		15043		35026
SPLIT %				39.6%		60.4%		39.4%	SPLIT %				57.1%		42.9%		60.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	28,986	28,784	57,770

AM Peak Hour			11:30	07:45	07:45	PM Peak Hour			16:30	14:00	16:30
AM Pk Volume			1686	2643	3844	PM Pk Volume			2871	1893	4657
Pk Hr Factor			0.962	0.953	0.950	Pk Hr Factor			0.935	0.950	0.969
7 - 9 Volume	0	0	2244	5074	7318	4 - 6 Volume	0	0	5512	3381	8893
7 - 9 Peak Hour			08:00	07:45	07:45	4 - 6 Peak Hour			16:30	16:30	16:30
7 - 9 Pk Volume	0	0	1227	2643	3844	4 - 6 Pk Volume	0	0	2871	1786	4657
Pk Hr Factor	0.000	0.000	0.962	0.953	0.950	Pk Hr Factor	0.000	0.000	0.935	0.919	0.969

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. San Diego Mission Rd & I-15 SB Ramps

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_025

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	1	294	29	0	15	0	0	0	3	0	0	0	0	342
01:00	0	226	25	0	19	0	0	0	4	0	0	0	0	274
02:00	0	209	22	1	8	0	0	0	5	0	0	0	0	245
03:00	0	228	47	0	20	0	0	2	3	0	0	0	0	300
04:00	0	468	83	2	39	0	0	0	0	0	0	0	0	592
05:00	0	1113	164	3	77	1	0	7	5	0	1	0	0	1371
06:00	2	2455	338	6	194	3	3	14	8	0	2	0	0	3025
07:00	7	2990	397	8	208	7	2	10	17	2	1	0	0	3649
08:00	4	3029	408	9	231	7	2	13	9	2	2	0	0	3716
09:00	3	2498	344	7	188	5	0	12	13	0	1	0	0	3071
10:00	4	2540	334	4	160	9	1	13	16	0	1	0	0	3082
11:00	5	2690	360	7	175	5	1	14	14	0	2	0	0	3273
12:00 PM	5	2923	373	6	191	9	0	7	7	0	0	0	0	3521
13:00	3	2974	402	3	194	7	0	16	11	0	2	0	0	3612
14:00	4	3293	470	9	219	13	0	17	9	0	1	0	0	4035
15:00	3	3521	436	11	179	8	0	13	16	0	0	0	0	4187
16:00	3	3810	402	12	167	8	0	11	15	0	0	0	0	4428
17:00	5	3645	371	9	161	7	0	12	9	0	0	0	0	4219
18:00	4	2892	302	7	120	4	0	9	8	0	0	0	0	3346
19:00	0	2237	218	4	94	3	0	8	7	0	0	0	0	2571
20:00	0	1597	169	2	72	0	0	7	4	0	0	0	0	1851
21:00	1	1197	122	1	44	0	0	3	5	0	0	0	0	1373
22:00	2	844	74	0	30	0	0	0	3	0	0	0	0	953
23:00	1	596	61	0	23	0	0	0	0	0	0	0	0	681
Totals	57	48269	5951	111	2828	96	9	188	191	4	13			57717
% of Totals	0%	84%	10%	0%	5%	0%	0%	0%	0%	0%	0%			100%

AM Volumes	26	18740	2551	47	1334	37	9	85	97	4	10	0	0	22940
% AM	0%	32%	4%	0%	2%	0%	0%	0%	0%	0%	0%			40%
AM Peak Hour	07:00	08:00	08:00	08:00	08:00	10:00	06:00	06:00	07:00	07:00	06:00			08:00
Volume	7	3029	408	9	231	9	3	14	17	2	2			3716
PM Volumes	31	29529	3400	64	1494	59	0	103	94	0	3	0	0	34777
% PM	0%	51%	6%	0%	3%	0%		0%	0%		0%			60%
PM Peak Hour	12:00	16:00	14:00	16:00	14:00	14:00		14:00	15:00		13:00			16:00
Volume	5	3810	470	12	219	13		17	16		2			4428

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	7365	⟷	13%	7133	⟷	12%	8647	⟷	15%	34572	⟷	60%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

25

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. San Diego Mission Rd & I-15 SB Ramps

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_025

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	28,983	28,734	57,717

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			60		52		112		12:00			433		444		877	
00:15			56		32		88		12:15			417		462		879	
00:30			47		28		75		12:30			456		420		876	
00:45			35	198	32	144	67	342	12:45			428	1734	461	1787	889	3521
01:00			40		35		75		13:00			437		429		866	
01:15			39		31		70		13:15			410		465		875	
01:30			33		23		56		13:30			467		453		920	
01:45			49	161	24	113	73	274	13:45			514	1828	437	1784	951	3612
02:00			38		24		62		14:00			532		448		980	
02:15			34		18		52		14:15			508		505		1013	
02:30			33		33		66		14:30			553		532		1085	
02:45			32	137	33	108	65	245	14:45			490	2083	467	1952	957	4035
03:00			39		32		71		15:00			522		462		984	
03:15			38		31		69		15:15			535		470		1005	
03:30			32		41		73		15:30			659		454		1113	
03:45			41	150	46	150	87	300	15:45			690	2406	395	1781	1085	4187
04:00			45		55		100		16:00			709		413		1122	
04:15			42		75		117		16:15			690		406		1096	
04:30			84		104		188		16:30			701		401		1102	
04:45			80	251	107	341	187	592	16:45			703	2803	405	1625	1108	4428
05:00			97		115		212		17:00			676		467		1143	
05:15			129		176		305		17:15			672		416		1088	
05:30			167		231		398		17:30			668		366		1034	
05:45			193	586	263	785	456	1371	17:45			612	2628	342	1591	954	4219
06:00			199		320		519		18:00			592		370		962	
06:15			260		448		708		18:15			522		319		841	
06:30			274		660		934		18:30			494		330		824	
06:45			218	951	646	2074	864	3025	18:45			418	2026	301	1320	719	3346
07:00			208		647		855		19:00			406		323		729	
07:15			243		609		852		19:15			366		304		670	
07:30			279		624		903		19:30			326		296		622	
07:45			328	1058	711	2591	1039	3649	19:45			307	1405	243	1166	550	2571
08:00			310		728		1038		20:00			261		249		510	
08:15			307		659		966		20:15			247		220		467	
08:30			323		576		899		20:30			235		216		451	
08:45			331	1271	482	2445	813	3716	20:45			224	967	199	884	423	1851
09:00			345		419		764		21:00			232		189		421	
09:15			328		422		750		21:15			206		134		340	
09:30			377		409		786		21:30			181		154		335	
09:45			400	1450	371	1621	771	3071	21:45			169	788	108	585	277	1373
10:00			362		370		732		22:00			157		118		275	
10:15			357		410		767		22:15			151		107		258	
10:30			410		409		819		22:30			143		93		236	
10:45			390	1519	374	1563	764	3082	22:45			111	562	73	391	184	953
11:00			367		396		763		23:00			113		79		192	
11:15			405		366		771		23:15			89		80		169	
11:30			433		419		852		23:30			83		101		184	
11:45			454	1659	433	1614	887	3273	23:45			77	362	59	319	136	681
TOTALS				9391		13549		22940	TOTALS				19592		15185		34777
SPLIT %				40.9%		59.1%		39.7%	SPLIT %				56.3%		43.7%		60.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	28,983	28,734	57,717

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			16:00	14:15	16:15
AM Pk Volume			1760	2722	3946	PM Pk Volume			2803	1966	4449
Pk Hr Factor			0.965	0.935	0.949	Pk Hr Factor			0.988	0.924	0.973
7 - 9 Volume	0	0	2329	5036	7365	4 - 6 Volume	0	0	5431	3216	8647
7 - 9 Peak Hour			08:00	07:30	07:30	4 - 6 Peak Hour			16:00	16:30	16:15
7 - 9 Pk Volume	0	0	1271	2722	3946	4 - 6 Pk Volume	0	0	2803	1689	4449
Pk Hr Factor	0.000	0.000	0.960	0.935	0.949	Pk Hr Factor	0.000	0.000	0.988	0.904	0.973

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From I-15 SB Ramps to I-15 NB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			31		38			12:00			318		314		
00:15			30		40			12:15			345		345		
00:30			28		28			12:30			384		319		
00:45			32	121	21	127	248	12:45			384	1431	309	1287	2718
01:00			28		22			13:00			374		312		
01:15			20		16			13:15			419		318		
01:30			15		18			13:30			405		305		
01:45			19	82	20	76	158	13:45			425	1623	284	1219	2842
02:00			20		15			14:00			384		295		
02:15			16		19			14:15			386		262		
02:30			11		11			14:30			395		284		
02:45			10	57	16	61	118	14:45			380	1545	312	1153	2698
03:00			12		12			15:00			444		305		
03:15			18		15			15:15			415		284		
03:30			16		18			15:30			452		295		
03:45			17	63	22	67	130	15:45			435	1746	312	1196	2942
04:00			21		28			16:00			612		418		
04:15			28		45			16:15			648		388		
04:30			44		51			16:30			716		425		
04:45			51	144	68	192	336	16:45			784	2760	406	1637	4397
05:00			68		95			17:00			651		451		
05:15			81		126			17:15			684		444		
05:30			94		145			17:30			691		406		
05:45			121	364	189	555	919	17:45			644	2670	421	1722	4392
06:00			135		216			18:00			589		384		
06:15			168		245			18:15			495		345		
06:30			191		295			18:30			412		342		
06:45			216	710	348	1104	1814	18:45			384	1880	352	1423	3303
07:00			254		441			19:00			362		318		
07:15			268		461			19:15			305		280		
07:30			313		551			19:30			284		221		
07:45			326	1161	542	1995	3156	19:45			295	1246	213	1032	2278
08:00			305		585			20:00			222		205		
08:15			291		612			20:15			216		162		
08:30			306		540			20:30			184		174		
08:45			331	1233	428	2165	3398	20:45			161	783	184	725	1508
09:00			319		484			21:00			170		111		
09:15			305		412			21:15			102		105		
09:30			284		406			21:30			103		84		
09:45			262	1170	384	1686	2856	21:45			88	463	95	395	858
10:00			242		385			22:00			70		65		
10:15			251		345			22:15			65		70		
10:30			241		345			22:30			70		54		
10:45			268	1002	333	1408	2410	22:45			55	260	35	224	484
11:00			298		306			23:00			58		44		
11:15			311		284			23:15			42		47		
11:30			305		266			23:30			35		41		
11:45			315	1229	295	1151	2380	23:45			28	163	32	164	327
Total Vol.			7336		10587		**17923**				16570		12177		**28747**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			23906	22764	**46670**

	AM			PM		
Split %	40.9%	59.1%	**38.4%**	57.6%	42.4%	**61.6%**
Peak Hour	11:45	07:30	**07:30**	16:30	16:30	**16:30**
Volume	1362	2290	**3525**	2835	1726	**4561**
P.H.F.	0.89	0.94	**0.98**	0.90	0.96	**0.96**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Friars Road, From I-15 SB Ramps to I-15 NB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			38		44			12:00			328		331		
00:15			41		38			12:15			315		315		
00:30			28		31			12:30			315		328		
00:45			26	133	38	151	284	12:45			362	1320	316	1290	2610
01:00			20		28			13:00			370		305		
01:15			19		26			13:15			386		311		
01:30			20		20			13:30			452		342		
01:45			15	74	19	93	167	13:45			416	1624	316	1274	2898
02:00			18		20			14:00			405		305		
02:15			20		15			14:15			428		284		
02:30			16		11			14:30			412		296		
02:45			19	73	19	65	138	14:45			405	1650	266	1151	2801
03:00			11		11			15:00			384		333		
03:15			18		16			15:15			452		318		
03:30			21		20			15:30			444		305		
03:45			16	66	18	65	131	15:45			425	1705	342	1298	3003
04:00			26		17			16:00			612		418		
04:15			35		44			16:15			642		388		
04:30			48		35			16:30			695		412		
04:45			55	164	48	144	308	16:45			718	2667	425	1643	4310
05:00			70		68			17:00			707		444		
05:15			84		98			17:15			626		506		
05:30			105		128			17:30			606		418		
05:45			95	354	159	453	807	17:45			528	2467	369	1737	4204
06:00			141		195			18:00			505		396		
06:15			151		212			18:15			425		303		
06:30			189		258			18:30			442		325		
06:45			235	716	296	961	1677	18:45			359	1731	333	1357	3088
07:00			262		384			19:00			366		333		
07:15			284		445			19:15			328		258		
07:30			333		425			19:30			303		254		
07:45			305	1184	535	1789	2973	19:45			280	1277	202	1047	2324
08:00			342		568			20:00			213		219		
08:15			384		598			20:15			242		205		
08:30			313		525			20:30			203		180		
08:45			342	1381	505	2196	3577	20:45			180	838	151	755	1593
09:00			303		513			21:00			151		101		
09:15			285		425			21:15			111		88		
09:30			296		419			21:30			106		95		
09:45			312	1196	380	1737	2933	21:45			121	489	90	374	863
10:00			285		362			22:00			88		70		
10:15			226		375			22:15			70		54		
10:30			258		352			22:30			65		66		
10:45			269	1038	366	1455	2493	22:45			66	289	50	240	529
11:00			254		326			23:00			52		43		
11:15			289		306			23:15			52		41		
11:30			312		316			23:30			40		38		
11:45			305	1160	313	1261	2421	23:45			33	177	33	155	332
Total Vol.			7539		10370		**17909**				16234		12321		**28555**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			23773	22691	**46464**

	AM			PM		
Split %	42.1%	57.9%	**38.5%**	56.9%	43.1%	**61.5%**
Peak Hour	08:00	07:45	**08:00**	16:15	16:45	**16:30**
Volume	1381	2226	**3577**	2762	1793	**4533**
P.H.F.	0.90	0.93	**0.91**	0.96	0.89	**0.98**

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. I-15 NB Ramps & Rancho Mission Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_027

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	24,693	27,449	52,142

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			46		42		88		12:00			373		350		723	
00:15			43		31		74		12:15			376		411		787	
00:30			38		32		70		12:30			394		400		794	
00:45			43	170	20	125	63	295	12:45			385	1528	429	1590	814	3118
01:00			33		26		59		13:00			369		388		757	
01:15			35		22		57		13:15			385		375		760	
01:30			23		35		58		13:30			396		426		822	
01:45			35	126	22	105	57	231	13:45			377	1527	396	1585	773	3112
02:00			25		20		45		14:00			388		401		789	
02:15			20		15		35		14:15			412		403		815	
02:30			18		22		40		14:30			435		481		916	
02:45			21	84	17	74	38	158	14:45			489	1724	582	1867	1071	3591
03:00			24		24		48		15:00			489		491		980	
03:15			33		19		52		15:15			497		485		982	
03:30			22		47		69		15:30			521		437		958	
03:45			29	108	44	134	73	242	15:45			547	2054	392	1805	939	3859
04:00			27		45		72		16:00			533		396		929	
04:15			34		58		92		16:15			573		442		1015	
04:30			50		96		146		16:30			594		387		981	
04:45			74	185	107	306	181	491	16:45			553	2253	416	1641	969	3894
05:00			84		106		190		17:00			567		407		974	
05:15			111		137		248		17:15			528		415		943	
05:30			133		191		324		17:30			556		412		968	
05:45			162	490	214	648	376	1138	17:45			516	2167	333	1567	849	3734
06:00			190		277		467		18:00			480		366		846	
06:15			206		412		618		18:15			501		351		852	
06:30			229		563		792		18:30			445		308		753	
06:45			246	871	564	1816	810	2687	18:45			428	1854	325	1350	753	3204
07:00			174		576		750		19:00			311		323		634	
07:15			186		675		861		19:15			311		270		581	
07:30			223		634		857		19:30			311		287		598	
07:45			257	840	626	2511	883	3351	19:45			280	1213	235	1115	515	2328
08:00			251		645		896		20:00			251		194		445	
08:15			293		703		996		20:15			264		214		478	
08:30			259		621		880		20:30			226		211		437	
08:45			293	1096	549	2518	842	3614	20:45			213	954	185	804	398	1758
09:00			276		429		705		21:00			212		193		405	
09:15			311		368		679		21:15			208		143		351	
09:30			292		402		694		21:30			182		139		321	
09:45			303	1182	373	1572	676	2754	21:45			176	778	114	589	290	1367
10:00			264		363		627		22:00			155		115		270	
10:15			291		356		647		22:15			146		108		254	
10:30			336		369		705		22:30			119		93		212	
10:45			336	1227	370	1458	706	2685	22:45			129	549	74	390	203	939
11:00			309		384		693		23:00			95		86		181	
11:15			343		398		741		23:15			87		72		159	
11:30			376		378		754		23:30			65		128		193	
11:45			372	1400	363	1523	735	2923	23:45			66	313	70	356	136	669
TOTALS				7779		12790		**20569**	**TOTALS**				16914		14659		**31573**
SPLIT %				37.8%		62.2%		**39.4%**	**SPLIT %**				53.6%		46.4%		**60.6%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	24,693	27,449	52,142

AM Peak Hour			11:45	07:30	**07:45**	**PM Peak Hour**			16:15	14:30	**14:45**
AM Pk Volume			1515	2608	**3655**	**PM Pk Volume**			2287	2039	**3991**
Pk Hr Factor			0.961	0.927	**0.917**	**Pk Hr Factor**			0.963	0.876	**0.932**
7 - 9 Volume	0	0	1936	5029	**6965**	**4 - 6 Volume**	0	0	4420	3208	**7628**
7 - 9 Peak Hour			08:00	07:30	**07:45**	**4 - 6 Peak Hour**			16:15	16:15	**16:15**
7 - 9 Pk Volume	0	0	1096	2608	**3655**	**4 - 6 Pk Volume**	0	0	2287	1652	**3939**
Pk Hr Factor	0.000	0.000	0.935	0.927	**0.917**	**Pk Hr Factor**	0.000	0.000	0.963	0.934	**0.970**

27

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. I-15 NB Ramps & Rancho Mission Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_027

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	24,151	26,922	51,073

AM Period	NB		SB		EB		WB		TOTAL	
00:00					51		43		94	
00:15					46		43		89	
00:30					53		37		90	
00:45					49	199	25	148	74	347
01:00					38		21		59	
01:15					37		21		58	
01:30					30		34		64	
01:45					30	135	15	91	45	226
02:00					29		20		49	
02:15					36		20		56	
02:30					26		30		56	
02:45					22	113	15	85	37	198
03:00					32		31		63	
03:15					24		29		53	
03:30					47		45		92	
03:45					32	135	41	146	73	281
04:00					27		69		96	
04:15					33		67		100	
04:30					66		88		154	
04:45					83	209	114	338	197	547
05:00					67		103		170	
05:15					104		130		234	
05:30					128		185		313	
05:45					174	473	227	645	401	1118
06:00					159		273		432	
06:15					184		361		545	
06:30					228		524		752	
06:45					245	816	542	1700	787	2516
07:00					194		589		783	
07:15					184		636		820	
07:30					216		650		866	
07:45					275	869	606	2481	881	3350
08:00					254		652		906	
08:15					274		673		947	
08:30					286		641		927	
08:45					266	1080	556	2522	822	3602
09:00					273		511		784	
09:15					295		382		677	
09:30					284		404		688	
09:45					304	1156	394	1691	698	2847
10:00					290		330		620	
10:15					286		383		669	
10:30					329		362		691	
10:45					351	1256	343	1418	694	2674
11:00					333		339		672	
11:15					334		330		664	
11:30					329		427		756	
11:45					352	1348	359	1455	711	2803
TOTALS						7789		12720		**20509**
SPLIT %						38.0%		62.0%		**40.2%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00					352		398		750	
12:15					305		377		682	
12:30					370		395		765	
12:45					361	1388	445	1615	806	3003
13:00					379		408		787	
13:15					365		422		787	
13:30					380		414		794	
13:45					423	1547	392	1636	815	3183
14:00					406		378		784	
14:15					451		368		819	
14:30					432		467		899	
14:45					439	1728	467	1680	906	3408
15:00					437		476		913	
15:15					444		402		846	
15:30					442		433		875	
15:45					565	1888	362	1673	927	3561
16:00					537		365		902	
16:15					563		391		954	
16:30					585		401		986	
16:45					592	2277	411	1568	1003	3845
17:00					548		436		984	
17:15					575		406		981	
17:30					596		387		983	
17:45					577	2296	345	1574	922	3870
18:00					516		301		817	
18:15					480		326		806	
18:30					416		297		713	
18:45					388	1800	276	1200	664	3000
19:00					317		286		603	
19:15					276		257		533	
19:30					268		266		534	
19:45					290	1151	272	1081	562	2232
20:00					234		211		445	
20:15					226		211		437	
20:30					173		193		366	
20:45					186	819	192	807	378	1626
21:00					195		183		378	
21:15					203		168		371	
21:30					154		151		305	
21:45					138	690	120	622	258	1312
22:00					133		119		252	
22:15					138		97		235	
22:30					125		109		234	
22:45					104	500	85	410	189	910
23:00					82		68		150	
23:15					77		65		142	
23:30					57		123		180	
23:45					62	278	80	336	142	614
TOTALS						16362		14202		**30564**
SPLIT %						53.5%		46.5%		**59.8%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	24,151	26,922	51,073

AM Peak Hour				11:45	07:30	**07:45**	**PM Peak Hour**			16:45	14:30	**16:30**
AM Pk Volume				1379	2581	**3661**	**PM Pk Volume**			2311	1812	**3954**
Pk Hr Factor				0.932	0.959	**0.966**	**Pk Hr Factor**			0.969	0.952	**0.986**
7 - 9 Volume	0	0		1949	5003	**6952**	**4 - 6 Volume**	0	0	4573	3142	**7715**
7 - 9 Peak Hour				07:45	07:30	**07:45**	**4 - 6 Peak Hour**			16:45	16:30	**16:30**
7 - 9 Pk Volume	0	0		1089	2581	**3661**	**4 - 6 Pk Volume**	0	0	2311	1654	**3954**
Pk Hr Factor	0.000	0.000		0.952	0.959	**0.966**	**Pk Hr Factor**	0.000	0.000	0.969	0.948	**0.986**

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Rancho Mission Rd & Santo Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_028

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,075	20,940	40,015

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			27		36		63		12:00			290		282		572	
00:15			29		28		57		12:15			263		305		568	
00:30			19		22		41		12:30			263		326		589	
00:45			23	98	11	97	34	195	12:45			279	1095	296	1209	575	2304
01:00			21		23		44		13:00			258		291		549	
01:15			17		14		31		13:15			265		266		531	
01:30			15		24		39		13:30			262		281		543	
01:45			15	68	15	76	30	144	13:45			278	1063	285	1123	563	2186
02:00			17		9		26		14:00			268		308		576	
02:15			9		13		22		14:15			299		292		591	
02:30			21		19		40		14:30			334		397		731	
02:45			16	63	16	57	32	120	14:45			372	1273	433	1430	805	2703
03:00			17		22		39		15:00			411		371		782	
03:15			21		14		35		15:15			423		350		773	
03:30			19		38		57		15:30			404		346		750	
03:45			22	79	23	97	45	176	15:45			448	1686	290	1357	738	3043
04:00			17		18		35		16:00			443		341		784	
04:15			23		32		55		16:15			478		334		812	
04:30			32		66		98		16:30			561		349		910	
04:45			74	146	80	196	154	342	16:45			526	2008	325	1349	851	3357
05:00			63		69		132		17:00			558		316		874	
05:15			70		89		159		17:15			537		340		877	
05:30			101		122		223		17:30			544		296		840	
05:45			112	346	145	425	257	771	17:45			504	2143	260	1212	764	3355
06:00			149		193		342		18:00			431		252		683	
06:15			159		301		460		18:15			373		243		616	
06:30			168		430		598		18:30			383		197		580	
06:45			215	691	443	1367	658	2058	18:45			350	1537	238	930	588	2467
07:00			142		466		608		19:00			259		240		499	
07:15			156		593		749		19:15			235		194		429	
07:30			179		608		787		19:30			229		240		469	
07:45			165	642	614	2281	779	2923	19:45			226	949	172	846	398	1795
08:00			179		638		817		20:00			166		145		311	
08:15			191		538		729		20:15			177		169		346	
08:30			161		423		584		20:30			174		162		336	
08:45			184	715	374	1973	558	2688	20:45			152	669	136	612	288	1281
09:00			194		317		511		21:00			150		138		288	
09:15			216		276		492		21:15			117		103		220	
09:30			189		252		441		21:30			132		98		230	
09:45			234	833	268	1113	502	1946	21:45			97	496	85	424	182	920
10:00			172		268		440		22:00			113		69		182	
10:15			221		253		474		22:15			115		83		198	
10:30			230		270		500		22:30			76		62		138	
10:45			240	863	261	1052	501	1915	22:45			84	388	55	269	139	657
11:00			231		297		528		23:00			62		60		122	
11:15			238		298		536		23:15			57		57		114	
11:30			273		288		561		23:30			40		114		154	
11:45			280	1022	277	1160	557	2182	23:45			43	202	54	285	97	487
TOTALS				5566		9894		15460	TOTALS				13509		11046		24555
SPLIT %				36.0%		64.0%		38.6%	SPLIT %				55.0%		45.0%		61.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,075	20,940	40,015

AM Peak Hour			11:30	07:15	07:15	PM Peak Hour			16:30	14:30	16:30
AM Pk Volume			1106	2453	3132	PM Pk Volume			2182	1551	3512
Pk Hr Factor			0.953	0.961	0.958	Pk Hr Factor			0.972	0.895	0.965
7 - 9 Volume	0	0	1357	4254	5611	4 - 6 Volume	0	0	4151	2561	6712
7 - 9 Peak Hour			08:00	07:15	07:15	4 - 6 Peak Hour			16:30	16:00	16:30
7 - 9 Pk Volume	0	0	715	2453	3132	4 - 6 Pk Volume	0	0	2182	1349	3512
Pk Hr Factor	0.000	0.000	0.936	0.961	0.958	Pk Hr Factor	0.000	0.000	0.972	0.966	0.965

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Rancho Mission Rd & Santo Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_028

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	18,441	20,408	38,849

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			34		30		64		12:00			271		306		577	
00:15			26		28		54		12:15			235		286		521	
00:30			30		24		54		12:30			276		310		586	
00:45			26	116	22	104	48	220	12:45			284	1066	300	1202	584	2268
01:00			21		13		34		13:00			252		296		548	
01:15			17		16		33		13:15			287		287		574	
01:30			21		28		49		13:30			305		284		589	
01:45			17	76	12	69	29	145	13:45			314	1158	277	1144	591	2302
02:00			17		13		30		14:00			298		284		582	
02:15			19		19		38		14:15			335		299		634	
02:30			20		19		39		14:30			322		333		655	
02:45			18	74	13	64	31	138	14:45			342	1297	357	1273	699	2570
03:00			25		28		53		15:00			323		357		680	
03:15			12		21		33		15:15			365		311		676	
03:30			29		31		60		15:30			389		339		728	
03:45			30	96	21	101	51	197	15:45			441	1518	271	1278	712	2796
04:00			22		42		64		16:00			440		286		726	
04:15			21		41		62		16:15			488		293		781	
04:30			47		57		104		16:30			499		303		802	
04:45			68	158	74	214	142	372	16:45			514	1941	314	1196	828	3137
05:00			56		71		127		17:00			468		307		775	
05:15			73		79		152		17:15			501		295		796	
05:30			90		124		214		17:30			472		277		749	
05:45			120	339	155	429	275	768	17:45			518	1959	241	1120	759	3079
06:00			131		206		337		18:00			432		225		657	
06:15			142		249		391		18:15			379		237		616	
06:30			180		417		597		18:30			320		234		554	
06:45			185	638	454	1326	639	1964	18:45			313	1444	233	929	546	2373
07:00			146		484		630		19:00			217		196		413	
07:15			177		559		736		19:15			242		206		448	
07:30			161		615		776		19:30			193		189		382	
07:45			157	641	623	2281	780	2922	19:45			191	843	197	788	388	1631
08:00			169		578		747		20:00			174		174		348	
08:15			186		477		663		20:15			169		162		331	
08:30			176		455		631		20:30			171		119		290	
08:45			187	718	408	1918	595	2636	20:45			155	669	144	599	299	1268
09:00			183		404		587		21:00			139		142		281	
09:15			192		268		460		21:15			131		122		253	
09:30			213		278		491		21:30			108		104		212	
09:45			215	803	276	1226	491	2029	21:45			99	477	97	465	196	942
10:00			190		244		434		22:00			98		85		183	
10:15			205		280		485		22:15			77		66		143	
10:30			225		248		473		22:30			86		77		163	
10:45			237	857	271	1043	508	1900	22:45			114	375	63	291	177	666
11:00			227		262		489		23:00			53		49		102	
11:15			257		243		500		23:15			47		51		98	
11:30			246		312		558		23:30			45		116		161	
11:45			268	998	261	1078	529	2076	23:45			35	180	54	270	89	450
TOTALS				5514		9853		15367	TOTALS				12927		10555		23482
SPLIT %				35.9%		64.1%		39.6%	SPLIT %				55.1%		44.9%		60.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	18,441	20,408	38,849

AM Peak Hour			11:45	07:15	07:15	PM Peak Hour			16:30	14:45	16:30
AM Pk Volume			1050	2375	3039	PM Pk Volume			1982	1364	3201
Pk Hr Factor			0.951	0.953	0.974	Pk Hr Factor			0.964	0.955	0.966
7 - 9 Volume	0	0	1359	4199	5558	4 - 6 Volume	0	0	3900	2316	6216
7 - 9 Peak Hour			08:00	07:15	07:15	4 - 6 Peak Hour			16:30	16:30	16:30
7 - 9 Pk Volume	0	0	718	2375	3039	4 - 6 Pk Volume	0	0	1982	1219	3201
Pk Hr Factor	0.000	0.000	0.960	0.953	0.974	Pk Hr Factor	0.000	0.000	0.964	0.971	0.966

Segment ID: 29

Friars Rd from Santo Rd to Riverdale St

AM Peak Period Heavy Vehicle Percentage: 8.85%

Noon Peak Period Heavy Vehicle Percentage: 9.60%

PM Period Heavy Vehicle Percentage: 7.30%

Average Daily Heavy Vehicle Percentage: 7.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Santo Rd & Riverdale St

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_029

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	118	21	0	7	0	1	0	2	0	1	0	0	150
01:00	0	79	11	0	9	0	0	2	3	0	0	0	0	104
02:00	0	134	16	0	15	0	0	2	4	0	0	0	0	171
03:00	0	132	15	0	15	0	0	4	3	0	0	0	0	169
04:00	1	275	49	0	48	0	0	7	2	0	0	0	0	382
05:00	0	734	121	8	82	0	0	7	2	0	1	0	0	955
06:00	2	2030	249	5	188	5	0	14	13	0	1	0	0	2507
07:00	6	2434	311	13	188	8	1	12	13	0	0	0	0	2986
08:00	1	2374	310	16	201	9	0	12	19	0	0	0	0	2942
09:00	5	1830	224	8	166	10	1	18	9	0	0	0	0	2271
10:00	2	1801	240	12	162	6	1	11	15	0	0	0	0	2250
11:00	3	1879	248	7	186	6	0	22	13	0	2	0	0	2366
12:00 PM	3	2004	298	9	158	11	0	14	18	0	0	0	0	2515
13:00	2	2002	276	7	177	11	0	11	17	0	3	0	0	2506
14:00	2	2419	354	7	244	10	0	18	16	0	0	0	0	3070
15:00	5	2452	312	5	206	6	0	13	10	0	2	0	0	3011
16:00	7	2782	333	9	211	8	0	11	20	0	0	0	0	3381
17:00	5	2711	333	8	181	9	0	14	16	0	1	0	0	3278
18:00	4	2210	270	7	143	3	0	18	7	0	0	0	0	2662
19:00	3	1578	185	5	101	3	0	10	9	0	0	0	0	1894
20:00	1	1107	131	1	76	0	0	5	2	0	0	0	0	1323
21:00	2	835	98	0	56	1	0	5	1	0	0	0	0	998
22:00	2	611	62	0	40	0	0	1	2	0	1	0	0	719
23:00	0	397	38	0	25	0	0	2	1	0	1	0	0	464
Totals	56	34928	4505	127	2885	106	4	233	217		13			43074
% of Totals	0%	81%	10%	0%	7%	0%	0%	1%	1%		0%			100%

AM Volumes	20	13820	1815	69	1267	44	4	111	98	0	5	0	0	17253
% AM	0%	32%	4%	0%	3%	0%	0%	0%	0%		0%			40%
AM Peak Hour	07:00	07:00	07:00	08:00	08:00	09:00		11:00	08:00		11:00			07:00
Volume	6	2434	311	16	201	10	1	22	19		2			2986
PM Volumes	36	21108	2690	58	1618	62	0	122	119	0	8	0	0	25821
% PM	0%	49%	6%	0%	4%	0%		0%	0%		0%			60%
PM Peak Hour	16:00	16:00	14:00	12:00	14:00	12:00		14:00	16:00		13:00			16:00
Volume	7	2782	354	9	244	11		18	20		3			3381

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	5928	⟷	14%	5021	⟷	12%	6659	⟷	15%	25466	⟷	59%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Santo Rd & Riverdale St

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_029

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	20,214	22,860	43,074

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			10		28		38		12:00			259		342		601	
00:15			15		27		42		12:15			304		333		637	
00:30			10		27		37		12:30			297		365		662	
00:45			8	43	25	107	33	150	12:45			297	1157	318	1358	615	2515
01:00			4		15		19		13:00			298		318		616	
01:15			2		24		26		13:15			301		336		637	
01:30			6		17		23		13:30			320		343		663	
01:45			18	30	18	74	36	104	13:45			308	1227	282	1279	590	2506
02:00			15		22		37		14:00			367		367		734	
02:15			28		18		46		14:15			361		397		758	
02:30			20		23		43		14:30			416		418		834	
02:45			25	88	20	83	45	171	14:45			405	1549	339	1521	744	3070
03:00			20		14		34		15:00			354		372		726	
03:15			23		28		51		15:15			390		323		713	
03:30			20		25		45		15:30			408		369		777	
03:45			22	85	17	84	39	169	15:45			444	1596	351	1415	795	3011
04:00			15		30		45		16:00			481		324		805	
04:15			38		51		89		16:15			502		324		826	
04:30			44		66		110		16:30			527		337		864	
04:45			62	159	76	223	138	382	16:45			540	2050	346	1331	886	3381
05:00			62		76		138		17:00			488		387		875	
05:15			100		113		213		17:15			536		284		820	
05:30			127		141		268		17:30			490		314		804	
05:45			150	439	186	516	336	955	17:45			519	2033	260	1245	779	3278
06:00			137		270		407		18:00			436		285		721	
06:15			170		409		579		18:15			409		266		675	
06:30			202		528		730		18:30			389		260		649	
06:45			226	735	565	1772	791	2507	18:45			341	1575	276	1087	617	2662
07:00			176		556		732		19:00			247		231		478	
07:15			177		537		714		19:15			255		225		480	
07:30			168		579		747		19:30			249		241		490	
07:45			258	779	535	2207	793	2986	19:45			238	989	208	905	446	1894
08:00			199		584		783		20:00			197		184		381	
08:15			233		585		818		20:15			159		180		339	
08:30			220		560		780		20:30			150		166		316	
08:45			210	862	351	2080	561	2942	20:45			148	654	139	669	287	1323
09:00			236		335		571		21:00			168		137		305	
09:15			234		334		568		21:15			118		143		261	
09:30			214		354		568		21:30			121		106		227	
09:45			231	915	333	1356	564	2271	21:45			114	521	91	477	205	998
10:00			240		361		601		22:00			107		100		207	
10:15			212		270		482		22:15			82		94		176	
10:30			286		333		619		22:30			97		82		179	
10:45			275	1013	273	1237	548	2250	22:45			89	375	68	344	157	719
11:00			267		309		576		23:00			48		55		103	
11:15			283		276		559		23:15			70		78		148	
11:30			273		313		586		23:30			43		99		142	
11:45			328	1151	317	1215	645	2366	23:45			28	189	43	275	71	464
TOTALS				6299		10954		17253	TOTALS				13915		11906		25821
SPLIT %				36.5%		63.5%		40.1%	SPLIT %				53.9%		46.1%		59.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	20,214	22,860	43,074

AM Peak Hour			11:45	07:30	07:45	PM Peak Hour			16:30	14:15	16:15
AM Pk Volume			1188	2283	3174	PM Pk Volume			2091	1526	3451
Pk Hr Factor			0.905	0.976	0.970	Pk Hr Factor			0.968	0.913	0.974
7 - 9 Volume	0	0	1641	4287	5928	4 - 6 Volume	0	0	4083	2576	6659
7 - 9 Peak Hour			07:45	07:30	07:45	4 - 6 Peak Hour			16:30	16:15	16:15
7 - 9 Pk Volume	0	0	910	2283	3174	4 - 6 Pk Volume	0	0	2091	1394	3451
Pk Hr Factor	0.000	0.000	0.882	0.976	0.970	Pk Hr Factor	0.000	0.000	0.968	0.901	0.974

Prepared by National Data & Surveying Services

CLASSIFICATION

Friars Rd Bet. Santo Rd & Riverdale St

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_029

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	1	206	30	2	17	0	0	0	2	0	0	0	0	258
01:00	0	156	16	0	9	0	0	1	2	0	1	0	0	185
02:00	0	158	23	0	11	1	0	2	4	0	0	0	0	199
03:00	0	168	26	0	12	0	0	1	2	0	0	0	0	209
04:00	0	303	52	1	44	0	0	3	2	0	1	0	0	406
05:00	0	750	122	6	100	0	0	6	4	0	0	0	0	988
06:00	2	1944	258	6	186	6	0	11	11	0	0	0	0	2424
07:00	4	2633	354	7	224	7	0	15	17	0	2	0	0	3263
08:00	2	2232	297	8	201	7	0	20	13	0	0	0	0	2780
09:00	4	1774	233	8	167	5	0	13	18	0	3	0	0	2225
10:00	7	1838	242	7	172	6	0	16	13	0	0	0	0	2301
11:00	6	1940	263	3	173	14	1	12	16	0	1	0	0	2429
12:00 PM	3	2084	261	12	172	10	2	17	16	0	0	0	0	2577
13:00	5	2116	279	6	226	9	1	16	13	0	2	0	0	2673
14:00	7	2492	351	11	243	14	0	19	16	1	2	0	0	3156
15:00	7	2464	328	8	199	8	0	15	10	1	1	0	0	3041
16:00	5	2738	311	9	205	5	1	16	16	0	1	0	0	3307
17:00	3	2727	303	8	201	10	0	13	15	0	1	0	0	3281
18:00	3	2191	228	12	143	4	0	13	8	0	0	0	0	2602
19:00	2	1569	168	7	96	9	0	10	9	0	0	0	0	1870
20:00	1	1115	135	5	71	1	1	4	5	0	0	0	0	1338
21:00	3	830	93	1	53	0	0	3	2	0	1	0	0	986
22:00	2	598	61	0	35	0	0	0	2	0	2	0	0	700
23:00	0	422	45	0	26	0	0	1	0	0	0	0	0	494
Totals	67	35448	4479	127	2986	116	6	227	216	2	18			43692
% of Totals	0%	81%	10%	0%	7%	0%	0%	1%	0%	0%	0%			100%

AM Volumes	26	14102	1916	48	1316	46	1	100	104	0	8	0	0	17667
% AM	0%	32%	4%	0%	3%	0%	0%	0%	0%		0%			40%
AM Peak Hour	10:00	07:00	07:00	08:00	07:00	11:00	11:00	08:00	09:00		09:00			07:00
Volume	7	2633	354	8	224	14	1	20	18		3			3263
PM Volumes	41	21346	2563	79	1670	70	5	127	112	2	10	0	0	26025
% PM	0%	49%	6%	0%	4%	0%	0%	0%	0%	0%	0%			60%
PM Peak Hour	14:00	16:00	14:00	12:00	14:00	14:00	12:00	14:00	12:00	14:00	13:00			16:00
Volume	7	2738	351	12	243	14	2	19	16	1	2			3307

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	6043	⟷	14%	5250	⟷	12%	6588	⟷	15%	25811	⟷	59%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

29

Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Santo Rd & Riverdale St

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_029

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	21,067	22,625	43,692

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			43		50		93		12:00			279		357		636	
00:15			22		26		48		12:15			319		346		665	
00:30			38		27		65		12:30			294		313		607	
00:45			28	131	24	127	52	258	12:45			302	1194	367	1383	669	2577
01:00			32		24		56		13:00			319		318		637	
01:15			27		25		52		13:15			348		338		686	
01:30			25		14		39		13:30			329		352		681	
01:45			25	109	13	76	38	185	13:45			359	1355	310	1318	669	2673
02:00			32		18		50		14:00			466		386		852	
02:15			26		21		47		14:15			357		385		742	
02:30			20		26		46		14:30			382		445		827	
02:45			27	105	29	94	56	199	14:45			395	1600	340	1556	735	3156
03:00			17		28		45		15:00			388		384		772	
03:15			33		24		57		15:15			429		337		766	
03:30			15		35		50		15:30			402		360		762	
03:45			30	95	27	114	57	209	15:45			417	1636	324	1405	741	3041
04:00			38		34		72		16:00			495		299		794	
04:15			43		48		91		16:15			513		333		846	
04:30			41		64		105		16:30			506		333		839	
04:45			71	193	67	213	138	406	16:45			511	2025	317	1282	828	3307
05:00			61		77		138		17:00			517		390		907	
05:15			97		131		228		17:15			548		301		849	
05:30			113		163		276		17:30			511		286		797	
05:45			161	432	185	556	346	988	17:45			464	2040	264	1241	728	3281
06:00			135		229		364		18:00			462		261		723	
06:15			178		348		526		18:15			426		222		648	
06:30			191		544		735		18:30			388		251		639	
06:45			218	722	581	1702	799	2424	18:45			362	1638	230	964	592	2602
07:00			176		635		811		19:00			272		239		511	
07:15			171		618		789		19:15			259		238		497	
07:30			183		597		780		19:30			233		229		462	
07:45			247	777	636	2486	883	3263	19:45			195	959	205	911	400	1870
08:00			219		559		778		20:00			194		199		393	
08:15			223		469		692		20:15			157		163		320	
08:30			204		485		689		20:30			173		162		335	
08:45			261	907	360	1873	621	2780	20:45			135	659	155	679	290	1338
09:00			247		317		564		21:00			160		144		304	
09:15			279		313		592		21:15			140		103		243	
09:30			261		302		563		21:30			128		112		240	
09:45			227	1014	279	1211	506	2225	21:45			115	543	84	443	199	986
10:00			289		283		572		22:00			132		84		216	
10:15			259		302		561		22:15			102		78		180	
10:30			272		334		606		22:30			97		73		170	
10:45			273	1093	289	1208	562	2301	22:45			90	421	44	279	134	700
11:00			291		306		597		23:00			69		56		125	
11:15			293		274		567		23:15			70		78		148	
11:30			288		328		616		23:30			46		81		127	
11:45			313	1185	336	1244	649	2429	23:45			49	234	45	260	94	494
TOTALS				6763		10904		**17667**	**TOTALS**				14304		11721		**26025**
SPLIT %				38.3%		61.7%		**40.4%**	**SPLIT %**				55.0%		45.0%		**59.6%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	21,067	22,625	43,692

AM Peak Hour			11:45	07:00	**07:00**	**PM Peak Hour**			16:45	14:00	**16:30**
AM Pk Volume			1205	2486	**3263**	**PM Pk Volume**			2087	1556	**3423**
Pk Hr Factor			0.944	0.977	**0.924**	**Pk Hr Factor**			0.952	0.874	**0.943**
7 - 9 Volume	0	0	1684	4359	**6043**	**4 - 6 Volume**	0	0	4065	2523	**6588**
7 - 9 Peak Hour			08:00	07:00	**07:00**	**4 - 6 Peak Hour**			16:45	16:15	**16:30**
7 - 9 Pk Volume	0	0	907	2486	**3263**	**4 - 6 Pk Volume**	0	0	2087	1373	**3423**
Pk Hr Factor	0.000	0.000	0.869	0.977	**0.924**	**Pk Hr Factor**	0.000	0.000	0.952	0.880	**0.943**

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Riverdale St & Mission Gorge Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_030

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	18,497	13,279	31,776

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			29		26		55		12:00			283		161		444	
00:15			29		19		48		12:15			252		196		448	
00:30			18		19		37		12:30			256		207		463	
00:45			23	99	9	73	32	172	12:45			238	1029	186	750	424	1779
01:00			14		19		33		13:00			263		177		440	
01:15			22		15		37		13:15			254		159		413	
01:30			15		17		32		13:30			259		178		437	
01:45			20	71	11	62	31	133	13:45			265	1041	182	696	447	1737
02:00			19		7		26		14:00			241		181		422	
02:15			11		7		18		14:15			288		179		467	
02:30			22		16		38		14:30			313		268		581	
02:45			16	68	11	41	27	109	14:45			378	1220	273	901	651	2121
03:00			18		15		33		15:00			390		241		631	
03:15			21		8		29		15:15			424		212		636	
03:30			18		25		43		15:30			416		219		635	
03:45			17	74	17	65	34	139	15:45			454	1684	175	847	629	2531
04:00			14		10		24		16:00			447		214		661	
04:15			22		18		40		16:15			462		186		648	
04:30			31		41		72		16:30			556		199		755	
04:45			72	139	47	116	119	255	16:45			512	1977	195	794	707	2771
05:00			56		46		102		17:00			540		197		737	
05:15			61		62		123		17:15			554		194		748	
05:30			89		88		177		17:30			510		187		697	
05:45			114	320	100	296	214	616	17:45			494	2098	161	739	655	2837
06:00			146		123		269		18:00			394		165		559	
06:15			156		179		335		18:15			379		152		531	
06:30			156		290		446		18:30			339		126		465	
06:45			208	666	326	918	534	1584	18:45			330	1442	133	576	463	2018
07:00			128		315		443		19:00			243		152		395	
07:15			153		417		570		19:15			223		106		329	
07:30			161		417		578		19:30			223		162		385	
07:45			169	611	331	1480	500	2091	19:45			226	915	101	521	327	1436
08:00			179		384		563		20:00			168		87		255	
08:15			181		348		529		20:15			185		105		290	
08:30			151		289		440		20:30			170		99		269	
08:45			173	684	241	1262	414	1946	20:45			158	681	83	374	241	1055
09:00			184		215		399		21:00			139		68		207	
09:15			206		186		392		21:15			116		50		166	
09:30			195		179		374		21:30			138		69		207	
09:45			215	800	172	752	387	1552	21:45			94	487	48	235	142	722
10:00			160		156		316		22:00			119		46		165	
10:15			221		157		378		22:15			108		59		167	
10:30			200		155		355		22:30			81		44		125	
10:45			246	827	171	639	417	1466	22:45			84	392	42	191	126	583
11:00			214		189		403		23:00			64		39		103	
11:15			230		191		421		23:15			58		45		103	
11:30			257		169		426		23:30			39		100		139	
11:45			265	966	176	725	441	1691	23:45			45	206	42	226	87	432
TOTALS				5325		6429		11754	TOTALS				13172		6850		20022
SPLIT %				45.3%		54.7%		37.0%	SPLIT %				65.8%		34.2%		63.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	18,497	13,279	31,776

AM Peak Hour			11:30	07:15	07:15	PM Peak Hour			16:30	14:30	16:30
AM Pk Volume			1057	1549	2211	PM Pk Volume			2162	994	2947
Pk Hr Factor			0.934	0.929	0.956	Pk Hr Factor			0.972	0.910	0.976
7 - 9 Volume	0	0	1295	2742	4037	4 - 6 Volume	0	0	4075	1533	5608
7 - 9 Peak Hour			07:30	07:15	07:15	4 - 6 Peak Hour			16:30	16:00	16:30
7 - 9 Pk Volume	0	0	690	1549	2211	4 - 6 Pk Volume	0	0	2162	794	2947
Pk Hr Factor	0.000	0.000	0.953	0.929	0.956	Pk Hr Factor	0.000	0.000	0.972	0.928	0.976

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Prepared by NDS/ATD

VOLUME

Friars Rd Bet. Riverdale St & Mission Gorge Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_030

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	17,862	12,951	30,813

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			35		18		53		12:00			242		183		425	
00:15			24		21		45		12:15			225		177		402	
00:30			30		16		46		12:30			270		189		459	
00:45			25	114	10	65	35	179	12:45			243	980	194	743	437	1723
01:00			23		10		33		13:00			251		198		449	
01:15			15		13		28		13:15			275		169		444	
01:30			18		19		37		13:30			287		184		471	
01:45			25	81	13	55	38	136	13:45			326	1139	161	712	487	1851
02:00			19		12		31		14:00			277		176		453	
02:15			22		12		34		14:15			308		183		491	
02:30			19		20		39		14:30			297		219		516	
02:45			20	80	10	54	30	134	14:45			345	1227	207	785	552	2012
03:00			25		20		45		15:00			316		220		536	
03:15			12		18		30		15:15			376		197		573	
03:30			33		20		53		15:30			373		221		594	
03:45			29	99	16	74	45	173	15:45			408	1473	159	797	567	2270
04:00			21		28		49		16:00			463		142		605	
04:15			20		26		46		16:15			478		178		656	
04:30			44		41		85		16:30			514		182		696	
04:45			62	147	53	148	115	295	16:45			509	1964	195	697	704	2661
05:00			47		49		96		17:00			467		182		649	
05:15			78		58		136		17:15			524		185		709	
05:30			83		86		169		17:30			470		193		663	
05:45			106	314	107	300	213	614	17:45			503	1964	138	698	641	2662
06:00			119		136		255		18:00			407		151		558	
06:15			137		152		289		18:15			359		149		508	
06:30			177		256		433		18:30			295		141		436	
06:45			176	609	316	860	492	1469	18:45			286	1347	140	581	426	1928
07:00			129		332		461		19:00			228		135		363	
07:15			176		409		585		19:15			225		143		368	
07:30			136		339		475		19:30			180		126		306	
07:45			159	600	324	1404	483	2004	19:45			189	822	115	519	304	1341
08:00			172		364		536		20:00			168		110		278	
08:15			176		349		525		20:15			160		88		248	
08:30			148		335		483		20:30			171		68		239	
08:45			172	668	282	1330	454	1998	20:45			152	651	92	358	244	1009
09:00			189		255		444		21:00			147		76		223	
09:15			181		191		372		21:15			135		72		207	
09:30			212		180		392		21:30			102		66		168	
09:45			208	790	166	792	374	1582	21:45			107	491	66	280	173	771
10:00			185		159		344		22:00			91		48		139	
10:15			204		173		377		22:15			74		49		123	
10:30			203		146		349		22:30			90		50		140	
10:45			244	836	160	638	404	1474	22:45			108	363	44	191	152	554
11:00			216		161		377		23:00			61		39		100	
11:15			237		151		388		23:15			50		28		78	
11:30			224		190		414		23:30			42		107		149	
11:45			237	914	156	658	393	1572	23:45			36	189	38	212	74	401
TOTALS				5252		6378		11630	TOTALS				12610		6573		19183
SPLIT %				45.2%		54.8%		37.7%	SPLIT %				65.7%		34.3%		62.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	17,862	12,951	30,813

AM Peak Hour			11:45	07:15	07:15	PM Peak Hour			16:30	14:45	16:30
AM Pk Volume			974	1436	2079	PM Pk Volume			2014	845	2758
Pk Hr Factor			0.902	0.878	0.888	Pk Hr Factor			0.961	0.956	0.972
7 - 9 Volume	0	0	1268	2734	4002	4 - 6 Volume	0	0	3928	1395	5323
7 - 9 Peak Hour			08:00	07:15	07:15	4 - 6 Peak Hour			16:30	16:45	16:30
7 - 9 Pk Volume	0	0	668	1436	2079	4 - 6 Pk Volume	0	0	2014	755	2758
Pk Hr Factor	0.000	0.000	0.949	0.878	0.888	Pk Hr Factor	0.000	0.000	0.961	0.968	0.972

Prepared by NDS/ATD

VOLUME

Mission Gorge Rd Bet. Zion Rd & Friars Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_031

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	20,068	20,930	40,998

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			29		40		69		12:00			306		274		580	
00:15			32		21		53		12:15			317		293		610	
00:30			23		20		43		12:30			273		284		557	
00:45			22	106	26	107	48	213	12:45			294	1190	264	1115	558	2305
01:00			17		18		35		13:00			285		310		595	
01:15			17		28		45		13:15			294		288		582	
01:30			14		17		31		13:30			293		299		592	
01:45			20	68	18	81	38	149	13:45			288	1160	269	1166	557	2326
02:00			26		22		48		14:00			287		309		596	
02:15			16		16		32		14:15			324		324		648	
02:30			15		26		41		14:30			366		317		683	
02:45			16	73	23	87	39	160	14:45			376	1353	287	1237	663	2590
03:00			19		17		36		15:00			438		293		731	
03:15			21		26		47		15:15			457		292		749	
03:30			19		25		44		15:30			437		294		731	
03:45			18	77	16	84	34	161	15:45			479	1811	286	1165	765	2976
04:00			16		34		50		16:00			505		253		758	
04:15			28		60		88		16:15			498		273		771	
04:30			28		66		94		16:30			602		283		885	
04:45			62	134	81	241	143	375	16:45			503	2108	274	1083	777	3191
05:00			59		86		145		17:00			587		307		894	
05:15			51		117		168		17:15			594		251		845	
05:30			78		163		241		17:30			523		243		766	
05:45			110	298	182	548	292	846	17:45			488	2192	219	1020	707	3212
06:00			142		263		405		18:00			388		234		622	
06:15			158		375		533		18:15			402		233		635	
06:30			170		553		723		18:30			376		229		605	
06:45			211	681	610	1801	821	2482	18:45			347	1513	207	903	554	2416
07:00			168		691		859		19:00			277		236		513	
07:15			165		608		773		19:15			236		181		417	
07:30			184		628		812		19:30			253		181		434	
07:45			187	704	611	2538	798	3242	19:45			227	993	149	747	376	1740
08:00			200		634		834		20:00			190		142		332	
08:15			213		636		849		20:15			189		154		343	
08:30			199		464		663		20:30			179		132		311	
08:45			203	815	374	2108	577	2923	20:45			155	713	122	550	277	1263
09:00			237		329		566		21:00			165		115		280	
09:15			206		299		505		21:15			131		121		252	
09:30			229		309		538		21:30			133		101		234	
09:45			228	900	322	1259	550	2159	21:45			107	536	74	411	181	947
10:00			194		320		514		22:00			122		93		215	
10:15			231		285		516		22:15			105		75		180	
10:30			218		269		487		22:30			87		76		163	
10:45			262	905	247	1121	509	2026	22:45			78	392	53	297	131	689
11:00			250		247		497		23:00			56		49		105	
11:15			282		256		538		23:15			58		63		121	
11:30			287		257		544		23:30			42		50		92	
11:45			319	1138	305	1065	624	2203	23:45			52	208	34	196	86	404
TOTALS				5899		11040		**16939**	**TOTALS**				14169		9890		**24059**
SPLIT %				34.8%		65.2%		**41.3%**	**SPLIT %**				58.9%		41.1%		**58.7%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	20,068	20,930	40,998

AM Peak Hour			11:30	07:00	**07:30**	**PM Peak Hour**			16:30	14:00	**16:30**
AM Pk Volume			1229	2538	**3293**	**PM Pk Volume**			2286	1237	**3401**
Pk Hr Factor			0.963	0.918	**0.970**	**Pk Hr Factor**			0.949	0.954	**0.951**
7 - 9 Volume	0	0	1519	4646	**6165**	**4 - 6 Volume**	0	0	4300	2103	**6403**
7 - 9 Peak Hour			08:00	07:00	**07:30**	**4 - 6 Peak Hour**			16:30	16:15	**16:30**
7 - 9 Pk Volume	0	0	815	2538	**3293**	**4 - 6 Pk Volume**	0	0	2286	1137	**3401**
Pk Hr Factor	0.000	0.000	0.957	0.918	**0.970**	**Pk Hr Factor**	0.000	0.000	0.949	0.926	**0.951**

Prepared by NDS/ATD

VOLUME

Mission Gorge Rd Bet. Zion Rd & Friars Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_031

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,560	20,822	40,382

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			42		46		88		12:00			290		308		598	
00:15			31		25		56		12:15			249		281		530	
00:30			38		26		64		12:30			299		283		582	
00:45			25	136	21	118	46	254	12:45			300	1138	282	1154	582	2292
01:00			25		22		47		13:00			305		312		617	
01:15			14		23		37		13:15			308		277		585	
01:30			20		13		33		13:30			312		281		593	
01:45			24	83	13	71	37	154	13:45			380	1305	292	1162	672	2467
02:00			22		17		39		14:00			315		326		641	
02:15			20		17		37		14:15			326		305		631	
02:30			21		21		42		14:30			313		324		637	
02:45			26	89	30	85	56	174	14:45			366	1320	283	1238	649	2558
03:00			24		28		52		15:00			374		313		687	
03:15			12		13		25		15:15			392		316		708	
03:30			31		36		67		15:30			392		255		647	
03:45			32	99	31	108	63	207	15:45			429	1587	271	1155	700	2742
04:00			25		38		63		16:00			519		229		748	
04:15			24		60		84		16:15			514		243		757	
04:30			41		64		105		16:30			562		302		864	
04:45			52	142	76	238	128	380	16:45			563	2158	224	998	787	3156
05:00			42		95		137		17:00			565		294		859	
05:15			70		130		200		17:15			571		243		814	
05:30			82		163		245		17:30			498		221		719	
05:45			99	293	196	584	295	877	17:45			529	2163	241	999	770	3162
06:00			122		226		348		18:00			432		238		670	
06:15			157		338		495		18:15			403		246		649	
06:30			178		572		750		18:30			301		227		528	
06:45			173	630	584	1720	757	2350	18:45			323	1459	228	939	551	2398
07:00			155		707		862		19:00			227		207		434	
07:15			190		701		891		19:15			249		210		459	
07:30			153		658		811		19:30			193		180		373	
07:45			166	664	664	2730	830	3394	19:45			194	863	151	748	345	1611
08:00			196		591		787		20:00			170		157		327	
08:15			226		504		730		20:15			182		144		326	
08:30			181		461		642		20:30			171		148		319	
08:45			218	821	376	1932	594	2753	20:45			172	695	135	584	307	1279
09:00			207		320		527		21:00			150		116		266	
09:15			212		304		516		21:15			143		110		253	
09:30			243		283		526		21:30			120		104		224	
09:45			249	911	270	1177	519	2088	21:45			108	521	95	425	203	946
10:00			199		258		457		22:00			97		62		159	
10:15			233		257		490		22:15			81		68		149	
10:30			211		268		479		22:30			89		68		157	
10:45			262	905	264	1047	526	1952	22:45			81	348	53	251	134	599
11:00			243		261		504		23:00			60		58		118	
11:15			239		285		524		23:15			47		51		98	
11:30			262		320		582		23:30			55		45		100	
11:45			283	1027	295	1161	578	2188	23:45			41	203	44	198	85	401
TOTALS				5800		10971		16771	TOTALS				13760		9851		23611
SPLIT %				34.6%		65.4%		41.5%	SPLIT %				58.3%		41.7%		58.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	19,560	20,822	40,382

AM Peak Hour			11:45	07:00	07:00	PM Peak Hour			16:30	13:45	16:30
AM Pk Volume			1121	2730	3394	PM Pk Volume			2261	1247	3324
Pk Hr Factor			0.937	0.965	0.952	Pk Hr Factor			0.990	0.956	0.962
7 - 9 Volume	0	0	1485	4662	6147	4 - 6 Volume	0	0	4321	1997	6318
7 - 9 Peak Hour			08:00	07:00	07:00	4 - 6 Peak Hour			16:30	16:15	16:30
7 - 9 Pk Volume	0	0	821	2730	3394	4 - 6 Pk Volume	0	0	2261	1063	3324
Pk Hr Factor	0.000	0.000	0.908	0.965	0.952	Pk Hr Factor	0.000	0.000	0.990	0.880	0.962

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hazard Center Drive, From Western Terminus to Mission Center Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			5		4			12:00			98		68		
00:15			14		1			12:15			91		70		
00:30			10		0			12:30			77		84		
00:45			5	34	4	9	43	12:45			105	371	98	320	691
01:00			7		0			13:00			88		88		
01:15			2		0			13:15			94		70		
01:30			1		1			13:30			70		65		
01:45			1	11	1	2	13	13:45			65	317	70	293	610
02:00			2		1			14:00			77		55		
02:15			3		1			14:15			54		70		
02:30			1		0			14:30			51		74		
02:45			1	7	2	4	11	14:45			40	222	84	283	505
03:00			2		0			15:00			65		88		
03:15			1		3			15:15			77		81		
03:30			3		4			15:30			57		70		
03:45			2	8	4	11	19	15:45			91	290	65	304	594
04:00			2		5			16:00			105		71		
04:15			2		0			16:15			121		69		
04:30			4		4			16:30			165		84		
04:45			5	13	11	20	33	16:45			158	549	88	312	861
05:00			6		7			17:00			165		95		
05:15			6		6			17:15			128		70		
05:30			6		7			17:30			144		91		
05:45			7	25	17	37	62	17:45			151	588	98	354	942
06:00			6		12			18:00			121		84		
06:15			15		21			18:15			103		70		
06:30			13		25			18:30			111		65		
06:45			14	48	27	85	133	18:45			106	441	77	296	737
07:00			26		39			19:00			84		84		
07:15			44		47			19:15			70		51		
07:30			51		50			19:30			65		65		
07:45			40	161	81	217	378	19:45			55	274	77	277	551
08:00			51		97			20:00			40		54		
08:15			42		79			20:15			35		51		
08:30			70		67			20:30			28		40		
08:45			68	231	74	317	548	20:45			23	126	35	180	306
09:00			23		68			21:00			31		41		
09:15			36		39			21:15			25		28		
09:30			25		38			21:30			36		17		
09:45			23	107	26	171	278	21:45			21	113	12	98	211
10:00			34		31			22:00			29		15		
10:15			33		46			22:15			21		14		
10:30			22		22			22:30			16		16		
10:45			29	118	50	149	267	22:45			11	77	18	63	140
11:00			68		77			23:00			16		7		
11:15			70		51			23:15			8		15		
11:30			84		68			23:30			9		9		
11:45			88	310	89	285	595	23:45			7	40	5	36	76
Total Vol.				1073		1307	**2380**					3408		2816	**6224**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			4481	4123	**8604**

	AM			**PM**		
Split %	45.1%	54.9%	**27.7%**	54.8%	45.2%	**72.3%**
Peak Hour	11:30	07:45	**11:45**	16:30	17:00	**16:30**
Volume	361	324	**665**	616	354	**953**
P.H.F.	0.92	0.84	**0.94**	0.93	0.90	**0.92**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hazard Center Drive, From Western Terminus to Mission Center Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			7		4			12:00			98		90		
00:15			6		3			12:15			105		84		
00:30			11		5			12:30			111		81		
00:45			14	38	4	16	54	12:45			91	405	95	350	755
01:00			2		4			13:00			84		77		
01:15			9		5			13:15			90		68		
01:30			3		3			13:30			77		70		
01:45			7	21	2	14	35	13:45			68	319	68	283	602
02:00			1		1			14:00			70		66		
02:15			6		2			14:15			54		70		
02:30			2		0			14:30			66		54		
02:45			0	9	2	5	14	14:45			70	260	84	274	534
03:00			0		1			15:00			88		55		
03:15			0		4			15:15			70		65		
03:30			2		2			15:30			65		35		
03:45			0	2	5	12	14	15:45			94	317	44	199	516
04:00			5		6			16:00			141		77		
04:15			3		2			16:15			128		51		
04:30			4		2			16:30			168		77		
04:45			1	13	5	15	28	16:45			151	588	84	289	877
05:00			4		3			17:00			188		99		
05:15			3		10			17:15			131		80		
05:30			3		12			17:30			141		88		
05:45			5	15	15	40	55	17:45			128	588	91	358	946
06:00			6		9			18:00			105		77		
06:15			8		20			18:15			111		68		
06:30			14		20			18:30			98		70		
06:45			16	44	36	85	129	18:45			70	384	54	269	653
07:00			33		48			19:00			65		88		
07:15			44		44			19:15			88		68		
07:30			41		50			19:30			70		70		
07:45			48	166	51	193	359	19:45			54	277	54	280	557
08:00			51		68			20:00			66		55		
08:15			33		77			20:15			40		40		
08:30			61		81			20:30			35		35		
08:45			60	205	69	295	500	20:45			44	185	22	152	337
09:00			42		53			21:00			32		32		
09:15			33		77			21:15			33		27		
09:30			36		84			21:30			33		21		
09:45			27	138	98	312	450	21:45			38	136	30	110	246
10:00			29		70			22:00			24		13		
10:15			25		54			22:15			10		13		
10:30			22		66			22:30			14		15		
10:45			35	111	54	244	355	22:45			16	64	15	56	120
11:00			66		70			23:00			11		7		
11:15			81		51			23:15			34		10		
11:30			80		66			23:30			15		8		
11:45			77	304	94	281	585	23:45			7	67	4	29	96
Total Vol.				1066		1512	**2578**					3590		2649	**6239**

Daily Totals

NB	SB	EB	WB	Combined
		4656	4161	**8817**

	AM			PM		
Split %	41.3%	58.7%	**29.2%**	57.5%	42.5%	**70.8%**
Peak Hour	11:45	11:45	**11:45**	16:30	17:00	**16:30**
Volume	391	349	**740**	638	358	**978**
P.H.F.	0.88	0.93	**0.96**	0.85	0.90	**0.85**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rio San Diego Drive, From Gill Village Way to Qualcomm Way

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			12		12			12:00			131		108		
00:15			8		8			12:15			122		115		
00:30			9		9			12:30			106		121		
00:45			5	34	5	34	68	12:45			88	447	106	450	897
01:00			4		4			13:00			95		88		
01:15			4		6			13:15			70		95		
01:30			4		5			13:30			65		105		
01:45			4	16	2	17	33	13:45			88	318	106	394	712
02:00			3		1			14:00			95		98		
02:15			2		0			14:15			77		90		
02:30			1		2			14:30			65		70		
02:45			1	7	1	4	11	14:45			70	307	65	323	630
03:00			0		2			15:00			84		88		
03:15			1		3			15:15			90		70		
03:30			2		0			15:30			89		95		
03:45			1	4	1	6	10	15:45			115	378	101	354	732
04:00			2		2			16:00			121		108		
04:15			0		4			16:15			116		99		
04:30			1		6			16:30			105		126		
04:45			3	6	5	17	23	16:45			141	483	135	468	951
05:00			8		8			17:00			135		141		
05:15			15		5			17:15			128		144		
05:30			11		5			17:30			121		105		
05:45			16	50	9	27	77	17:45			131	515	106	496	1011
06:00			20		8			18:00			128		111		
06:15			19		11			18:15			116		121		
06:30			28		20			18:30			128		106		
06:45			40	107	18	57	164	18:45			105	477	88	426	903
07:00			50		22			19:00			88		95		
07:15			66		18			19:15			95		70		
07:30			61		29			19:30			70		65		
07:45			62	239	35	104	343	19:45			91	344	88	318	662
08:00			48		31			20:00			65		80		
08:15			51		44			20:15			54		70		
08:30			66		51			20:30			40		65		
08:45			68	233	50	176	409	20:45			36	195	55	270	465
09:00			51		60			21:00			54		40		
09:15			66		55			21:15			41		35		
09:30			70		65			21:30			32		28		
09:45			84	271	55	235	506	21:45			22	149	21	124	273
10:00			95		45			22:00			28		18		
10:15			105		65			22:15			21		10		
10:30			111		68			22:30			19		11		
10:45			105	416	77	255	671	22:45			20	88	14	53	141
11:00			126		84			23:00			18		11		
11:15			116		95			23:15			20		12		
11:30			105		70			23:30			16		8		
11:45			119	466	105	354	820	23:45			11	65	9	40	105
Total Vol.				1849		1286	**3135**					3766		3716	**7482**

Daily Totals

NB	SB	EB	WB	Combined
		5615	5002	**10617**

	AM			PM		
Split %	59.0%	41.0%	**29.5%**	50.3%	49.7%	**70.5%**
Peak Hour	11:45	11:45	**11:45**	16:45	16:30	**16:30**
Volume	478	449	**927**	525	546	**1055**
P.H.F.	0.91	0.93	**0.97**	0.93	0.95	**0.96**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rio San Diego Drive, From Gill Village Way to Qualcomm Way

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			11		8			12:00			118		114		
00:15			8		9			12:15			126		126		
00:30			9		10			12:30			116		113		
00:45			10	38	5	32	70	12:45			105	465	104	457	922
01:00			5		4			13:00			88		111		
01:15			4		9			13:15			95		98		
01:30			6		11			13:30			96		91		
01:45			5	20	5	29	49	13:45			80	359	70	370	729
02:00			3		4			14:00			70		65		
02:15			5		6			14:15			65		77		
02:30			4		3			14:30			77		84		
02:45			2	14	2	15	29	14:45			54	266	55	281	547
03:00			1		1			15:00			88		68		
03:15			0		5			15:15			95		77		
03:30			2		4			15:30			105		84		
03:45			3	6	4	14	20	15:45			111	399	105	334	733
04:00			2		6			16:00			106		111		
04:15			4		1			16:15			121		106		
04:30			6		2			16:30			135		103		
04:45			0	12	0	9	21	16:45			141	503	114	434	937
05:00			4		1			17:00			116		121		
05:15			9		2			17:15			103		125		
05:30			12		6			17:30			88		103		
05:45			11	36	5	14	50	17:45			91	398	128	477	875
06:00			19		10			18:00			106		98		
06:15			26		9			18:15			115		105		
06:30			33		15			18:30			103		111		
06:45			35	113	22	56	169	18:45			84	408	91	405	813
07:00			51		28			19:00			95		80		
07:15			68		35			19:15			70		70		
07:30			88		28			19:30			65		77		
07:45			70	277	22	113	390	19:45			55	285	65	292	577
08:00			65		35			20:00			98		74		
08:15			55		28			20:15			70		84		
08:30			54		41			20:30			65		65		
08:45			42	216	35	139	355	20:45			40	273	55	278	551
09:00			35		44			21:00			35		68		
09:15			65		51			21:15			44		70		
09:30			65		68			21:30			41		40		
09:45			70	235	70	233	468	21:45			28	148	35	213	361
10:00			84		66			22:00			21		44		
10:15			94		54			22:15			19		25		
10:30			99		68			22:30			29		21		
10:45			111	388	70	258	646	22:45			16	85	19	109	194
11:00			106		65			23:00			18		20		
11:15			121		66			23:15			20		16		
11:30			103		84			23:30			15		18		
11:45			105	435	95	310	745	23:45			11	64	12	66	130
Total Vol.				1790		1222	**3012**					3653		3716	**7369**

Daily Totals

NB	SB	EB	WB	Combined
		5443	4938	**10381**

	AM			PM		
Split %	59.4%	40.6%	**29.0%**	49.6%	50.4%	**71.0%**
Peak Hour	11:45	11:45	**11:45**	16:15	17:00	**16:30**
Volume	465	448	**913**	513	477	**958**
P.H.F.	0.92	0.89	**0.91**	0.91	0.93	**0.94**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rio San Diego Drive, From Qualcomm Way to River Run Drive

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			9		4			12:00			124		94		
00:15			8		5			12:15			82		101		
00:30			6		6			12:30			70		108		
00:45			5	28	6	21	49	12:45			99	375	146	449	824
01:00			6		2			13:00			105		140		
01:15			5		2			13:15			115		111		
01:30			4		1			13:30			121		139		
01:45			3	18	4	9	27	13:45			118	459	115	505	964
02:00			2		2			14:00			103		109		
02:15			1		5			14:15			111		97		
02:30			0		4			14:30			89		126		
02:45			2	5	1	12	17	14:45			91	394	95	427	821
03:00			2		2			15:00			99		120		
03:15			1		1			15:15			105		97		
03:30			1		3			15:30			89		94		
03:45			2	6	0	6	12	15:45			95	388	97	408	796
04:00			3		1			16:00			88		106		
04:15			5		4			16:15			70		91		
04:30			6		6			16:30			95		106		
04:45			7	21	13	24	45	16:45			105	358	110	413	771
05:00			18		7			17:00			111		107		
05:15			19		15			17:15			98		112		
05:30			19		31			17:30			106		106		
05:45			21	77	46	99	176	17:45			111	426	79	404	830
06:00			35		54			18:00			98		68		
06:15			41		51			18:15			87		83		
06:30			50		61			18:30			77		92		
06:45			65	191	105	271	462	18:45			89	351	93	336	687
07:00			80		56			19:00			84		78		
07:15			91		94			19:15			60		84		
07:30			105		93			19:30			55		92		
07:45			118	394	121	364	758	19:45			68	267	95	349	616
08:00			109		105			20:00			70		54		
08:15			115		93			20:15			45		51		
08:30			105		93			20:30			35		47		
08:45			94	423	77	368	791	20:45			33	183	45	197	380
09:00			77		75			21:00			28		47		
09:15			98		75			21:15			28		20		
09:30			94		78			21:30			20		27		
09:45			69	338	61	289	627	21:45			19	95	14	108	203
10:00			70		74			22:00			11		26		
10:15			88		74			22:15			10		16		
10:30			76		95			22:30			9		7		
10:45			85	319	95	338	657	22:45			8	38	8	57	95
11:00			71		90			23:00			9		11		
11:15			78		77			23:15			9		5		
11:30			101		95			23:30			5		8		
11:45			114	364	87	349	713	23:45			9	32	9	33	65
Total Vol.				2184		2150	**4334**					3366		3686	**7052**

Daily Totals

NB	SB	EB	WB	Combined
		5550	5836	**11386**

	AM			PM		
Split %	50.4%	49.6%	**38.1%**	47.7%	52.3%	**61.9%**
Peak Hour	07:30	07:15	**07:30**	13:00	12:45	**12:45**
Volume	447	413	**859**	459	536	**976**
P.H.F.	0.95	0.85	**0.90**	0.95	0.92	**0.94**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rio San Diego Drive, From Qualcomm Way to River Run Drive

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			7		7			12:00			98		103		
00:15			8		6			12:15			103		122		
00:30			8		9			12:30			111		126		
00:45			9	32	3	25	57	12:45			100	412	160	511	923
01:00			5		2			13:00			95		125		
01:15			6		2			13:15			106		104		
01:30			8		3			13:30			114		103		
01:45			4	23	0	7	30	13:45			121	436	119	451	887
02:00			5		1			14:00			103		92		
02:15			3		2			14:15			118		92		
02:30			2		1			14:30			88		118		
02:45			2	12	2	6	18	14:45			99	408	99	401	809
03:00			1		2			15:00			105		96		
03:15			0		0			15:15			84		102		
03:30			0		0			15:30			95		94		
03:45			1	2	2	4	6	15:45			70	354	96	388	742
04:00			2		3			16:00			77		85		
04:15			6		2			16:15			95		86		
04:30			8		3			16:30			88		111		
04:45			7	23	9	17	40	16:45			97	357	87	369	726
05:00			9		9			17:00			94		100		
05:15			12		7			17:15			105		102		
05:30			18		33			17:30			121		98		
05:45			22	61	46	95	156	17:45			103	423	109	409	832
06:00			16		54			18:00			92		76		
06:15			35		64			18:15			98		85		
06:30			44		63			18:30			95		75		
06:45			68	163	87	268	431	18:45			70	355	74	310	665
07:00			70		67			19:00			84		88		
07:15			84		85			19:15			81		66		
07:30			94		102			19:30			66		73		
07:45			121	369	125	379	748	19:45			70	301	66	293	594
08:00			106		104			20:00			66		60		
08:15			135		110			20:15			31		53		
08:30			111		83			20:30			40		63		
08:45			105	457	93	390	847	20:45			42	179	40	216	395
09:00			94		83			21:00			21		34		
09:15			90		67			21:15			20		30		
09:30			89		68			21:30			18		28		
09:45			99	372	66	284	656	21:45			17	76	16	108	184
10:00			84		56			22:00			16		27		
10:15			70		79			22:15			11		17		
10:30			65		102			22:30			8		14		
10:45			55	274	87	324	598	22:45			8	43	7	65	108
11:00			88		91			23:00			9		13		
11:15			70		87			23:15			5		10		
11:30			68		98			23:30			6		4		
11:45			77	303	90	366	669	23:45			4	24	5	32	56
Total Vol.			2091		2165		**4256**				3368		3553		**6921**

Daily Totals

NB	SB	EB	WB	Combined
		5459	5718	**11177**

	AM			PM		
Split %	49.1%	50.9%	**38.1%**	48.7%	51.3%	**61.9%**
Peak Hour	07:45	07:30	**07:30**	13:30	12:15	**12:15**
Volume	473	441	**897**	456	533	**942**
P.H.F.	0.88	0.88	**0.91**	0.94	0.83	**0.91**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rio San Diego Drive, From River Run Drive to Fenton Parkway

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			18		9			12:00			88		91		
00:15			10		12			12:15			95		77		
00:30			5		5			12:30			70		84		
00:45			4	37	8	34	71	12:45			65	318	95	347	665
01:00			6		9			13:00			84		84		
01:15			9		9			13:15			65		70		
01:30			5		4			13:30			88		65		
01:45			4	24	3	25	49	13:45			54	291	88	307	598
02:00			3		2			14:00			65		65		
02:15			2		0			14:15			40		75		
02:30			0		1			14:30			65		98		
02:45			4	9	2	5	14	14:45			65	235	65	303	538
03:00			5		0			15:00			66		70		
03:15			1		1			15:15			70		88		
03:30			2		0			15:30			80		84		
03:45			0	8	0	1	9	15:45			94	310	90	332	642
04:00			3		2			16:00			105		108		
04:15			2		1			16:15			106		88		
04:30			0		1			16:30			121		91		
04:45			1	6	1	5	11	16:45			103	435	105	392	827
05:00			4		2			17:00			114		121		
05:15			5		3			17:15			116		116		
05:30			6		5			17:30			106		91		
05:45			5	20	8	18	38	17:45			91	427	88	416	843
06:00			11		20			18:00			81		77		
06:15			16		28			18:15			91		95		
06:30			18		35			18:30			75		80		
06:45			12	57	44	127	184	18:45			84	331	70	322	653
07:00			22		51			19:00			65		65		
07:15			19		94			19:15			77		55		
07:30			31		88			19:30			65		54		
07:45			33	105	92	325	430	19:45			66	273	40	214	487
08:00			35		77			20:00			40		68		
08:15			31		84			20:15			66		51		
08:30			38		70			20:30			40		44		
08:45			44	148	61	292	440	20:45			35	181	35	198	379
09:00			45		66			21:00			33		28		
09:15			55		54			21:15			28		20		
09:30			65		68			21:30			26		19		
09:45			70	235	70	258	493	21:45			25	112	20	87	199
10:00			65		84			22:00			15		16		
10:15			45		88			22:15			18		11		
10:30			66		81			22:30			12		18		
10:45			84	260	78	331	591	22:45			16	61	19	64	125
11:00			91		85			23:00			11		11		
11:15			88		95			23:15			19		8		
11:30			95		88			23:30			11		9		
11:45			77	351	70	338	689	23:45			18	59	12	40	99
Total Vol.				1260		1759	**3019**					3033		3022	**6055**

Daily Totals

NB	SB	EB	WB	Combined
		4293	4781	**9074**

	AM			PM		
Split %	41.7%	58.3%	**33.3%**	50.1%	49.9%	**66.7%**
Peak Hour	10:45	07:15	**10:45**	16:30	16:30	**16:30**
Volume	358	351	**704**	454	433	**887**
P.H.F.	0.94	0.93	**0.96**	0.94	0.89	**0.94**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rio San Diego Drive, From River Run Drive to Fenton Parkway

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			18		8			12:00			70		88		
00:15			8		7			12:15			84		95		
00:30			9		9			12:30			81		70		
00:45			5	40	6	30	70	12:45			77	312	84	337	649
01:00			4		5			13:00			84		65		
01:15			6		4			13:15			68		88		
01:30			5		3			13:30			70		78		
01:45			3	18	1	13	31	13:45			84	306	84	315	621
02:00			5		2			14:00			65		88		
02:15			4		0			14:15			77		95		
02:30			1		1			14:30			84		70		
02:45			2	12	2	5	17	14:45			96	322	65	318	640
03:00			1		1			15:00			88		77		
03:15			3		0			15:15			75		84		
03:30			2		1			15:30			81		95		
03:45			0	6	2	4	10	15:45			78	322	90	346	668
04:00			1		1			16:00			95		118		
04:15			5		1			16:15			121		126		
04:30			4		1			16:30			106		103		
04:45			1	11	6	9	20	16:45			113	435	84	431	866
05:00			0		5			17:00			141		116		
05:15			6		9			17:15			101		105		
05:30			4		8			17:30			89		99		
05:45			9	19	9	31	50	17:45			95	426	103	423	849
06:00			12		11			18:00			96		84		
06:15			18		18			18:15			88		80		
06:30			11		21			18:30			70		70		
06:45			19	60	33	83	143	18:45			54	308	95	329	637
07:00			26		45			19:00			66		88		
07:15			22		84			19:15			84		75		
07:30			35		95			19:30			70		65		
07:45			40	123	77	301	424	19:45			54	274	35	263	537
08:00			26		95			20:00			65		44		
08:15			28		84			20:15			40		51		
08:30			21		88			20:30			33		44		
08:45			45	120	84	351	471	20:45			38	176	31	170	346
09:00			51		65			21:00			31		21		
09:15			40		60			21:15			28		22		
09:30			66		77			21:30			20		26		
09:45			42	199	54	256	455	21:45			19	98	29	98	196
10:00			68		60			22:00			20		18		
10:15			70		77			22:15			16		20		
10:30			54		84			22:30			18		15		
10:45			68	260	68	289	549	22:45			11	65	11	64	129
11:00			95		77			23:00			15		8		
11:15			99		84			23:15			9		9		
11:30			84		70			23:30			12		5		
11:45			70	348	65	296	644	23:45			5	41	10	32	73
Total Vol.				1216		1668	**2884**					3085		3126	**6211**

Daily Totals

NB	SB	EB	WB	Combined
		4301	4794	**9095**

	AM			PM		
Split %	42.2%	57.8%	**31.7%**	49.7%	50.3%	**68.3%**
Peak Hour	11:00	07:15	**10:45**	16:15	15:45	**16:15**
Volume	348	351	**645**	481	437	**910**
P.H.F.	0.88	0.92	**0.88**	0.85	0.87	**0.89**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

San Diego Mission Road, From Friars Road EB Ramps to Rancho Mission Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			1		7			12:00			41		55		
00:15			8		7			12:15			53		58		
00:30			2		11			12:30			44		40		
00:45			1	12	1	26	38	12:45			42	180	45	198	378
01:00			6		12			13:00			40		44		
01:15			5		2			13:15			50		52		
01:30			4		2			13:30			45		67		
01:45			1	16	4	20	36	13:45			56	191	56	219	410
02:00			3		5			14:00			38		49		
02:15			2		4			14:15			39		51		
02:30			1		1			14:30			65		61		
02:45			3	9	8	18	27	14:45			42	184	56	217	401
03:00			0		3			15:00			56		56		
03:15			5		4			15:15			70		52		
03:30			3		10			15:30			64		71		
03:45			0	8	11	28	36	15:45			90	280	55	234	514
04:00			3		3			16:00			118		50		
04:15			6		5			16:15			168		41		
04:30			6		7			16:30			151		49		
04:45			6	21	8	23	44	16:45			216	653	51	191	844
05:00			0		10			17:00			183		65		
05:15			4		10			17:15			206		62		
05:30			7		25			17:30			158		57		
05:45			9	20	20	65	85	17:45			123	670	55	239	909
06:00			6		21			18:00			121		37		
06:15			15		32			18:15			87		29		
06:30			11		53			18:30			56		48		
06:45			18	50	72	178	228	18:45			56	320	22	136	456
07:00			35		73			19:00			32		36		
07:15			44		155			19:15			38		41		
07:30			51		187			19:30			39		44		
07:45			68	198	209	624	822	19:45			45	154	30	151	305
08:00			40		168			20:00			37		18		
08:15			41		133			20:15			28		21		
08:30			44		90			20:30			31		20		
08:45			58	183	84	475	658	20:45			33	129	16	75	204
09:00			33		45			21:00			36		18		
09:15			40		40			21:15			28		25		
09:30			28		53			21:30			37		15		
09:45			34	135	43	181	316	21:45			22	123	6	64	187
10:00			24		31			22:00			14		13		
10:15			40		37			22:15			20		16		
10:30			43		39			22:30			10		13		
10:45			26	133	46	153	286	22:45			17	61	8	50	111
11:00			38		44			23:00			7		8		
11:15			49		47			23:15			8		8		
11:30			38		59			23:30			8		5		
11:45			36	161	44	194	355	23:45			4	27	9	30	57
Total Vol.				946		1985	**2931**					2972		1804	**4776**

Daily Totals

NB	SB	EB	WB	Combined
		3918	3789	**7707**

	AM			PM		
Split %	32.3%	67.7%	**38.0%**	62.2%	37.8%	**62.0%**
Peak Hour	07:15	07:15	**07:15**	16:45	17:00	**16:45**
Volume	203	719	**922**	763	239	**998**
P.H.F.	0.75	0.86	**0.83**	0.88	0.92	**0.93**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

San Diego Mission Road, From Friars Road EB Ramps to Rancho Mission Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			5		6			12:00			49		57		
00:15			8		7			12:15			31		36		
00:30			5		6			12:30			47		54		
00:45			2	20	1	20	40	12:45			41	168	39	186	354
01:00			5		2			13:00			48		50		
01:15			5		10			13:15			38		45		
01:30			6		4			13:30			44		56		
01:45			1	17	3	19	36	13:45			47	177	45	196	373
02:00			2		4			14:00			45		45		
02:15			4		3			14:15			46		52		
02:30			3		5			14:30			48		49		
02:45			1	10	2	14	24	14:45			53	192	51	197	389
03:00			5		6			15:00			52		57		
03:15			0		4			15:15			56		59		
03:30			0		2			15:30			63		56		
03:45			1	6	14	26	32	15:45			89	260	54	226	486
04:00			5		5			16:00			121		68		
04:15			3		13			16:15			168		41		
04:30			7		3			16:30			156		55		
04:45			1	16	4	25	41	16:45			205	650	50	214	864
05:00			1		11			17:00			198		51		
05:15			3		12			17:15			227		68		
05:30			9		19			17:30			179		66		
05:45			6	19	12	54	73	17:45			121	725	51	236	961
06:00			14		26			18:00			124		33		
06:15			13		26			18:15			85		30		
06:30			11		53			18:30			88		31		
06:45			29	67	92	197	264	18:45			70	367	29	123	490
07:00			44		88			19:00			45		32		
07:15			46		126			19:15			40		35		
07:30			43		189			19:30			35		38		
07:45			66	199	194	597	796	19:45			30	150	19	124	274
08:00			40		151			20:00			41		17		
08:15			41		121			20:15			20		27		
08:30			44		88			20:30			25		25		
08:45			49	174	65	425	599	20:45			25	111	24	93	204
09:00			39		53			21:00			24		22		
09:15			33		43			21:15			23		18		
09:30			24		38			21:30			18		12		
09:45			29	125	33	167	292	21:45			16	81	7	59	140
10:00			37		33			22:00			14		10		
10:15			37		29			22:15			12		11		
10:30			34		44			22:30			8		7		
10:45			32	140	43	149	289	22:45			10	44	8	36	80
11:00			43		37			23:00			4		8		
11:15			27		38			23:15			13		4		
11:30			44		29			23:30			5		8		
11:45			55	169	36	140	309	23:45			5	27	12	32	59
Total Vol.				962		1833	**2795**					2952		1722	**4674**

Daily Totals

NB	SB	EB	WB	Combined
		3914	3555	**7469**

	AM			PM		
Split %	34.4%	65.6%	**37.4%**	63.2%	36.8%	**62.6%**
Peak Hour	07:00	07:15	**07:15**	16:45	15:15	**16:45**
Volume	199	660	**855**	809	237	**1044**
P.H.F.	0.75	0.85	**0.82**	0.89	0.87	**0.88**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

San Diego Mission Road, From Rancho Mission Road to 950 Feet West of Fairmount Avenue

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			4		6			12:00			91		38		
00:15			6		4			12:15			88		40		
00:30			1		7			12:30			87		31		
00:45			2	13	2	19	32	12:45			78	344	43	152	496
01:00			1		9			13:00			74		46		
01:15			0		3			13:15			85		52		
01:30			0		3			13:30			85		58		
01:45			0	1	0	15	16	13:45			86	330	34	190	520
02:00			1		4			14:00			91		32		
02:15			1		3			14:15			79		56		
02:30			1		5			14:30			90		60		
02:45			3	6	2	14	20	14:45			79	339	56	204	543
03:00			2		2			15:00			94		35		
03:15			4		0			15:15			86		49		
03:30			5		5			15:30			94		76		
03:45			2	13	3	10	23	15:45			84	358	42	202	560
04:00			1		2			16:00			79		88		
04:15			5		2			16:15			121		84		
04:30			8		3			16:30			104		77		
04:45			13	27	0	7	34	16:45			130	434	84	333	767
05:00			8		1			17:00			140		85		
05:15			12		2			17:15			159		78		
05:30			22		6			17:30			128		94		
05:45			22	64	7	16	80	17:45			101	528	84	341	869
06:00			18		7			18:00			107		68		
06:15			22		24			18:15			80		54		
06:30			23		43			18:30			64		40		
06:45			43	106	47	121	227	18:45			66	317	35	197	514
07:00			39		88			19:00			29		22		
07:15			47		128			19:15			43		31		
07:30			47		202			19:30			50		14		
07:45			68	201	219	637	838	19:45			31	153	14	81	234
08:00			57		166			20:00			35		8		
08:15			43		123			20:15			45		7		
08:30			45		81			20:30			31		7		
08:45			56	201	55	425	626	20:45			35	146	6	28	174
09:00			47		51			21:00			40		5		
09:15			56		46			21:15			24		9		
09:30			42		40			21:30			22		4		
09:45			56	201	42	179	380	21:45			16	102	3	21	123
10:00			70		27			22:00			17		9		
10:15			63		21			22:15			14		4		
10:30			78		16			22:30			10		3		
10:45			97	308	10	74	382	22:45			11	52	2	18	70
11:00			87		24			23:00			12		2		
11:15			100		29			23:15			13		2		
11:30			74		50			23:30			14		2		
11:45			69	330	34	137	467	23:45			8	47	0	6	53
Total Vol.				1471		1654	**3125**					3150		1773	**4923**

Daily Totals

NB	SB	EB	WB	Combined
		4621	3427	**8048**

	AM			PM		
Split %	47.1%	52.9%	**38.8%**	64.0%	36.0%	**61.2%**
Peak Hour	10:30	07:15	**07:15**	16:45	16:45	**16:45**
Volume	362	715	**934**	557	341	**898**
P.H.F.	0.91	0.82	**0.81**	0.88	0.91	**0.95**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

San Diego Mission Road, From Rancho Mission Road to 950 Feet West of Fairmount Avenue

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			6		1			12:00			75		42		
00:15			6		1			12:15			72		60		
00:30			9		3			12:30			65		69		
00:45			1	22	0	5	27	12:45			74	286	48	219	505
01:00			5		0			13:00			71		53		
01:15			11		6			13:15			64		39		
01:30			5		3			13:30			55		80		
01:45			4	25	1	10	35	13:45			65	255	58	230	485
02:00			6		4			14:00			71		59		
02:15			1		0			14:15			64		65		
02:30			4		2			14:30			57		97		
02:45			1	12	0	6	18	14:45			60	252	79	300	552
03:00			4		2			15:00			50		75		
03:15			1		0			15:15			54		89		
03:30			1		0			15:30			59		86		
03:45			2	8	3	5	13	15:45			60	223	74	324	547
04:00			2		1			16:00			88		91		
04:15			5		4			16:15			116		88		
04:30			8		0			16:30			105		80		
04:45			7	22	0	5	27	16:45			141	450	94	353	803
05:00			7		0			17:00			131		81		
05:15			14		4			17:15			160		77		
05:30			18		5			17:30			128		81		
05:45			21	60	5	14	74	17:45			82	501	66	305	806
06:00			30		15			18:00			79		68		
06:15			31		10			18:15			65		54		
06:30			44		25			18:30			57		40		
06:45			58	163	44	94	257	18:45			61	262	33	195	457
07:00			48		66			19:00			46		28		
07:15			41		152			19:15			28		43		
07:30			50		198			19:30			32		29		
07:45			68	207	215	631	838	19:45			18	124	28	128	252
08:00			60		142			20:00			26		27		
08:15			44		101			20:15			20		23		
08:30			58		90			20:30			16		31		
08:45			51	213	68	401	614	20:45			23	85	21	102	187
09:00			47		44			21:00			17		26		
09:15			50		51			21:15			18		14		
09:30			58		43			21:30			17		19		
09:45			56	211	36	174	385	21:45			18	70	8	67	137
10:00			60		36			22:00			8		14		
10:15			60		32			22:15			10		17		
10:30			56		29			22:30			9		10		
10:45			62	238	47	144	382	22:45			1	28	5	46	74
11:00			64		39			23:00			11		7		
11:15			75		34			23:15			16		3		
11:30			75		32			23:30			4		16		
11:45			85	299	40	145	444	23:45			6	37	4	30	67
Total Vol.				1480		1634	**3114**					2573		2299	**4872**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			4053	3933	**7986**

	AM			**PM**		
Split %	47.5%	52.5%	**39.0%**	52.8%	47.2%	**61.0%**
Peak Hour	11:15	07:15	**07:15**	16:45	16:00	**16:45**
Volume	310	707	**926**	560	353	**893**
P.H.F.	0.91	0.82	**0.82**	0.88	0.94	**0.94**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Taylor Street, From Morena Bouelvard to Pacific Highway

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			15		12			12:00			121		168		
00:15			9		11			12:15			160		142		
00:30			12		8			12:30			88		116		
00:45			7	43	9	40	83	12:45			172	541	121	547	1088
01:00			12		2			13:00			160		132		
01:15			5		3			13:15			150		108		
01:30			5		5			13:30			161		115		
01:45			4	26	0	10	36	13:45			122	593	68	423	1016
02:00			3		3			14:00			167		94		
02:15			4		1			14:15			134		89		
02:30			3		3			14:30			128		85		
02:45			1	11	1	8	19	14:45			166	595	60	328	923
03:00			4		3			15:00			178		83		
03:15			3		2			15:15			172		73		
03:30			3		1			15:30			267		95		
03:45			5	15	1	7	22	15:45			234	851	79	330	1181
04:00			2		6			16:00			301		108		
04:15			7		5			16:15			316		121		
04:30			5		7			16:30			305		151		
04:45			6	20	11	29	49	16:45			284	1206	168	548	1754
05:00			13		20			17:00			316		177		
05:15			10		22			17:15			315		184		
05:30			24		30			17:30			288		195		
05:45			30	77	55	127	204	17:45			295	1214	188	744	1958
06:00			28		53			18:00			226		168		
06:15			38		70			18:15			152		174		
06:30			41		76			18:30			149		151		
06:45			53	160	131	330	490	18:45			118	645	111	604	1249
07:00			55		189			19:00			132		106		
07:15			87		196			19:15			114		88		
07:30			121		226			19:30			88		68		
07:45			126	389	305	916	1305	19:45			96	430	77	339	769
08:00			89		288			20:00			112		84		
08:15			116		264			20:15			90		53		
08:30			121		219			20:30			88		50		
08:45			95	421	288	1059	1480	20:45			81	371	56	243	614
09:00			110		219			21:00			80		40		
09:15			108		203			21:15			71		39		
09:30			119		184			21:30			74		41		
09:45			96	433	184	790	1223	21:45			55	280	27	147	427
10:00			109		191			22:00			51		23		
10:15			116		165			22:15			52		30		
10:30			148		166			22:30			27		20		
10:45			131	504	178	700	1204	22:45			35	165	19	92	257
11:00			123		151			23:00			30		13		
11:15			119		168			23:15			24		13		
11:30			150		142			23:30			29		13		
11:45			143	535	151	612	1147	23:45			16	99	12	51	150
Total Vol.			2634		4628		**7262**				6990		4396		**11386**

Daily Totals

NB	SB	EB	WB	Combined
		9624	9024	**18648**

	AM			PM		
Split %	36.3%	63.7%	**38.9%**	61.4%	38.6%	**61.1%**
Peak Hour	11:30	07:30	**07:30**	16:15	17:00	**17:00**
Volume	574	1083	**1535**	1221	744	**1958**
P.H.F.	0.90	0.89	**0.89**	0.97	0.95	**0.98**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Taylor Street, From Morena Bouelvard to Pacific Highway

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			18		15			12:00			119		105		
00:15			9		12			12:15			174		92		
00:30			5		11			12:30			133		108		
00:45			3	35	16	54	89	12:45			198	624	101	406	1030
01:00			18		9			13:00			159		77		
01:15			10		3			13:15			161		90		
01:30			5		2			13:30			156		88		
01:45			6	39	0	14	53	13:45			135	611	48	303	914
02:00			4		2			14:00			155		87		
02:15			7		2			14:15			97		52		
02:30			4		4			14:30			210		72		
02:45			4	19	1	9	28	14:45			126	588	50	261	849
03:00			5		1			15:00			199		87		
03:15			2		1			15:15			158		67		
03:30			5		4			15:30			292		154		
03:45			6	18	2	8	26	15:45			259	908	92	400	1308
04:00			5		0			16:00			288		115		
04:15			7		7			16:15			321		121		
04:30			2		12			16:30			305		168		
04:45			16	30	10	29	59	16:45			318	1232	177	581	1813
05:00			13		13			17:00			268		165		
05:15			12		18			17:15			319		184		
05:30			16		31			17:30			305		191		
05:45			30	71	49	111	182	17:45			252	1144	188	728	1872
06:00			36		88			18:00			184		181		
06:15			27		116			18:15			195		195		
06:30			42		126			18:30			151		145		
06:45			36	141	184	514	655	18:45			162	692	151	672	1364
07:00			63		218			19:00			135		126		
07:15			86		235			19:15			142		135		
07:30			108		232			19:30			122		105		
07:45			91	348	318	1003	1351	19:45			116	515	111	477	992
08:00			111		325			20:00			121		89		
08:15			91		221			20:15			103		90		
08:30			109		248			20:30			88		70		
08:45			106	417	316	1110	1527	20:45			95	407	65	314	721
09:00			108		295			21:00			70		77		
09:15			112		262			21:15			65		84		
09:30			127		205			21:30			66		65		
09:45			117	464	181	943	1407	21:45			61	262	35	261	523
10:00			105		196			22:00			51		40		
10:15			121		184			22:15			50		32		
10:30			117		195			22:30			40		28		
10:45			99	442	161	736	1178	22:45			35	176	19	119	295
11:00			120		142			23:00			22		20		
11:15			124		135			23:15			18		16		
11:30			154		141			23:30			16		18		
11:45			155	553	126	544	1097	23:45			11	67	12	66	133
Total Vol.			2577		5075		**7652**				7226		4588		**11814**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			9803	9663	**19466**

	AM			PM		
Split %	33.7%	66.3%	**39.3%**	61.2%	38.8%	**60.7%**
Peak Hour	11:30	08:30	**08:30**	16:00	17:30	**16:45**
Volume	602	1121	**1556**	1232	755	**1927**
P.H.F.	0.86	0.89	**0.92**	0.96	0.97	**0.96**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Taylor Street, From I-8 EB Ramps to Morena Boulevard

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			9		17			12:00			83		188		
00:15			9		14			12:15			97		165		
00:30			3		13			12:30			83		170		
00:45			11	32	18	62	94	12:45			106	369	151	674	1043
01:00			5		9			13:00			105		131		
01:15			2		8			13:15			128		128		
01:30			4		10			13:30			149		106		
01:45			4	15	7	34	49	13:45			99	481	88	453	934
02:00			2		5			14:00			131		95		
02:15			5		10			14:15			118		88		
02:30			3		5			14:30			186		95		
02:45			2	12	7	27	39	14:45			126	561	87	365	926
03:00			4		10			15:00			205		95		
03:15			2		7			15:15			210		77		
03:30			2		3			15:30			311		98		
03:45			2	10	4	24	34	15:45			227	953	91	361	1314
04:00			3		13			16:00			284		106		
04:15			5		16			16:15			262		99		
04:30			3		14			16:30			277		105		
04:45			3	14	25	68	82	16:45			208	1031	131	441	1472
05:00			3		30			17:00			191		108		
05:15			9		44			17:15			242		126		
05:30			10		56			17:30			238		120		
05:45			8	30	87	217	247	17:45			206	877	155	509	1386
06:00			18		104			18:00			198		121		
06:15			17		132			18:15			129		106		
06:30			24		155			18:30			104		131		
06:45			38	97	276	667	764	18:45			101	532	105	463	995
07:00			33		264			19:00			92		88		
07:15			55		313			19:15			102		70		
07:30			63		328			19:30			72		65		
07:45			73	224	300	1205	1429	19:45			73	339	88	311	650
08:00			85		265			20:00			101		70		
08:15			71		237			20:15			76		65		
08:30			58		306			20:30			62		35		
08:45			51	265	266	1074	1339	20:45			93	332	40	210	542
09:00			70		220			21:00			101		44		
09:15			76		196			21:15			61		41		
09:30			70		181			21:30			74		35		
09:45			64	280	196	793	1073	21:45			51	287	28	148	435
10:00			63		156			22:00			60		21		
10:15			76		168			22:15			53		33		
10:30			80		193			22:30			39		31		
10:45			69	288	183	700	988	22:45			13	165	28	113	278
11:00			99		197			23:00			30		22		
11:15			82		185			23:15			14		16		
11:30			85		197			23:30			20		18		
11:45			85	351	197	776	1127	23:45			14	78	20	76	154
Total Vol.				1618		5647	**7265**					6005		4124	**10129**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			7623	9771	**17394**

	AM			**PM**		
Split %	22.3%	77.7%	**41.8%**	59.3%	40.7%	**58.2%**
Peak Hour	11:00	07:15	**07:15**	15:30	12:00	**15:30**
Volume	351	1206	**1482**	1084	674	**1478**
P.H.F.	0.89	0.92	**0.95**	0.87	0.90	**0.90**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Taylor Street, From I-8 EB Ramps to Morena Boulevard

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			12		20			12:00			103		178		
00:15			11		16			12:15			121		195		
00:30			15		11			12:30			106		184		
00:45			9	47	15	62	109	12:45			115	445	177	734	1179
01:00			7		11			13:00			128		165		
01:15			5		8			13:15			135		158		
01:30			9		9			13:30			141		111		
01:45			6	27	9	37	64	13:45			111	515	126	560	1075
02:00			5		12			14:00			128		135		
02:15			4		5			14:15			151		105		
02:30			8		6			14:30			165		88		
02:45			4	21	8	31	52	14:45			184	628	95	423	1051
03:00			9		4			15:00			191		99		
03:15			9		9			15:15			223		84		
03:30			5		8			15:30			298		106		
03:45			4	27	9	30	57	15:45			278	990	111	400	1390
04:00			3		10			16:00			251		116		
04:15			5		15			16:15			239		88		
04:30			8		18			16:30			251		116		
04:45			7	23	21	64	87	16:45			206	947	138	458	1405
05:00			9		33			17:00			184		105		
05:15			5		48			17:15			215		126		
05:30			8		51			17:30			232		128		
05:45			12	34	77	209	243	17:45			206	837	155	514	1351
06:00			18		121			18:00			195		121		
06:15			22		135			18:15			206		106		
06:30			21		142			18:30			181		111		
06:45			35	96	217	615	711	18:45			170	752	126	464	1216
07:00			44		238			19:00			154		105		
07:15			40		284			19:15			165		88		
07:30			68		281			19:30			106		98		
07:45			70	222	329	1132	1354	19:45			89	514	70	361	875
08:00			44		368			20:00			95		65		
08:15			51		284			20:15			96		77		
08:30			50		262			20:30			80		84		
08:45			49	194	315	1229	1423	20:45			70	341	70	296	637
09:00			61		219			21:00			65		65		
09:15			77		184			21:15			55		55		
09:30			84		186			21:30			40		40		
09:45			65	287	177	766	1053	21:45			35	195	35	195	390
10:00			70		151			22:00			33		28		
10:15			54		145			22:15			28		33		
10:30			88		162			22:30			20		31		
10:45			95	307	174	632	939	22:45			16	97	28	120	217
11:00			95		184			23:00			15		20		
11:15			78		155			23:15			25		16		
11:30			98		168			23:30			19		28		
11:45			91	362	191	698	1060	23:45			20	79	15	79	158
Total Vol.				1647		5505	**7152**					6340		4604	**10944**

Daily Totals

NB	SB	EB	WB	Combined
		7987	10109	**18096**

	AM			PM		
Split %	23.0%	77.0%	**39.5%**	57.9%	42.1%	**60.5%**
Peak Hour	11:45	07:15	**07:30**	15:30	12:00	**15:30**
Volume	421	1262	**1495**	1066	734	**1487**
P.H.F.	0.87	0.86	**0.91**	0.89	0.94	**0.92**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Taylor Street, From Hotel Circle South to I-8 EB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			14		7			12:00			124		75		
00:15			19		5			12:15			145		65		
00:30			12		14			12:30			121		83		
00:45			21	66	5	31	97	12:45			146	536	72	295	831
01:00			8		3			13:00			179		44		
01:15			14		4			13:15			141		66		
01:30			4		11			13:30			152		48		
01:45			8	34	1	19	53	13:45			151	623	46	204	827
02:00			9		4			14:00			89		54		
02:15			5		6			14:15			145		40		
02:30			5		3			14:30			179		43		
02:45			2	21	6	19	40	14:45			152	565	50	187	752
03:00			5		4			15:00			155		62		
03:15			8		5			15:15			219		43		
03:30			7		2			15:30			196		38		
03:45			6	26	3	14	40	15:45			181	751	49	192	943
04:00			2		11			16:00			234		40		
04:15			3		9			16:15			222		48		
04:30			7		12			16:30			223		53		
04:45			7	19	18	50	69	16:45			198	877	65	206	1083
05:00			5		22			17:00			229		79		
05:15			8		33			17:15			239		41		
05:30			11		48			17:30			236		46		
05:45			13	37	71	174	211	17:45			237	941	36	202	1143
06:00			32		85			18:00			214		44		
06:15			24		107			18:15			140		49		
06:30			32		133			18:30			111		60		
06:45			48	136	230	555	691	18:45			112	577	69	222	799
07:00			54		201			19:00			131		60		
07:15			66		242			19:15			86		48		
07:30			56		237			19:30			95		40		
07:45			96	272	179	859	1131	19:45			93	405	39	187	592
08:00			81		137			20:00			118		20		
08:15			77		139			20:15			100		29		
08:30			84		170			20:30			96		23		
08:45			94	336	143	589	925	20:45			74	388	25	97	485
09:00			88		121			21:00			79		27		
09:15			85		89			21:15			89		17		
09:30			86		78			21:30			78		15		
09:45			98	357	94	382	739	21:45			74	320	10	69	389
10:00			104		63			22:00			62		12		
10:15			95		70			22:15			47		16		
10:30			105		73			22:30			45		14		
10:45			108	412	79	285	697	22:45			39	193	3	45	238
11:00			121		66			23:00			48		12		
11:15			122		51			23:15			28		8		
11:30			115		70			23:30			30		14		
11:45			130	488	69	256	744	23:45			26	132	10	44	176
Total Vol.				2204		3233	**5437**					6308		1950	**8258**

Daily Totals

NB	SB	EB	WB	Combined
		8512	5183	**13695**

	AM			PM		
Split %	40.5%	59.5%	**39.7%**	76.4%	23.6%	**60.3%**
Peak Hour	11:45	06:45	**06:45**	17:00	12:00	**17:00**
Volume	520	910	**1134**	941	295	**1143**
P.H.F.	0.90	0.94	**0.92**	0.98	0.89	**0.93**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Taylor Street, From Hotel Circle South to I-8 EB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			23		2			12:00			137		100		
00:15			23		9			12:15			111		90		
00:30			11		10			12:30			129		66		
00:45			17	74	8	29	103	12:45			150	527	86	342	869
01:00			19		2			13:00			150		73		
01:15			11		1			13:15			147		66		
01:30			4		3			13:30			125		80		
01:45			11	45	5	11	56	13:45			127	549	42	261	810
02:00			3		3			14:00			127		57		
02:15			6		8			14:15			150		66		
02:30			8		4			14:30			183		65		
02:45			4	21	2	17	38	14:45			172	632	64	252	884
03:00			3		1			15:00			125		59		
03:15			2		1			15:15			199		58		
03:30			7		10			15:30			185		66		
03:45			8	20	1	13	33	15:45			260	769	23	206	975
04:00			4		5			16:00			212		44		
04:15			11		8			16:15			258		34		
04:30			6		18			16:30			197		76		
04:45			4	25	15	46	71	16:45			213	880	62	216	1096
05:00			12		20			17:00			176		93		
05:15			15		30			17:15			233		80		
05:30			9		51			17:30			259		55		
05:45			20	56	91	192	248	17:45			270	938	62	290	1228
06:00			24		73			18:00			209		63		
06:15			39		101			18:15			127		73		
06:30			42		121			18:30			103		88		
06:45			46	151	189	484	635	18:45			133	572	65	289	861
07:00			49		208			19:00			105		56		
07:15			51		231			19:15			130		44		
07:30			81		244			19:30			130		52		
07:45			75	256	329	1012	1268	19:45			98	463	37	189	652
08:00			83		340			20:00			128		32		
08:15			110		325			20:15			101		34		
08:30			112		272			20:30			104		23		
08:45			119	424	172	1109	1533	20:45			93	426	26	115	541
09:00			97		190			21:00			77		27		
09:15			75		123			21:15			65		24		
09:30			112		94			21:30			83		27		
09:45			84	368	102	509	877	21:45			56	281	35	113	394
10:00			101		94			22:00			58		16		
10:15			85		85			22:15			55		26		
10:30			96		63			22:30			52		8		
10:45			115	397	88	330	727	22:45			45	210	9	59	269
11:00			94		87			23:00			45		15		
11:15			115		90			23:15			48		3		
11:30			133		58			23:30			27		10		
11:45			124	466	76	311	777	23:45			25	145	6	34	179
Total Vol.				2303		4063	**6366**					6392		2366	**8758**

	AM			PM		
				Daily Totals		
	NB	SB	EB	WB	**Combined**	
			8695	6429	**15124**	
Split %	36.2%	63.8%	**42.1%**	73.0%	27.0%	**57.9%**
Peak Hour	11:15	07:45	**07:45**	17:15	12:00	**17:15**
Volume	509	1266	**1646**	971	342	**1231**
P.H.F.	0.93	0.93	**0.95**	0.90	0.86	**0.93**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From Hotel Circle South to Hotel Circle Place

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	10		13					12:00	94		112				
00:15	12		9					12:15	96		113				
00:30	7		17					12:30	82		126				
00:45	11	40	8	47			87	12:45	95	367	118	469			836
01:00	5		5					13:00	98		112				
01:15	8		8					13:15	88		115				
01:30	4		15					13:30	87		93				
01:45	3	20	5	33			53	13:45	102	375	103	423			798
02:00	6		7					14:00	65		97				
02:15	3		8					14:15	88		93				
02:30	6		3					14:30	100		105				
02:45	3	18	9	27			45	14:45	88	341	108	403			744
03:00	3		5					15:00	90		101				
03:15	6		8					15:15	98		114				
03:30	4		2					15:30	87		107				
03:45	8	21	8	23			44	15:45	80	355	106	428			783
04:00	4		12					16:00	105		118				
04:15	4		11					16:15	96		129				
04:30	9		16					16:30	100		118				
04:45	8	25	23	62			87	16:45	98	399	141	506			905
05:00	15		21					17:00	121		154				
05:15	21		34					17:15	106		127				
05:30	33		51					17:30	102		123				
05:45	34	103	74	180			283	17:45	106	435	106	510			945
06:00	57		101					18:00	106		120				
06:15	69		122					18:15	89		98				
06:30	87		130					18:30	93		104				
06:45	100	313	263	616			929	18:45	89	377	112	434			811
07:00	120		226					19:00	93		94				
07:15	116		277					19:15	64		86				
07:30	123		267					19:30	73		64				
07:45	133	492	224	994			1486	19:45	56	286	67	311			597
08:00	113		161					20:00	65		56				
08:15	112		169					20:15	64		52				
08:30	115		197					20:30	56		64				
08:45	108	448	181	708			1156	20:45	57	242	48	220			462
09:00	108		164					21:00	52		52				
09:15	103		136					21:15	54		59				
09:30	100		116					21:30	44		37				
09:45	97	408	115	531			939	21:45	45	195	40	188			383
10:00	78		105					22:00	32		27				
10:15	84		101					22:15	26		24				
10:30	87		115					22:30	27		25				
10:45	78	327	106	427			754	22:45	19	104	17	93			197
11:00	75		97					23:00	30		33				
11:15	72		104					23:15	19		20				
11:30	87		100					23:30	21		14				
11:45	105	339	119	420			759	23:45	26	96	15	82			178
Total Vol.		2554		4068			**6622**			3572		4067			**7639**

Daily Totals

NB	SB	EB	WB	**Combined**
6126	8135			**14261**

	AM			**PM**		
Split %	38.6%	61.4%	**46.4%**	46.8%	53.2%	**53.6%**
Peak Hour	07:00	06:45	**06:45**	17:00	16:45	**16:45**
Volume	492	1033	**1492**	435	545	**972**
P.H.F.	0.92	0.93	**0.95**	0.89	0.88	**0.88**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From Hotel Circle South to Hotel Circle Place

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	10		7					12:00	111		133				
00:15	14		11					12:15	103		131				
00:30	5		16					12:30	96		109				
00:45	10	39	14	48			87	12:45	120	430	142	515			945
01:00	11		9					13:00	104		137				
01:15	8		3					13:15	105		116				
01:30	6		6					13:30	81		116				
01:45	8	33	8	26			59	13:45	83	373	86	455			828
02:00	3		4					14:00	81		113				
02:15	10		8					14:15	104		108				
02:30	6		7					14:30	110		124				
02:45	7	26	6	25			51	14:45	95	390	139	484			874
03:00	3		7					15:00	81		110				
03:15	1		2					15:15	94		126				
03:30	4		9					15:30	112		128				
03:45	9	17	5	23			40	15:45	120	407	122	486			893
04:00	3		4					16:00	91		121				
04:15	10		9					16:15	117		121				
04:30	11		18					16:30	119		175				
04:45	6	30	18	49			79	16:45	111	438	155	572			1010
05:00	24		31					17:00	118		181				
05:15	16		28					17:15	136		167				
05:30	33		56					17:30	131		153				
05:45	54	127	93	208			335	17:45	142	527	162	663			1190
06:00	47		80					18:00	129		128				
06:15	75		118					18:15	113		125				
06:30	92		139					18:30	92		128				
06:45	117	331	206	543			874	18:45	102	436	108	489			925
07:00	125		213					19:00	99		107				
07:15	104		260					19:15	103		84				
07:30	107		293					19:30	101		93				
07:45	34	370	477	1243			1613	19:45	73	376	60	344			720
08:00	42		440					20:00	70		63				
08:15	57		430					20:15	76		74				
08:30	166		299					20:30	64		55				
08:45	126	391	216	1385			1776	20:45	60	270	51	243			513
09:00	129		229					21:00	63		59				
09:15	108		155					21:15	46		49				
09:30	89		125					21:30	61		58				
09:45	110	436	130	639			1075	21:45	55	225	55	221			446
10:00	112		122					22:00	38		39				
10:15	92		105					22:15	42		38				
10:30	86		98					22:30	34		18				
10:45	92	382	124	449			831	22:45	19	133	26	121			254
11:00	92		98					23:00	26		34				
11:15	108		116					23:15	24		18				
11:30	97		97					23:30	17		23				
11:45	105	402	115	426			828	23:45	26	93	12	87			180
Total Vol.		2584		5064			**7648**			4098		4680			**8778**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	6682	9744			**16426**

	AM			**PM**		
Split %	33.8%	66.2%	**46.6%**	46.7%	53.3%	**53.4%**
Peak Hour	08:30	07:45	**07:45**	17:15	16:30	**17:00**
Volume	529	1646	**1945**	538	678	**1190**
P.H.F.	0.80	0.86	**0.95**	0.97	0.94	**0.98**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From Hotel Circle Place to I-8 WB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			4		11			12:00			49		60		
00:15			5		9			12:15			69		52		
00:30			4		6			12:30			41		58		
00:45			6	19	5	31	50	12:45			46	205	44	214	419
01:00			6		6			13:00			54		40		
01:15			3		5			13:15			48		58		
01:30			2		6			13:30			44		50		
01:45			2	13	2	19	32	13:45			42	188	41	189	377
02:00			2		4			14:00			54		39		
02:15			2		3			14:15			45		47		
02:30			0		2			14:30			62		36		
02:45			1	5	3	12	17	14:45			50	211	58	180	391
03:00			3		3			15:00			49		43		
03:15			3		1			15:15			71		39		
03:30			2		1			15:30			64		52		
03:45			2	10	3	8	18	15:45			62	246	53	187	433
04:00			0		2			16:00			66		46		
04:15			3		4			16:15			62		57		
04:30			6		4			16:30			68		54		
04:45			5	14	7	17	31	16:45			57	253	58	215	468
05:00			10		6			17:00			75		43		
05:15			3		2			17:15			66		56		
05:30			10		6			17:30			70		40		
05:45			11	34	10	24	58	17:45			56	267	54	193	460
06:00			16		10			18:00			74		47		
06:15			11		16			18:15			61		46		
06:30			11		24			18:30			49		44		
06:45			21	59	47	97	156	18:45			39	223	53	190	413
07:00			19		92			19:00			46		37		
07:15			27		119			19:15			26		38		
07:30			42		98			19:30			30		31		
07:45			37	125	100	409	534	19:45			23	125	29	135	260
08:00			26		84			20:00			19		31		
08:15			29		81			20:15			21		31		
08:30			26		75			20:30			12		26		
08:45			24	105	74	314	419	20:45			13	65	32	120	185
09:00			24		64			21:00			17		30		
09:15			25		39			21:15			8		34		
09:30			38		38			21:30			19		17		
09:45			34	121	52	193	314	21:45			18	62	19	100	162
10:00			40		44			22:00			11		15		
10:15			35		44			22:15			10		22		
10:30			38		45			22:30			10		14		
10:45			45	158	44	177	335	22:45			9	40	16	67	107
11:00			47		35			23:00			8		11		
11:15			43		49			23:15			11		2		
11:30			54		41			23:30			5		9		
11:45			74	218	44	169	387	23:45			7	31	10	32	63
Total Vol.				881		1470	**2351**					1916		1822	**3738**

Daily Totals

NB	SB	EB	WB	Combined
		2797	3292	**6089**

	AM			PM		
Split %	37.5%	62.5%	**38.6%**	51.3%	48.7%	**61.4%**
Peak Hour	11:30	07:00	**07:00**	16:45	16:00	**16:30**
Volume	246	409	**534**	268	215	**477**
P.H.F.	0.83	0.86	**0.91**	0.89	0.93	**0.98**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From Hotel Circle Place to I-8 WB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			5		12			12:00			53		51		
00:15			9		4			12:15			55		47		
00:30			7		5			12:30			40		52		
00:45			4	25	5	26	51	12:45			63	211	61	211	422
01:00			3		5			13:00			48		59		
01:15			2		5			13:15			67		57		
01:30			1		5			13:30			61		36		
01:45			4	10	3	18	28	13:45			48	224	51	203	427
02:00			1		0			14:00			45		48		
02:15			5		4			14:15			43		40		
02:30			1		2			14:30			46		46		
02:45			5	12	5	11	23	14:45			44	178	46	180	358
03:00			2		5			15:00			52		47		
03:15			2		4			15:15			63		44		
03:30			2		1			15:30			65		65		
03:45			3	9	1	11	20	15:45			61	241	57	213	454
04:00			2		1			16:00			69		56		
04:15			5		5			16:15			71		49		
04:30			7		4			16:30			104		61		
04:45			2	16	5	15	31	16:45			64	308	61	227	535
05:00			6		5			17:00			88		68		
05:15			10		2			17:15			64		69		
05:30			11		8			17:30			70		88		
05:45			13	40	11	26	66	17:45			66	288	69	294	582
06:00			12		8			18:00			58		45		
06:15			20		10			18:15			46		44		
06:30			15		29			18:30			42		59		
06:45			21	68	65	112	180	18:45			42	188	38	186	374
07:00			18		83			19:00			45		56		
07:15			33		100			19:15			56		44		
07:30			31		128			19:30			31		40		
07:45			35	117	138	449	566	19:45			25	157	35	175	332
08:00			36		141			20:00			23		32		
08:15			28		144			20:15			30		40		
08:30			33		118			20:30			19		29		
08:45			34	131	130	533	664	20:45			19	91	26	127	218
09:00			30		121			21:00			26		33		
09:15			48		57			21:15			25		15		
09:30			22		44			21:30			20		31		
09:45			25	125	53	275	400	21:45			16	87	25	104	191
10:00			48		43			22:00			14		20		
10:15			45		46			22:15			18		21		
10:30			41		40			22:30			13		13		
10:45			46	180	41	170	350	22:45			13	58	12	66	124
11:00			44		42			23:00			17		13		
11:15			53		45			23:15			11		20		
11:30			57		49			23:30			8		16		
11:45			59	213	67	203	416	23:45			10	46	13	62	108
Total Vol.				946		1849	**2795**					2077		2048	**4125**

Daily Totals

NB	SB	EB	WB	Combined
		3023	3897	**6920**

	AM			PM		
Split %	33.8%	66.2%	**40.4%**	50.4%	49.6%	**59.6%**
Peak Hour	11:30	07:30	**07:30**	16:15	17:00	**17:00**
Volume	224	551	**681**	327	294	**582**
P.H.F.	0.95	0.96	**0.96**	0.79	0.84	**0.92**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From I-8 WB Ramps to Fashion Valley Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			15		4			12:00			167		108		
00:15			16		15			12:15			197		85		
00:30			9		5			12:30			162		90		
00:45			19	59	4	28	87	12:45			203	729	76	359	1088
01:00			17		7			13:00			185		79		
01:15			18		7			13:15			179		100		
01:30			5		7			13:30			154		86		
01:45			7	47	4	25	72	13:45			157	675	85	350	1025
02:00			13		3			14:00			140		88		
02:15			9		2			14:15			154		81		
02:30			2		1			14:30			186		68		
02:45			5	29	4	10	39	14:45			158	638	86	323	961
03:00			8		2			15:00			151		84		
03:15			6		7			15:15			174		68		
03:30			10		4			15:30			184		73		
03:45			15	39	3	16	55	15:45			186	695	88	313	1008
04:00			6		4			16:00			173		83		
04:15			10		4			16:15			158		88		
04:30			17		11			16:30			198		93		
04:45			26	59	3	22	81	16:45			182	711	105	369	1080
05:00			28		6			17:00			182		91		
05:15			40		9			17:15			180		113		
05:30			54		14			17:30			180		108		
05:45			85	207	14	43	250	17:45			174	716	92	404	1120
06:00			78		18			18:00			180		99		
06:15			80		25			18:15			179		86		
06:30			116		45			18:30			175		70		
06:45			166	440	27	115	555	18:45			165	699	96	351	1050
07:00			140		31			19:00			137		71		
07:15			148		44			19:15			111		69		
07:30			173		45			19:30			112		62		
07:45			197	658	41	161	819	19:45			87	447	65	267	714
08:00			201		56			20:00			92		71		
08:15			178		46			20:15			110		59		
08:30			174		51			20:30			80		36		
08:45			180	733	51	204	937	20:45			71	353	37	203	556
09:00			162		51			21:00			69		54		
09:15			117		50			21:15			89		50		
09:30			136		56			21:30			64		49		
09:45			148	563	46	203	766	21:45			66	288	35	188	476
10:00			118		58			22:00			59		34		
10:15			143		59			22:15			51		19		
10:30			129		63			22:30			68		20		
10:45			166	556	75	255	811	22:45			54	232	17	90	322
11:00			152		70			23:00			34		11		
11:15			144		67			23:15			40		12		
11:30			174		68			23:30			30		7		
11:45			197	667	76	281	948	23:45			17	121	7	37	158
Total Vol.			4057		1363		**5420**				6304		3254		**9558**

Daily Totals

NB	SB	EB	WB	Combined
		10361	4617	**14978**

	AM			PM		
Split %	74.9%	25.1%	**36.2%**	66.0%	34.0%	**63.8%**
Peak Hour	07:45	11:45	**11:45**	12:15	16:45	**16:30**
Volume	750	359	**1082**	747	417	**1144**
P.H.F.	0.93	0.83	**0.96**	0.92	0.92	**0.98**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From I-8 WB Ramps to Fashion Valley Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			19		11			12:00			173		67		
00:15			26		12			12:15			174		86		
00:30			20		8			12:30			162		81		
00:45			17	82	6	37	119	12:45			175	684	100	334	1018
01:00			10		7			13:00			181		95		
01:15			15		3			13:15			208		106		
01:30			13		4			13:30			180		86		
01:45			8	46	4	18	64	13:45			162	731	85	372	1103
02:00			14		4			14:00			145		78		
02:15			9		4			14:15			146		76		
02:30			6		7			14:30			165		89		
02:45			10	39	1	16	55	14:45			188	644	85	328	972
03:00			8		3			15:00			171		92		
03:15			9		7			15:15			189		74		
03:30			11		2			15:30			157		79		
03:45			18	46	3	15	61	15:45			201	718	87	332	1050
04:00			7		3			16:00			185		95		
04:15			15		5			16:15			201		111		
04:30			21		6			16:30			213		95		
04:45			25	68	11	25	93	16:45			242	841	122	423	1264
05:00			33		6			17:00			205		135		
05:15			43		5			17:15			188		137		
05:30			53		12			17:30			191		106		
05:45			91	220	16	39	259	17:45			198	782	114	492	1274
06:00			72		23			18:00			196		89		
06:15			99		21			18:15			182		95		
06:30			129		37			18:30			157		93		
06:45			166	466	22	103	569	18:45			161	696	89	366	1062
07:00			137		44			19:00			133		73		
07:15			153		51			19:15			139		87		
07:30			161		68			19:30			94		65		
07:45			227	678	60	223	901	19:45			89	455	64	289	744
08:00			203		70			20:00			93		59		
08:15			226		74			20:15			85		64		
08:30			195		71			20:30			84		62		
08:45			190	814	65	280	1094	20:45			72	334	57	242	576
09:00			191		95			21:00			73		56		
09:15			186		64			21:15			88		44		
09:30			147		56			21:30			74		39		
09:45			156	680	72	287	967	21:45			73	308	39	178	486
10:00			155		62			22:00			67		28		
10:15			124		58			22:15			59		37		
10:30			152		57			22:30			51		24		
10:45			169	600	48	225	825	22:45			43	220	20	109	329
11:00			146		61			23:00			41		21		
11:15			145		86			23:15			37		23		
11:30			152		69			23:30			24		22		
11:45			182	625	90	306	931	23:45			35	137	15	81	218
Total Vol.			4364		1574		**5938**				6550		3546		**10096**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			10914	5120	**16034**

	AM			**PM**		
Split %	73.5%	26.5%	**37.0%**	64.9%	35.1%	**63.0%**
Peak Hour	07:45	11:45	**07:45**	16:15	16:45	**16:30**
Volume	851	324	**1126**	861	500	**1337**
P.H.F.	0.94	0.90	**0.94**	0.89	0.91	**0.92**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From Fashion Valley Road to Camino De La Reina

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			7		9			12:00			108		80		
00:15			9		9			12:15			121		77		
00:30			5		5			12:30			116		84		
00:45			4	25	4	27	52	12:45			103	448	95	336	784
01:00			3		6			13:00			99		99		
01:15			3		5			13:15			91		105		
01:30			5		3			13:30			84		84		
01:45			4	15	2	16	31	13:45			88	362	77	365	727
02:00			2		2			14:00			94		84		
02:15			1		1			14:15			97		99		
02:30			0		0			14:30			95		95		
02:45			1	4	1	4	8	14:45			105	391	84	362	753
03:00			0		2			15:00			84		78		
03:15			0		1			15:15			81		88		
03:30			0		0			15:30			94		84		
03:45			1	1	0	3	4	15:45			121	380	70	320	700
04:00			2		3			16:00			135		68		
04:15			1		2			16:15			141		105		
04:30			3		4			16:30			195		111		
04:45			5	11	6	15	26	16:45			191	662	116	400	1062
05:00			4		9			17:00			205		128		
05:15			6		8			17:15			184		135		
05:30			9		9			17:30			170		105		
05:45			12	31	12	38	69	17:45			155	714	84	452	1166
06:00			28		8			18:00			149		99		
06:15			44		12			18:15			151		95		
06:30			51		18			18:30			140		101		
06:45			50	173	26	64	237	18:45			132	572	105	400	972
07:00			94		45			19:00			111		88		
07:15			126		51			19:15			116		70		
07:30			135		68			19:30			80		65		
07:45			148	503	77	241	744	19:45			95	402	88	311	713
08:00			185		51			20:00			70		75		
08:15			195		90			20:15			65		50		
08:30			168		99			20:30			88		46		
08:45			184	732	84	324	1056	20:45			70	293	65	236	529
09:00			162		84			21:00			70		33		
09:15			151		70			21:15			65		42		
09:30			144		77			21:30			33		28		
09:45			111	568	54	285	853	21:45			35	203	30	133	336
10:00			105		59			22:00			28		26		
10:15			90		55			22:15			21		18		
10:30			84		68			22:30			19		22		
10:45			70	349	70	252	601	22:45			20	88	20	86	174
11:00			88		77			23:00			15		19		
11:15			84		84			23:15			11		5		
11:30			84		54			23:30			8		11		
11:45			96	352	95	310	662	23:45			9	43	8	43	86
Total Vol.			2764		1579		**4343**				4558		3444		**8002**

Daily Totals

NB	SB	EB	WB	Combined
		7322	5023	**12345**

	AM			PM		
Split %	63.6%	36.4%	**35.2%**	57.0%	43.0%	**64.8%**
Peak Hour	08:00	08:15	**08:15**	16:30	16:30	**16:30**
Volume	732	357	**1066**	775	490	**1265**
P.H.F.	0.94	0.90	**0.94**	0.95	0.91	**0.95**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle North, From Fashion Valley Road to Camino De La Reina

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			8		7			12:00			121		81		
00:15			10		7			12:15			128		77		
00:30			4		6			12:30			106		89		
00:45			5	27	5	25	52	12:45			111	466	91	338	804
01:00			6		4			13:00			114		70		
01:15			4		5			13:15			103		84		
01:30			3		6			13:30			98		95		
01:45			2	15	6	21	36	13:45			91	406	88	337	743
02:00			5		2			14:00			90		70		
02:15			4		0			14:15			84		98		
02:30			0		1			14:30			95		78		
02:45			2	11	2	5	16	14:45			99	368	88	334	702
03:00			1		1			15:00			80		81		
03:15			5		0			15:15			98		98		
03:30			1		0			15:30			122		68		
03:45			0	7	1	2	9	15:45			135	435	70	317	752
04:00			3		2			16:00			151		88		
04:15			5		2			16:15			168		91		
04:30			6		1			16:30			189		105		
04:45			5	19	2	7	26	16:45			166	674	121	405	1079
05:00			10		3			17:00			192		106		
05:15			19		4			17:15			135		123		
05:30			21		5			17:30			168		101		
05:45			28	78	9	21	99	17:45			166	661	111	441	1102
06:00			40		15			18:00			141		108		
06:15			51		11			18:15			162		116		
06:30			65		19			18:30			135		111		
06:45			88	244	33	78	322	18:45			141	579	99	434	1013
07:00			121		50			19:00			106		91		
07:15			135		58			19:15			88		105		
07:30			141		66			19:30			95		84		
07:45			191	588	78	252	840	19:45			70	359	70	350	709
08:00			168		51			20:00			65		71		
08:15			166		115			20:15			66		77		
08:30			184		88			20:30			51		51		
08:45			166	684	74	328	1012	20:45			40	222	50	249	471
09:00			158		68			21:00			35		40		
09:15			162		70			21:15			32		33		
09:30			135		54			21:30			28		38		
09:45			114	569	66	258	827	21:45			20	115	54	165	280
10:00			108		68			22:00			19		40		
10:15			98		60			22:15			20		32		
10:30			91		84			22:30			16		28		
10:45			88	385	84	296	681	22:45			11	66	16	116	182
11:00			108		77			23:00			15		18		
11:15			91		80			23:15			8		11		
11:30			106		81			23:30			9		9		
11:45			111	416	82	320	736	23:45			12	44	5	43	87
Total Vol.				3043		1613	**4656**					4395		3529	**7924**

	AM			PM		
Split %	65.4%	34.6%	**37.0%**	55.5%	44.5%	**63.0%**
Peak Hour	07:45	08:15	**07:45**	16:15	16:30	**16:15**
Volume	709	345	**1041**	715	455	**1138**
P.H.F.	0.93	0.75	**0.93**	0.93	0.92	**0.95**

Daily Totals

NB	SB	EB	WB	Combined
		7438	5142	**12580**

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Fashion Valley Rd & Avenida Del Rio

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_047

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,284	4,020	8,304

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			6		6		12		12:00			72		69		141	
00:15			4		6		10		12:15			99		70		169	
00:30			5		5		10		12:30			85		74		159	
00:45			2	17	3	20	5	37	12:45			77	333	79	292	156	625
01:00			1		5		6		13:00			89		72		161	
01:15			1		0		1		13:15			89		74		163	
01:30			2		1		3		13:30			77		64		141	
01:45			1	5	3	9	4	14	13:45			78	333	88	298	166	631
02:00			1		3		4		14:00			77		78		155	
02:15			1		1		2		14:15			78		81		159	
02:30			2		2		4		14:30			87		63		150	
02:45			2	6	0	6	2	12	14:45			66	308	66	288	132	596
03:00			1		0		1		15:00			78		79		157	
03:15			5		4		9		15:15			96		91		187	
03:30			2		5		7		15:30			78		63		141	
03:45			0	8	1	10	1	18	15:45			87	339	57	290	144	629
04:00			0		3		3		16:00			84		83		167	
04:15			2		2		4		16:15			65		87		152	
04:30			3		1		4		16:30			97		98		195	
04:45			1	6	2	8	3	14	16:45			94	340	106	374	200	714
05:00			6		0		6		17:00			118		111		229	
05:15			7		5		12		17:15			103		120		223	
05:30			2		5		7		17:30			100		105		205	
05:45			10	25	6	16	16	41	17:45			87	408	81	417	168	825
06:00			11		20		31		18:00			112		93		205	
06:15			20		15		35		18:15			78		81		159	
06:30			13		32		45		18:30			73		90		163	
06:45			24	68	29	96	53	164	18:45			62	325	67	331	129	656
07:00			34		40		74		19:00			66		70		136	
07:15			27		38		65		19:15			58		65		123	
07:30			49		54		103		19:30			51		55		106	
07:45			53	163	50	182	103	345	19:45			39	214	55	245	94	459
08:00			63		52		115		20:00			34		46		80	
08:15			78		60		138		20:15			49		52		101	
08:30			76		45		121		20:30			28		46		74	
08:45			61	278	43	200	104	478	20:45			17	128	39	183	56	311
09:00			67		42		109		21:00			19		40		59	
09:15			48		35		83		21:15			14		25		39	
09:30			58		28		86		21:30			10		32		42	
09:45			75	248	30	135	105	383	21:45			19	62	26	123	45	185
10:00			65		31		96		22:00			20		29		49	
10:15			67		36		103		22:15			12		14		26	
10:30			77		42		119		22:30			12		12		24	
10:45			78	287	45	154	123	441	22:45			8	52	17	72	25	124
11:00			77		46		123		23:00			10		8		18	
11:15			75		52		127		23:15			3		14		17	
11:30			81		59		140		23:30			6		7		13	
11:45			75	308	79	236	154	544	23:45			4	23	6	35	10	58
TOTALS				1419		1072		**2491**	**TOTALS**				2865		2948		**5813**
SPLIT %				57.0%		43.0%		**30.0%**	**SPLIT %**				49.3%		50.7%		**70.0%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,284	4,020	8,304

AM Peak Hour			11:45	11:45	**11:45**	**PM Peak Hour**			16:45	16:45	**16:45**
AM Pk Volume			331	292	**623**	**PM Pk Volume**			415	442	**857**
Pk Hr Factor			0.836	0.924	**0.922**	**Pk Hr Factor**			0.879	0.921	**0.936**
7 - 9 Volume	0	0	441	382	**823**	**4 - 6 Volume**	0	0	748	791	**1539**
7 - 9 Peak Hour			08:00	07:30	**08:00**	**4 - 6 Peak Hour**			16:45	16:45	**16:45**
7 - 9 Pk Volume	0	0	278	216	**478**	**4 - 6 Pk Volume**	0	0	415	442	**857**
Pk Hr Factor	0.000	0.000	0.891	0.900	**0.866**	**Pk Hr Factor**	0.000	0.000	0.879	0.921	**0.936**

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Fashion Valley Rd & Avenida Del Rio

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_047

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,450	4,213	8,663

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			7		7		14		12:00			87		67		154	
00:15			5		4		9		12:15			91		91		182	
00:30			6		3		9		12:30			83		95		178	
00:45			6	24	4	18	10	42	12:45			78	339	79	332	157	671
01:00			1		0		1		13:00			64		87		151	
01:15			1		3		4		13:15			100		95		195	
01:30			0		2		2		13:30			96		88		184	
01:45			0	2	1	6	1	8	13:45			85	345	69	339	154	684
02:00			3		4		7		14:00			78		86		164	
02:15			1		2		3		14:15			68		76		144	
02:30			0		0		0		14:30			68		65		133	
02:45			4	8	0	6	4	14	14:45			93	307	63	290	156	597
03:00			4		3		7		15:00			60		91		151	
03:15			5		4		9		15:15			92		83		175	
03:30			5		1		6		15:30			89		72		161	
03:45			1	15	2	10	3	25	15:45			95	336	79	325	174	661
04:00			2		2		4		16:00			93		87		180	
04:15			2		3		5		16:15			91		88		179	
04:30			5		3		8		16:30			107		87		194	
04:45			0	9	1	9	1	18	16:45			114	405	98	360	212	765
05:00			2		2		4		17:00			106		98		204	
05:15			2		4		6		17:15			111		93		204	
05:30			8		8		16		17:30			103		102		205	
05:45			8	20	13	27	21	47	17:45			112	432	100	393	212	825
06:00			19		18		37		18:00			89		95		184	
06:15			22		19		41		18:15			75		87		162	
06:30			14		23		37		18:30			66		77		143	
06:45			33	88	26	86	59	174	18:45			58	288	81	340	139	628
07:00			34		40		74		19:00			48		61		109	
07:15			26		47		73		19:15			44		51		95	
07:30			41		38		79		19:30			64		55		119	
07:45			56	157	58	183	114	340	19:45			41	197	55	222	96	419
08:00			93		36		129		20:00			48		52		100	
08:15			66		73		139		20:15			37		48		85	
08:30			78		54		132		20:30			39		48		87	
08:45			64	301	38	201	102	502	20:45			16	140	40	188	56	328
09:00			89		42		131		21:00			37		61		98	
09:15			59		31		90		21:15			24		57		81	
09:30			60		40		100		21:30			16		38		54	
09:45			64	272	40	153	104	425	21:45			12	89	32	188	44	277
10:00			83		39		122		22:00			8		19		27	
10:15			71		49		120		22:15			8		16		24	
10:30			51		46		97		22:30			17		26		43	
10:45			81	286	47	181	128	467	22:45			7	40	22	83	29	123
11:00			85		59		144		23:00			13		9		22	
11:15			80		58		138		23:15			9		11		20	
11:30			68		55		123		23:30			6		8		14	
11:45			80	313	61	233	141	546	23:45			9	37	12	40	21	77
TOTALS				1495		1113		**2608**	**TOTALS**				2955		3100		**6055**
SPLIT %				57.3%		42.7%		**30.1%**	**SPLIT %**				48.8%		51.2%		**69.9%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,450	4,213	8,663

AM Peak Hour			11:45	11:45	**11:45**	**PM Peak Hour**			16:30	17:00	**16:45**
AM Pk Volume			341	314	**655**	**PM Pk Volume**			438	393	**825**
Pk Hr Factor			0.937	0.826	**0.900**	**Pk Hr Factor**			0.961	0.963	**0.973**
7 - 9 Volume	0	0	458	384	**842**	**4 - 6 Volume**	0	0	837	753	**1590**
7 - 9 Peak Hour			08:00	07:45	**07:45**	**4 - 6 Peak Hour**			16:30	17:00	**16:45**
7 - 9 Pk Volume	0	0	301	221	**514**	**4 - 6 Pk Volume**	0	0	438	393	**825**
Pk Hr Factor	0.000	0.000	0.809	0.757	**0.924**	**Pk Hr Factor**	0.000	0.000	0.961	0.963	**0.973**

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Avenida Del Rio & Camino De La Siesta

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_048

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,260	6,729	12,989

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			11		8		19		12:00			124		139		263	
00:15			5		5		10		12:15			124		142		266	
00:30			5		3		8		12:30			116		133		249	
00:45			2	23	5	21	7	44	12:45			89	453	165	579	254	1032
01:00			8		3		11		13:00			138		138		276	
01:15			2		5		7		13:15			127		139		266	
01:30			4		1		5		13:30			121		154		275	
01:45			1	15	0	9	1	24	13:45			109	495	131	562	240	1057
02:00			1		3		4		14:00			137		108		245	
02:15			1		2		3		14:15			125		105		230	
02:30			3		0		3		14:30			122		124		246	
02:45			2	7	1	6	3	13	14:45			99	483	119	456	218	939
03:00			1		0		1		15:00			121		101		222	
03:15			1		1		2		15:15			129		114		243	
03:30			1		0		1		15:30			115		123		238	
03:45			0	3	3	4	3	7	15:45			129	494	109	447	238	941
04:00			0		0		0		16:00			139		113		252	
04:15			1		2		3		16:15			132		125		257	
04:30			2		2		4		16:30			179		130		309	
04:45			3	6	8	12	11	18	16:45			148	598	135	503	283	1101
05:00			4		5		9		17:00			192		149		341	
05:15			3		13		16		17:15			181		148		329	
05:30			4		14		18		17:30			170		156		326	
05:45			6	17	27	59	33	76	17:45			159	702	139	592	298	1294
06:00			18		26		44		18:00			159		132		291	
06:15			18		23		41		18:15			132		104		236	
06:30			15		45		60		18:30			131		128		259	
06:45			22	73	69	163	91	236	18:45			115	537	132	496	247	1033
07:00			24		58		82		19:00			113		98		211	
07:15			22		77		99		19:15			100		108		208	
07:30			32		75		107		19:30			97		96		193	
07:45			46	124	95	305	141	429	19:45			83	393	87	389	170	782
08:00			54		74		128		20:00			81		75		156	
08:15			49		93		142		20:15			98		80		178	
08:30			55		88		143		20:30			85		72		157	
08:45			55	213	109	364	164	577	20:45			60	324	56	283	116	607
09:00			39		96		135		21:00			92		46		138	
09:15			54		91		145		21:15			74		32		106	
09:30			50		81		131		21:30			54		28		82	
09:45			67	210	97	365	164	575	21:45			44	264	26	132	70	396
10:00			65		79		144		22:00			33		34		67	
10:15			65		75		140		22:15			22		18		40	
10:30			75		102		177		22:30			22		14		36	
10:45			75	280	125	381	200	661	22:45			22	99	17	83	39	182
11:00			94		122		216		23:00			20		12		32	
11:15			99		119		218		23:15			11		7		18	
11:30			98		102		200		23:30			11		7		18	
11:45			106	397	144	487	250	884	23:45			8	50	5	31	13	81
TOTALS				1368		2176		3544	TOTALS				4892		4553		9445
SPLIT %				38.6%		61.4%		27.3%	SPLIT %				51.8%		48.2%		72.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,260	6,729	12,989

AM Peak Hour				11:45	11:45	11:45	PM Peak Hour				17:00	12:45	17:00
AM Pk Volume				470	558	1028	PM Pk Volume				702	596	1294
Pk Hr Factor				0.948	0.969	0.966	Pk Hr Factor				0.914	0.903	0.949
7 - 9 Volume	0	0		337	669	1006	4 - 6 Volume	0	0		1300	1095	2395
7 - 9 Peak Hour				08:00	08:00	08:00	4 - 6 Peak Hour				17:00	17:00	17:00
7 - 9 Pk Volume	0	0		213	364	577	4 - 6 Pk Volume	0	0		702	592	1294
Pk Hr Factor	0.000	0.000		0.968	0.835	0.880	Pk Hr Factor	0.000	0.000		0.914	0.949	0.949

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Avenida Del Rio & Camino De La Siesta

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_048

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,611	7,125	13,736

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			13		12		25		12:00			113		125		238	
00:15			15		7		22		12:15			135		140		275	
00:30			12		6		18		12:30			130		151		281	
00:45			6	46	7	32	13	78	12:45			134	512	153	569	287	1081
01:00			2		6		8		13:00			124		137		261	
01:15			1		4		5		13:15			125		157		282	
01:30			0		2		2		13:30			140		134		274	
01:45			1	4	0	12	1	16	13:45			118	507	126	554	244	1061
02:00			4		0		4		14:00			119		128		247	
02:15			2		3		5		14:15			136		123		259	
02:30			3		1		4		14:30			127		144		271	
02:45			3	12	3	7	6	19	14:45			117	499	126	521	243	1020
03:00			2		0		2		15:00			92		131		223	
03:15			1		4		5		15:15			142		106		248	
03:30			2		1		3		15:30			130		95		225	
03:45			2	7	3	8	5	15	15:45			140	504	125	457	265	961
04:00			1		1		2		16:00			151		118		269	
04:15			3		2		5		16:15			165		121		286	
04:30			1		4		5		16:30			175		130		305	
04:45			2	7	6	13	8	20	16:45			194	685	143	512	337	1197
05:00			3		5		8		17:00			202		159		361	
05:15			6		10		16		17:15			198		147		345	
05:30			5		15		20		17:30			195		129		324	
05:45			4	18	23	53	27	71	17:45			156	751	128	563	284	1314
06:00			19		23		42		18:00			147		127		274	
06:15			24		31		55		18:15			127		109		236	
06:30			15		45		60		18:30			119		104		223	
06:45			27	85	48	147	75	232	18:45			97	490	119	459	216	949
07:00			29		54		83		19:00			111		114		225	
07:15			22		70		92		19:15			102		108		210	
07:30			34		73		107		19:30			109		90		199	
07:45			34	119	101	298	135	417	19:45			86	408	89	401	175	809
08:00			69		128		197		20:00			106		83		189	
08:15			38		198		236		20:15			83		75		158	
08:30			59		196		255		20:30			75		54		129	
08:45			44	210	161	683	205	893	20:45			70	334	75	287	145	621
09:00			67		109		176		21:00			100		61		161	
09:15			53		113		166		21:15			73		36		109	
09:30			58		81		139		21:30			62		26		88	
09:45			68	246	93	396	161	642	21:45			51	286	34	157	85	443
10:00			77		74		151		22:00			33		20		53	
10:15			72		99		171		22:15			42		25		67	
10:30			74		100		174		22:30			29		16		45	
10:45			87	310	102	375	189	685	22:45			19	123	17	78	36	201
11:00			93		107		200		23:00			22		17		39	
11:15			99		134		233		23:15			25		15		40	
11:30			89		104		193		23:30			13		8		21	
11:45			98	379	147	492	245	871	23:45			9	69	11	51	20	120
TOTALS				1443		2516		3959	TOTALS				5168		4609		9777
SPLIT %				36.4%		63.6%		28.8%	SPLIT %				52.9%		47.1%		71.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,611	7,125	13,736

AM Peak Hour				11:45	08:00	11:45	PM Peak Hour				16:45	12:30	16:45
AM Pk Volume				476	683	1039	PM Pk Volume				789	598	1367
Pk Hr Factor				0.881	0.862	0.924	Pk Hr Factor				0.976	0.952	0.947
7 - 9 Volume	0	0		329	981	1310	4 - 6 Volume	0	0		1436	1075	2511
7 - 9 Peak Hour				08:00	08:00	08:00	4 - 6 Peak Hour				16:45	16:30	16:45
7 - 9 Pk Volume	0	0		210	683	893	4 - 6 Pk Volume	0	0		789	579	1367
Pk Hr Factor	0.000	0.000		0.761	0.862	0.875	Pk Hr Factor	0.000	0.000		0.976	0.910	0.947

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Camino De La Siesta & Mission Center Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_049

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,748	4,805	10,553

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			8		6		14		12:00			124		95		219	
00:15			4		5		9		12:15			124		94		218	
00:30			4		3		7		12:30			114		93		207	
00:45			2	18	5	19	7	37	12:45			85	447	110	392	195	839
01:00			6		2		8		13:00			132		102		234	
01:15			4		4		8		13:15			112		97		209	
01:30			4		1		5		13:30			114		108		222	
01:45			1	15	0	7	1	22	13:45			89	447	92	399	181	846
02:00			1		3		4		14:00			135		78		213	
02:15			1		2		3		14:15			114		72		186	
02:30			3		1		4		14:30			121		88		209	
02:45			0	5	2	8	2	13	14:45			104	474	84	322	188	796
03:00			1		1		2		15:00			108		62		170	
03:15			2		2		4		15:15			109		89		198	
03:30			1		0		1		15:30			111		82		193	
03:45			0	4	2	5	2	9	15:45			118	446	83	316	201	762
04:00			0		0		0		16:00			142		68		210	
04:15			1		1		2		16:15			119		68		187	
04:30			1		3		4		16:30			164		85		249	
04:45			5	7	6	10	11	17	16:45			134	559	88	309	222	868
05:00			2		3		5		17:00			181		85		266	
05:15			2		6		8		17:15			156		104		260	
05:30			5		12		17		17:30			164		93		257	
05:45			4	13	21	42	25	55	17:45			145	646	90	372	235	1018
06:00			14		23		37		18:00			146		76		222	
06:15			13		22		35		18:15			116		70		186	
06:30			16		31		47		18:30			124		80		204	
06:45			17	60	51	127	68	187	18:45			101	487	85	311	186	798
07:00			16		53		69		19:00			111		62		173	
07:15			23		65		88		19:15			91		73		164	
07:30			30		75		105		19:30			85		66		151	
07:45			29	98	82	275	111	373	19:45			63	350	51	252	114	602
08:00			37		56		93		20:00			74		53		127	
08:15			40		69		109		20:15			83		55		138	
08:30			41		68		109		20:30			73		54		127	
08:45			39	157	67	260	106	417	20:45			55	285	38	200	93	485
09:00			39		60		99		21:00			69		39		108	
09:15			45		56		101		21:15			51		31		82	
09:30			56		69		125		21:30			37		25		62	
09:45			66	206	73	258	139	464	21:45			36	193	25	120	61	313
10:00			72		75		147		22:00			27		29		56	
10:15			65		78		143		22:15			20		16		36	
10:30			81		77		158		22:30			19		16		35	
10:45			81	299	99	329	180	628	22:45			16	82	14	75	30	157
11:00			87		104		191		23:00			16		9		25	
11:15			105		84		189		23:15			12		7		19	
11:30			106		84		190		23:30			9		7		16	
11:45			109	407	97	369	206	776	23:45			6	43	5	28	11	71
TOTALS				1289		1709		2998	TOTALS				4459		3096		7555
SPLIT %				43.0%		57.0%		28.4%	SPLIT %				59.0%		41.0%		71.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,748	4,805	10,553

AM Peak Hour			11:45	11:45	11:45	PM Peak Hour			17:00	12:45	17:00
AM Pk Volume			471	379	850	PM Pk Volume			646	417	1018
Pk Hr Factor			0.950	0.977	0.970	Pk Hr Factor			0.892	0.948	0.957
7 - 9 Volume	0	0	255	535	790	4 - 6 Volume	0	0	1205	681	1886
7 - 9 Peak Hour			08:00	07:30	07:45	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	157	282	422	4 - 6 Pk Volume	0	0	646	372	1018
Pk Hr Factor	0.000	0.000	0.957	0.860	0.950	Pk Hr Factor	0.000	0.000	0.892	0.894	0.957

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Camino De La Siesta & Mission Center Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_049

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,894	5,012	10,906

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			9		9		18		12:00			123		82		205	
00:15			12		8		20		12:15			128		105		233	
00:30			6		5		11		12:30			117		106		223	
00:45			6	33	3	25	9	58	12:45			110	478	104	397	214	875
01:00			0		6		6		13:00			111		99		210	
01:15			2		5		7		13:15			120		94		214	
01:30			1		1		2		13:30			129		98		227	
01:45			0	3	2	14	2	17	13:45			110	470	91	382	201	852
02:00			8		1		9		14:00			109		95		204	
02:15			2		3		5		14:15			112		77		189	
02:30			2		1		3		14:30			112		95		207	
02:45			3	15	2	7	5	22	14:45			106	439	90	357	196	796
03:00			2		0		2		15:00			92		99		191	
03:15			2		2		4		15:15			124		80		204	
03:30			1		0		1		15:30			141		65		206	
03:45			3	8	1	3	4	11	15:45			124	481	78	322	202	803
04:00			1		1		2		16:00			119		71		190	
04:15			3		0		3		16:15			148		82		230	
04:30			1		3		4		16:30			157		86		243	
04:45			3	8	3	7	6	15	16:45			161	585	96	335	257	920
05:00			2		3		5		17:00			182		97		279	
05:15			5		7		12		17:15			180		126		306	
05:30			5		12		17		17:30			181		103		284	
05:45			2	14	15	37	17	51	17:45			141	684	70	396	211	1080
06:00			17		19		36		18:00			125		76		201	
06:15			20		24		44		18:15			112		73		185	
06:30			15		32		47		18:30			110		82		192	
06:45			22	74	33	108	55	182	18:45			81	428	83	314	164	742
07:00			27		43		70		19:00			104		87		191	
07:15			27		56		83		19:15			94		84		178	
07:30			28		74		102		19:30			90		67		157	
07:45			29	111	77	250	106	361	19:45			80	368	53	291	133	659
08:00			48		99		147		20:00			90		53		143	
08:15			35		120		155		20:15			74		49		123	
08:30			35		148		183		20:30			67		43		110	
08:45			33	151	107	474	140	625	20:45			60	291	59	204	119	495
09:00			50		83		133		21:00			86		47		133	
09:15			47		67		114		21:15			56		34		90	
09:30			45		53		98		21:30			43		24		67	
09:45			72	214	48	251	120	465	21:45			38	223	33	138	71	361
10:00			64		58		122		22:00			27		16		43	
10:15			77		80		157		22:15			17		24		41	
10:30			69		62		131		22:30			23		13		36	
10:45			84	294	64	264	148	558	22:45			11	78	14	67	25	145
11:00			98		79		177		23:00			19		15		34	
11:15			96		88		184		23:15			22		12		34	
11:30			92		61		153		23:30			10		7		17	
11:45			103	389	98	326	201	715	23:45			4	55	9	43	13	98
TOTALS				1314		1766		**3080**	**TOTALS**				4580		3246		**7826**
SPLIT %				42.7%		57.3%		**28.2%**	**SPLIT %**				58.5%		41.5%		**71.8%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,894	5,012	10,906

AM Peak Hour			11:45	08:00	**11:45**	**PM Peak Hour**			16:45	16:45	**16:45**
AM Pk Volume			471	474	**862**	**PM Pk Volume**			704	422	**1126**
Pk Hr Factor			0.920	0.801	**0.925**	**Pk Hr Factor**			0.967	0.837	**0.920**
7 - 9 Volume	0	0	262	724	**986**	**4 - 6 Volume**	0	0	1269	731	**2000**
7 - 9 Peak Hour			08:00	08:00	**08:00**	**4 - 6 Peak Hour**			16:45	16:45	**16:45**
7 - 9 Pk Volume	0	0	151	474	**625**	**4 - 6 Pk Volume**	0	0	704	422	**1126**
Pk Hr Factor	0.000	0.000	0.786	0.801	**0.854**	**Pk Hr Factor**	0.000	0.000	0.967	0.837	**0.920**

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Mission Center Rd & Camino Del Este

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_050

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,595	8,613	18,208

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			9		3		12		12:00			245		198		443	
00:15			3		6		9		12:15			221		208		429	
00:30			5		3		8		12:30			219		193		412	
00:45			3	20	4	16	7	36	12:45			218	903	206	805	424	1708
01:00			4		9		13		13:00			217		222		439	
01:15			5		9		14		13:15			195		193		388	
01:30			2		2		4		13:30			214		180		394	
01:45			2	13	5	25	7	38	13:45			187	813	181	776	368	1589
02:00			0		3		3		14:00			200		164		364	
02:15			0		1		1		14:15			182		180		362	
02:30			2		2		4		14:30			171		163		334	
02:45			4	6	2	8	6	14	14:45			185	738	169	676	354	1414
03:00			3		4		7		15:00			184		145		329	
03:15			5		1		6		15:15			171		174		345	
03:30			2		0		2		15:30			178		152		330	
03:45			2	12	1	6	3	18	15:45			215	748	153	624	368	1372
04:00			5		3		8		16:00			195		162		357	
04:15			4		3		7		16:15			184		143		327	
04:30			4		5		9		16:30			196		159		355	
04:45			10	23	2	13	12	36	16:45			186	761	163	627	349	1388
05:00			6		3		9		17:00			240		155		395	
05:15			4		6		10		17:15			245		176		421	
05:30			17		21		38		17:30			238		198		436	
05:45			19	46	13	43	32	89	17:45			229	952	190	719	419	1671
06:00			25		13		38		18:00			240		154		394	
06:15			18		30		48		18:15			206		143		349	
06:30			25		24		49		18:30			221		136		357	
06:45			36	104	34	101	70	205	18:45			195	862	173	606	368	1468
07:00			27		51		78		19:00			168		137		305	
07:15			40		63		103		19:15			170		169		339	
07:30			44		68		112		19:30			168		124		292	
07:45			50	161	100	282	150	443	19:45			165	671	140	570	305	1241
08:00			37		89		126		20:00			148		115		263	
08:15			53		79		132		20:15			142		123		265	
08:30			54		81		135		20:30			134		129		263	
08:45			51	195	101	350	152	545	20:45			101	525	114	481	215	1006
09:00			63		69		132		21:00			84		103		187	
09:15			93		80		173		21:15			88		82		170	
09:30			112		86		198		21:30			53		69		122	
09:45			100	368	93	328	193	696	21:45			49	274	25	279	74	553
10:00			138		94		232		22:00			36		33		69	
10:15			131		109		240		22:15			38		36		74	
10:30			111		128		239		22:30			16		24		40	
10:45			148	528	119	450	267	978	22:45			26	116	22	115	48	231
11:00			161		136		297		23:00			17		16		33	
11:15			173		157		330		23:15			14		14		28	
11:30			178		171		349		23:30			10		9		19	
11:45			188	700	200	664	388	1364	23:45			15	56	10	49	25	105
TOTALS				2176		2286		4462	TOTALS				7419		6327		13746
SPLIT %				48.8%		51.2%		24.5%	SPLIT %				54.0%		46.0%		75.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,595	8,613	18,208

AM Peak Hour			11:45	11:45	11:45	PM Peak Hour			17:00	12:15	12:00
AM Pk Volume			873	799	1672	PM Pk Volume			952	829	1708
Pk Hr Factor			0.891	0.960	0.944	Pk Hr Factor			0.971	0.934	0.964
7 - 9 Volume	0	0	356	632	988	4 - 6 Volume	0	0	1713	1346	3059
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	195	350	545	4 - 6 Pk Volume	0	0	952	719	1671
Pk Hr Factor	0.000	0.000	0.903	0.866	0.896	Pk Hr Factor	0.000	0.000	0.971	0.908	0.958

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Mission Center Rd & Camino Del Este

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_050

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,787	9,060	18,847

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			6		16		22		12:00			209		205		414	
00:15			9		2		11		12:15			215		191		406	
00:30			8		8		16		12:30			233		201		434	
00:45			2	25	2	28	4	53	12:45			225	882	215	812	440	1694
01:00			6		4		10		13:00			215		205		420	
01:15			2		3		5		13:15			194		181		375	
01:30			2		5		7		13:30			235		180		415	
01:45			2	12	9	21	11	33	13:45			225	869	199	765	424	1634
02:00			4		2		6		14:00			182		183		365	
02:15			1		4		5		14:15			185		172		357	
02:30			3		3		6		14:30			190		179		369	
02:45			1	9	2	11	3	20	14:45			174	731	161	695	335	1426
03:00			2		4		6		15:00			192		142		334	
03:15			6		6		12		15:15			184		187		371	
03:30			6		1		7		15:30			199		166		365	
03:45			5	19	1	12	6	31	15:45			189	764	160	655	349	1419
04:00			2		2		4		16:00			196		150		346	
04:15			2		1		3		16:15			194		145		339	
04:30			3		3		6		16:30			212		151		363	
04:45			7	14	3	9	10	23	16:45			235	837	171	617	406	1454
05:00			2		5		7		17:00			247		168		415	
05:15			5		6		11		17:15			258		168		426	
05:30			14		12		26		17:30			229		179		408	
05:45			22	43	23	46	45	89	17:45			236	970	196	711	432	1681
06:00			20		19		39		18:00			202		171		373	
06:15			17		20		37		18:15			194		140		334	
06:30			18		15		33		18:30			162		165		327	
06:45			33	88	41	95	74	183	18:45			194	752	149	625	343	1377
07:00			45		51		96		19:00			169		135		304	
07:15			28		74		102		19:15			162		159		321	
07:30			41		77		118		19:30			189		121		310	
07:45			41	155	94	296	135	451	19:45			171	691	134	549	305	1240
08:00			50		137		187		20:00			153		110		263	
08:15			45		113		158		20:15			122		114		236	
08:30			72		138		210		20:30			131		128		259	
08:45			58	225	126	514	184	739	20:45			106	512	119	471	225	983
09:00			57		103		160		21:00			115		102		217	
09:15			83		90		173		21:15			72		80		152	
09:30			105		90		195		21:30			76		77		153	
09:45			124	369	107	390	231	759	21:45			60	323	39	298	99	621
10:00			118		100		218		22:00			41		37		78	
10:15			139		117		256		22:15			43		43		86	
10:30			141		115		256		22:30			18		43		61	
10:45			154	552	174	506	328	1058	22:45			25	127	22	145	47	272
11:00			158		156		314		23:00			30		18		48	
11:15			203		182		385		23:15			25		25		50	
11:30			174		167		341		23:30			10		11		21	
11:45			204	739	222	727	426	1466	23:45			14	79	8	62	22	141
TOTALS				2250		2655		4905	TOTALS				7537		6405		13942
SPLIT %				45.9%		54.1%		26.0%	SPLIT %				54.1%		45.9%		74.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	9,787	9,060	18,847

AM Peak Hour			11:45	11:45	11:45	PM Peak Hour			17:00	12:00	12:15
AM Pk Volume			861	819	1680	PM Pk Volume			970	812	1700
Pk Hr Factor			0.924	0.922	0.968	Pk Hr Factor			0.940	0.944	0.966
7 - 9 Volume	0	0	380	810	1190	4 - 6 Volume	0	0	1807	1328	3135
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	225	514	739	4 - 6 Pk Volume	0	0	970	711	1681
Pk Hr Factor	0.000	0.000	0.781	0.931	0.880	Pk Hr Factor	0.000	0.000	0.940	0.907	0.973

Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Camino Del Este & Qualcomm Wy

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_051

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,672	5,850	13,522

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			13		6		19		12:00			158		153		311	
00:15			10		3		13		12:15			174		164		338	
00:30			7		1		8		12:30			162		114		276	
00:45			11	41	5	15	16	56	12:45			190	684	137	568	327	1252
01:00			4		7		11		13:00			183		125		308	
01:15			3		0		3		13:15			180		130		310	
01:30			3		2		5		13:30			153		107		260	
01:45			4	14	1	10	5	24	13:45			177	693	101	463	278	1156
02:00			2		3		5		14:00			168		112		280	
02:15			1		1		2		14:15			117		112		229	
02:30			2		0		2		14:30			147		95		242	
02:45			2	7	3	7	5	14	14:45			152	584	118	437	270	1021
03:00			1		2		3		15:00			146		103		249	
03:15			3		1		4		15:15			139		105		244	
03:30			0		1		1		15:30			158		104		262	
03:45			2	6	4	8	6	14	15:45			143	586	82	394	225	980
04:00			3		2		5		16:00			135		102		237	
04:15			1		1		2		16:15			148		105		253	
04:30			5		4		9		16:30			167		114		281	
04:45			5	14	3	10	8	24	16:45			159	609	110	431	269	1040
05:00			7		6		13		17:00			192		124		316	
05:15			8		7		15		17:15			212		130		342	
05:30			10		11		21		17:30			204		114		318	
05:45			9	34	14	38	23	72	17:45			181	789	106	474	287	1263
06:00			19		12		31		18:00			177		103		280	
06:15			12		20		32		18:15			147		97		244	
06:30			19		16		35		18:30			141		98		239	
06:45			27	77	44	92	71	169	18:45			170	635	97	395	267	1030
07:00			36		42		78		19:00			148		103		251	
07:15			35		55		90		19:15			133		85		218	
07:30			52		65		117		19:30			131		73		204	
07:45			43	166	97	259	140	425	19:45			134	546	82	343	216	889
08:00			41		70		111		20:00			147		58		205	
08:15			52		82		134		20:15			117		60		177	
08:30			49		86		135		20:30			131		54		185	
08:45			42	184	89	327	131	511	20:45			91	486	48	220	139	706
09:00			55		77		132		21:00			91		46		137	
09:15			58		78		136		21:15			80		35		115	
09:30			76		72		148		21:30			64		29		93	
09:45			57	246	86	313	143	559	21:45			67	302	19	129	86	431
10:00			66		79		145		22:00			36		24		60	
10:15			83		78		161		22:15			38		9		47	
10:30			96		89		185		22:30			33		11		44	
10:45			92	337	91	337	183	674	22:45			30	137	14	58	44	195
11:00			76		120		196		23:00			19		7		26	
11:15			103		119		222		23:15			18		19		37	
11:30			124		131		255		23:30			16		7		23	
11:45			128	431	116	486	244	917	23:45			11	64	3	36	14	100
TOTALS				1557		1902		3459	TOTALS				6115		3948		10063
SPLIT %				45.0%		55.0%		25.6%	SPLIT %				60.8%		39.2%		74.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,672	5,850	13,522

AM Peak Hour			11:45	11:30	11:45	PM Peak Hour			17:00	12:00	17:00
AM Pk Volume			622	564	1169	PM Pk Volume			789	568	1263
Pk Hr Factor			0.894	0.860	0.865	Pk Hr Factor			0.930	0.866	0.923
7 - 9 Volume	0	0	350	586	936	4 - 6 Volume	0	0	1398	905	2303
7 - 9 Peak Hour			07:30	07:45	07:45	4 - 6 Peak Hour			17:00	16:30	17:00
7 - 9 Pk Volume	0	0	188	335	520	4 - 6 Pk Volume	0	0	789	478	1263
Pk Hr Factor	0.000	0.000	0.904	0.863	0.929	Pk Hr Factor	0.000	0.000	0.930	0.919	0.923

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Prepared by NDS/ATD

VOLUME

Camino De La Reina Bet. Camino Del Este & Qualcomm Wy

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_051

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,921	6,091	14,012

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			15		15		30		12:00			167		157		324	
00:15			11		5		16		12:15			146		132		278	
00:30			8		5		13		12:30			181		143		324	
00:45			11	45	1	26	12	71	12:45			206	700	141	573	347	1273
01:00			2		3		5		13:00			189		131		320	
01:15			4		3		7		13:15			168		118		286	
01:30			2		2		4		13:30			178		109		287	
01:45			1	9	5	13	6	22	13:45			168	703	107	465	275	1168
02:00			0		6		6		14:00			155		96		251	
02:15			0		2		2		14:15			137		113		250	
02:30			4		1		5		14:30			155		90		245	
02:45			2	6	2	11	4	17	14:45			164	611	100	399	264	1010
03:00			2		4		6		15:00			148		88		236	
03:15			9		4		13		15:15			150		100		250	
03:30			2		1		3		15:30			150		96		246	
03:45			1	14	2	11	3	25	15:45			146	594	113	397	259	991
04:00			3		2		5		16:00			131		105		236	
04:15			5		1		6		16:15			161		103		264	
04:30			3		4		7		16:30			172		122		294	
04:45			2	13	4	11	6	24	16:45			171	635	117	447	288	1082
05:00			3		4		7		17:00			208		110		318	
05:15			8		6		14		17:15			231		118		349	
05:30			9		6		15		17:30			226		117		343	
05:45			14	34	25	41	39	75	17:45			191	856	120	465	311	1321
06:00			10		12		22		18:00			186		115		301	
06:15			18		21		39		18:15			162		96		258	
06:30			19		18		37		18:30			164		106		270	
06:45			22	69	43	94	65	163	18:45			176	688	96	413	272	1101
07:00			31		39		70		19:00			159		80		239	
07:15			41		74		115		19:15			151		91		242	
07:30			29		68		97		19:30			137		63		200	
07:45			43	144	94	275	137	419	19:45			127	574	70	304	197	878
08:00			45		98		143		20:00			153		63		216	
08:15			24		102		126		20:15			135		74		209	
08:30			36		118		154		20:30			141		56		197	
08:45			44	149	121	439	165	588	20:45			102	531	62	255	164	786
09:00			48		88		136		21:00			83		39		122	
09:15			63		67		130		21:15			73		37		110	
09:30			60		86		146		21:30			58		41		99	
09:45			71	242	93	334	164	576	21:45			62	276	27	144	89	420
10:00			70		79		149		22:00			39		24		63	
10:15			85		86		171		22:15			44		18		62	
10:30			90		90		180		22:30			37		18		55	
10:45			95	340	104	359	199	699	22:45			33	153	15	75	48	228
11:00			100		89		189		23:00			25		8		33	
11:15			115		133		248		23:15			22		15		37	
11:30			110		116		226		23:30			12		12		24	
11:45			136	461	162	500	298	961	23:45			15	74	5	40	20	114
TOTALS				1526		2114		**3640**	**TOTALS**				6395		3977		**10372**
SPLIT %				41.9%		58.1%		**26.0%**	**SPLIT %**				61.7%		38.3%		**74.0%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,921	6,091	14,012

AM Peak Hour			11:45	11:45	**11:45**	**PM Peak Hour**			17:00	12:00	**17:00**
AM Pk Volume			630	594	**1224**	**PM Pk Volume**			856	573	**1321**
Pk Hr Factor			0.870	0.917	**0.944**	**Pk Hr Factor**			0.926	0.912	**0.946**
7 - 9 Volume	0	0	293	714	**1007**	**4 - 6 Volume**	0	0	1491	912	**2403**
7 - 9 Peak Hour			07:15	08:00	**08:00**	**4 - 6 Peak Hour**			17:00	16:30	**17:00**
7 - 9 Pk Volume	0	0	158	439	**588**	**4 - 6 Pk Volume**	0	0	856	467	**1321**
Pk Hr Factor	0.000	0.000	0.878	0.907	**0.891**	**Pk Hr Factor**	0.000	0.000	0.926	0.957	**0.946**

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Camino De La Siesta & Mission Center Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_052

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,293	2,995	5,288

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			5		2		7		12:00			44		53		97	
00:15			2		0		2		12:15			46		52		98	
00:30			5		1		6		12:30			39		55		94	
00:45			1	13	2	5	3	18	12:45			27	156	67	227	94	383
01:00			3		1		4		13:00			51		61		112	
01:15			0		1		1		13:15			39		56		95	
01:30			0		1		1		13:30			32		67		99	
01:45			1	4	1	4	2	8	13:45			35	157	59	243	94	400
02:00			1		2		3		14:00			53		55		108	
02:15			1		1		2		14:15			38		46		84	
02:30			0		7		7		14:30			32		53		85	
02:45			4	6	0	10	4	16	14:45			31	154	57	211	88	365
03:00			4		0		4		15:00			53		38		91	
03:15			1		0		1		15:15			51		50		101	
03:30			0		0		0		15:30			48		49		97	
03:45			1	6	1	1	2	7	15:45			31	183	40	177	71	360
04:00			2		0		2		16:00			64		59		123	
04:15			0		2		2		16:15			64		42		106	
04:30			1		2		3		16:30			70		49		119	
04:45			3	6	4	8	7	14	16:45			63	261	35	185	98	446
05:00			1		5		6		17:00			116		43		159	
05:15			1		5		6		17:15			73		49		122	
05:30			3		8		11		17:30			63		49		112	
05:45			0	5	12	30	12	35	17:45			58	310	40	181	98	491
06:00			5		22		27		18:00			57		37		94	
06:15			6		22		28		18:15			39		36		75	
06:30			12		22		34		18:30			43		33		76	
06:45			7	30	44	110	51	140	18:45			42	181	35	141	77	322
07:00			14		31		45		19:00			38		39		77	
07:15			15		39		54		19:15			21		28		49	
07:30			15		32		47		19:30			32		30		62	
07:45			10	54	81	183	91	237	19:45			27	118	36	133	63	251
08:00			19		70		89		20:00			29		21		50	
08:15			19		82		101		20:15			26		25		51	
08:30			31		66		97		20:30			16		17		33	
08:45			15	84	84	302	99	386	20:45			20	91	25	88	45	179
09:00			24		87		111		21:00			24		9		33	
09:15			27		71		98		21:15			32		12		44	
09:30			21		60		81		21:30			25		9		34	
09:45			17	89	52	270	69	359	21:45			14	95	8	38	22	133
10:00			16		52		68		22:00			13		9		22	
10:15			31		35		66		22:15			7		8		15	
10:30			26		54		80		22:30			5		5		10	
10:45			22	95	57	198	79	293	22:45			9	34	5	27	14	61
11:00			33		41		74		23:00			6		7		13	
11:15			35		60		95		23:15			10		2		12	
11:30			38		44		82		23:30			3		6		9	
11:45			31	137	62	207	93	344	23:45			5	24	1	16	6	40
TOTALS				529		1328		**1857**	**TOTALS**				1764		1667		**3431**
SPLIT %				28.5%		71.5%		**35.1%**	**SPLIT %**				51.4%		48.6%		**64.9%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,293	2,995	5,288

AM Peak Hour			11:45	08:15	**08:15**	**PM Peak Hour**			16:30	12:45	**16:30**
AM Pk Volume			160	319	**408**	**PM Pk Volume**			322	251	**498**
Pk Hr Factor			0.870	0.917	**0.919**	**Pk Hr Factor**			0.694	0.937	**0.783**
7 - 9 Volume	0	0	138	485	**623**	**4 - 6 Volume**	0	0	571	366	**937**
7 - 9 Peak Hour			08:00	08:00	**08:00**	**4 - 6 Peak Hour**			16:30	16:00	**16:30**
7 - 9 Pk Volume	0	0	84	302	**386**	**4 - 6 Pk Volume**	0	0	322	185	**498**
Pk Hr Factor	0.000	0.000	0.677	0.899	**0.955**	**Pk Hr Factor**	0.000	0.000	0.694	0.784	**0.783**

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Camino De La Siesta & Mission Center Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_052

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,403	3,168	5,571

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			6		4		10		12:00			48		52		100	
00:15			7		4		11		12:15			45		50		95	
00:30			5		2		7		12:30			44		72		116	
00:45			1	19	4	14	5	33	12:45			57	194	68	242	125	436
01:00			3		1		4		13:00			43		68		111	
01:15			0		1		1		13:15			40		65		105	
01:30			0		2		2		13:30			38		81		119	
01:45			4	7	3	7	7	14	13:45			43	164	46	260	89	424
02:00			1		3		4		14:00			41		61		102	
02:15			1		2		3		14:15			44		57		101	
02:30			0		1		1		14:30			53		76		129	
02:45			1	3	3	9	4	12	14:45			41	179	68	262	109	441
03:00			1		0		1		15:00			42		35		77	
03:15			2		2		4		15:15			30		47		77	
03:30			3		1		4		15:30			61		43		104	
03:45			1	7	2	5	3	12	15:45			45	178	47	172	92	350
04:00			2		0		2		16:00			70		42		112	
04:15			1		4		5		16:15			59		51		110	
04:30			0		2		2		16:30			86		46		132	
04:45			2	5	3	9	5	14	16:45			62	277	39	178	101	455
05:00			1		4		5		17:00			121		58		179	
05:15			3		1		4		17:15			92		57		149	
05:30			2		9		11		17:30			77		39		116	
05:45			4	10	10	24	14	34	17:45			57	347	40	194	97	541
06:00			4		15		19		18:00			59		35		94	
06:15			4		16		20		18:15			48		38		86	
06:30			7		31		38		18:30			35		31		66	
06:45			6	21	50	112	56	133	18:45			38	180	32	136	70	316
07:00			14		26		40		19:00			30		28		58	
07:15			15		37		52		19:15			30		29		59	
07:30			11		35		46		19:30			29		30		59	
07:45			15	55	83	181	98	236	19:45			22	111	37	124	59	235
08:00			20		87		107		20:00			30		33		63	
08:15			11		111		122		20:15			24		22		46	
08:30			22		91		113		20:30			20		16		36	
08:45			14	67	92	381	106	448	20:45			20	94	17	88	37	182
09:00			21		80		101		21:00			17		22		39	
09:15			18		78		96		21:15			29		11		40	
09:30			26		65		91		21:30			29		7		36	
09:45			19	84	75	298	94	382	21:45			19	94	7	47	26	141
10:00			30		44		74		22:00			11		10		21	
10:15			28		44		72		22:15			28		5		33	
10:30			28		47		75		22:30			10		12		22	
10:45			23	109	42	177	65	286	22:45			5	54	10	37	15	91
11:00			34		43		77		23:00			8		5		13	
11:15			22		51		73		23:15			8		5		13	
11:30			30		39		69		23:30			6		2		8	
11:45			28	114	63	196	91	310	23:45			8	30	3	15	11	45
TOTALS				501		1413		1914	TOTALS				1902		1755		3657
SPLIT %				26.2%		73.8%		34.4%	SPLIT %				52.0%		48.0%		65.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,403	3,168	5,571

AM Peak Hour			11:45	08:00	08:00	PM Peak Hour			16:30	12:45	16:30
AM Pk Volume			165	381	448	PM Pk Volume			361	282	561
Pk Hr Factor			0.859	0.858	0.918	Pk Hr Factor			0.746	0.870	0.784
7 - 9 Volume	0	0	122	562	684	4 - 6 Volume	0	0	624	372	996
7 - 9 Peak Hour			07:45	08:00	08:00	4 - 6 Peak Hour			16:30	16:30	16:30
7 - 9 Pk Volume	0	0	68	381	448	4 - 6 Pk Volume	0	0	361	200	561
Pk Hr Factor	0.000	0.000	0.773	0.858	0.918	Pk Hr Factor	0.000	0.000	0.746	0.862	0.784

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Camino Del Rio North, From Mission Center Road to I-8 WB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			31		35			12:00			220		241		
00:15			35		40			12:15			248		259		
00:30			28		25			12:30			244		262		
00:45			26	120	21	121	241	12:45			232	944	255	1017	1961
01:00			18		18			13:00			214		221		
01:15			20		20			13:15			205		205		
01:30			15		16			13:30			199		181		
01:45			19	72	11	65	137	13:45			190	808	177	784	1592
02:00			20		16			14:00			184		189		
02:15			16		11			14:15			196		189		
02:30			11		9			14:30			184		158		
02:45			16	63	5	41	104	14:45			205	769	195	731	1500
03:00			16		8			15:00			218		168		
03:15			9		9			15:15			199		177		
03:30			12		5			15:30			208		184		
03:45			11	48	11	33	81	15:45			216	841	205	734	1575
04:00			15		16			16:00			248		205		
04:15			12		12			16:15			230		240		
04:30			9		18			16:30			262		241		
04:45			11	47	21	67	114	16:45			258	998	248	934	1932
05:00			15		25			17:00			288		226		
05:15			11		40			17:15			262		220		
05:30			20		65			17:30			262		231		
05:45			19	65	80	210	275	17:45			231	1043	248	925	1968
06:00			28		126			18:00			216		241		
06:15			35		111			18:15			203		222		
06:30			42		141			18:30			218		209		
06:45			60	165	170	548	713	18:45			184	821	226	898	1719
07:00			81		198			19:00			165		203		
07:15			88		205			19:15			166		184		
07:30			94		216			19:30			184		161		
07:45			80	343	222	841	1184	19:45			152	667	144	692	1359
08:00			116		218			20:00			135		135		
08:15			121		251			20:15			105		128		
08:30			120		255			20:30			111		116		
08:45			116	473	242	966	1439	20:45			98	449	108	487	936
09:00			108		208			21:00			95		119		
09:15			121		195			21:15			99		105		
09:30			116		184			21:30			80		121		
09:45			135	480	195	782	1262	21:45			70	344	103	448	792
10:00			141		161			22:00			65		88		
10:15			128		177			22:15			77		95		
10:30			145		184			22:30			54		70		
10:45			152	566	212	734	1300	22:45			85	281	65	318	599
11:00			188		218			23:00			65		77		
11:15			216		262			23:15			33		54		
11:30			205		233			23:30			34		56		
11:45			252	861	218	931	1792	23:45			38	170	45	232	402
Total Vol.				3303		5339	**8642**					8135		8200	**16335**

Daily Totals

NB	SB	EB	WB	Combined
		11438	13539	**24977**

	AM			PM		
Split %	38.2%	61.8%	**34.6%**	49.8%	50.2%	**65.4%**
Peak Hour	11:45	11:45	**11:45**	16:30	12:00	**16:30**
Volume	964	980	**1944**	1070	1017	**2005**
P.H.F.	0.96	0.94	**0.96**	0.93	0.97	**0.98**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Camino Del Rio North, From Mission Center Road to I-8 WB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			26		28			12:00			208		205		
00:15			19		35			12:15			218		219		
00:30			20		31			12:30			235		235		
00:45			22	87	25	119	206	12:45			214	875	241	900	1775
01:00			21		20			13:00			194		222		
01:15			18		18			13:15			196		218		
01:30			20		12			13:30			184		202		
01:45			15	74	16	66	140	13:45			191	765	180	822	1587
02:00			11		11			14:00			188		155		
02:15			11		19			14:15			181		161		
02:30			19		10			14:30			196		135		
02:45			15	56	5	45	101	14:45			188	753	141	592	1345
03:00			10		4			15:00			170		144		
03:15			8		5			15:15			184		151		
03:30			9		6			15:30			196		168		
03:45			10	37	8	23	60	15:45			213	763	184	647	1410
04:00			5		9			16:00			242		215		
04:15			4		12			16:15			262		235		
04:30			9		11			16:30			268		262		
04:45			15	33	18	50	83	16:45			274	1046	255	967	2013
05:00			18		26			17:00			251		251		
05:15			21		35			17:15			288		242		
05:30			26		41			17:30			262		205		
05:45			21	86	88	190	276	17:45			233	1034	252	950	1984
06:00			28		91			18:00			218		222		
06:15			38		152			18:15			189		218		
06:30			41		145			18:30			188		203		
06:45			66	173	162	550	723	18:45			170	765	222	865	1630
07:00			91		184			19:00			151		184		
07:15			105		195			19:15			141		151		
07:30			84		235			19:30			116		140		
07:45			106	386	241	855	1241	19:45			125	533	122	597	1130
08:00			111		252			20:00			105		111		
08:15			125		222			20:15			88		105		
08:30			135		218			20:30			95		88		
08:45			104	475	262	954	1429	20:45			70	358	95	399	757
09:00			114		205			21:00			65		70		
09:15			108		181			21:15			88		65		
09:30			105		188			21:30			70		70		
09:45			116	443	174	748	1191	21:45			65	288	54	259	547
10:00			121		184			22:00			55		55		
10:15			135		165			22:15			51		41		
10:30			141		166			22:30			54		35		
10:45			116	513	184	699	1212	22:45			28	188	28	159	347
11:00			158		191			23:00			22		33		
11:15			222		235			23:15			26		40		
11:30			218		215			23:30			30		25		
11:45			205	803	222	863	1666	23:45			21	99	24	122	221
Total Vol.				3166		5162	**8328**					7467		7279	**14746**

Daily Totals

NB	SB	EB	WB	Combined
		10633	12441	**23074**

	AM			PM		
Split %	38.0%	62.0%	**36.1%**	50.6%	49.4%	**63.9%**
Peak Hour	11:45	08:00	**11:45**	16:30	16:30	**16:30**
Volume	866	954	**1747**	1081	1010	**2091**
P.H.F.	0.92	0.91	**0.93**	0.94	0.96	**0.99**

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. I-8 WB Ramps & Camino Del Este

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_054

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,975	5,564	11,539

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			22		15		37		12:00			123		99		222	
00:15			7		7		14		12:15			113		88		201	
00:30			12		12		24		12:30			130		107		237	
00:45			6	47	14	48	20	95	12:45			116	482	113	407	229	889
01:00			11		9		20		13:00			102		108		210	
01:15			5		8		13		13:15			114		99		213	
01:30			4		5		9		13:30			120		85		205	
01:45			3	23	6	28	9	51	13:45			122	458	87	379	209	837
02:00			2		8		10		14:00			100		90		190	
02:15			3		5		8		14:15			116		86		202	
02:30			1		5		6		14:30			107		93		200	
02:45			1	7	2	20	3	27	14:45			133	456	94	363	227	819
03:00			1		13		14		15:00			114		106		220	
03:15			3		2		5		15:15			99		76		175	
03:30			0		0		0		15:30			100		94		194	
03:45			0	4	6	21	6	25	15:45			103	416	103	379	206	795
04:00			1		3		4		16:00			97		84		181	
04:15			0		5		5		16:15			113		85		198	
04:30			3		1		4		16:30			120		101		221	
04:45			1	5	9	18	10	23	16:45			117	447	92	362	209	809
05:00			2		10		12		17:00			119		107		226	
05:15			6		13		19		17:15			126		97		223	
05:30			5		12		17		17:30			116		92		208	
05:45			16	29	11	46	27	75	17:45			114	475	118	414	232	889
06:00			12		10		22		18:00			121		124		245	
06:15			11		17		28		18:15			112		108		220	
06:30			14		11		25		18:30			114		84		198	
06:45			30	67	30	68	60	135	18:45			114	461	116	432	230	893
07:00			19		30		49		19:00			81		117		198	
07:15			20		35		55		19:15			100		103		203	
07:30			21		45		66		19:30			118		79		197	
07:45			32	92	71	181	103	273	19:45			100	399	76	375	176	774
08:00			36		44		80		20:00			99		90		189	
08:15			39		62		101		20:15			83		82		165	
08:30			48		79		127		20:30			73		79		152	
08:45			53	176	53	238	106	414	20:45			77	332	59	310	136	642
09:00			49		69		118		21:00			117		88		205	
09:15			62		51		113		21:15			99		76		175	
09:30			69		60		129		21:30			87		51		138	
09:45			68	248	76	256	144	504	21:45			66	369	45	260	111	629
10:00			83		74		157		22:00			45		58		103	
10:15			63		73		136		22:15			40		42		82	
10:30			79		66		145		22:30			45		34		79	
10:45			105	330	89	302	194	632	22:45			52	182	41	175	93	357
11:00			93		92		185		23:00			43		26		69	
11:15			94		111		205		23:15			37		22		59	
11:30			88		110		198		23:30			20		17		37	
11:45			79	354	95	408	174	762	23:45			16	116	9	74	25	190
TOTALS				1382		1634		**3016**	**TOTALS**				4593		3930		**8523**
SPLIT %				45.8%		54.2%		**26.1%**	**SPLIT %**				53.9%		46.1%		**73.9%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,975	5,564	11,539

AM Peak Hour			11:45	11:15	**11:45**	**PM Peak Hour**			12:00	17:30	**17:15**
AM Pk Volume			445	415	**834**	**PM Pk Volume**			482	442	**908**
Pk Hr Factor			0.856	0.935	**0.880**	**Pk Hr Factor**			0.927	0.891	**0.927**
7 - 9 Volume	0	0	268	419	**687**	**4 - 6 Volume**	0	0	922	776	**1698**
7 - 9 Peak Hour			08:00	07:45	**08:00**	**4 - 6 Peak Hour**			16:30	17:00	**17:00**
7 - 9 Pk Volume	0	0	176	256	**414**	**4 - 6 Pk Volume**	0	0	482	414	**889**
Pk Hr Factor	0.000	0.000	0.830	0.810	**0.815**	**Pk Hr Factor**	0.000	0.000	0.956	0.877	**0.958**

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. I-8 WB Ramps & Camino Del Este

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_054

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,143	6,133	12,276

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			19		17		36		12:00			108		91		199	
00:15			27		18		45		12:15			123		95		218	
00:30			11		19		30		12:30			111		118		229	
00:45			7	64	14	68	21	132	12:45			132	474	119	423	251	897
01:00			14		14		28		13:00			119		108		227	
01:15			8		19		27		13:15			116		119		235	
01:30			3		3		6		13:30			104		108		212	
01:45			1	26	5	41	6	67	13:45			92	431	104	439	196	870
02:00			2		1		3		14:00			101		84		185	
02:15			2		1		3		14:15			113		76		189	
02:30			1		2		3		14:30			113		73		186	
02:45			3	8	1	5	4	13	14:45			102	429	92	325	194	754
03:00			2		1		3		15:00			111		90		201	
03:15			1		2		3		15:15			98		82		180	
03:30			0		0		0		15:30			105		105		210	
03:45			1	4	2	5	3	9	15:45			101	415	92	369	193	784
04:00			0		3		3		16:00			108		90		198	
04:15			0		2		2		16:15			101		129		230	
04:30			6		2		8		16:30			109		95		204	
04:45			2	8	4	11	6	19	16:45			107	425	97	411	204	836
05:00			2		15		17		17:00			120		108		228	
05:15			7		11		18		17:15			144		122		266	
05:30			6		12		18		17:30			145		118		263	
05:45			13	28	11	49	24	77	17:45			126	535	120	468	246	1003
06:00			12		9		21		18:00			122		115		237	
06:15			11		13		24		18:15			121		104		225	
06:30			8		14		22		18:30			139		126		265	
06:45			28	59	19	55	47	114	18:45			124	506	137	482	261	988
07:00			26		28		54		19:00			111		101		212	
07:15			30		54		84		19:15			107		124		231	
07:30			34		59		93		19:30			96		102		198	
07:45			23	113	89	230	112	343	19:45			98	412	93	420	191	832
08:00			23		72		95		20:00			91		110		201	
08:15			34		121		155		20:15			80		97		177	
08:30			38		130		168		20:30			91		78		169	
08:45			49	144	106	429	155	573	20:45			158	420	104	389	262	809
09:00			68		52		120		21:00			113		101		214	
09:15			71		47		118		21:15			101		56		157	
09:30			61		61		122		21:30			72		66		138	
09:45			59	259	68	228	127	487	21:45			80	366	74	297	154	663
10:00			55		73		128		22:00			66		54		120	
10:15			65		69		134		22:15			55		42		97	
10:30			75		74		149		22:30			44		31		75	
10:45			95	290	84	300	179	590	22:45			43	208	44	171	87	379
11:00			108		88		196		23:00			39		33		72	
11:15			85		107		192		23:15			36		31		67	
11:30			97		103		200		23:30			30		21		51	
11:45			107	397	115	413	222	810	23:45			17	122	20	105	37	227
TOTALS				1400		1834		**3234**	**TOTALS**				4743		4299		**9042**
SPLIT %				43.3%		56.7%		**26.3%**	**SPLIT %**				52.5%		47.5%		**73.7%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,143	6,133	12,276

AM Peak Hour			11:45	08:00	**11:45**	**PM Peak Hour**			17:15	18:30	**17:15**
AM Pk Volume			449	429	**868**	**PM Pk Volume**			537	488	**1012**
Pk Hr Factor			0.913	0.825	**0.948**	**Pk Hr Factor**			0.926	0.891	**0.951**
7 - 9 Volume	0	0	257	659	**916**	**4 - 6 Volume**	0	0	960	879	**1839**
7 - 9 Peak Hour			08:00	08:00	**08:00**	**4 - 6 Peak Hour**			17:00	17:00	**17:00**
7 - 9 Pk Volume	0	0	144	429	**573**	**4 - 6 Pk Volume**	0	0	535	468	**1003**
Pk Hr Factor	0.000	0.000	0.735	0.825	**0.853**	**Pk Hr Factor**	0.000	0.000	0.922	0.959	**0.943**

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Camino Del Este & Qualcomm Wy

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_055

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,367	4,647	12,014

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			27		15		42		12:00			121		120		241	
00:15			14		6		20		12:15			131		95		226	
00:30			22		8		30		12:30			122		94		216	
00:45			6	69	4	33	10	102	12:45			133	507	107	416	240	923
01:00			15		5		20		13:00			139		98		237	
01:15			10		1		11		13:15			142		84		226	
01:30			11		3		14		13:30			145		95		240	
01:45			3	39	2	11	5	50	13:45			136	562	71	348	207	910
02:00			6		3		9		14:00			148		74		222	
02:15			5		1		6		14:15			155		95		250	
02:30			5		1		6		14:30			139		83		222	
02:45			1	17	3	8	4	25	14:45			136	578	65	317	201	895
03:00			4		2		6		15:00			132		85		217	
03:15			4		3		7		15:15			134		64		198	
03:30			3		0		3		15:30			132		84		216	
03:45			3	14	1	6	4	20	15:45			142	540	85	318	227	858
04:00			1		2		3		16:00			142		66		208	
04:15			7		1		8		16:15			149		77		226	
04:30			7		3		10		16:30			168		76		244	
04:45			7	22	12	18	19	40	16:45			157	616	61	280	218	896
05:00			15		5		20		17:00			189		81		270	
05:15			9		9		18		17:15			173		93		266	
05:30			17		13		30		17:30			172		84		256	
05:45			26	67	13	40	39	107	17:45			152	686	78	336	230	1022
06:00			34		15		49		18:00			154		90		244	
06:15			32		12		44		18:15			129		83		212	
06:30			37		9		46		18:30			131		70		201	
06:45			48	151	27	63	75	214	18:45			114	528	96	339	210	867
07:00			58		33		91		19:00			115		85		200	
07:15			39		31		70		19:15			133		70		203	
07:30			36		54		90		19:30			126		79		205	
07:45			42	175	58	176	100	351	19:45			123	497	65	299	188	796
08:00			65		67		132		20:00			110		51		161	
08:15			45		75		120		20:15			107		55		162	
08:30			70		55		125		20:30			114		40		154	
08:45			60	240	94	291	154	531	20:45			104	435	45	191	149	626
09:00			72		57		129		21:00			131		39		170	
09:15			49		59		108		21:15			76		20		96	
09:30			63		63		126		21:30			69		48		117	
09:45			59	243	73	252	132	495	21:45			69	345	32	139	101	484
10:00			62		69		131		22:00			56		18		74	
10:15			82		73		155		22:15			45		18		63	
10:30			80		74		154		22:30			48		13		61	
10:45			128	352	85	301	213	653	22:45			43	192	21	70	64	262
11:00			83		81		164		23:00			33		14		47	
11:15			92		86		178		23:15			29		15		44	
11:30			117		91		208		23:30			20		12		32	
11:45			96	388	84	342	180	730	23:45			22	104	12	53	34	157
TOTALS				1777		1541		3318	TOTALS				5590		3106		8696
SPLIT %				53.6%		46.4%		27.6%	SPLIT %				64.3%		35.7%		72.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,367	4,647	12,014

AM Peak Hour			11:45	11:45	11:45	PM Peak Hour			16:45	12:00	17:00
AM Pk Volume			470	393	863	PM Pk Volume			691	416	1022
Pk Hr Factor			0.897	0.819	0.895	Pk Hr Factor			0.914	0.867	0.946
7 - 9 Volume	0	0	415	467	882	4 - 6 Volume	0	0	1302	616	1918
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:45	17:00	17:00
7 - 9 Pk Volume	0	0	240	291	531	4 - 6 Pk Volume	0	0	691	336	1022
Pk Hr Factor	0.000	0.000	0.857	0.774	0.862	Pk Hr Factor	0.000	0.000	0.914	0.903	0.946

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Camino Del Este & Qualcomm Wy

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_055

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,519	4,739	12,258

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			21		13		34		12:00			122		84		206	
00:15			13		7		20		12:15			117		112		229	
00:30			13		10		23		12:30			136		109		245	
00:45			10	57	7	37	17	94	12:45			152	527	99	404	251	931
01:00			13		2		15		13:00			130		90		220	
01:15			9		3		12		13:15			141		98		239	
01:30			2		5		7		13:30			167		119		286	
01:45			8	32	2	12	10	44	13:45			142	580	95	402	237	982
02:00			3		4		7		14:00			166		82		248	
02:15			3		0		3		14:15			130		67		197	
02:30			2		1		3		14:30			130		89		219	
02:45			1	9	1	6	2	15	14:45			134	560	80	318	214	878
03:00			0		2		2		15:00			150		65		215	
03:15			4		1		5		15:15			143		82		225	
03:30			1		0		1		15:30			117		76		193	
03:45			1	6	2	5	3	11	15:45			140	550	82	305	222	855
04:00			2		1		3		16:00			135		86		221	
04:15			2		3		5		16:15			150		72		222	
04:30			7		5		12		16:30			153		92		245	
04:45			6	17	8	17	14	34	16:45			136	574	86	336	222	910
05:00			12		8		20		17:00			164		81		245	
05:15			12		12		24		17:15			166		74		240	
05:30			16		12		28		17:30			151		87		238	
05:45			24	64	16	48	40	112	17:45			158	639	84	326	242	965
06:00			28		16		44		18:00			162		84		246	
06:15			35		7		42		18:15			144		77		221	
06:30			47		15		62		18:30			140		81		221	
06:45			46	156	20	58	66	214	18:45			164	610	90	332	254	942
07:00			50		22		72		19:00			137		91		228	
07:15			50		37		87		19:15			112		68		180	
07:30			40		47		87		19:30			102		73		175	
07:45			44	184	63	169	107	353	19:45			92	443	59	291	151	734
08:00			59		60		119		20:00			111		67		178	
08:15			60		70		130		20:15			126		50		176	
08:30			61		72		133		20:30			109		48		157	
08:45			68	248	81	283	149	531	20:45			115	461	38	203	153	664
09:00			62		61		123		21:00			109		34		143	
09:15			60		63		123		21:15			109		37		146	
09:30			57		82		139		21:30			97		30		127	
09:45			61	240	66	272	127	512	21:45			111	426	25	126	136	552
10:00			79		65		144		22:00			60		27		87	
10:15			90		65		155		22:15			72		22		94	
10:30			82		83		165		22:30			47		13		60	
10:45			80	331	95	308	175	639	22:45			49	228	12	74	61	302
11:00			106		101		207		23:00			62		19		81	
11:15			108		83		191		23:15			25		17		42	
11:30			98		81		179		23:30			27		8		35	
11:45			133	445	89	354	222	799	23:45			18	132	9	53	27	185
TOTALS				1789		1569		**3358**	**TOTALS**				5730		3170		**8900**
SPLIT %				53.3%		46.7%		**27.4%**	**SPLIT %**				64.4%		35.6%		**72.6%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,519	4,739	12,258

AM Peak Hour			11:45	11:45	**11:45**	**PM Peak Hour**			17:00	12:15	**13:15**
AM Pk Volume			508	394	**902**	**PM Pk Volume**			639	410	**1010**
Pk Hr Factor			0.934	0.879	**0.920**	**Pk Hr Factor**			0.962	0.915	**0.883**
7 - 9 Volume	0	0	432	452	**884**	**4 - 6 Volume**	0	0	1213	662	**1875**
7 - 9 Peak Hour			08:00	08:00	**08:00**	**4 - 6 Peak Hour**			17:00	16:00	**17:00**
7 - 9 Pk Volume	0	0	248	283	**531**	**4 - 6 Pk Volume**	0	0	639	336	**965**
Pk Hr Factor	0.000	0.000	0.912	0.873	**0.891**	**Pk Hr Factor**	0.000	0.000	0.962	0.913	**0.985**

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Qualcomm Wy & Mission City Pkwy

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_056

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,537	5,232	10,769

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			29		6		35		12:00			82		101		183	
00:15			22		4		26		12:15			64		87		151	
00:30			8		1		9		12:30			87		87		174	
00:45			6	65	1	12	7	77	12:45			117	350	92	367	209	717
01:00			5		1		6		13:00			114		80		194	
01:15			6		4		10		13:15			103		70		173	
01:30			2		1		3		13:30			93		78		171	
01:45			4	17	4	10	8	27	13:45			78	388	93	321	171	709
02:00			0		1		1		14:00			105		63		168	
02:15			6		1		7		14:15			93		59		152	
02:30			0		1		1		14:30			89		73		162	
02:45			2	8	2	5	4	13	14:45			107	394	62	257	169	651
03:00			1		1		2		15:00			111		58		169	
03:15			1		1		2		15:15			87		61		148	
03:30			2		0		2		15:30			112		61		173	
03:45			0	4	1	3	1	7	15:45			167	477	61	241	228	718
04:00			0		3		3		16:00			227		77		304	
04:15			2		2		4		16:15			203		80		283	
04:30			0		4		4		16:30			222		82		304	
04:45			6	8	30	39	36	47	16:45			177	829	96	335	273	1164
05:00			5		15		20		17:00			248		92		340	
05:15			3		29		32		17:15			209		86		295	
05:30			5		25		30		17:30			203		81		284	
05:45			7	20	30	99	37	119	17:45			150	810	71	330	221	1140
06:00			8		24		32		18:00			155		60		215	
06:15			8		41		49		18:15			102		38		140	
06:30			12		70		82		18:30			98		54		152	
06:45			23	51	106	241	129	292	18:45			73	428	39	191	112	619
07:00			28		121		149		19:00			64		31		95	
07:15			32		158		190		19:15			57		31		88	
07:30			45		205		250		19:30			46		35		81	
07:45			58	163	247	731	305	894	19:45			55	222	24	121	79	343
08:00			56		233		289		20:00			46		24		70	
08:15			71		200		271		20:15			54		19		73	
08:30			61		170		231		20:30			35		22		57	
08:45			63	251	181	784	244	1035	20:45			52	187	20	85	72	272
09:00			53		132		185		21:00			39		29		68	
09:15			49		99		148		21:15			48		18		66	
09:30			42		75		117		21:30			24		14		38	
09:45			42	186	82	388	124	574	21:45			29	140	19	80	48	220
10:00			44		52		96		22:00			14		21		35	
10:15			56		49		105		22:15			15		11		26	
10:30			35		56		91		22:30			14		10		24	
10:45			63	198	66	223	129	421	22:45			10	53	11	53	21	106
11:00			53		47		100		23:00			14		14		28	
11:15			57		84		141		23:15			5		14		19	
11:30			60		70		130		23:30			4		5		9	
11:45			85	255	72	273	157	528	23:45			10	33	10	43	20	76
TOTALS				1226		2808		**4034**	**TOTALS**				4311		2424		**6735**
SPLIT %				30.4%		69.6%		**37.5%**	**SPLIT %**				64.0%		36.0%		**62.5%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,537	5,232	10,769

AM Peak Hour			11:45	07:30	**07:30**	**PM Peak Hour**			16:30	12:00	**16:30**
AM Pk Volume			318	885	**1115**	**PM Pk Volume**			856	367	**1212**
Pk Hr Factor			0.914	0.896	**0.914**	**Pk Hr Factor**			0.863	0.908	**0.891**
7 - 9 Volume	0	0	414	1515	**1929**	**4 - 6 Volume**	0	0	1639	665	**2304**
7 - 9 Peak Hour			08:00	07:30	**07:30**	**4 - 6 Peak Hour**			16:30	16:30	**16:30**
7 - 9 Pk Volume	0	0	251	885	**1115**	**4 - 6 Pk Volume**	0	0	856	356	**1212**
Pk Hr Factor	0.000	0.000	0.884	0.896	**0.914**	**Pk Hr Factor**	0.000	0.000	0.863	0.927	**0.891**

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Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Qualcomm Wy & Mission City Pkwy

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_056

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,309	5,098	10,407

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			20		5		25		12:00			90		87		177	
00:15			5		7		12		12:15			104		91		195	
00:30			7		5		12		12:30			87		90		177	
00:45			5	37	5	22	10	59	12:45			109	390	100	368	209	758
01:00			6		4		10		13:00			96		64		160	
01:15			3		4		7		13:15			108		86		194	
01:30			3		2		5		13:30			88		63		151	
01:45			3	15	2	12	5	27	13:45			77	369	58	271	135	640
02:00			2		4		6		14:00			97		51		148	
02:15			6		1		7		14:15			100		66		166	
02:30			1		3		4		14:30			96		61		157	
02:45			2	11	5	13	7	24	14:45			92	385	57	235	149	620
03:00			0		6		6		15:00			117		55		172	
03:15			1		4		5		15:15			83		55		138	
03:30			0		3		3		15:30			148		67		215	
03:45			0	1	3	16	3	17	15:45			95	443	58	235	153	678
04:00			1		7		8		16:00			136		69		205	
04:15			1		4		5		16:15			163		67		230	
04:30			1		6		7		16:30			193		77		270	
04:45			8	11	32	49	40	60	16:45			159	651	85	298	244	949
05:00			4		17		21		17:00			249		87		336	
05:15			7		30		37		17:15			230		81		311	
05:30			5		28		33		17:30			208		85		293	
05:45			4	20	29	104	33	124	17:45			159	846	63	316	222	1162
06:00			11		30		41		18:00			166		48		214	
06:15			9		40		49		18:15			121		36		157	
06:30			7		79		86		18:30			88		43		131	
06:45			15	42	131	280	146	322	18:45			70	445	42	169	112	614
07:00			29		112		141		19:00			58		31		89	
07:15			34		160		194		19:15			42		28		70	
07:30			41		222		263		19:30			57		18		75	
07:45			52	156	250	744	302	900	19:45			34	191	27	104	61	295
08:00			55		213		268		20:00			28		15		43	
08:15			48		210		258		20:15			50		21		71	
08:30			60		162		222		20:30			39		17		56	
08:45			62	225	146	731	208	956	20:45			32	149	19	72	51	221
09:00			55		118		173		21:00			59		16		75	
09:15			40		75		115		21:15			42		20		62	
09:30			35		67		102		21:30			32		18		50	
09:45			40	170	70	330	110	500	21:45			25	158	16	70	41	228
10:00			54		57		111		22:00			28		36		64	
10:15			44		57		101		22:15			20		22		42	
10:30			40		68		108		22:30			17		22		39	
10:45			57	195	60	242	117	437	22:45			13	78	14	94	27	172
11:00			52		67		119		23:00			26		16		42	
11:15			53		73		126		23:15			10		8		18	
11:30			76		62		138		23:30			8		16		24	
11:45			88	269	70	272	158	541	23:45			8	52	11	51	19	103
TOTALS				1152		2815		3967	TOTALS				4157		2283		6440
SPLIT %				29.0%		71.0%		38.1%	SPLIT %				64.5%		35.5%		61.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,309	5,098	10,407

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			16:45	12:00	16:45
AM Pk Volume			369	895	1091	PM Pk Volume			846	368	1184
Pk Hr Factor			0.887	0.895	0.903	Pk Hr Factor			0.849	0.920	0.881
7 - 9 Volume	0	0	381	1475	1856	4 - 6 Volume	0	0	1497	614	2111
7 - 9 Peak Hour			08:00	07:30	07:30	4 - 6 Peak Hour			16:45	16:45	16:45
7 - 9 Pk Volume	0	0	225	895	1091	4 - 6 Pk Volume	0	0	846	338	1184
Pk Hr Factor	0.000	0.000	0.907	0.895	0.903	Pk Hr Factor	0.000	0.000	0.849	0.971	0.881

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Mission City Pkwy & 800 Ft E/O Mission City Pkwy

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_057

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,073	4,222	8,295

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			9		2		11		12:00			90		70		160	
00:15			12		4		16		12:15			73		82		155	
00:30			4		0		4		12:30			72		79		151	
00:45			2	27	0	6	2	33	12:45			90	325	95	326	185	651
01:00			4		1		5		13:00			81		71		152	
01:15			4		3		7		13:15			67		64		131	
01:30			2		1		3		13:30			53		65		118	
01:45			1	11	3	8	4	19	13:45			48	249	69	269	117	518
02:00			0		1		1		14:00			76		53		129	
02:15			1		1		2		14:15			72		60		132	
02:30			1		2		3		14:30			63		61		124	
02:45			2	4	2	6	4	10	14:45			61	272	56	230	117	502
03:00			0		1		1		15:00			79		58		137	
03:15			2		2		4		15:15			62		62		124	
03:30			1		1		2		15:30			90		51		141	
03:45			0	3	2	6	2	9	15:45			118	349	56	227	174	576
04:00			0		2		2		16:00			160		67		227	
04:15			2		2		4		16:15			158		74		232	
04:30			0		3		3		16:30			140		71		211	
04:45			2	4	11	18	13	22	16:45			135	593	87	299	222	892
05:00			2		9		11		17:00			191		86		277	
05:15			5		18		23		17:15			150		82		232	
05:30			3		11		14		17:30			147		72		219	
05:45			9	19	21	59	30	78	17:45			109	597	54	294	163	891
06:00			11		16		27		18:00			107		47		154	
06:15			7		22		29		18:15			72		36		108	
06:30			6		48		54		18:30			64		48		112	
06:45			21	45	76	162	97	207	18:45			55	298	42	173	97	471
07:00			24		82		106		19:00			44		33		77	
07:15			22		121		143		19:15			47		30		77	
07:30			35		152		187		19:30			42		34		76	
07:45			40	121	172	527	212	648	19:45			40	173	25	122	65	295
08:00			36		184		220		20:00			34		19		53	
08:15			47		165		212		20:15			41		17		58	
08:30			44		122		166		20:30			31		24		55	
08:45			38	165	139	610	177	775	20:45			31	137	20	80	51	217
09:00			43		99		142		21:00			31		21		52	
09:15			39		67		106		21:15			36		14		50	
09:30			30		61		91		21:30			17		9		26	
09:45			32	144	64	291	96	435	21:45			25	109	8	52	33	161
10:00			31		39		70		22:00			16		11		27	
10:15			37		46		83		22:15			11		4		15	
10:30			27		50		77		22:30			9		5		14	
10:45			53	148	59	194	112	342	22:45			10	46	4	24	14	70
11:00			43		37		80		23:00			10		7		17	
11:15			36		51		87		23:15			4		6		10	
11:30			51		61		112		23:30			3		1		4	
11:45			79	209	72	221	151	430	23:45			8	25	4	18	12	43
TOTALS				900		2108		3008	TOTALS				3173		2114		5287
SPLIT %				29.9%		70.1%		36.3%	SPLIT %				60.0%		40.0%		63.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,073	4,222	8,295

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			16:15	12:15	16:45
AM Pk Volume			314	673	831	PM Pk Volume			624	327	950
Pk Hr Factor			0.872	0.914	0.944	Pk Hr Factor			0.817	0.861	0.857
7 - 9 Volume	0	0	286	1137	1423	4 - 6 Volume	0	0	1190	593	1783
7 - 9 Peak Hour			07:45	07:30	07:30	4 - 6 Peak Hour			16:15	16:45	16:45
7 - 9 Pk Volume	0	0	167	673	831	4 - 6 Pk Volume	0	0	624	327	950
Pk Hr Factor	0.000	0.000	0.888	0.914	0.944	Pk Hr Factor	0.000	0.000	0.817	0.940	0.857

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Mission City Pkwy & 800 Ft E/O Mission City Pkwy

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_057

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,865	4,002	7,867

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			9		3		12		12:00			64		74		138	
00:15			5		8		13		12:15			72		59		131	
00:30			7		3		10		12:30			65		74		139	
00:45			3	24	4	18	7	42	12:45			51	252	85	292	136	544
01:00			3		2		5		13:00			83		70		153	
01:15			2		3		5		13:15			74		67		141	
01:30			4		1		5		13:30			58		59		117	
01:45			1	10	2	8	3	18	13:45			64	279	52	248	116	527
02:00			1		4		5		14:00			65		36		101	
02:15			1		0		1		14:15			72		66		138	
02:30			2		1		3		14:30			68		60		128	
02:45			1	5	4	9	5	14	14:45			67	272	51	213	118	485
03:00			0		3		3		15:00			75		56		131	
03:15			2		3		5		15:15			69		48		117	
03:30			1		0		1		15:30			104		56		160	
03:45			0	3	0	6	0	9	15:45			73	321	48	208	121	529
04:00			1		1		2		16:00			106		57		163	
04:15			1		3		4		16:15			111		64		175	
04:30			1		4		5		16:30			120		74		194	
04:45			2	5	15	23	17	28	16:45			114	451	82	277	196	728
05:00			3		6		9		17:00			164		88		252	
05:15			4		14		18		17:15			159		86		245	
05:30			5		19		24		17:30			166		91		257	
05:45			9	21	17	56	26	77	17:45			119	608	65	330	184	938
06:00			13		19		32		18:00			130		46		176	
06:15			11		24		35		18:15			90		29		119	
06:30			5		50		55		18:30			69		35		104	
06:45			14	43	68	161	82	204	18:45			60	349	36	146	96	495
07:00			23		81		104		19:00			45		29		74	
07:15			29		107		136		19:15			29		28		57	
07:30			32		149		181		19:30			48		13		61	
07:45			38	122	178	515	216	637	19:45			23	145	21	91	44	236
08:00			37		144		181		20:00			25		13		38	
08:15			39		143		182		20:15			37		20		57	
08:30			43		123		166		20:30			33		16		49	
08:45			39	158	110	520	149	678	20:45			21	116	22	71	43	187
09:00			37		82		119		21:00			31		15		46	
09:15			29		70		99		21:15			36		16		52	
09:30			39		47		86		21:30			20		14		34	
09:45			31	136	57	256	88	392	21:45			22	109	11	56	33	165
10:00			42		52		94		22:00			18		13		31	
10:15			31		53		84		22:15			11		11		22	
10:30			26		52		78		22:30			12		13		25	
10:45			36	135	53	210	89	345	22:45			5	46	5	42	10	88
11:00			45		56		101		23:00			19		9		28	
11:15			42		55		97		23:15			9		5		14	
11:30			67		57		124		23:30			4		8		12	
11:45			63	217	54	222	117	439	23:45			6	38	2	24	8	62
TOTALS				879		2004		2883	TOTALS				2986		1998		4984
SPLIT %				30.5%		69.5%		36.6%	SPLIT %				59.9%		40.1%		63.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,865	4,002	7,867

AM Peak Hour			11:30	07:30	07:30	PM Peak Hour			17:00	16:45	16:45
AM Pk Volume			266	614	760	PM Pk Volume			608	347	950
Pk Hr Factor			0.924	0.862	0.880	Pk Hr Factor			0.916	0.953	0.924
7 - 9 Volume	0	0	280	1035	1315	4 - 6 Volume	0	0	1059	607	1666
7 - 9 Peak Hour			08:00	07:30	07:30	4 - 6 Peak Hour			17:00	16:45	16:45
7 - 9 Pk Volume	0	0	158	614	760	4 - 6 Pk Volume	0	0	608	347	950
Pk Hr Factor	0.000	0.000	0.919	0.862	0.880	Pk Hr Factor	0.000	0.000	0.916	0.953	0.924

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. 800 Ft E/O Mission City Pkwy & 1800 Ft W/O Ward Rd

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_058

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,984	4,313	8,297

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			9		2		11		12:00			91		76		167	
00:15			12		4		16		12:15			77		82		159	
00:30			4		0		4		12:30			67		79		146	
00:45			2	27	0	6	2	33	12:45			89	324	86	323	175	647
01:00			4		2		6		13:00			77		75		152	
01:15			4		3		7		13:15			69		60		129	
01:30			2		1		3		13:30			63		72		135	
01:45			1	11	3	9	4	20	13:45			43	252	63	270	106	522
02:00			0		1		1		14:00			72		57		129	
02:15			1		1		2		14:15			74		66		140	
02:30			1		2		3		14:30			59		66		125	
02:45			2	4	2	6	4	10	14:45			63	268	57	246	120	514
03:00			0		1		1		15:00			76		56		132	
03:15			2		2		4		15:15			70		62		132	
03:30			1		1		2		15:30			83		50		133	
03:45			0	3	2	6	2	9	15:45			121	350	51	219	172	569
04:00			1		3		4		16:00			160		62		222	
04:15			2		2		4		16:15			160		72		232	
04:30			0		4		4		16:30			143		61		204	
04:45			2	5	12	21	14	26	16:45			134	597	73	268	207	865
05:00			1		9		10		17:00			189		74		263	
05:15			5		18		23		17:15			150		71		221	
05:30			3		15		18		17:30			157		58		215	
05:45			8	17	25	67	33	84	17:45			116	612	48	251	164	863
06:00			11		16		27		18:00			110		42		152	
06:15			6		23		29		18:15			70		36		106	
06:30			3		57		60		18:30			68		43		111	
06:45			20	40	81	177	101	217	18:45			50	298	41	162	91	460
07:00			21		99		120		19:00			43		33		76	
07:15			20		125		145		19:15			51		28		79	
07:30			32		162		194		19:30			41		35		76	
07:45			37	110	191	577	228	687	19:45			38	173	25	121	63	294
08:00			27		196		223		20:00			38		20		58	
08:15			34		170		204		20:15			38		14		52	
08:30			32		153		185		20:30			33		23		56	
08:45			28	121	144	663	172	784	20:45			29	138	17	74	46	212
09:00			34		108		142		21:00			30		20		50	
09:15			38		74		112		21:15			38		13		51	
09:30			32		75		107		21:30			16		9		25	
09:45			25	129	65	322	90	451	21:45			24	108	9	51	33	159
10:00			23		44		67		22:00			17		9		26	
10:15			33		47		80		22:15			11		6		17	
10:30			25		52		77		22:30			9		4		13	
10:45			49	130	56	199	105	329	22:45			9	46	4	23	13	69
11:00			40		40		80		23:00			10		6		16	
11:15			32		59		91		23:15			4		5		9	
11:30			56		58		114		23:30			3		1		4	
11:45			68	196	80	237	148	433	23:45			8	25	3	15	11	40
TOTALS				793		2290		3083	TOTALS				3191		2023		5214
SPLIT %				25.7%		74.3%		37.2%	SPLIT %				61.2%		38.8%		62.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,984	4,313	8,297

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			16:45	12:00	16:15
AM Pk Volume			303	719	849	PM Pk Volume			630	323	906
Pk Hr Factor			0.832	0.917	0.931	Pk Hr Factor			0.833	0.939	0.861
7 - 9 Volume	0	0	231	1240	1471	4 - 6 Volume	0	0	1209	519	1728
7 - 9 Peak Hour			07:30	07:30	07:30	4 - 6 Peak Hour			16:45	16:15	16:15
7 - 9 Pk Volume	0	0	130	719	849	4 - 6 Pk Volume	0	0	630	280	906
Pk Hr Factor	0.000	0.000	0.878	0.917	0.931	Pk Hr Factor	0.000	0.000	0.833	0.946	0.861

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. 800 Ft E/O Mission City Pkwy & 1800 Ft W/O Ward Rd

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_058

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,761	4,060	7,821

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00					8		4		12		12:00					68		71		139	
00:15					4		8		12		12:15					68		58		126	
00:30					7		4		11		12:30					61		76		137	
00:45					3	22	3	19	6	41	12:45					53	250	83	288	136	538
01:00					2		2		4		13:00					85		67		152	
01:15					2		2		4		13:15					70		62		132	
01:30					4		1		5		13:30					61		54		115	
01:45					1	9	2	7	3	16	13:45					56	272	59	242	115	514
02:00					1		4		5		14:00					65		45		110	
02:15					1		0		1		14:15					67		60		127	
02:30					2		3		5		14:30					69		61		130	
02:45					1	5	4	11	5	16	14:45					65	266	54	220	119	486
03:00					0		4		4		15:00					75		59		134	
03:15					2		2		4		15:15					75		44		119	
03:30					1		0		1		15:30					102		51		153	
03:45					0	3	0	6	0	9	15:45					78	330	50	204	128	534
04:00					1		1		2		16:00					108		43		151	
04:15					1		3		4		16:15					113		63		176	
04:30					1		4		5		16:30					119		71		190	
04:45					2	5	16	24	18	29	16:45					115	455	73	250	188	705
05:00					3		6		9		17:00					161		82		243	
05:15					4		16		20		17:15					166		80		246	
05:30					3		18		21		17:30					174		72		246	
05:45					7	17	25	65	32	82	17:45					117	618	62	296	179	914
06:00					10		23		33		18:00					126		39		165	
06:15					10		26		36		18:15					90		28		118	
06:30					5		51		56		18:30					69		33		102	
06:45					9	34	78	178	87	212	18:45					62	347	35	135	97	482
07:00					22		88		110		19:00					48		31		79	
07:15					24		117		141		19:15					30		23		53	
07:30					30		164		194		19:30					44		13		57	
07:45					32	108	190	559	222	667	19:45					26	148	22	89	48	237
08:00					28		166		194		20:00					27		10		37	
08:15					30		151		181		20:15					39		21		60	
08:30					35		144		179		20:30					33		12		45	
08:45					23	116	113	574	136	690	20:45					22	121	18	61	40	182
09:00					32		89		121		21:00					32		15		47	
09:15					26		76		102		21:15					28		12		40	
09:30					30		49		79		21:30					24		16		40	
09:45					34	122	66	280	100	402	21:45					23	107	7	50	30	157
10:00					38		55		93		22:00					18		13		31	
10:15					28		55		83		22:15					11		13		24	
10:30					22		56		78		22:30					12		11		23	
10:45					33	121	55	221	88	342	22:45					6	47	6	43	12	90
11:00					42		55		97		23:00					18		9		27	
11:15					40		53		93		23:15					10		6		16	
11:30					63		56		119		23:30					3		8		11	
11:45					57	202	50	214	107	416	23:45					5	36	1	24	6	60
TOTALS						764		2158		2922	TOTALS						2997		1902		4899
SPLIT %						26.1%		73.9%		37.4%	SPLIT %						61.2%		38.8%		62.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,761	4,060	7,821

AM Peak Hour			11:30	07:30	07:30	PM Peak Hour			17:00	16:45	16:45
AM Pk Volume			256	671	791	PM Pk Volume			618	307	923
Pk Hr Factor			0.941	0.883	0.891	Pk Hr Factor			0.888	0.936	0.938
7 - 9 Volume	0	0	224	1133	1357	4 - 6 Volume	0	0	1073	546	1619
7 - 9 Peak Hour			07:45	07:30	07:30	4 - 6 Peak Hour			17:00	16:45	16:45
7 - 9 Pk Volume	0	0	125	671	791	4 - 6 Pk Volume	0	0	618	307	923
Pk Hr Factor	0.000	0.000	0.893	0.883	0.891	Pk Hr Factor	0.000	0.000	0.888	0.936	0.938

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. 1800 Ft W/O Ward Rd & Ward Rd

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_059

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,304	4,872	9,176

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			13		2		15		12:00			102		89		191	
00:15			3		3		6		12:15			89		85		174	
00:30			5		1		6		12:30			76		85		161	
00:45			2	23	1	7	3	30	12:45			85	352	92	351	177	703
01:00			4		1		5		13:00			87		91		178	
01:15			3		3		6		13:15			72		60		132	
01:30			3		1		4		13:30			64		83		147	
01:45			3	13	3	8	6	21	13:45			47	270	70	304	117	574
02:00			0		1		1		14:00			80		62		142	
02:15			1		2		3		14:15			80		72		152	
02:30			0		1		1		14:30			74		76		150	
02:45			2	3	2	6	4	9	14:45			73	307	69	279	142	586
03:00			2		1		3		15:00			91		68		159	
03:15			3		4		7		15:15			88		70		158	
03:30			1		2		3		15:30			105		61		166	
03:45			0	6	1	8	1	14	15:45			121	405	72	271	193	676
04:00			1		3		4		16:00			182		72		254	
04:15			2		2		4		16:15			178		78		256	
04:30			0		4		4		16:30			158		74		232	
04:45			1	4	14	23	15	27	16:45			138	656	82	306	220	962
05:00			1		9		10		17:00			231		89		320	
05:15			4		24		28		17:15			165		88		253	
05:30			2		18		20		17:30			167		81		248	
05:45			4	11	27	78	31	89	17:45			130	693	58	316	188	1009
06:00			10		27		37		18:00			125		54		179	
06:15			5		30		35		18:15			81		46		127	
06:30			6		60		66		18:30			75		46		121	
06:45			16	37	95	212	111	249	18:45			54	335	47	193	101	528
07:00			22		107		129		19:00			52		32		84	
07:15			16		135		151		19:15			54		35		89	
07:30			23		180		203		19:30			46		31		77	
07:45			29	90	210	632	239	722	19:45			39	191	35	133	74	324
08:00			24		211		235		20:00			43		23		66	
08:15			20		181		201		20:15			40		24		64	
08:30			24		157		181		20:30			34		25		59	
08:45			21	89	166	715	187	804	20:45			29	146	19	91	48	237
09:00			28		124		152		21:00			31		25		56	
09:15			34		79		113		21:15			37		19		56	
09:30			34		82		116		21:30			20		11		31	
09:45			23	119	78	363	101	482	21:45			26	114	9	64	35	178
10:00			27		48		75		22:00			18		8		26	
10:15			37		50		87		22:15			13		6		19	
10:30			25		53		78		22:30			9		4		13	
10:45			49	138	64	215	113	353	22:45			8	48	6	24	14	72
11:00			48		53		101		23:00			13		6		19	
11:15			42		63		105		23:15			6		5		11	
11:30			67		58		125		23:30			3		2		5	
11:45			69	226	83	257	152	483	23:45			6	28	3	16	9	44
TOTALS				759		2524		3283	TOTALS				3545		2348		5893
SPLIT %				23.1%		76.9%		35.8%	SPLIT %				60.2%		39.8%		64.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,304	4,872	9,176

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			16:15	12:15	16:45
AM Pk Volume			336	782	878	PM Pk Volume			705	353	1041
Pk Hr Factor			0.824	0.927	0.918	Pk Hr Factor			0.763	0.959	0.813
7 - 9 Volume	0	0	179	1347	1526	4 - 6 Volume	0	0	1349	622	1971
7 - 9 Peak Hour			07:45	07:30	07:30	4 - 6 Peak Hour			16:15	16:45	16:45
7 - 9 Pk Volume	0	0	97	782	878	4 - 6 Pk Volume	0	0	705	340	1041
Pk Hr Factor	0.000	0.000	0.836	0.927	0.918	Pk Hr Factor	0.000	0.000	0.763	0.955	0.813

Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. 1800 Ft W/O Ward Rd & Ward Rd

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_059

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,049	4,614	8,663

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			7		5		12		12:00			85		70		155	
00:15			7		6		13		12:15			68		73		141	
00:30			6		4		10		12:30			70		82		152	
00:45			4	24	3	18	7	42	12:45			58	281	94	319	152	600
01:00			3		2		5		13:00			85		79		164	
01:15			2		2		4		13:15			68		72		140	
01:30			3		2		5		13:30			61		65		126	
01:45			1	9	1	7	2	16	13:45			67	281	68	284	135	565
02:00			1		4		5		14:00			77		47		124	
02:15			1		0		1		14:15			71		74		145	
02:30			3		2		5		14:30			78		63		141	
02:45			3	8	4	10	7	18	14:45			72	298	62	246	134	544
03:00			0		3		3		15:00			94		77		171	
03:15			2		2		4		15:15			84		45		129	
03:30			1		0		1		15:30			121		64		185	
03:45			0	3	0	5	0	8	15:45			90	389	59	245	149	634
04:00			0		1		1		16:00			131		56		187	
04:15			0		3		3		16:15			129		79		208	
04:30			3		5		8		16:30			146		75		221	
04:45			2	5	17	26	19	31	16:45			123	529	86	296	209	825
05:00			4		8		12		17:00			192		94		286	
05:15			3		18		21		17:15			195		91		286	
05:30			2		20		22		17:30			172		94		266	
05:45			5	14	27	73	32	87	17:45			131	690	73	352	204	1042
06:00			7		31		38		18:00			145		47		192	
06:15			12		32		44		18:15			97		38		135	
06:30			5		58		63		18:30			84		36		120	
06:45			10	34	90	211	100	245	18:45			62	388	42	163	104	551
07:00			15		95		110		19:00			53		32		85	
07:15			21		124		145		19:15			34		28		62	
07:30			21		179		200		19:30			47		18		65	
07:45			27	84	217	615	244	699	19:45			26	160	27	105	53	265
08:00			18		178		196		20:00			29		10		39	
08:15			21		166		187		20:15			41		27		68	
08:30			24		146		170		20:30			30		12		42	
08:45			20	83	138	628	158	711	20:45			22	122	21	70	43	192
09:00			26		101		127		21:00			30		16		46	
09:15			26		90		116		21:15			31		17		48	
09:30			26		56		82		21:30			26		18		44	
09:45			35	113	71	318	106	431	21:45			24	111	9	60	33	171
10:00			36		67		103		22:00			18		14		32	
10:15			27		58		85		22:15			16		13		29	
10:30			18		58		76		22:30			14		15		29	
10:45			34	115	64	247	98	362	22:45			7	55	7	49	14	104
11:00			48		61		109		23:00			18		10		28	
11:15			47		59		106		23:15			11		7		18	
11:30			65		66		131		23:30			4		6		10	
11:45			56	216	57	243	113	459	23:45			4	37	1	24	5	61
TOTALS				708		2401		3109	TOTALS				3341		2213		5554
SPLIT %				22.8%		77.2%		35.9%	SPLIT %				60.2%		39.8%		64.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,049	4,614	8,663

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			17:00	16:45	16:45
AM Pk Volume			279	740	827	PM Pk Volume			690	365	1047
Pk Hr Factor			0.821	0.853	0.847	Pk Hr Factor			0.885	0.971	0.915
7 - 9 Volume	0	0	167	1243	1410	4 - 6 Volume	0	0	1219	648	1867
7 - 9 Peak Hour			07:45	07:30	07:30	4 - 6 Peak Hour			17:00	16:45	16:45
7 - 9 Pk Volume	0	0	90	740	827	4 - 6 Pk Volume	0	0	690	365	1047
Pk Hr Factor	0.000	0.000	0.833	0.853	0.847	Pk Hr Factor	0.000	0.000	0.885	0.971	0.915

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Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Ward Rd & 1000 Ft W/O Fairmount Ave

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_060

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,114	5,804	11,918

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			16		9		25		12:00			97		83		180	
00:15			10		9		19		12:15			112		93		205	
00:30			8		6		14		12:30			90		85		175	
00:45			8	42	6	30	14	72	12:45			94	393	94	355	188	748
01:00			9		8		17		13:00			93		89		182	
01:15			7		2		9		13:15			91		77		168	
01:30			9		6		15		13:30			90		77		167	
01:45			7	32	5	21	12	53	13:45			82	356	78	321	160	677
02:00			3		3		6		14:00			109		72		181	
02:15			4		3		7		14:15			105		79		184	
02:30			2		6		8		14:30			92		85		177	
02:45			3	12	3	15	6	27	14:45			107	413	80	316	187	729
03:00			5		3		8		15:00			117		87		204	
03:15			7		2		9		15:15			112		78		190	
03:30			5		6		11		15:30			133		54		187	
03:45			2	19	6	17	8	36	15:45			157	519	64	283	221	802
04:00			1		5		6		16:00			200		80		280	
04:15			5		4		9		16:15			210		90		300	
04:30			4		7		11		16:30			189		76		265	
04:45			10	20	20	36	30	56	16:45			185	784	79	325	264	1109
05:00			10		13		23		17:00			239		80		319	
05:15			11		27		38		17:15			223		78		301	
05:30			22		33		55		17:30			180		74		254	
05:45			16	59	42	115	58	174	17:45			163	805	61	293	224	1098
06:00			28		38		66		18:00			169		49		218	
06:15			30		52		82		18:15			129		69		198	
06:30			37		74		111		18:30			119		71		190	
06:45			57	152	143	307	200	459	18:45			76	493	61	250	137	743
07:00			56		126		182		19:00			82		74		156	
07:15			49		183		232		19:15			74		62		136	
07:30			72		205		277		19:30			76		58		134	
07:45			64	241	243	757	307	998	19:45			44	276	50	244	94	520
08:00			52		203		255		20:00			60		40		100	
08:15			58		178		236		20:15			48		51		99	
08:30			45		157		202		20:30			48		36		84	
08:45			47	202	186	724	233	926	20:45			40	196	38	165	78	361
09:00			55		145		200		21:00			40		26		66	
09:15			66		108		174		21:15			48		32		80	
09:30			55		88		143		21:30			36		30		66	
09:45			40	216	85	426	125	642	21:45			44	168	24	112	68	280
10:00			55		62		117		22:00			26		31		57	
10:15			65		59		124		22:15			22		21		43	
10:30			61		71		132		22:30			20		19		39	
10:45			71	252	89	281	160	533	22:45			18	86	17	88	35	174
11:00			71		68		139		23:00			18		16		34	
11:15			63		53		116		23:15			14		13		27	
11:30			96		71		167		23:30			15		9		24	
11:45			82	312	85	277	167	589	23:45			19	66	8	46	27	112
TOTALS				1559		3006		4565	TOTALS				4555		2798		7353
SPLIT %				34.2%		65.8%		38.3%	SPLIT %				61.9%		38.1%		61.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,114	5,804	11,918

AM Peak Hour			11:30	07:15	07:30	PM Peak Hour			16:30	12:15	16:30
AM Pk Volume			387	834	1075	PM Pk Volume			836	361	1149
Pk Hr Factor			0.864	0.858	0.875	Pk Hr Factor			0.874	0.960	0.900
7 - 9 Volume	0	0	443	1481	1924	4 - 6 Volume	0	0	1589	618	2207
7 - 9 Peak Hour			07:30	07:15	07:30	4 - 6 Peak Hour			16:30	16:00	16:30
7 - 9 Pk Volume	0	0	246	834	1075	4 - 6 Pk Volume	0	0	836	325	1149
Pk Hr Factor	0.000	0.000	0.854	0.858	0.875	Pk Hr Factor	0.000	0.000	0.874	0.903	0.900

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Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. Ward Rd & 1000 Ft W/O Fairmount Ave

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_060

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,142	5,590	11,732

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			17		13		30		12:00			105		75		180	
00:15			12		11		23		12:15			97		85		182	
00:30			17		15		32		12:30			94		81		175	
00:45			5	51	5	44	10	95	12:45			64	360	84	325	148	685
01:00			5		4		9		13:00			101		72		173	
01:15			4		3		7		13:15			87		81		168	
01:30			6		3		9		13:30			91		86		177	
01:45			6	21	3	13	9	34	13:45			87	366	79	318	166	684
02:00			2		8		10		14:00			106		66		172	
02:15			3		1		4		14:15			85		73		158	
02:30			0		3		3		14:30			103		81		184	
02:45			9	14	5	17	14	31	14:45			114	408	76	296	190	704
03:00			1		8		9		15:00			111		55		166	
03:15			3		5		8		15:15			105		68		173	
03:30			3		2		5		15:30			151		78		229	
03:45			2	9	5	20	7	29	15:45			131	498	76	277	207	775
04:00			3		7		10		16:00			159		61		220	
04:15			6		7		13		16:15			168		72		240	
04:30			7		6		13		16:30			212		90		302	
04:45			10	26	20	40	30	66	16:45			193	732	77	300	270	1032
05:00			11		14		25		17:00			240		77		317	
05:15			16		21		37		17:15			241		93		334	
05:30			17		34		51		17:30			189		91		280	
05:45			18	62	41	110	59	172	17:45			179	849	68	329	247	1178
06:00			25		40		65		18:00			173		62		235	
06:15			32		46		78		18:15			148		61		209	
06:30			41		94		135		18:30			128		52		180	
06:45			45	143	157	337	202	480	18:45			82	531	48	223	130	754
07:00			66		137		203		19:00			63		48		111	
07:15			63		164		227		19:15			64		49		113	
07:30			75		204		279		19:30			76		46		122	
07:45			80	284	218	723	298	1007	19:45			41	244	43	186	84	430
08:00			67		191		258		20:00			50		47		97	
08:15			52		185		237		20:15			44		56		100	
08:30			66		150		216		20:30			40		30		70	
08:45			63	248	139	665	202	913	20:45			45	179	33	166	78	345
09:00			44		125		169		21:00			60		36		96	
09:15			52		98		150		21:15			42		25		67	
09:30			53		60		113		21:30			47		30		77	
09:45			70	219	84	367	154	586	21:45			38	187	28	119	66	306
10:00			63		73		136		22:00			32		30		62	
10:15			58		72		130		22:15			27		25		52	
10:30			42		67		109		22:30			28		24		52	
10:45			52	215	61	273	113	488	22:45			19	106	14	93	33	199
11:00			69		79		148		23:00			30		17		47	
11:15			70		66		136		23:15			22		24		46	
11:30			94		65		159		23:30			10		12		22	
11:45			84	317	69	279	153	596	23:45			11	73	17	70	28	143
TOTALS				1609		2888		**4497**	**TOTALS**				4533		2702		**7235**
SPLIT %				35.8%		64.2%		**38.3%**	**SPLIT %**				62.7%		37.3%		**61.7%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,142	5,590	11,732

AM Peak Hour			11:30	07:30	**07:30**	**PM Peak Hour**			16:30	16:45	**16:30**
AM Pk Volume			380	798	**1072**	**PM Pk Volume**			886	338	**1223**
Pk Hr Factor			0.905	0.915	**0.899**	**Pk Hr Factor**			0.919	0.909	**0.915**
7 - 9 Volume	0	0	532	1388	**1920**	**4 - 6 Volume**	0	0	1581	629	**2210**
7 - 9 Peak Hour			07:15	07:30	**07:30**	**4 - 6 Peak Hour**			16:30	16:45	**16:30**
7 - 9 Pk Volume	0	0	285	798	**1072**	**4 - 6 Pk Volume**	0	0	886	338	**1223**
Pk Hr Factor	0.000	0.000	0.891	0.915	**0.899**	**Pk Hr Factor**	0.000	0.000	0.919	0.909	**0.915**

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Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. 1000 Ft W/O Fairmount Ave & Fairmount Ave

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_061

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,866	5,529	13,395

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			17		9		26		12:00			145		84		229	
00:15			13		8		21		12:15			131		92		223	
00:30			15		16		31		12:30			113		87		200	
00:45			11	56	6	39	17	95	12:45			125	514	89	352	214	866
01:00			10		8		18		13:00			132		90		222	
01:15			8		3		11		13:15			140		79		219	
01:30			9		5		14		13:30			127		74		201	
01:45			7	34	5	21	12	55	13:45			101	500	81	324	182	824
02:00			5		3		8		14:00			135		70		205	
02:15			6		3		9		14:15			116		80		196	
02:30			2		5		7		14:30			131		85		216	
02:45			3	16	3	14	6	30	14:45			143	525	76	311	219	836
03:00			7		3		10		15:00			145		87		232	
03:15			8		2		10		15:15			170		80		250	
03:30			6		6		12		15:30			155		54		209	
03:45			6	27	6	17	12	44	15:45			184	654	62	283	246	937
04:00			5		5		10		16:00			205		78		283	
04:15			9		4		13		16:15			220		91		311	
04:30			8		8		16		16:30			197		76		273	
04:45			16	38	20	37	36	75	16:45			191	813	81	326	272	1139
05:00			19		12		31		17:00			239		78		317	
05:15			23		27		50		17:15			220		78		298	
05:30			35		33		68		17:30			205		74		279	
05:45			33	110	43	115	76	225	17:45			191	855	61	291	252	1146
06:00			45		37		82		18:00			193		47		240	
06:15			52		51		103		18:15			171		71		242	
06:30			59		77		136		18:30			139		70		209	
06:45			78	234	139	304	217	538	18:45			106	609	66	254	172	863
07:00			93		127		220		19:00			117		68		185	
07:15			65		189		254		19:15			105		63		168	
07:30			87		207		294		19:30			102		57		159	
07:45			81	326	234	757	315	1083	19:45			77	401	49	237	126	638
08:00			74		158		232		20:00			79		41		120	
08:15			89		120		209		20:15			71		52		123	
08:30			66		109		175		20:30			66		34		100	
08:45			68	297	139	526	207	823	20:45			54	270	39	166	93	436
09:00			78		99		177		21:00			56		25		81	
09:15			83		93		176		21:15			82		31		113	
09:30			97		89		186		21:30			59		32		91	
09:45			78	336	75	356	153	692	21:45			59	256	23	111	82	367
10:00			74		64		138		22:00			36		31		67	
10:15			105		56		161		22:15			31		21		52	
10:30			93		71		164		22:30			37		18		55	
10:45			99	371	89	280	188	651	22:45			29	133	17	87	46	220
11:00			96		66		162		23:00			32		16		48	
11:15			86		53		139		23:15			23		12		35	
11:30			102		70		172		23:30			19		9		28	
11:45			108	392	87	276	195	668	23:45			25	99	8	45	33	144
TOTALS				2237		2742		4979	TOTALS				5629		2787		8416
SPLIT %				44.9%		55.1%		37.2%	SPLIT %				66.9%		33.1%		62.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,866	5,529	13,395

AM Peak Hour			11:45	07:15	07:15	PM Peak Hour			16:45	12:15	16:15
AM Pk Volume			497	788	1095	PM Pk Volume			855	358	1173
Pk Hr Factor			0.857	0.842	0.869	Pk Hr Factor			0.894	0.973	0.925
7 - 9 Volume	0	0	623	1283	1906	4 - 6 Volume	0	0	1668	617	2285
7 - 9 Peak Hour			07:30	07:15	07:15	4 - 6 Peak Hour			16:45	16:00	16:15
7 - 9 Pk Volume	0	0	331	788	1095	4 - 6 Pk Volume	0	0	855	326	1173
Pk Hr Factor	0.000	0.000	0.930	0.842	0.869	Pk Hr Factor	0.000	0.000	0.894	0.896	0.925

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Prepared by NDS/ATD

VOLUME

Camino Del Rio North Bet. 1000 Ft W/O Fairmount Ave & Fairmount Ave

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_061

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,982	5,561	13,543

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			24		13		37		12:00			123		79		202	
00:15			11		11		22		12:15			126		81		207	
00:30			26		15		41		12:30			121		82		203	
00:45			11	72	5	44	16	116	12:45			101	471	84	326	185	797
01:00			10		4		14		13:00			131		73		204	
01:15			5		3		8		13:15			120		78		198	
01:30			5		3		8		13:30			129		86		215	
01:45			8	28	3	13	11	41	13:45			120	500	80	317	200	817
02:00			5		8		13		14:00			138		64		202	
02:15			4		1		5		14:15			123		80		203	
02:30			4		3		7		14:30			140		80		220	
02:45			9	22	4	16	13	38	14:45			128	529	78	302	206	831
03:00			5		7		12		15:00			147		50		197	
03:15			3		5		8		15:15			136		70		206	
03:30			5		3		8		15:30			177		81		258	
03:45			2	15	5	20	7	35	15:45			155	615	72	273	227	888
04:00			4		6		10		16:00			182		61		243	
04:15			12		8		20		16:15			199		71		270	
04:30			13		7		20		16:30			209		94		303	
04:45			18	47	18	39	36	86	16:45			211	801	75	301	286	1102
05:00			16		12		28		17:00			237		77		314	
05:15			19		21		40		17:15			237		93		330	
05:30			32		33		65		17:30			219		90		309	
05:45			28	95	40	106	68	201	17:45			216	909	66	326	282	1235
06:00			43		38		81		18:00			194		59		253	
06:15			53		45		98		18:15			173		64		237	
06:30			54		96		150		18:30			170		49		219	
06:45			77	227	149	328	226	555	18:45			129	666	49	221	178	887
07:00			83		140		223		19:00			96		53		149	
07:15			86		161		247		19:15			86		44		130	
07:30			92		202		294		19:30			94		46		140	
07:45			105	366	221	724	326	1090	19:45			84	360	42	185	126	545
08:00			94		192		286		20:00			91		45		136	
08:15			78		182		260		20:15			62		56		118	
08:30			89		149		238		20:30			68		30		98	
08:45			80	341	142	665	222	1006	20:45			65	286	32	163	97	449
09:00			65		121		186		21:00			85		36		121	
09:15			87		97		184		21:15			51		27		78	
09:30			99		63		162		21:30			62		29		91	
09:45			109	360	82	363	191	723	21:45			58	256	28	120	86	376
10:00			95		73		168		22:00			43		31		74	
10:15			103		71		174		22:15			35		24		59	
10:30			78		66		144		22:30			31		24		55	
10:45			74	350	61	271	135	621	22:45			21	130	14	93	35	223
11:00			95		78		173		23:00			49		17		66	
11:15			100		66		166		23:15			31		23		54	
11:30			110		64		174		23:30			19		13		32	
11:45			110	415	67	275	177	690	23:45			22	121	17	70	39	191
TOTALS				2338		2864		5202	TOTALS				5644		2697		8341
SPLIT %				44.9%		55.1%		38.4%	SPLIT %				67.7%		32.3%		61.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	7,982	5,561	13,543

AM Peak Hour			11:45	07:30	07:30	PM Peak Hour			17:00	16:30	16:45
AM Pk Volume			480	797	1166	PM Pk Volume			909	339	1239
Pk Hr Factor			0.952	0.902	0.894	Pk Hr Factor			0.959	0.902	0.939
7 - 9 Volume	0	0	707	1389	2096	4 - 6 Volume	0	0	1710	627	2337
7 - 9 Peak Hour			07:15	07:30	07:30	4 - 6 Peak Hour			17:00	16:30	16:45
7 - 9 Pk Volume	0	0	377	797	1166	4 - 6 Pk Volume	0	0	909	339	1239
Pk Hr Factor	0.000	0.000	0.898	0.902	0.894	Pk Hr Factor	0.000	0.000	0.959	0.902	0.939

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From Hotel Circle North to 1200 Feet East of Hotel Circle North

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			13		5			12:00			55		77		
00:15			15		8			12:15			66		84		
00:30			11		4			12:30			59		98		
00:45			10	49	3	20	69	12:45			75	255	88	347	602
01:00			6		4			13:00			79		70		
01:15			10		7			13:15			77		65		
01:30			9		5			13:30			69		88		
01:45			9	34	2	18	52	13:45			63	288	95	318	606
02:00			5		2			14:00			57		70		
02:15			7		1			14:15			75		65		
02:30			2		4			14:30			83		66		
02:45			2	16	0	7	23	14:45			75	290	70	271	561
03:00			5		4			15:00			75		84		
03:15			6		4			15:15			111		98		
03:30			3		2			15:30			95		99		
03:45			4	18	2	12	30	15:45			96	377	121	402	779
04:00			4		5			16:00			124		168		
04:15			4		3			16:15			128		184		
04:30			8		8			16:30			124		215		
04:45			5	21	5	21	42	16:45			113	489	206	773	1262
05:00			4		9			17:00			131		177		
05:15			4		8			17:15			128		161		
05:30			7		8			17:30			137		155		
05:45			11	26	9	34	60	17:45			125	521	189	682	1203
06:00			21		16			18:00			125		177		
06:15			23		18			18:15			80		180		
06:30			19		28			18:30			59		111		
06:45			34	97	30	92	189	18:45			78	342	121	589	931
07:00			34		121			19:00			64		106		
07:15			40		165			19:15			53		88		
07:30			37		141			19:30			53		98		
07:45			48	159	198	625	784	19:45			59	229	77	369	598
08:00			98		181			20:00			67		84		
08:15			88		205			20:15			67		70		
08:30			68		222			20:30			64		65		
08:45			70	324	161	769	1093	20:45			52	250	66	285	535
09:00			54		155			21:00			54		51		
09:15			57		142			21:15			73		40		
09:30			47		135			21:30			49		35		
09:45			53	211	108	540	751	21:45			43	219	22	148	367
10:00			69		111			22:00			38		29		
10:15			59		88			22:15			32		20		
10:30			52		90			22:30			27		19		
10:45			57	237	80	369	606	22:45			28	125	22	90	215
11:00			63		70			23:00			33		19		
11:15			56		66			23:15			17		19		
11:30			55		70			23:30			16		14		
11:45			53	227	66	272	499	23:45			15	81	11	63	144
Total Vol.				1419		2779	**4198**					3466		4337	**7803**

Daily Totals

NB	SB	EB	WB	Combined
		4885	7116	**12001**

	AM			PM		
Split %	33.8%	66.2%	**35.0%**	44.4%	55.6%	**65.0%**
Peak Hour	08:00	07:45	**07:45**	17:00	16:15	**16:15**
Volume	324	806	**1108**	521	782	**1278**
P.H.F.	0.83	0.91	**0.95**	0.95	0.91	**0.94**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From Hotel Circle North to 1200 Feet East of Hotel Circle North

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			15		5			12:00			60		77		
00:15			13		5			12:15			54		84		
00:30			12		8			12:30			63		81		
00:45			12	52	3	21	73	12:45			63	240	88	330	570
01:00			10		4			13:00			83		50		
01:15			5		6			13:15			72		95		
01:30			6		5			13:30			62		88		
01:45			6	27	5	20	47	13:45			62	279	84	317	596
02:00			3		3			14:00			60		66		
02:15			3		5			14:15			70		70		
02:30			5		3			14:30			73		95		
02:45			3	14	1	12	26	14:45			102	305	88	319	624
03:00			7		2			15:00			76		105		
03:15			3		4			15:15			116		121		
03:30			4		3			15:30			109		144		
03:45			6	20	7	16	36	15:45			139	440	135	505	945
04:00			2		3			16:00			114		168		
04:15			3		6			16:15			108		177		
04:30			6		12			16:30			121		215		
04:45			5	16	5	26	42	16:45			148	491	198	758	1249
05:00			7		15			17:00			126		162		
05:15			9		4			17:15			131		184		
05:30			9		13			17:30			141		188		
05:45			19	44	21	53	97	17:45			133	531	205	739	1270
06:00			21		16			18:00			116		184		
06:15			22		19			18:15			82		151		
06:30			23		34			18:30			59		105		
06:45			35	101	32	101	202	18:45			83	340	88	528	868
07:00			40		118			19:00			71		95		
07:15			40		150			19:15			71		70		
07:30			77		144			19:30			79		65		
07:45			78	235	198	610	845	19:45			58	279	66	296	575
08:00			61		168			20:00			80		44		
08:15			105		205			20:15			63		32		
08:30			60		241			20:30			58		35		
08:45			88	314	151	765	1079	20:45			54	255	29	140	395
09:00			67		165			21:00			61		30		
09:15			56		135			21:15			42		20		
09:30			65		144			21:30			53		21		
09:45			51	239	121	565	804	21:45			39	195	29	100	295
10:00			58		108			22:00			43		16		
10:15			42		88			22:15			43		26		
10:30			59		95			22:30			27		12		
10:45			55	214	77	368	582	22:45			37	150	6	60	210
11:00			44		65			23:00			39		14		
11:15			52		80			23:15			28		9		
11:30			53		55			23:30			18		7		
11:45			47	196	48	248	444	23:45			13	98	15	45	143
Total Vol.			1472		2805		**4277**				3603		4137		**7740**

	AM			PM		
				Daily Totals		
	NB	SB	EB	WB		**Combined**
			5075	6942		**12017**
Split %	34.4%	65.6%	**35.6%**	46.6%	53.4%	**64.4%**
Peak Hour	07:30	07:45	**07:45**	16:45	17:15	**16:30**
Volume	321	812	**1116**	546	761	**1285**
P.H.F.	0.76	0.84	**0.90**	0.92	0.93	**0.93**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From 1200 Feet East of Hotel Circle North to I-8 EB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			14		8			12:00			59		45		
00:15			7		6			12:15			70		48		
00:30			6		4			12:30			70		34		
00:45			12	39	5	23	62	12:45			54	253	65	192	445
01:00			8		12			13:00			84		70		
01:15			5		7			13:15			85		88		
01:30			10		5			13:30			73		70		
01:45			7	30	6	30	60	13:45			75	317	68	296	613
02:00			4		8			14:00			63		55		
02:15			11		3			14:15			65		65		
02:30			4		2			14:30			82		70		
02:45			6	25	4	17	42	14:45			73	283	98	288	571
03:00			4		3			15:00			70		88		
03:15			7		2			15:15			105		105		
03:30			7		1			15:30			107		126		
03:45			4	22	4	10	32	15:45			106	388	144	463	851
04:00			9		3			16:00			91		189		
04:15			6		2			16:15			88		215		
04:30			7		3			16:30			70		222		
04:45			9	31	4	12	43	16:45			84	333	226	852	1185
05:00			9		3			17:00			121		205		
05:15			14		8			17:15			132		189		
05:30			8		8			17:30			105		215		
05:45			14	45	15	34	79	17:45			98	456	222	831	1287
06:00			20		8			18:00			106		184		
06:15			23		19			18:15			94		180		
06:30			39		18			18:30			67		144		
06:45			45	127	40	85	212	18:45			84	351	121	629	980
07:00			55		121			19:00			72		111		
07:15			51		138			19:15			63		98		
07:30			68		188			19:30			64		88		
07:45			111	285	174	621	906	19:45			53	252	70	367	619
08:00			95		162			20:00			60		65		
08:15			88		184			20:15			60		55		
08:30			60		212			20:30			44		41		
08:45			101	344	144	702	1046	20:45			49	213	36	197	410
09:00			74		128			21:00			61		56		
09:15			68		135			21:15			39		39		
09:30			63		108			21:30			40		44		
09:45			59	264	88	459	723	21:45			50	190	31	170	360
10:00			90		98			22:00			42		44		
10:15			69		70			22:15			39		27		
10:30			70		65			22:30			39		29		
10:45			63	292	88	321	613	22:45			20	140	19	119	259
11:00			75		87			23:00			43		17		
11:15			68		65			23:15			35		12		
11:30			73		44			23:30			20		20		
11:45			67	283	51	247	530	23:45			18	116	14	63	179
Total Vol.				1787		2561	**4348**					3292		4467	**7759**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			5079	7028	**12107**

	AM			**PM**		
Split %	41.1%	58.9%	**35.9%**	42.4%	57.6%	**64.1%**
Peak Hour	07:30	07:45	**07:45**	17:00	16:15	**17:00**
Volume	362	732	**1086**	456	868	**1287**
P.H.F.	0.82	0.86	**0.95**	0.86	0.96	**0.99**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From 1200 Feet East of Hotel Circle North to I-8 EB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			19		11			12:00			83		84		
00:15			10		11			12:15			72		66		
00:30			16		12			12:30			70		80		
00:45			10	55	10	44	99	12:45			85	310	84	314	624
01:00			8		5			13:00			84		84		
01:15			9		10			13:15			70		66		
01:30			10		4			13:30			65		84		
01:45			2	29	7	26	55	13:45			65	284	70	304	588
02:00			5		9			14:00			59		88		
02:15			4		2			14:15			65		65		
02:30			5		5			14:30			85		98		
02:45			4	18	2	18	36	14:45			89	298	88	339	637
03:00			4		3			15:00			86		103		
03:15			7		1			15:15			65		151		
03:30			2		4			15:30			65		177		
03:45			8	21	7	15	36	15:45			77	293	160	591	884
04:00			6		3			16:00			90		184		
04:15			4		2			16:15			88		215		
04:30			12		3			16:30			91		206		
04:45			5	27	2	10	37	16:45			88	357	223	828	1185
05:00			13		8			17:00			168		200		
05:15			13		7			17:15			95		189		
05:30			22		17			17:30			88		212		
05:45			19	67	19	51	118	17:45			105	456	206	807	1263
06:00			29		14			18:00			114		184		
06:15			39		15			18:15			70		161		
06:30			55		28			18:30			72		177		
06:45			39	162	31	88	250	18:45			87	343	184	706	1049
07:00			43		105			19:00			66		151		
07:15			70		131			19:15			68		106		
07:30			58		188			19:30			66		66		
07:45			105	276	165	589	865	19:45			60	260	88	411	671
08:00			80		184			20:00			85		81		
08:15			88		177			20:15			55		91		
08:30			65		205			20:30			65		65		
08:45			98	331	131	697	1028	20:45			46	251	55	292	543
09:00			63		111			21:00			64		40		
09:15			84		105			21:15			52		35		
09:30			69		88			21:30			46		44		
09:45			61	277	98	402	679	21:45			36	198	47	166	364
10:00			64		70			22:00			45		36		
10:15			47		65			22:15			39		25		
10:30			63		88			22:30			34		24		
10:45			62	236	70	293	529	22:45			39	157	21	106	263
11:00			67		54			23:00			28		21		
11:15			88		99			23:15			43		16		
11:30			63		68			23:30			22		17		
11:45			60	278	77	298	576	23:45			22	115	21	75	190
Total Vol.				1777		2531	**4308**					3322		4939	**8261**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			5099	7470	**12569**

	AM			**PM**		
Split %	41.2%	58.8%	**34.3%**	40.2%	59.8%	**65.7%**
Peak Hour	07:45	07:45	**07:45**	17:00	16:15	**16:15**
Volume	338	731	**1069**	456	844	**1279**
P.H.F.	0.80	0.89	**0.99**	0.68	0.95	**0.87**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From I-8 EB Ramps to Bachman Place

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			18		34			12:00			73		185		
00:15			9		32			12:15			101		156		
00:30			10		11			12:30			86		134		
00:45			11	48	20	97	145	12:45			88	348	165	640	988
01:00			6		25			13:00			109		172		
01:15			5		18			13:15			107		173		
01:30			6		12			13:30			92		165		
01:45			8	25	17	72	97	13:45			109	417	151	661	1078
02:00			5		14			14:00			70		191		
02:15			6		6			14:15			87		176		
02:30			2		5			14:30			87		191		
02:45			6	19	8	33	52	14:45			95	339	161	719	1058
03:00			5		11			15:00			83		207		
03:15			6		7			15:15			91		217		
03:30			6		13			15:30			67		227		
03:45			3	20	6	37	57	15:45			67	308	188	839	1147
04:00			8		12			16:00			87		257		
04:15			5		11			16:15			68		247		
04:30			6		15			16:30			84		258		
04:45			5	24	14	52	76	16:45			68	307	301	1063	1370
05:00			8		23			17:00			89		279		
05:15			14		27			17:15			91		290		
05:30			12		23			17:30			76		229		
05:45			29	63	49	122	185	17:45			102	358	226	1024	1382
06:00			18		50			18:00			97		248		
06:15			37		53			18:15			82		213		
06:30			56		78			18:30			79		194		
06:45			71	182	91	272	454	18:45			104	362	199	854	1216
07:00			57		147			19:00			67		190		
07:15			67		146			19:15			82		186		
07:30			66		192			19:30			73		233		
07:45			94	284	188	673	957	19:45			69	291	170	779	1070
08:00			79		163			20:00			68		162		
08:15			84		121			20:15			69		180		
08:30			71		150			20:30			45		118		
08:45			81	315	155	589	904	20:45			48	230	100	560	790
09:00			64		150			21:00			48		138		
09:15			61		112			21:15			42		132		
09:30			66		111			21:30			31		111		
09:45			74	265	122	495	760	21:45			39	160	107	488	648
10:00			99		114			22:00			60		124		
10:15			81		132			22:15			34		71		
10:30			84		102			22:30			22		78		
10:45			67	331	135	483	814	22:45			22	138	68	341	479
11:00			90		149			23:00			33		76		
11:15			90		131			23:15			27		62		
11:30			74		111			23:30			15		55		
11:45			88	342	137	528	870	23:45			13	88	33	226	314
Total Vol.			1918		3453		**5371**				3346		8194		**11540**

Daily Totals

NB	SB	EB	WB	Combined
		5264	11647	**16911**

	AM			PM		
Split %	35.7%	64.3%	**31.8%**	29.0%	71.0%	**68.2%**
Peak Hour	11:45	07:15	**07:15**	13:00	16:30	**16:30**
Volume	348	689	**995**	417	1128	**1460**
P.H.F.	0.86	0.90	**0.88**	0.96	0.94	**0.96**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From I-8 EB Ramps to Bachman Place

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			18		35			12:00			100		172		
00:15			12		40			12:15			95		170		
00:30			14		29			12:30			104		162		
00:45			10	54	21	125	179	12:45			90	389	152	656	1045
01:00			8		23			13:00			92		196		
01:15			6		15			13:15			103		176		
01:30			8		17			13:30			104		178		
01:45			4	26	14	69	95	13:45			105	404	174	724	1128
02:00			6		15			14:00			76		208		
02:15			6		13			14:15			83		177		
02:30			4		8			14:30			80		238		
02:45			6	22	5	41	63	14:45			102	341	218	841	1182
03:00			5		13			15:00			83		203		
03:15			5		13			15:15			98		229		
03:30			2		6			15:30			84		238		
03:45			4	16	15	47	63	15:45			88	353	256	926	1279
04:00			4		9			16:00			80		231		
04:15			5		10			16:15			88		225		
04:30			5		18			16:30			70		298		
04:45			7	21	15	52	73	16:45			91	329	235	989	1318
05:00			13		23			17:00			98		205		
05:15			11		32			17:15			91		219		
05:30			16		46			17:30			98		202		
05:45			23	63	47	148	211	17:45			105	392	208	834	1226
06:00			30		58			18:00			112		216		
06:15			43		74			18:15			88		186		
06:30			49		81			18:30			98		215		
06:45			70	192	96	309	501	18:45			115	413	227	844	1257
07:00			58		90			19:00			60		192		
07:15			51		121			19:15			74		186		
07:30			77		168			19:30			73		204		
07:45			115	301	158	537	838	19:45			78	285	186	768	1053
08:00			81		151			20:00			72		157		
08:15			90		218			20:15			66		130		
08:30			80		209			20:30			61		117		
08:45			105	356	141	719	1075	20:45			47	246	133	537	783
09:00			86		143			21:00			60		125		
09:15			72		149			21:15			44		130		
09:30			70		138			21:30			65		134		
09:45			63	291	115	545	836	21:45			36	205	110	499	704
10:00			77		127			22:00			23		91		
10:15			71		147			22:15			39		102		
10:30			78		140			22:30			33		92		
10:45			83	309	136	550	859	22:45			29	124	75	360	484
11:00			75		126			23:00			33		74		
11:15			94		127			23:15			24		67		
11:30			81		130			23:30			19		67		
11:45			91	341	150	533	874	23:45			21	97	52	260	357
Total Vol.			1992		3675		**5667**				3578		8238		**11816**

Daily Totals

NB	SB	EB	WB	Combined
		5570	11913	**17483**

	AM			PM		
Split %	35.2%	64.8%	**32.4%**	30.3%	69.7%	**67.6%**
Peak Hour	11:45	07:45	**07:45**	18:00	15:45	**15:45**
Volume	390	736	**1102**	413	1010	**1336**
P.H.F.	0.94	0.84	**0.89**	0.90	0.85	**0.91**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From Bachman Place to Hotel Circle North

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			12		28			12:00			70		141		
00:15			9		33			12:15			94		155		
00:30			12		12			12:30			94		135		
00:45			8	41	18	91	132	12:45			91	349	141	572	921
01:00			6		21			13:00			105		121		
01:15			8		20			13:15			111		165		
01:30			5		14			13:30			106		151		
01:45			4	23	16	71	94	13:45			98	420	148	585	1005
02:00			6		12			14:00			94		125		
02:15			5		8			14:15			81		151		
02:30			4		7			14:30			70		141		
02:45			6	21	7	34	55	14:45			84	329	128	545	874
03:00			2		10			15:00			88		131		
03:15			6		8			15:15			95		143		
03:30			5		11			15:30			66		151		
03:45			4	17	7	36	53	15:45			68	317	142	567	884
04:00			8		10			16:00			108		161		
04:15			7		12			16:15			111		184		
04:30			5		13			16:30			116		213		
04:45			6	26	15	50	76	16:45			148	483	205	763	1246
05:00			8		21			17:00			121		165		
05:15			12		28			17:15			138		184		
05:30			13		24			17:30			131		184		
05:45			22	55	44	117	172	17:45			142	532	206	739	1271
06:00			24		51			18:00			115		202		
06:15			31		55			18:15			126		184		
06:30			50		70			18:30			103		161		
06:45			66	171	99	275	446	18:45			121	465	184	731	1196
07:00			50		121			19:00			88		151		
07:15			48		162			19:15			95		162		
07:30			70		158			19:30			84		184		
07:45			78	246	191	632	878	19:45			91	358	151	648	1006
08:00			61		184			20:00			65		125		
08:15			105		206			20:15			77		135		
08:30			68		244			20:30			84		88		
08:45			81	315	160	794	1109	20:45			65	291	70	418	709
09:00			61		141			21:00			55		98		
09:15			60		128			21:15			54		105		
09:30			61		106			21:30			35		88		
09:45			88	270	121	496	766	21:45			42	186	70	361	547
10:00			91		115			22:00			88		65		
10:15			80		131			22:15			65		66		
10:30			77		118			22:30			45		42		
10:45			68	316	141	505	821	22:45			35	233	35	208	441
11:00			84		140			23:00			42		44		
11:15			81		128			23:15			21		51		
11:30			84		122			23:30			15		40		
11:45			81	330	131	521	851	23:45			19	97	28	163	260
Total Vol.			1831		3622		**5453**				4060		6300		**10360**

Daily Totals

NB	SB	EB	WB	Combined
		5891	9922	**15813**

	AM			PM		
Split %	33.6%	66.4%	**34.5%**	39.2%	60.8%	**65.5%**
Peak Hour	11:45	07:45	**07:45**	16:45	17:15	**17:15**
Volume	339	825	**1137**	538	776	**1302**
P.H.F.	0.90	0.85	**0.91**	0.91	0.94	**0.94**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Hotel Circle South, From Bachman Place to Hotel Circle North

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			11		21			12:00			81		131		
00:15			18		30			12:15			70		158		
00:30			9		15			12:30			66		125		
00:45			12	50	18	84	134	12:45			68	285	144	558	843
01:00			5		22			13:00			78		118		
01:15			6		26			13:15			95		141		
01:30			8		21			13:30			88		158		
01:45			7	26	18	87	113	13:45			95	356	165	582	938
02:00			9		20			14:00			105		114		
02:15			5		11			14:15			84		105		
02:30			4		8			14:30			70		125		
02:45			5	23	9	48	71	14:45			88	347	126	470	817
03:00			6		5			15:00			84		138		
03:15			9		4			15:15			95		128		
03:30			8		8			15:30			77		168		
03:45			9	32	9	26	58	15:45			84	340	151	585	925
04:00			5		10			16:00			105		188		
04:15			4		10			16:15			121		184		
04:30			6		11			16:30			116		216		
04:45			9	24	15	46	70	16:45			121	463	205	793	1256
05:00			10		18			17:00			142		223		
05:15			5		21			17:15			144		208		
05:30			15		25			17:30			151		184		
05:45			18	48	33	97	145	17:45			125	562	191	806	1368
06:00			22		45			18:00			115		165		
06:15			26		51			18:15			108		174		
06:30			41		88			18:30			98		178		
06:45			55	144	81	265	409	18:45			105	426	151	668	1094
07:00			51		114			19:00			111		124		
07:15			68		151			19:15			88		135		
07:30			70		168			19:30			70		145		
07:45			84	273	155	588	861	19:45			65	334	144	548	882
08:00			88		195			20:00			77		128		
08:15			105		215			20:15			84		105		
08:30			88		205			20:30			84		116		
08:45			70	351	195	810	1161	20:45			84	329	88	437	766
09:00			66		161			21:00			65		95		
09:15			54		151			21:15			40		70		
09:30			48		141			21:30			35		68		
09:45			88	256	111	564	820	21:45			33	173	77	310	483
10:00			70		105			22:00			32		84		
10:15			65		141			22:15			28		65		
10:30			77		125			22:30			26		35		
10:45			84	296	125	496	792	22:45			30	116	32	216	332
11:00			81		135			23:00			25		28		
11:15			98		111			23:15			20		21		
11:30			65		128			23:30			18		33		
11:45			77	321	114	488	809	23:45			15	78	32	114	192
Total Vol.			1844		3599		**5443**				3809		6087		**9896**

Daily Totals

NB	SB	EB	WB	Combined
		5653	9686	**15339**

	AM			PM		
Split %	33.9%	66.1%	**35.5%**	38.5%	61.5%	**64.5%**
Peak Hour	07:45	08:00	**08:00**	17:00	16:30	**16:45**
Volume	365	810	**1161**	562	852	**1378**
P.H.F.	0.87	0.94	**0.91**	0.93	0.96	**0.94**

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Western Terminus & 1800 Ft W/O Mission Center Rd

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_066

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,551	3,461	7,012

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			8		7		15		12:00			62		53		115	
00:15			8		6		14		12:15			75		59		134	
00:30			6		6		12		12:30			55		50		105	
00:45			7	29	5	24	12	53	12:45			50	242	68	230	118	472
01:00			10		4		14		13:00			60		58		118	
01:15			7		7		14		13:15			67		64		131	
01:30			19		5		24		13:30			48		56		104	
01:45			5	41	2	18	7	59	13:45			48	223	54	232	102	455
02:00			5		0		5		14:00			58		57		115	
02:15			1		4		5		14:15			54		39		93	
02:30			3		2		5		14:30			54		54		108	
02:45			2	11	3	9	5	20	14:45			67	233	53	203	120	436
03:00			0		2		2		15:00			55		47		102	
03:15			2		4		6		15:15			82		55		137	
03:30			1		0		1		15:30			66		58		124	
03:45			2	5	2	8	4	13	15:45			69	272	65	225	134	497
04:00			1		2		3		16:00			89		45		134	
04:15			0		0		0		16:15			75		46		121	
04:30			2		5		7		16:30			82		65		147	
04:45			4	7	2	9	6	16	16:45			110	356	66	222	176	578
05:00			3		9		12		17:00			132		53		185	
05:15			3		10		13		17:15			71		56		127	
05:30			7		9		16		17:30			76		63		139	
05:45			14	27	14	42	28	69	17:45			65	344	60	232	125	576
06:00			14		30		44		18:00			68		43		111	
06:15			7		41		48		18:15			57		45		102	
06:30			15		40		55		18:30			51		58		109	
06:45			15	51	37	148	52	199	18:45			54	230	49	195	103	425
07:00			12		46		58		19:00			60		56		116	
07:15			20		66		86		19:15			57		37		94	
07:30			18		93		111		19:30			36		41		77	
07:45			28	78	110	315	138	393	19:45			52	205	43	177	95	382
08:00			34		82		116		20:00			56		44		100	
08:15			39		62		101		20:15			26		29		55	
08:30			46		53		99		20:30			29		30		59	
08:45			29	148	61	258	90	406	20:45			27	138	22	125	49	263
09:00			37		40		77		21:00			37		22		59	
09:15			47		56		103		21:15			30		23		53	
09:30			43		33		76		21:30			26		23		49	
09:45			36	163	53	182	89	345	21:45			21	114	25	93	46	207
10:00			39		40		79		22:00			27		28		55	
10:15			49		45		94		22:15			26		15		41	
10:30			43		58		101		22:30			32		12		44	
10:45			65	196	54	197	119	393	22:45			27	112	23	78	50	190
11:00			60		35		95		23:00			11		17		28	
11:15			57		49		106		23:15			17		9		26	
11:30			62		54		116		23:30			20		14		34	
11:45			85	264	52	190	137	454	23:45			14	62	9	49	23	111
TOTALS				1020		1400		2420	TOTALS				2531		2061		4592
SPLIT %				42.1%		57.9%		34.5%	SPLIT %				55.1%		44.9%		65.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,551	3,461	7,012

AM Peak Hour			11:30	07:15	11:30	PM Peak Hour			16:15	12:45	16:30
AM Pk Volume			284	351	502	PM Pk Volume			399	246	635
Pk Hr Factor			0.835	0.798	0.916	Pk Hr Factor			0.756	0.904	0.858
7 - 9 Volume	0	0	226	573	799	4 - 6 Volume	0	0	700	454	1154
7 - 9 Peak Hour			08:00	07:15	07:30	4 - 6 Peak Hour			16:15	16:30	16:30
7 - 9 Pk Volume	0	0	148	351	466	4 - 6 Pk Volume	0	0	399	240	635
Pk Hr Factor	0.000	0.000	0.804	0.798	0.844	Pk Hr Factor	0.000	0.000	0.756	0.909	0.858

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Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Western Terminus & 1800 Ft W/O Mission Center Rd

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_066

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,957	3,693	7,650

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			12		5		17		12:00			56		61		117	
00:15			11		3		14		12:15			82		84		166	
00:30			10		4		14		12:30			81		61		142	
00:45			6	39	3	15	9	54	12:45			59	278	50	256	109	534
01:00			11		5		16		13:00			74		66		140	
01:15			4		6		10		13:15			76		56		132	
01:30			2		2		4		13:30			60		52		112	
01:45			4	21	4	17	8	38	13:45			69	279	51	225	120	504
02:00			6		1		7		14:00			72		60		132	
02:15			2		0		2		14:15			66		60		126	
02:30			2		5		7		14:30			64		71		135	
02:45			4	14	1	7	5	21	14:45			88	290	60	251	148	541
03:00			3		5		8		15:00			73		50		123	
03:15			3		3		6		15:15			83		46		129	
03:30			3		3		6		15:30			81		64		145	
03:45			2	11	3	14	5	25	15:45			77	314	62	222	139	536
04:00			1		4		5		16:00			86		53		139	
04:15			2		0		2		16:15			82		70		152	
04:30			2		7		9		16:30			85		56		141	
04:45			5	10	2	13	7	23	16:45			115	368	59	238	174	606
05:00			2		4		6		17:00			130		65		195	
05:15			4		8		12		17:15			94		49		143	
05:30			10		8		18		17:30			72		75		147	
05:45			15	31	25	45	40	76	17:45			82	378	56	245	138	623
06:00			16		26		42		18:00			70		56		126	
06:15			14		43		57		18:15			52		57		109	
06:30			23		40		63		18:30			68		55		123	
06:45			22	75	64	173	86	248	18:45			50	240	54	222	104	462
07:00			18		54		72		19:00			46		41		87	
07:15			27		47		74		19:15			41		33		74	
07:30			27		94		121		19:30			39		42		81	
07:45			35	107	111	306	146	413	19:45			46	172	43	159	89	331
08:00			33		90		123		20:00			51		39		90	
08:15			35		61		96		20:15			58		43		101	
08:30			51		65		116		20:30			52		37		89	
08:45			44	163	69	285	113	448	20:45			45	206	35	154	80	360
09:00			48		41		89		21:00			47		29		76	
09:15			56		59		115		21:15			23		32		55	
09:30			48		57		105		21:30			35		25		60	
09:45			48	200	51	208	99	408	21:45			33	138	17	103	50	241
10:00			67		45		112		22:00			22		25		47	
10:15			48		53		101		22:15			20		16		36	
10:30			46		61		107		22:30			27		17		44	
10:45			51	212	51	210	102	422	22:45			36	105	7	65	43	170
11:00			50		37		87		23:00			24		25		49	
11:15			40		47		87		23:15			16		22		38	
11:30			75		52		127		23:30			13		7		20	
11:45			77	242	65	201	142	443	23:45			11	64	5	59	16	123
TOTALS				1125		1494		**2619**	**TOTALS**				2832		2199		**5031**
SPLIT %				43.0%		57.0%		**34.2%**	**SPLIT %**				56.3%		43.7%		**65.8%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,957	3,693	7,650

AM Peak Hour			11:45	07:30	**11:45**	**PM Peak Hour**			16:30	12:15	**16:15**
AM Pk Volume			296	356	**567**	**PM Pk Volume**			424	261	**662**
Pk Hr Factor			0.902	0.802	**0.854**	**Pk Hr Factor**			0.815	0.777	**0.849**
7 - 9 Volume	0	0	270	591	**861**	**4 - 6 Volume**	0	0	746	483	**1229**
7 - 9 Peak Hour			08:00	07:30	**07:30**	**4 - 6 Peak Hour**			16:30	16:15	**16:15**
7 - 9 Pk Volume	0	0	163	356	**486**	**4 - 6 Pk Volume**	0	0	424	250	**662**
Pk Hr Factor	0.000	0.000	0.799	0.802	**0.832**	**Pk Hr Factor**	0.000	0.000	0.815	0.893	**0.849**

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. 1800 Ft W/O Mission Center Rd & Mission Center Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_067

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,822	2,864	6,686

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			4		1		5		12:00			52		45		97	
00:15			0		1		1		12:15			54		64		118	
00:30			4		0		4		12:30			74		71		145	
00:45			0	8	2	4	2	12	12:45			52	232	64	244	116	476
01:00			1		1		2		13:00			75		47		122	
01:15			3		0		3		13:15			63		44		107	
01:30			2		2		4		13:30			54		52		106	
01:45			1	7	0	3	1	10	13:45			59	251	47	190	106	441
02:00			0		0		0		14:00			61		41		102	
02:15			0		0		0		14:15			67		44		111	
02:30			1		0		1		14:30			66		45		111	
02:45			1	2	0		1	2	14:45			78	272	56	186	134	458
03:00			1		2		3		15:00			74		47		121	
03:15			0		1		1		15:15			76		43		119	
03:30			2		0		2		15:30			103		72		175	
03:45			0	3	2	5	2	8	15:45			124	377	49	211	173	588
04:00			0		0		0		16:00			116		56		172	
04:15			3		1		4		16:15			99		41		140	
04:30			2		3		5		16:30			154		68		222	
04:45			0	5	4	8	4	13	16:45			146	515	51	216	197	731
05:00			2		8		10		17:00			124		53		177	
05:15			0		6		6		17:15			162		57		219	
05:30			2		9		11		17:30			144		45		189	
05:45			5	9	13	36	18	45	17:45			94	524	57	212	151	736
06:00			7		15		22		18:00			86		43		129	
06:15			10		17		27		18:15			67		31		98	
06:30			18		25		43		18:30			76		26		102	
06:45			26	61	39	96	65	157	18:45			55	284	43	143	98	427
07:00			31		41		72		19:00			43		22		65	
07:15			33		65		98		19:15			43		34		77	
07:30			34		71		105		19:30			31		27		58	
07:45			40	138	70	247	110	385	19:45			36	153	10	93	46	246
08:00			31		72		103		20:00			33		13		46	
08:15			57		65		122		20:15			22		15		37	
08:30			35		80		115		20:30			19		19		38	
08:45			36	159	73	290	109	449	20:45			30	104	20	67	50	171
09:00			43		59		102		21:00			24		25		49	
09:15			49		52		101		21:15			17		12		29	
09:30			43		37		80		21:30			17		8		25	
09:45			38	173	52	200	90	373	21:45			13	71	3	48	16	119
10:00			33		34		67		22:00			12		7		19	
10:15			43		35		78		22:15			11		7		18	
10:30			61		50		111		22:30			10		4		14	
10:45			41	178	29	148	70	326	22:45			5	38	5	23	10	61
11:00			40		44		84		23:00			9		1		10	
11:15			61		44		105		23:15			7		0		7	
11:30			69		43		112		23:30			2		1		3	
11:45			65	235	57	188	122	423	23:45			5	23	4	6	9	29
TOTALS				978		1225		2203	TOTALS				2844		1639		4483
SPLIT %				44.4%		55.6%		32.9%	SPLIT %				63.4%		36.6%		67.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,822	2,864	6,686

AM Peak Hour			11:15	08:00	11:45	PM Peak Hour			16:30	12:15	16:30
AM Pk Volume			247	290	482	PM Pk Volume			586	246	815
Pk Hr Factor			0.895	0.906	0.831	Pk Hr Factor			0.904	0.866	0.918
7 - 9 Volume	0	0	297	537	834	4 - 6 Volume	0	0	1039	428	1467
7 - 9 Peak Hour			07:45	08:00	07:45	4 - 6 Peak Hour			16:30	16:30	16:30
7 - 9 Pk Volume	0	0	163	290	450	4 - 6 Pk Volume	0	0	586	229	815
Pk Hr Factor	0.000	0.000	0.715	0.906	0.922	Pk Hr Factor	0.000	0.000	0.904	0.842	0.918

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. 1800 Ft W/O Mission Center Rd & Mission Center Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_067

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,936	3,111	7,047

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			1		5		6		12:00			66		59		125	
00:15			3		1		4		12:15			71		71		142	
00:30			8		0		8		12:30			85		54		139	
00:45			4	16	7	13	11	29	12:45			82	304	43	227	125	531
01:00			1		1		2		13:00			78		48		126	
01:15			2		2		4		13:15			74		47		121	
01:30			1		0		1		13:30			89		49		138	
01:45			1	5	0	3	1	8	13:45			101	342	61	205	162	547
02:00			1		2		3		14:00			76		43		119	
02:15			1		1		2		14:15			67		52		119	
02:30			1		1		2		14:30			60		48		108	
02:45			2	5	1	5	3	10	14:45			87	290	49	192	136	482
03:00			1		0		1		15:00			91		47		138	
03:15			1		2		3		15:15			79		67		146	
03:30			0		0		0		15:30			69		51		120	
03:45			0	2	1	3	1	5	15:45			95	334	57	222	152	556
04:00			0		0		0		16:00			76		61		137	
04:15			1		1		2		16:15			110		41		151	
04:30			3		7		10		16:30			104		56		160	
04:45			5	9	3	11	8	20	16:45			128	418	59	217	187	635
05:00			8		4		12		17:00			111		64		175	
05:15			5		9		14		17:15			109		50		159	
05:30			1		7		8		17:30			139		38		177	
05:45			3	17	15	35	18	52	17:45			99	458	42	194	141	652
06:00			5		15		20		18:00			82		31		113	
06:15			4		17		21		18:15			73		32		105	
06:30			17		21		38		18:30			58		29		87	
06:45			27	53	49	102	76	155	18:45			50	263	20	112	70	375
07:00			39		49		88		19:00			37		33		70	
07:15			38		58		96		19:15			40		24		64	
07:30			30		61		91		19:30			26		26		52	
07:45			47	154	64	232	111	386	19:45			33	136	34	117	67	253
08:00			46		64		110		20:00			23		26		49	
08:15			46		75		121		20:15			35		23		58	
08:30			41		86		127		20:30			29		12		41	
08:45			54	187	86	311	140	498	20:45			12	99	11	72	23	171
09:00			45		77		122		21:00			30		16		46	
09:15			41		55		96		21:15			21		18		39	
09:30			39		62		101		21:30			25		8		33	
09:45			46	171	81	275	127	446	21:45			22	98	13	55	35	153
10:00			51		65		116		22:00			8		12		20	
10:15			41		62		103		22:15			13		9		22	
10:30			58		46		104		22:30			12		5		17	
10:45			62	212	49	222	111	434	22:45			13	46	8	34	21	80
11:00			48		45		93		23:00			13		2		15	
11:15			73		54		127		23:15			7		7		14	
11:30			87		72		159		23:30			9		7		16	
11:45			71	279	61	232	132	511	23:45			9	38	4	20	13	58
TOTALS				1110		1444		2554	TOTALS				2826		1667		4493
SPLIT %				43.5%		56.5%		36.2%	SPLIT %				62.9%		37.1%		63.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,936	3,111	7,047

AM Peak Hour			11:15	08:15	11:30	PM Peak Hour			16:45	15:15	16:45
AM Pk Volume			297	324	558	PM Pk Volume			487	236	698
Pk Hr Factor			0.853	0.942	0.877	Pk Hr Factor			0.876	0.881	0.933
7 - 9 Volume	0	0	341	543	884	4 - 6 Volume	0	0	876	411	1287
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:45	16:30	16:45
7 - 9 Pk Volume	0	0	187	311	498	4 - 6 Pk Volume	0	0	487	229	698
Pk Hr Factor	0.000	0.000	0.866	0.904	0.889	Pk Hr Factor	0.000	0.000	0.876	0.895	0.933

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Mission Center Rd & Texas St

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_068

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,305	3,297	7,602

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			4		2		6		12:00			71		48		119	
00:15			3		2		5		12:15			65		58		123	
00:30			1		5		6		12:30			65		53		118	
00:45			3	11	1	10	4	21	12:45			67	268	62	221	129	489
01:00			5		3		8		13:00			84		56		140	
01:15			3		3		6		13:15			61		55		116	
01:30			2		0		2		13:30			59		58		117	
01:45			1	11	0	6	1	17	13:45			62	266	72	241	134	507
02:00			0		0		0		14:00			71		48		119	
02:15			0		2		2		14:15			85		69		154	
02:30			0		0		0		14:30			100		50		150	
02:45			1	1	1	3	2	4	14:45			54	310	44	211	98	521
03:00			0		0		0		15:00			68		55		123	
03:15			1		1		2		15:15			75		39		114	
03:30			0		1		1		15:30			103		44		147	
03:45			0	1	0	2	0	3	15:45			180	426	49	187	229	613
04:00			1		2		3		16:00			177		45		222	
04:15			1		4		5		16:15			179		42		221	
04:30			0		2		2		16:30			172		52		224	
04:45			2	4	5	13	7	17	16:45			136	664	64	203	200	867
05:00			0		7		7		17:00			155		82		237	
05:15			1		5		6		17:15			123		68		191	
05:30			4		6		10		17:30			104		60		164	
05:45			9	14	11	29	20	43	17:45			128	510	61	271	189	781
06:00			4		11		15		18:00			106		46		152	
06:15			6		18		24		18:15			85		36		121	
06:30			5		26		31		18:30			60		41		101	
06:45			9	24	42	97	51	121	18:45			45	296	35	158	80	454
07:00			17		39		56		19:00			36		24		60	
07:15			17		60		77		19:15			57		20		77	
07:30			26		90		116		19:30			48		24		72	
07:45			28	88	96	285	124	373	19:45			39	180	25	93	64	273
08:00			27		95		122		20:00			86		19		105	
08:15			43		100		143		20:15			56		15		71	
08:30			77		101		178		20:30			26		16		42	
08:45			57	204	97	393	154	597	20:45			27	195	15	65	42	260
09:00			35		58		93		21:00			23		9		32	
09:15			44		76		120		21:15			27		12		39	
09:30			41		51		92		21:30			17		9		26	
09:45			48	168	66	251	114	419	21:45			19	86	15	45	34	131
10:00			42		44		86		22:00			10		12		22	
10:15			55		68		123		22:15			19		5		24	
10:30			54		57		111		22:30			10		8		18	
10:45			49	200	69	238	118	438	22:45			8	47	7	32	15	79
11:00			75		51		126		23:00			10		2		12	
11:15			62		51		113		23:15			13		4		17	
11:30			89		52		141		23:30			12		3		15	
11:45			66	292	78	232	144	524	23:45			4	39	2	11	6	50
TOTALS				1018		1559		**2577**	**TOTALS**				3287		1738		**5025**
SPLIT %				39.5%		60.5%		**33.9%**	**SPLIT %**				65.4%		34.6%		**66.1%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,305	3,297	7,602

AM Peak Hour			11:00	08:00	**08:00**	**PM Peak Hour**			15:45	16:45	**15:45**
AM Pk Volume			292	393	**597**	**PM Pk Volume**			708	274	**896**
Pk Hr Factor			0.820	0.973	**0.838**	**Pk Hr Factor**			0.983	0.835	**0.978**
7 - 9 Volume	0	0	292	678	**970**	**4 - 6 Volume**	0	0	1174	474	**1648**
7 - 9 Peak Hour			08:00	08:00	**08:00**	**4 - 6 Peak Hour**			16:00	16:45	**16:15**
7 - 9 Pk Volume	0	0	204	393	**597**	**4 - 6 Pk Volume**	0	0	664	274	**882**
Pk Hr Factor	0.000	0.000	0.662	0.973	**0.838**	**Pk Hr Factor**	0.000	0.000	0.927	0.835	**0.930**

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Mission Center Rd & Texas St

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_068

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,134	3,087	7,221

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			9		5		14		12:00			60		46		106	
00:15			1		2		3		12:15			81		67		148	
00:30			1		4		5		12:30			52		58		110	
00:45			1	12	0	11	1	23	12:45			66	259	54	225	120	484
01:00			0		0		0		13:00			71		47		118	
01:15			1		0		1		13:15			57		38		95	
01:30			2		2		4		13:30			57		44		101	
01:45			4	7	2	4	6	11	13:45			62	247	70	199	132	446
02:00			0		3		3		14:00			52		56		108	
02:15			2		0		2		14:15			110		51		161	
02:30			0		3		3		14:30			81		58		139	
02:45			1	3	1	7	2	10	14:45			71	314	51	216	122	530
03:00			0		1		1		15:00			66		46		112	
03:15			1		2		3		15:15			73		52		125	
03:30			0		1		1		15:30			89		40		129	
03:45			0	1	0	4	0	5	15:45			82	310	45	183	127	493
04:00			1		1		2		16:00			115		34		149	
04:15			2		4		6		16:15			111		41		152	
04:30			1		3		4		16:30			102		53		155	
04:45			2	6	7	15	9	21	16:45			119	447	47	175	166	622
05:00			2		11		13		17:00			154		45		199	
05:15			2		14		16		17:15			173		50		223	
05:30			4		4		8		17:30			166		61		227	
05:45			5	13	13	42	18	55	17:45			166	659	63	219	229	878
06:00			13		12		25		18:00			160		52		212	
06:15			9		16		25		18:15			95		36		131	
06:30			9		22		31		18:30			72		42		114	
06:45			12	43	53	103	65	146	18:45			55	382	49	179	104	561
07:00			15		54		69		19:00			81		26		107	
07:15			22		70		92		19:15			62		20		82	
07:30			19		71		90		19:30			50		21		71	
07:45			36	92	92	287	128	379	19:45			53	246	17	84	70	330
08:00			34		88		122		20:00			34		19		53	
08:15			31		114		145		20:15			42		15		57	
08:30			75		78		153		20:30			50		14		64	
08:45			49	189	89	369	138	558	20:45			21	147	15	63	36	210
09:00			38		60		98		21:00			24		13		37	
09:15			30		55		85		21:15			22		14		36	
09:30			42		43		85		21:30			20		11		31	
09:45			61	171	63	221	124	392	21:45			16	82	16	54	32	136
10:00			41		32		73		22:00			23		18		41	
10:15			42		33		75		22:15			17		9		26	
10:30			37		52		89		22:30			14		10		24	
10:45			38	158	45	162	83	320	22:45			17	71	11	48	28	119
11:00			55		35		90		23:00			8		6		14	
11:15			57		53		110		23:15			8		6		14	
11:30			61		65		126		23:30			12		2		14	
11:45			61	234	49	202	110	436	23:45			13	41	1	15	14	56
TOTALS				929		1427		2356	TOTALS				3205		1660		4865
SPLIT %				39.4%		60.6%		32.6%	SPLIT %				65.9%		34.1%		67.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,134	3,087	7,221

AM Peak Hour			11:30	07:45	08:00	PM Peak Hour			17:15	13:45	17:15
AM Pk Volume			263	372	558	PM Pk Volume			665	235	891
Pk Hr Factor			0.812	0.816	0.912	Pk Hr Factor			0.961	0.839	0.973
7 - 9 Volume	0	0	281	656	937	4 - 6 Volume	0	0	1106	394	1500
7 - 9 Peak Hour			08:00	07:45	08:00	4 - 6 Peak Hour			17:00	17:00	17:00
7 - 9 Pk Volume	0	0	189	372	558	4 - 6 Pk Volume	0	0	659	219	878
Pk Hr Factor	0.000	0.000	0.630	0.816	0.912	Pk Hr Factor	0.000	0.000	0.952	0.869	0.959

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Texas St & Mission City Pkwy

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_069

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,098	4,285	8,383

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			5		15		20		12:00			78		79		157	
00:15			2		10		12		12:15			74		62		136	
00:30			3		8		11		12:30			69		59		128	
00:45			2	12	8	41	10	53	12:45			82	303	79	279	161	582
01:00			1		6		7		13:00			78		82		160	
01:15			3		3		6		13:15			63		73		136	
01:30			2		3		5		13:30			62		64		126	
01:45			1	7	3	15	4	22	13:45			59	262	73	292	132	554
02:00			1		1		2		14:00			71		62		133	
02:15			0		3		3		14:15			69		70		139	
02:30			0		2		2		14:30			68		71		139	
02:45			1	2	0	6	1	8	14:45			63	271	71	274	134	545
03:00			0		1		1		15:00			104		67		171	
03:15			0		2		2		15:15			70		60		130	
03:30			0		1		1		15:30			98		58		156	
03:45			0		1	5	1	5	15:45			137	409	66	251	203	660
04:00			2		2		4		16:00			164		78		242	
04:15			0		0		0		16:15			167		82		249	
04:30			0		1		1		16:30			179		83		262	
04:45			1	3	2	5	3	8	16:45			130	640	76	319	206	959
05:00			0		4		4		17:00			197		80		277	
05:15			3		1		4		17:15			116		76		192	
05:30			4		6		10		17:30			114		73		187	
05:45			5	12	15	26	20	38	17:45			106	533	49	278	155	811
06:00			6		22		28		18:00			109		37		146	
06:15			5		19		24		18:15			92		32		124	
06:30			11		39		50		18:30			60		36		96	
06:45			25	47	40	120	65	167	18:45			32	293	39	144	71	437
07:00			17		60		77		19:00			35		27		62	
07:15			21		70		91		19:15			31		22		53	
07:30			28		80		108		19:30			33		22		55	
07:45			55	121	94	304	149	425	19:45			20	119	19	90	39	209
08:00			58		108		166		20:00			28		23		51	
08:15			48		131		179		20:15			25		18		43	
08:30			57		122		179		20:30			24		12		36	
08:45			54	217	143	504	197	721	20:45			12	89	15	68	27	157
09:00			52		114		166		21:00			21		14		35	
09:15			49		94		143		21:15			16		3		19	
09:30			49		63		112		21:30			13		12		25	
09:45			53	203	82	353	135	556	21:45			14	64	59	88	73	152
10:00			39		63		102		22:00			14		67		81	
10:15			48		54		102		22:15			8		51		59	
10:30			42		64		106		22:30			11		41		52	
10:45			46	175	65	246	111	421	22:45			7	40	31	190	38	230
11:00			55		68		123		23:00			6		23		29	
11:15			56		77		133		23:15			4		17		21	
11:30			64		79		143		23:30			4		25		29	
11:45			80	255	83	307	163	562	23:45			7	21	15	80	22	101
TOTALS				1054		1932		2986	TOTALS				3044		2353		5397
SPLIT %				35.3%		64.7%		35.6%	SPLIT %				56.4%		43.6%		64.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,098	4,285	8,383

AM Peak Hour			11:45	08:15	08:00	PM Peak Hour			16:15	16:15	16:15
AM Pk Volume			301	510	721	PM Pk Volume			673	321	994
Pk Hr Factor			0.941	0.892	0.915	Pk Hr Factor			0.854	0.967	0.897
7 - 9 Volume	0	0	338	808	1146	4 - 6 Volume	0	0	1173	597	1770
7 - 9 Peak Hour			07:45	08:00	08:00	4 - 6 Peak Hour			16:15	16:15	16:15
7 - 9 Pk Volume	0	0	218	504	721	4 - 6 Pk Volume	0	0	673	321	994
Pk Hr Factor	0.000	0.000	0.940	0.881	0.915	Pk Hr Factor	0.000	0.000	0.854	0.967	0.897

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Texas St & Mission City Pkwy

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_069

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,886	4,013	7,899

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			4		21		25		12:00			60		79		139	
00:15			6		14		20		12:15			66		58		124	
00:30			2		15		17		12:30			72		51		123	
00:45			1	13	14	64	15	77	12:45			68	266	76	264	144	530
01:00			3		8		11		13:00			70		73		143	
01:15			2		4		6		13:15			61		61		122	
01:30			0		5		5		13:30			59		54		113	
01:45			3	8	6	23	9	31	13:45			71	261	65	253	136	514
02:00			0		7		7		14:00			63		52		115	
02:15			0		5		5		14:15			59		73		132	
02:30			2		9		11		14:30			70		78		148	
02:45			0	2	4	25	4	27	14:45			68	260	64	267	132	527
03:00			0		7		7		15:00			90		75		165	
03:15			0		5		5		15:15			73		61		134	
03:30			0		1		1		15:30			102		61		163	
03:45			1	1	0	13	1	14	15:45			97	362	59	256	156	618
04:00			0		2		2		16:00			130		63		193	
04:15			0		0		0		16:15			100		85		185	
04:30			0		1		1		16:30			115		67		182	
04:45			1	1	1	4	2	5	16:45			103	448	85	300	188	748
05:00			1		6		7		17:00			182		72		254	
05:15			1		0		1		17:15			160		77		237	
05:30			5		5		10		17:30			154		61		215	
05:45			1	8	17	28	18	36	17:45			135	631	48	258	183	889
06:00			6		22		28		18:00			141		29		170	
06:15			4		18		22		18:15			118		31		149	
06:30			13		27		40		18:30			59		30		89	
06:45			21	44	34	101	55	145	18:45			30	348	28	118	58	466
07:00			22		52		74		19:00			35		25		60	
07:15			22		64		86		19:15			25		16		41	
07:30			28		71		99		19:30			31		23		54	
07:45			49	121	98	285	147	406	19:45			16	107	25	89	41	196
08:00			54		87		141		20:00			20		21		41	
08:15			60		137		197		20:15			25		20		45	
08:30			53		127		180		20:30			21		11		32	
08:45			50	217	116	467	166	684	20:45			23	89	12	64	35	153
09:00			49		101		150		21:00			34		17		51	
09:15			37		86		123		21:15			19		6		25	
09:30			41		71		112		21:30			5		16		21	
09:45			63	190	67	325	130	515	21:45			10	68	48	87	58	155
10:00			57		52		109		22:00			13		56		69	
10:15			38		45		83		22:15			5		43		48	
10:30			32		68		100		22:30			9		32		41	
10:45			39	166	56	221	95	387	22:45			5	32	21	152	26	184
11:00			52		68		120		23:00			3		20		23	
11:15			39		72		111		23:15			10		15		25	
11:30			50		67		117		23:30			7		16		23	
11:45			78	219	82	289	160	508	23:45			4	24	9	60	13	84
TOTALS				990		1845		**2835**	**TOTALS**				2896		2168		**5064**
SPLIT %				34.9%		65.1%		**35.9%**	**SPLIT %**				57.2%		42.8%		**64.1%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	3,886	4,013	7,899

AM Peak Hour			11:45	08:15	**08:15**	**PM Peak Hour**			17:00	16:15	**16:45**
AM Pk Volume			276	481	**693**	**PM Pk Volume**			631	309	**894**
Pk Hr Factor			0.885	0.878	**0.879**	**Pk Hr Factor**			0.867	0.909	**0.880**
7 - 9 Volume	0	0	338	752	**1090**	**4 - 6 Volume**	0	0	1079	558	**1637**
7 - 9 Peak Hour			08:00	08:00	**08:00**	**4 - 6 Peak Hour**			17:00	16:15	**16:45**
7 - 9 Pk Volume	0	0	217	467	**684**	**4 - 6 Pk Volume**	0	0	631	309	**894**
Pk Hr Factor	0.000	0.000	0.904	0.852	**0.868**	**Pk Hr Factor**	0.000	0.000	0.867	0.909	**0.880**

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Mission City Pkwy & I-15 SB Off Ramp

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_070

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,246	5,662	11,908

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			10		16		26		12:00			100		137		237	
00:15			11		10		21		12:15			95		86		181	
00:30			6		13		19		12:30			94		88		182	
00:45			6	33	11	50	17	83	12:45			122	411	90	401	212	812
01:00			4		7		11		13:00			115		96		211	
01:15			3		5		8		13:15			94		82		176	
01:30			5		3		8		13:30			101		85		186	
01:45			4	16	3	18	7	34	13:45			83	393	93	356	176	749
02:00			1		1		2		14:00			121		71		192	
02:15			5		0		5		14:15			95		73		168	
02:30			1		3		4		14:30			117		67		184	
02:45			0	7	0	4	0	11	14:45			128	461	70	281	198	742
03:00			1		1		2		15:00			156		68		224	
03:15			2		2		4		15:15			112		61		173	
03:30			1		0		1		15:30			158		66		224	
03:45			0	4	1	4	1	8	15:45			187	613	67	262	254	875
04:00			2		2		4		16:00			278		78		356	
04:15			1		3		4		16:15			251		85		336	
04:30			0		2		2		16:30			296		83		379	
04:45			3	6	18	25	21	31	16:45			236	1061	96	342	332	1403
05:00			2		11		13		17:00			309		91		400	
05:15			1		14		15		17:15			227		83		310	
05:30			5		18		23		17:30			220		75		295	
05:45			4	12	27	70	31	82	17:45			173	929	61	310	234	1239
06:00			3		33		36		18:00			206		50		256	
06:15			6		44		50		18:15			134		30		164	
06:30			11		63		74		18:30			109		40		149	
06:45			14	34	97	237	111	271	18:45			67	516	37	157	104	673
07:00			21		111		132		19:00			74		25		99	
07:15			32		132		164		19:15			54		21		75	
07:30			28		150		178		19:30			48		24		72	
07:45			52	133	191	584	243	717	19:45			40	216	18	88	58	304
08:00			74		178		252		20:00			43		25		68	
08:15			53		194		247		20:15			38		20		58	
08:30			69		205		274		20:30			37		11		48	
08:45			61	257	208	785	269	1042	20:45			35	153	14	70	49	223
09:00			58		179		237		21:00			29		25		54	
09:15			53		128		181		21:15			31		6		37	
09:30			68		90		158		21:30			20		18		38	
09:45			55	234	106	503	161	737	21:45			23	103	71	120	94	223
10:00			57		81		138		22:00			18		79		97	
10:15			66		67		133		22:15			14		59		73	
10:30			50		74		124		22:30			19		50		69	
10:45			55	228	72	294	127	522	22:45			11	62	37	225	48	287
11:00			75		90		165		23:00			17		30		47	
11:15			73		91		164		23:15			5		27		32	
11:30			81		92		173		23:30			8		31		39	
11:45			94	323	93	366	187	689	23:45			11	41	22	110	33	151
TOTALS				1287		2940		4227	TOTALS				4959		2722		7681
SPLIT %				30.4%		69.6%		35.5%	SPLIT %				64.6%		35.4%		64.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	6,246	5,662	11,908

AM Peak Hour			11:45	08:15	08:00	PM Peak Hour			16:15	12:00	16:15
AM Pk Volume			383	786	1042	PM Pk Volume			1092	401	1447
Pk Hr Factor			0.958	0.945	0.951	Pk Hr Factor			0.883	0.732	0.904
7 - 9 Volume	0	0	390	1369	1759	4 - 6 Volume	0	0	1990	652	2642
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:15	16:15	16:15
7 - 9 Pk Volume	0	0	257	785	1042	4 - 6 Pk Volume	0	0	1092	355	1447
Pk Hr Factor	0.000	0.000	0.868	0.944	0.951	Pk Hr Factor	0.000	0.000	0.883	0.924	0.904

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. Mission City Pkwy & I-15 SB Off Ramp

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_070

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,985	5,604	11,589

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			15		25		40		12:00			82		98		180	
00:15			8		14		22		12:15			95		102		197	
00:30			4		18		22		12:30			100		87		187	
00:45			2	29	16	73	18	102	12:45			111	388	85	372	196	760
01:00			6		10		16		13:00			95		90		185	
01:15			5		7		12		13:15			89		77		166	
01:30			0		6		6		13:30			92		74		166	
01:45			4	15	6	29	10	44	13:45			102	378	85	326	187	704
02:00			2		8		10		14:00			125		65		190	
02:15			5		6		11		14:15			97		59		156	
02:30			2		12		14		14:30			109		58		167	
02:45			1	10	4	30	5	40	14:45			98	429	68	250	166	679
03:00			1		10		11		15:00			151		64		215	
03:15			0		7		7		15:15			108		52		160	
03:30			0		14		14		15:30			171		59		230	
03:45			1	2	11	42	12	44	15:45			146	576	71	246	217	822
04:00			0		15		15		16:00			210		76		286	
04:15			0		1		1		16:15			181		62		243	
04:30			0		5		5		16:30			231		82		313	
04:45			2	2	23	44	25	46	16:45			221	843	77	297	298	1140
05:00			0		12		12		17:00			326		88		414	
05:15			3		19		22		17:15			267		61		328	
05:30			5		18		23		17:30			267		60		327	
05:45			1	9	26	75	27	84	17:45			217	1077	58	267	275	1344
06:00			4		32		36		18:00			215		49		264	
06:15			5		44		49		18:15			179		42		221	
06:30			10		74		84		18:30			106		44		150	
06:45			15	34	122	272	137	306	18:45			54	554	38	173	92	727
07:00			15		104		119		19:00			59		27		86	
07:15			17		131		148		19:15			45		20		65	
07:30			28		162		190		19:30			46		16		62	
07:45			38	98	187	584	225	682	19:45			36	186	27	90	63	276
08:00			65		202		267		20:00			30		21		51	
08:15			63		222		285		20:15			41		20		61	
08:30			67		182		249		20:30			26		16		42	
08:45			54	249	180	786	234	1035	20:45			43	140	10	67	53	207
09:00			65		149		214		21:00			63		6		69	
09:15			41		110		151		21:15			26		10		36	
09:30			47		94		141		21:30			20		13		33	
09:45			60	213	102	455	162	668	21:45			12	121	76	105	88	226
10:00			70		67		137		22:00			26		90		116	
10:15			47		66		113		22:15			17		56		73	
10:30			49		68		117		22:30			14		44		58	
10:45			56	222	78	279	134	501	22:45			14	71	49	239	63	310
11:00			65		77		142		23:00			18		35		53	
11:15			60		99		159		23:15			12		22		34	
11:30			69		102		171		23:30			10		40		50	
11:45			96	290	97	375	193	665	23:45			9	49	31	128	40	177
TOTALS				1173		3044		4217	TOTALS				4812		2560		7372
SPLIT %				27.8%		72.2%		36.4%	SPLIT %				65.3%		34.7%		63.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,985	5,604	11,589

AM Peak Hour			11:45	07:45	08:00	PM Peak Hour			16:45	12:00	16:45
AM Pk Volume			373	793	1035	PM Pk Volume			1081	372	1367
Pk Hr Factor			0.933	0.893	0.908	Pk Hr Factor			0.829	0.912	0.825
7 - 9 Volume	0	0	347	1370	1717	4 - 6 Volume	0	0	1920	564	2484
7 - 9 Peak Hour			08:00	07:45	08:00	4 - 6 Peak Hour			16:45	16:15	16:45
7 - 9 Pk Volume	0	0	249	793	1035	4 - 6 Pk Volume	0	0	1081	309	1367
Pk Hr Factor	0.000	0.000	0.929	0.893	0.908	Pk Hr Factor	0.000	0.000	0.829	0.878	0.825

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. I-15 SB Off Ramp & I-15 SB On Ramp

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_071

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,365	4,011	9,376

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			7		3		10		12:00			85		58		143	
00:15			4		2		6		12:15			70		55		125	
00:30			4		2		6		12:30			66		61		127	
00:45			2	17	1	8	3	25	12:45			61	282	72	246	133	528
01:00			2		1		3		13:00			74		68		142	
01:15			2		0		2		13:15			69		75		144	
01:30			1		0		1		13:30			74		64		138	
01:45			3	8	1	2	4	10	13:45			57	274	60	267	117	541
02:00			1		1		2		14:00			67		60		127	
02:15			0		1		1		14:15			65		55		120	
02:30			0		2		2		14:30			65		42		107	
02:45			0	1	0	4	0	5	14:45			98	295	44	201	142	496
03:00			2		0		2		15:00			112		64		176	
03:15			1		2		3		15:15			111		46		157	
03:30			0		0		0		15:30			151		49		200	
03:45			0	3	0	2	0	5	15:45			201	575	52	211	253	786
04:00			2		0		2		16:00			218		57		275	
04:15			0		3		3		16:15			229		40		269	
04:30			0		2		2		16:30			297		45		342	
04:45			3	5	12	17	15	22	16:45			275	1019	54	196	329	1215
05:00			1		8		9		17:00			326		50		376	
05:15			1		11		12		17:15			284		46		330	
05:30			4		13		17		17:30			233		44		277	
05:45			3	9	20	52	23	61	17:45			212	1055	46	186	258	1241
06:00			4		19		23		18:00			218		28		246	
06:15			3		30		33		18:15			168		21		189	
06:30			2		35		37		18:30			106		28		134	
06:45			10	19	69	153	79	172	18:45			59	551	28	105	87	656
07:00			14		83		97		19:00			59		19		78	
07:15			22		112		134		19:15			46		23		69	
07:30			19		121		140		19:30			43		27		70	
07:45			24	79	167	483	191	562	19:45			27	175	12	81	39	256
08:00			24		179		203		20:00			28		17		45	
08:15			41		174		215		20:15			26		12		38	
08:30			32		171		203		20:30			27		14		41	
08:45			26	123	191	715	217	838	20:45			26	107	8	51	34	158
09:00			21		156		177		21:00			20		20		40	
09:15			44		104		148		21:15			25		6		31	
09:30			34		62		96		21:30			15		17		32	
09:45			40	139	89	411	129	550	21:45			18	78	4	47	22	125
10:00			51		76		127		22:00			16		4		20	
10:15			44		62		106		22:15			20		5		25	
10:30			45		67		112		22:30			12		1		13	
10:45			41	181	75	280	116	461	22:45			9	57	4	14	13	71
11:00			66		80		146		23:00			10		3		13	
11:15			68		63		131		23:15			5		2		7	
11:30			78		68		146		23:30			11		1		12	
11:45			69	281	60	271	129	552	23:45			6	32	2	8	8	40
TOTALS				865		2398		3263	TOTALS				4500		1613		6113
SPLIT %				26.5%		73.5%		34.8%	SPLIT %				73.6%		26.4%		65.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,365	4,011	9,376

AM Peak Hour			11:30	08:00	08:00	PM Peak Hour			16:30	12:45	16:30
AM Pk Volume			302	715	838	PM Pk Volume			1182	279	1377
Pk Hr Factor			0.888	0.936	0.965	Pk Hr Factor			0.906	0.930	0.916
7 - 9 Volume	0	0	202	1198	1400	4 - 6 Volume	0	0	2074	382	2456
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:30	16:00	16:30
7 - 9 Pk Volume	0	0	123	715	838	4 - 6 Pk Volume	0	0	1182	196	1377
Pk Hr Factor	0.000	0.000	0.750	0.936	0.965	Pk Hr Factor	0.000	0.000	0.906	0.860	0.916

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. I-15 SB Off Ramp & I-15 SB On Ramp

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_071

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,607	4,170	9,777

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			13		4		17		12:00			90		53		143	
00:15			3		1		4		12:15			72		63		135	
00:30			6		2		8		12:30			62		53		115	
00:45			3	25	1	8	4	33	12:45			67	291	77	246	144	537
01:00			5		2		7		13:00			86		76		162	
01:15			4		0		4		13:15			76		72		148	
01:30			3		1		4		13:30			70		71		141	
01:45			3	15	2	5	5	20	13:45			61	293	67	286	128	579
02:00			3		0		3		14:00			87		43		130	
02:15			0		1		1		14:15			77		67		144	
02:30			1		1		2		14:30			74		48		122	
02:45			1	5	1	3	2	8	14:45			73	311	50	208	123	519
03:00			0		1		1		15:00			127		54		181	
03:15			2		0		2		15:15			89		45		134	
03:30			4		1		5		15:30			187		40		227	
03:45			0	6	0	2	0	8	15:45			199	602	56	195	255	797
04:00			2		0		2		16:00			254		64		318	
04:15			1		3		4		16:15			246		32		278	
04:30			0		2		2		16:30			258		48		306	
04:45			3	6	13	18	16	24	16:45			269	1027	53	197	322	1224
05:00			1		9		10		17:00			320		53		373	
05:15			1		14		15		17:15			339		40		379	
05:30			1		13		14		17:30			253		49		302	
05:45			3	6	21	57	24	63	17:45			241	1153	43	185	284	1338
06:00			0		24		24		18:00			229		30		259	
06:15			4		32		36		18:15			194		41		235	
06:30			10		46		56		18:30			118		35		153	
06:45			9	23	84	186	93	209	18:45			62	603	28	134	90	737
07:00			15		88		103		19:00			55		16		71	
07:15			20		125		145		19:15			42		15		57	
07:30			18		143		161		19:30			37		10		47	
07:45			39	92	175	531	214	623	19:45			34	168	13	54	47	222
08:00			36		204		240		20:00			27		18		45	
08:15			33		195		228		20:15			29		34		63	
08:30			33		193		226		20:30			22		9		31	
08:45			37	139	192	784	229	923	20:45			27	105	6	67	33	172
09:00			32		138		170		21:00			38		8		46	
09:15			31		88		119		21:15			17		11		28	
09:30			42		93		135		21:30			20		8		28	
09:45			36	141	91	410	127	551	21:45			9	84	2	29	11	113
10:00			41		75		116		22:00			22		1		23	
10:15			51		82		133		22:15			14		0		14	
10:30			36		59		95		22:30			17		5		22	
10:45			51	179	65	281	116	460	22:45			11	64	7	13	18	77
11:00			48		59		107		23:00			9		4		13	
11:15			56		78		134		23:15			7		5		12	
11:30			63		55		118		23:30			10		2		12	
11:45			70	237	64	256	134	493	23:45			6	32	4	15	10	47
TOTALS				874		2541		3415	TOTALS				4733		1629		6362
SPLIT %				25.6%		74.4%		34.9%	SPLIT %				74.4%		25.6%		65.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,607	4,170	9,777

AM Peak Hour			11:30	08:00	08:00	PM Peak Hour			16:30	12:45	16:30
AM Pk Volume			295	784	923	PM Pk Volume			1186	296	1380
Pk Hr Factor			0.819	0.961	0.961	Pk Hr Factor			0.875	0.961	0.910
7 - 9 Volume	0	0	231	1315	1546	4 - 6 Volume	0	0	2180	382	2562
7 - 9 Peak Hour			07:45	08:00	08:00	4 - 6 Peak Hour			16:30	16:00	16:30
7 - 9 Pk Volume	0	0	141	784	923	4 - 6 Pk Volume	0	0	1186	197	1380
Pk Hr Factor	0.000	0.000	0.904	0.961	0.961	Pk Hr Factor	0.000	0.000	0.875	0.770	0.910

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. I-15 SB On Ramp & Fairmount Ave

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_072

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,328	1,860	6,188

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			6		3		9		12:00			42		26		68	
00:15			4		1		5		12:15			50		29		79	
00:30			2		1		3		12:30			52		39		91	
00:45			3	15	4	9	7	24	12:45			58	202	46	140	104	342
01:00			1		0		1		13:00			40		45		85	
01:15			2		2		4		13:15			67		39		106	
01:30			2		2		4		13:30			51		36		87	
01:45			3	8	2	6	5	14	13:45			53	211	40	160	93	371
02:00			2		2		4		14:00			43		31		74	
02:15			1		3		4		14:15			42		30		72	
02:30			0		2		2		14:30			45		22		67	
02:45			0	3	0	7	0	10	14:45			74	204	22	105	96	309
03:00			0		0		0		15:00			96		30		126	
03:15			1		0		1		15:15			111		22		133	
03:30			1		1		2		15:30			121		23		144	
03:45			0	2	1	2	1	4	15:45			168	496	22	97	190	593
04:00			4		2		6		16:00			220		28		248	
04:15			4		4		8		16:15			181		24		205	
04:30			0		0		0		16:30			232		15		247	
04:45			3	11	4	10	7	21	16:45			236	869	24	91	260	960
05:00			0		1		1		17:00			251		15		266	
05:15			0		0		0		17:15			235		17		252	
05:30			6		4		10		17:30			187		17		204	
05:45			5	11	5	10	10	21	17:45			190	863	14	63	204	926
06:00			3		6		9		18:00			175		16		191	
06:15			4		16		20		18:15			138		8		146	
06:30			4		14		18		18:30			87		9		96	
06:45			11	22	23	59	34	81	18:45			46	446	8	41	54	487
07:00			15		33		48		19:00			41		8		49	
07:15			13		53		66		19:15			52		7		59	
07:30			9		66		75		19:30			37		8		45	
07:45			11	48	77	229	88	277	19:45			22	152	5	28	27	180
08:00			19		85		104		20:00			25		6		31	
08:15			19		78		97		20:15			25		9		34	
08:30			33		86		119		20:30			21		0		21	
08:45			33	104	66	315	99	419	20:45			25	96	5	20	30	116
09:00			16		64		80		21:00			17		6		23	
09:15			31		43		74		21:15			22		5		27	
09:30			33		34		67		21:30			24		4		28	
09:45			33	113	34	175	67	288	21:45			14	77	2	17	16	94
10:00			41		31		72		22:00			13		4		17	
10:15			28		40		68		22:15			10		4		14	
10:30			41		29		70		22:30			7		5		12	
10:45			33	143	35	135	68	278	22:45			13	43	3	16	16	59
11:00			35		29		64		23:00			9		2		11	
11:15			32		23		55		23:15			7		1		8	
11:30			50		36		86		23:30			5		1		6	
11:45			48	165	33	121	81	286	23:45			3	24	0	4	3	28
TOTALS				645		1078		**1723**	**TOTALS**				3683		782		**4465**
SPLIT %				37.4%		62.6%		**27.8%**	**SPLIT %**				82.5%		17.5%		**72.2%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,328	1,860	6,188

AM Peak Hour			11:45	07:45	**08:00**	**PM Peak Hour**			16:30	12:30	**16:30**
AM Pk Volume			192	326	**419**	**PM Pk Volume**			954	169	**1025**
Pk Hr Factor			0.923	0.948	**0.880**	**Pk Hr Factor**			0.950	0.918	**0.963**
7 - 9 Volume	0	0	152	544	**696**	**4 - 6 Volume**	0	0	1732	154	**1886**
7 - 9 Peak Hour			08:00	07:45	**08:00**	**4 - 6 Peak Hour**			16:30	16:00	**16:30**
7 - 9 Pk Volume	0	0	104	326	**419**	**4 - 6 Pk Volume**	0	0	954	91	**1025**
Pk Hr Factor	0.000	0.000	0.788	0.948	**0.880**	**Pk Hr Factor**	0.000	0.000	0.950	0.813	**0.963**

Prepared by NDS/ATD

VOLUME

Camino Del Rio South Bet. I-15 SB On Ramp & Fairmount Ave

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_072

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,666	1,880	6,546

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			10		1		11		12:00			60		22		82	
00:15			4		2		6		12:15			48		27		75	
00:30			5		0		5		12:30			44		31		75	
00:45			3	22	2	5	5	27	12:45			48	200	28	108	76	308
01:00			1		0		1		13:00			46		42		88	
01:15			3		0		3		13:15			55		37		92	
01:30			2		1		3		13:30			69		34		103	
01:45			1	7	0	1	1	8	13:45			53	223	33	146	86	369
02:00			2		0		2		14:00			41		24		65	
02:15			0		0		0		14:15			55		35		90	
02:30			3		1		4		14:30			56		33		89	
02:45			0	5	0	1	0	6	14:45			55	207	26	118	81	325
03:00			0		0		0		15:00			83		21		104	
03:15			2		0		2		15:15			81		19		100	
03:30			3		2		5		15:30			169		25		194	
03:45			0	5	1	3	1	8	15:45			186	519	35	100	221	619
04:00			1		0		1		16:00			232		28		260	
04:15			1		1		2		16:15			223		29		252	
04:30			4		2		6		16:30			193		12		205	
04:45			1	7	4	7	5	14	16:45			231	879	14	83	245	962
05:00			0		2		2		17:00			255		13		268	
05:15			2		1		3		17:15			270		20		290	
05:30			3		2		5		17:30			229		12		241	
05:45			5	10	3	8	8	18	17:45			216	970	10	55	226	1025
06:00			3		8		11		18:00			212		14		226	
06:15			6		8		14		18:15			179		12		191	
06:30			7		14		21		18:30			111		13		124	
06:45			11	27	33	63	44	90	18:45			63	565	18	57	81	622
07:00			7		37		44		19:00			55		8		63	
07:15			14		57		71		19:15			31		7		38	
07:30			9		90		99		19:30			26		9		35	
07:45			25	55	86	270	111	325	19:45			32	144	6	30	38	174
08:00			23		100		123		20:00			34		8		42	
08:15			30		98		128		20:15			40		6		46	
08:30			29		87		116		20:30			24		3		27	
08:45			35	117	70	355	105	472	20:45			21	119	4	21	25	140
09:00			36		60		96		21:00			23		7		30	
09:15			32		43		75		21:15			15		9		24	
09:30			26		57		83		21:30			18		4		22	
09:45			32	126	33	193	65	319	21:45			9	65	1	21	10	86
10:00			40		30		70		22:00			12		2		14	
10:15			32		32		64		22:15			7		2		9	
10:30			26		34		60		22:30			14		6		20	
10:45			46	144	23	119	69	263	22:45			7	40	2	12	9	52
11:00			48		21		69		23:00			9		1		10	
11:15			34		36		70		23:15			7		3		10	
11:30			43		15		58		23:30			9		0		9	
11:45			52	177	27	99	79	276	23:45			8	33	1	5	9	38
TOTALS				702		1124		**1826**	**TOTALS**				3964		756		**4720**
SPLIT %				38.4%		61.6%		**27.9%**	**SPLIT %**				84.0%		16.0%		**72.1%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	4,666	1,880	6,546

AM Peak Hour			11:45	07:30	**07:45**	**PM Peak Hour**			16:45	13:00	**16:45**
AM Pk Volume			204	374	**478**	**PM Pk Volume**			985	146	**1044**
Pk Hr Factor			0.850	0.935	**0.934**	**Pk Hr Factor**			0.912	0.869	**0.900**
7 - 9 Volume	0	0	172	625	**797**	**4 - 6 Volume**	0	0	1849	138	**1987**
7 - 9 Peak Hour			08:00	07:30	**07:45**	**4 - 6 Peak Hour**			16:45	16:00	**16:45**
7 - 9 Pk Volume	0	0	117	374	**478**	**4 - 6 Pk Volume**	0	0	985	83	**1044**
Pk Hr Factor	0.000	0.000	0.836	0.935	**0.934**	**Pk Hr Factor**	0.000	0.000	0.912	0.716	**0.900**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From Tecolote Road to West Morena Boulevard

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	13		12					12:00	124		127				
00:15	17		15					12:15	152		150				
00:30	11		6					12:30	125		115				
00:45	6	47	5	38			85	12:45	135	536	134	526			1062
01:00	2		4					13:00	140		144				
01:15	3		7					13:15	138		153				
01:30	8		18					13:30	135		122				
01:45	2	15	6	35			50	13:45	108	521	111	530			1051
02:00	5		2					14:00	98		115				
02:15	4		4					14:15	124		112				
02:30	2		5					14:30	139		124				
02:45	2	13	2	13			26	14:45	135	496	140	491			987
03:00	1		6					15:00	135		136				
03:15	6		2					15:15	128		171				
03:30	3		2					15:30	148		176				
03:45	6	16	1	11			27	15:45	157	568	163	646			1214
04:00	1		5					16:00	157		156				
04:15	16		6					16:15	116		143				
04:30	6		5					16:30	133		184				
04:45	9	32	8	24			56	16:45	148	554	201	684			1238
05:00	12		9					17:00	143		202				
05:15	17		17					17:15	150		166				
05:30	20		24					17:30	132		150				
05:45	29	78	20	70			148	17:45	137	562	134	652			1214
06:00	33		25					18:00	131		132				
06:15	57		38					18:15	134		131				
06:30	89		44					18:30	118		126				
06:45	110	289	54	161			450	18:45	162	545	107	496			1041
07:00	119		76					19:00	146		110				
07:15	144		86					19:15	122		92				
07:30	180		94					19:30	108		79				
07:45	209	652	129	385			1037	19:45	68	444	86	367			811
08:00	178		134					20:00	74		91				
08:15	171		147					20:15	69		69				
08:30	205		131					20:30	66		50				
08:45	201	755	124	536			1291	20:45	99	308	57	267			575
09:00	137		99					21:00	76		42				
09:15	133		95					21:15	82		42				
09:30	119		100					21:30	67		36				
09:45	100	489	108	402			891	21:45	47	272	40	160			432
10:00	127		118					22:00	52		32				
10:15	106		88					22:15	38		41				
10:30	91		124					22:30	21		42				
10:45	91	415	115	445			860	22:45	40	151	21	136			287
11:00	104		103					23:00	19		32				
11:15	128		113					23:15	11		18				
11:30	134		138					23:30	15		15				
11:45	119	485	128	482			967	23:45	11	56	11	76			132
Total Vol.		3286		2602			**5888**			5013		5031			**10044**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	8299	7633			**15932**

	AM			PM		
Split %	55.8%	44.2%	**37.0%**	49.9%	50.1%	**63.0%**
Peak Hour	07:45	11:30	**07:45**	15:15	16:30	**16:30**
Volume	763	543	**1304**	590	753	**1327**
P.H.F.	0.91	0.91	**0.96**	0.94	0.93	**0.95**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From Tecolote Road to West Morena Boulevard

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	12		11					12:00	163		152				
00:15	7		14					12:15	152		151				
00:30	7		8					12:30	140		150				
00:45	1	27	12	45			72	12:45	156	611	149	602			1213
01:00	5		5					13:00	124		125				
01:15	4		5					13:15	121		132				
01:30	7		6					13:30	127		124				
01:45	7	23	3	19			42	13:45	127	499	127	508			1007
02:00	7		8					14:00	132		140				
02:15	3		8					14:15	151		119				
02:30	4		2					14:30	128		135				
02:45	2	16	4	22			38	14:45	125	536	139	533			1069
03:00	4		8					15:00	122		157				
03:15	3		4					15:15	157		156				
03:30	4		3					15:30	139		174				
03:45	8	19	3	18			37	15:45	139	557	190	677			1234
04:00	4		7					16:00	162		165				
04:15	8		10					16:15	133		189				
04:30	6		5					16:30	134		199				
04:45	8	26	7	29			55	16:45	135	564	229	782			1346
05:00	13		8					17:00	153		213				
05:15	21		16					17:15	183		217				
05:30	24		14					17:30	150		170				
05:45	35	93	24	62			155	17:45	142	628	159	759			1387
06:00	31		35					18:00	126		137				
06:15	56		28					18:15	115		108				
06:30	82		47					18:30	120		124				
06:45	108	277	53	163			440	18:45	126	487	102	471			958
07:00	134		82					19:00	127		97				
07:15	174		120					19:15	109		95				
07:30	164		107					19:30	103		104				
07:45	168	640	102	411			1051	19:45	95	434	79	375			809
08:00	155		102					20:00	87		61				
08:15	184		99					20:15	80		56				
08:30	197		107					20:30	62		56				
08:45	182	718	139	447			1165	20:45	86	315	73	246			561
09:00	185		109					21:00	86		51				
09:15	136		102					21:15	84		48				
09:30	111		96					21:30	52		48				
09:45	115	547	102	409			956	21:45	58	280	46	193			473
10:00	113		113					22:00	52		49				
10:15	103		129					22:15	46		45				
10:30	103		106					22:30	34		42				
10:45	120	439	104	452			891	22:45	25	157	25	161			318
11:00	98		110					23:00	28		16				
11:15	120		144					23:15	32		30				
11:30	109		120					23:30	14		21				
11:45	132	459	141	515			974	23:45	18	92	14	81			173
Total Vol.		3284		2592			**5876**			5160		5388			**10548**

Daily Totals

NB	SB	EB	WB	**Combined**
8444	7980			**16424**

	AM			PM		
Split %	55.9%	44.1%	**35.8%**	48.9%	51.1%	**64.2%**
Peak Hour	08:15	11:45	**08:15**	17:00	16:30	**16:30**
Volume	748	594	**1202**	628	858	**1463**
P.H.F.	0.95	0.98	**0.94**	0.87	0.94	**0.91**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From West Morena Boulevard to Linda Vista Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	10		10					12:00	151		157				
00:15	15		8					12:15	154		160				
00:30	7		7					12:30	139		139				
00:45	6	38	11	36			74	12:45	150	594	153	609			1203
01:00	6		7					13:00	142		164				
01:15	5		7					13:15	127		172				
01:30	6		15					13:30	153		164				
01:45	13	30	5	34			64	13:45	128	550	160	660			1210
02:00	3		3					14:00	125		146				
02:15	5		1					14:15	122		155				
02:30	1		5					14:30	119		135				
02:45	5	14	3	12			26	14:45	126	492	169	605			1097
03:00	4		7					15:00	137		158				
03:15	6		4					15:15	123		173				
03:30	6		3					15:30	119		196				
03:45	8	24	5	19			43	15:45	124	503	203	730			1233
04:00	2		5					16:00	107		225				
04:15	17		5					16:15	110		206				
04:30	9		8					16:30	96		264				
04:45	22	50	14	32			82	16:45	125	438	201	896			1334
05:00	16		16					17:00	124		263				
05:15	35		22					17:15	94		230				
05:30	30		25					17:30	90		236				
05:45	48	129	30	93			222	17:45	111	419	214	943			1362
06:00	60		28					18:00	85		195				
06:15	70		34					18:15	103		151				
06:30	130		56					18:30	100		152				
06:45	180	440	53	171			611	18:45	104	392	116	614			1006
07:00	200		60					19:00	97		140				
07:15	251		76					19:15	67		85				
07:30	274		89					19:30	66		88				
07:45	345	1070	102	327			1397	19:45	46	276	91	404			680
08:00	320		108					20:00	53		73				
08:15	261		108					20:15	43		62				
08:30	252		96					20:30	58		78				
08:45	251	1084	118	430			1514	20:45	52	206	74	287			493
09:00	197		122					21:00	31		63				
09:15	172		119					21:15	55		53				
09:30	154		107					21:30	38		47				
09:45	128	651	107	455			1106	21:45	29	153	42	205			358
10:00	136		115					22:00	50		37				
10:15	151		110					22:15	28		37				
10:30	134		143					22:30	18		50				
10:45	134	555	126	494			1049	22:45	20	116	32	156			272
11:00	118		131					23:00	20		52				
11:15	145		139					23:15	9		23				
11:30	124		148					23:30	13		20				
11:45	146	533	130	548			1081	23:45	11	53	9	104			157
Total Vol.		4618		2651			**7269**			4192		6213			**10405**

Daily Totals

NB	SB	EB	WB	**Combined**
8810	8864			**17674**

	AM			PM		
Split %	63.5%	36.5%	**41.1%**	40.3%	59.7%	**58.9%**
Peak Hour	07:30	11:30	**07:30**	12:00	16:30	**16:30**
Volume	1200	595	**1607**	594	958	**1397**
P.H.F.	0.87	0.93	**0.90**	0.95	0.91	**0.90**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From West Morena Boulevard to Linda Vista Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	17		19					12:00	142		162				
00:15	9		16					12:15	149		165				
00:30	8		8					12:30	132		171				
00:45	6	40	14	57			97	12:45	147	570	159	657			1227
01:00	3		14					13:00	144		161				
01:15	8		8					13:15	136		157				
01:30	7		13					13:30	144		121				
01:45	5	23	5	40			63	13:45	145	569	142	581			1150
02:00	9		5					14:00	143		148				
02:15	3		10					14:15	132		138				
02:30	2		2					14:30	115		178				
02:45	5	19	6	23			42	14:45	144	534	173	637			1171
03:00	5		7					15:00	126		180				
03:15	4		6					15:15	134		164				
03:30	9		4					15:30	115		256				
03:45	6	24	3	20			44	15:45	119	494	205	805			1299
04:00	5		6					16:00	112		237				
04:15	12		12					16:15	95		204				
04:30	14		9					16:30	96		263				
04:45	17	48	9	36			84	16:45	133	436	231	935			1371
05:00	15		13					17:00	117		286				
05:15	26		22					17:15	112		268				
05:30	32		25					17:30	90		240				
05:45	45	118	28	88			206	17:45	113	432	215	1009			1441
06:00	71		39					18:00	87		208				
06:15	80		31					18:15	110		160				
06:30	110		46					18:30	85		146				
06:45	196	457	50	166			623	18:45	87	369	102	616			985
07:00	208		75					19:00	70		153				
07:15	240		78					19:15	79		104				
07:30	239		85					19:30	68		98				
07:45	222	909	105	343			1252	19:45	62	279	74	429			708
08:00	208		96					20:00	63		70				
08:15	202		99					20:15	60		55				
08:30	244		88					20:30	55		58				
08:45	283	937	128	411			1348	20:45	47	225	69	252			477
09:00	241		140					21:00	44		70				
09:15	185		139					21:15	34		46				
09:30	152		120					21:30	28		46				
09:45	152	730	116	515			1245	21:45	58	164	46	208			372
10:00	145		124					22:00	39		47				
10:15	126		128					22:15	28		49				
10:30	112		126					22:30	24		34				
10:45	112	495	153	531			1026	22:45	15	106	29	159			265
11:00	118		146					23:00	23		26				
11:15	144		148					23:15	17		37				
11:30	127		152					23:30	16		16				
11:45	154	543	141	587			1130	23:45	20	76	19	98			174
Total Vol.		4343		2817			**7160**			4254		6386			**10640**

Daily Totals

NB	SB	EB	WB	**Combined**
8597	9203			**17800**

	AM			**PM**		
Split %	60.7%	39.3%	**40.2%**	40.0%	60.0%	**59.8%**
Peak Hour	08:15	11:45	**08:30**	12:15	16:30	**16:30**
Volume	970	639	**1448**	572	1048	**1506**
P.H.F.	0.86	0.93	**0.88**	0.96	0.92	**0.93**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From Linda Vista Road to I-8 WB Offramp

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	28		36					12:00	281		355				
00:15	30		27					12:15	318		383				
00:30	24		23					12:30	306		318				
00:45	16	98	20	106			204	12:45	324	1229	311	1367			2596
01:00	21		20					13:00	317		349				
01:15	13		20					13:15	291		356				
01:30	19		30					13:30	330		350				
01:45	21	74	16	86			160	13:45	254	1192	320	1375			2567
02:00	9		14					14:00	285		295				
02:15	7		7					14:15	249		382				
02:30	12		22					14:30	282		372				
02:45	9	37	11	54			91	14:45	299	1115	392	1441			2556
03:00	7		16					15:00	317		406				
03:15	10		13					15:15	346		394				
03:30	17		11					15:30	329		425				
03:45	16	50	16	56			106	15:45	317	1309	457	1682			2991
04:00	15		12					16:00	326		497				
04:15	34		17					16:15	311		448				
04:30	26		37					16:30	281		479				
04:45	58	133	53	119			252	16:45	321	1239	463	1887			3126
05:00	55		45					17:00	360		546				
05:15	86		65					17:15	343		477				
05:30	111		68					17:30	258		531				
05:45	129	381	100	278			659	17:45	305	1266	525	2079			3345
06:00	148		122					18:00	248		447				
06:15	154		123					18:15	248		369				
06:30	209		181					18:30	252		391				
06:45	278	789	223	649			1438	18:45	253	1001	326	1533			2534
07:00	309		226					19:00	218		391				
07:15	385		283					19:15	209		327				
07:30	441		304					19:30	185		277				
07:45	544	1679	316	1129			2808	19:45	167	779	220	1215			1994
08:00	499		322					20:00	144		222				
08:15	444		332					20:15	157		223				
08:30	506		320					20:30	174		248				
08:45	499	1948	326	1300			3248	20:45	178	653	241	934			1587
09:00	349		302					21:00	130		226				
09:15	338		261					21:15	145		161				
09:30	343		238					21:30	127		160				
09:45	300	1330	251	1052			2382	21:45	118	520	119	666			1186
10:00	249		254					22:00	120		123				
10:15	261		250					22:15	95		100				
10:30	283		297					22:30	70		103				
10:45	254	1047	262	1063			2110	22:45	86	371	116	442			813
11:00	244		284					23:00	77		103				
11:15	266		324					23:15	62		64				
11:30	288		302					23:30	44		60				
11:45	317	1115	279	1189			2304	23:45	44	227	45	272			499
Total Vol.		8681		7081			**15762**			10901		14893			**25794**

Daily Totals

NB	SB	EB	WB	**Combined**
19582	21974			**41556**

	AM			**PM**		
Split %	55.1%	44.9%	**37.9%**	42.3%	57.7%	**62.1%**
Peak Hour	07:45	11:45	**07:45**	15:15	17:00	**17:00**
Volume	1993	1335	**3283**	1318	2079	**3345**
P.H.F.	0.92	0.87	**0.95**	0.95	0.95	**0.92**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From Linda Vista Road to I-8 WB Offramp

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	38		36					12:00	298		405				
00:15	27		44					12:15	336		429				
00:30	28		25					12:30	301		410				
00:45	22	115	33	138			253	12:45	346	1281	354	1598			2879
01:00	26		22					13:00	328		332				
01:15	16		21					13:15	316		334				
01:30	14		21					13:30	317		336				
01:45	15	71	19	83			154	13:45	337	1298	326	1328			2626
02:00	22		22					14:00	329		324				
02:15	10		18					14:15	302		361				
02:30	9		27					14:30	280		410				
02:45	9	50	12	79			129	14:45	337	1248	328	1423			2671
03:00	12		11					15:00	294		446				
03:15	10		10					15:15	326		378				
03:30	16		13					15:30	307		486				
03:45	15	53	10	44			97	15:45	287	1214	388	1698			2912
04:00	13		18					16:00	324		490				
04:15	28		33					16:15	303		467				
04:30	35		28					16:30	288		492				
04:45	63	139	33	112			251	16:45	364	1279	466	1915			3194
05:00	63		51					17:00	336		563				
05:15	81		68					17:15	370		556				
05:30	86		73					17:30	300		563				
05:45	141	371	100	292			663	17:45	337	1343	492	2174			3517
06:00	151		130					18:00	257		470				
06:15	151		143					18:15	301		353				
06:30	195		157					18:30	235		352				
06:45	302	799	212	642			1441	18:45	246	1039	338	1513			2552
07:00	325		243					19:00	181		397				
07:15	429		289					19:15	220		318				
07:30	466		346					19:30	198		323				
07:45	370	1590	397	1275			2865	19:45	211	810	222	1260			2070
08:00	353		301					20:00	187		236				
08:15	367		303					20:15	152		201				
08:30	422		359					20:30	173		177				
08:45	491	1633	326	1289			2922	20:45	127	639	201	815			1454
09:00	426		323					21:00	157		248				
09:15	338		309					21:15	114		202				
09:30	299		255					21:30	125		153				
09:45	299	1362	272	1159			2521	21:45	123	519	158	761			1280
10:00	285		244					22:00	118		144				
10:15	270		269					22:15	100		133				
10:30	249		280					22:30	90		86				
10:45	260	1064	313	1106			2170	22:45	72	380	80	443			823
11:00	250		280					23:00	79		90				
11:15	284		291					23:15	78		83				
11:30	267		313					23:30	54		63				
11:45	295	1096	323	1207			2303	23:45	49	260	65	301			561
Total Vol.		8343		7426			**15769**			11310		15229			**26539**

Daily Totals

NB	SB	EB	WB	**Combined**
19653	22655			**42308**

	AM			**PM**		
Split %	52.9%	47.1%	**37.3%**	42.6%	57.4%	**62.7%**
Peak Hour	08:15	11:45	**08:15**	16:45	17:00	**16:45**
Volume	1706	1567	**3017**	1370	2174	**3518**
P.H.F.	0.87	0.91	**0.92**	0.97	0.97	**0.95**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From I-8 WB Offramp to Taylor St

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	8		3					12:00	88		56				
00:15	9		2					12:15	136		78				
00:30	12		2					12:30	97		58				
00:45	3	32	2	9			41	12:45	109	430	72	264			694
01:00	10		0					13:00	127		72				
01:15	4		3					13:15	108		53				
01:30	9		2					13:30	117		63				
01:45	4	27	4	9			36	13:45	99	451	55	243			694
02:00	0		2					14:00	116		48				
02:15	1		0					14:15	94		78				
02:30	1		1					14:30	107		62				
02:45	2	4	1	4			8	14:45	109	426	64	252			678
03:00	2		1					15:00	131		61				
03:15	6		1					15:15	120		75				
03:30	4		0					15:30	142		74				
03:45	3	15	2	4			19	15:45	140	533	96	306			839
04:00	4		1					16:00	146		91				
04:15	8		3					16:15	137		108				
04:30	3		6					16:30	155		105				
04:45	9	24	11	21			45	16:45	166	604	107	411			1015
05:00	10		7					17:00	179		119				
05:15	13		8					17:15	171		151				
05:30	13		10					17:30	123		138				
05:45	14	50	19	44			94	17:45	147	620	145	553			1173
06:00	18		18					18:00	111		86				
06:15	29		26					18:15	108		72				
06:30	30		28					18:30	102		60				
06:45	64	141	39	111			252	18:45	85	406	54	272			678
07:00	84		40					19:00	85		54				
07:15	127		47					19:15	78		37				
07:30	166		69					19:30	63		38				
07:45	168	545	68	224			769	19:45	60	286	26	155			441
08:00	150		67					20:00	74		28				
08:15	155		69					20:15	68		21				
08:30	194		61					20:30	79		41				
08:45	117	616	65	262			878	20:45	84	305	27	117			422
09:00	88		57					21:00	56		31				
09:15	100		42					21:15	62		27				
09:30	95		34					21:30	63		23				
09:45	67	350	44	177			527	21:45	60	241	13	94			335
10:00	76		41					22:00	51		24				
10:15	81		48					22:15	41		23				
10:30	99		67					22:30	35		26				
10:45	83	339	52	208			547	22:45	35	162	16	89			251
11:00	87		46					23:00	39		31				
11:15	93		55					23:15	27		17				
11:30	108		65					23:30	20		7				
11:45	101	389	54	220			609	23:45	13	99	7	62			161
Total Vol.		2532		1293			**3825**			4563		2818			**7381**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	7095	4111			**11206**

	AM			PM		
Split %	66.2%	33.8%	**34.1%**	61.8%	38.2%	**65.9%**
Peak Hour	07:45	07:30	**07:45**	16:30	17:00	**17:00**
Volume	667	273	**932**	671	553	**1173**
P.H.F.	0.86	0.99	**0.91**	0.95	0.92	**0.91**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Morena Boulevard, From I-8 WB Offramp to Taylor St

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	21		11					12:00	108		71				
00:15	10		6					12:15	136		80				
00:30	8		2					12:30	107		85				
00:45	5	44	6	25			69	12:45	111	462	74	310			772
01:00	10		9					13:00	142		67				
01:15	10		3					13:15	116		56				
01:30	8		10					13:30	126		69				
01:45	4	32	2	24			56	13:45	103	487	55	247			734
02:00	10		9					14:00	127		50				
02:15	4		4					14:15	92		55				
02:30	0		2					14:30	113		56				
02:45	2	16	1	16			32	14:45	120	452	61	222			674
03:00	6		2					15:00	120		78				
03:15	1		0					15:15	138		73				
03:30	2		1					15:30	135		83				
03:45	5	14	1	4			18	15:45	110	503	68	302			805
04:00	4		0					16:00	150		93				
04:15	7		6					16:15	172		111				
04:30	5		7					16:30	142		138				
04:45	13	29	6	19			48	16:45	174	638	98	440			1078
05:00	10		8					17:00	158		146				
05:15	13		12					17:15	189		157				
05:30	11		14					17:30	149		150				
05:45	19	53	20	54			107	17:45	147	643	133	586			1229
06:00	11		23					18:00	118		91				
06:15	24		21					18:15	117		84				
06:30	35		36					18:30	77		68				
06:45	78	148	35	115			263	18:45	109	421	67	310			731
07:00	67		33					19:00	60		57				
07:15	144		51					19:15	91		59				
07:30	195		94					19:30	89		40				
07:45	188	594	101	279			873	19:45	110	350	36	192			542
08:00	189		68					20:00	77		27				
08:15	173		54					20:15	78		27				
08:30	152		64					20:30	71		20				
08:45	144	658	74	260			918	20:45	56	282	26	100			382
09:00	114		80					21:00	70		28				
09:15	101		66					21:15	53		23				
09:30	102		58					21:30	57		21				
09:45	88	405	50	254			659	21:45	59	239	24	96			335
10:00	91		46					22:00	60		22				
10:15	93		54					22:15	43		32				
10:30	88		58					22:30	44		12				
10:45	65	337	61	219			556	22:45	40	187	23	89			276
11:00	78		42					23:00	40		18				
11:15	100		56					23:15	36		22				
11:30	88		49					23:30	32		14				
11:45	107	373	59	206			579	23:45	16	124	10	64			188
Total Vol.		2703		1475			**4178**			4788		2958			**7746**

Daily Totals

NB	SB	EB	WB	**Combined**
7491	4433			**11924**

	AM			**PM**		
Split %	64.7%	35.3%	**35.0%**	61.8%	38.2%	**65.0%**
Peak Hour	07:30	07:30	**07:30**	16:45	17:00	**17:00**
Volume	745	317	**1062**	670	586	**1229**
P.H.F.	0.96	0.78	**0.92**	0.94	0.93	**0.89**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Napa Street, From Morena Boulevard to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	8		10					12:00	106		80				
00:15	5		7					12:15	121		107				
00:30	13		7					12:30	108		63				
00:45	5	31	6	30			61	12:45	89	424	116	366			790
01:00	10		6					13:00	90		94				
01:15	2		3					13:15	84		91				
01:30	6		2					13:30	86		111				
01:45	6	24	4	15			39	13:45	66	326	83	379			705
02:00	4		3					14:00	80		99				
02:15	4		2					14:15	70		75				
02:30	4		0					14:30	105		99				
02:45	2	14	4	9			23	14:45	111	366	133	406			772
03:00	4		4					15:00	90		116				
03:15	5		0					15:15	70		116				
03:30	6		11					15:30	65		128				
03:45	6	21	3	18			39	15:45	77	302	160	520			822
04:00	1		11					16:00	88		141				
04:15	7		10					16:15	90		184				
04:30	17		6					16:30	105		188				
04:45	23	48	18	45			93	16:45	121	404	151	664			1068
05:00	15		21					17:00	135		195				
05:15	32		31					17:15	106		206				
05:30	35		37					17:30	121		193				
05:45	36	118	19	108			226	17:45	88	450	159	753			1203
06:00	63		28					18:00	98		136				
06:15	72		40					18:15	103		124				
06:30	114		46					18:30	88		130				
06:45	160	409	36	150			559	18:45	70	359	124	514			873
07:00	105		51					19:00	65		131				
07:15	166		43					19:15	70		97				
07:30	189		48					19:30	54		83				
07:45	215	675	66	208			883	19:45	88	277	67	378			655
08:00	222		61					20:00	65		80				
08:15	242		72					20:15	70		79				
08:30	265		80					20:30	54		71				
08:45	251	980	85	298			1278	20:45	55	244	73	303			547
09:00	182		64					21:00	40		64				
09:15	157		65					21:15	35		49				
09:30	157		66					21:30	28		34				
09:45	121	617	77	272			889	21:45	29	132	40	187			319
10:00	108		81					22:00	30		40				
10:15	88		78					22:15	26		38				
10:30	98		69					22:30	22		21				
10:45	77	371	61	289			660	22:45	18	96	22	121			217
11:00	84		80					23:00	20		21				
11:15	98		102					23:15	15		19				
11:30	103		104					23:30	19		23				
11:45	111	396	86	372			768	23:45	16	70	10	73			143
Total Vol.		3704		1814			**5518**			3450		4664			**8114**

Daily Totals

NB	SB	EB	WB	**Combined**
7154	6478			**13632**

	AM			**PM**		
Split %	67.1%	32.9%	**40.5%**	42.5%	57.5%	**59.5%**
Peak Hour	08:00	11:30	**08:00**	16:45	17:00	**16:45**
Volume	980	377	**1278**	483	753	**1228**
P.H.F.	0.92	0.88	**0.93**	0.87	0.91	**0.93**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Napa Street, From Morena Boulevard to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	7		7					12:00	102		118				
00:15	6		11					12:15	106		93				
00:30	12		4					12:30	111		115				
00:45	6	31	3	25			56	12:45	98	417	101	427			844
01:00	2		5					13:00	88		100				
01:15	3		2					13:15	103		90				
01:30	12		2					13:30	84		70				
01:45	11	28	4	13			41	13:45	66	341	92	352			693
02:00	5		3					14:00	91		90				
02:15	8		2					14:15	84		112				
02:30	2		3					14:30	70		92				
02:45	1	16	2	10			26	14:45	65	310	105	399			709
03:00	6		2					15:00	77		107				
03:15	5		1					15:15	90		99				
03:30	6		5					15:30	88		111				
03:45	5	22	6	14			36	15:45	90	345	169	486			831
04:00	12		11					16:00	88		141				
04:15	6		13					16:15	90		168				
04:30	8		8					16:30	121		177				
04:45	9	35	15	47			82	16:45	144	443	151	637			1080
05:00	10		19					17:00	126		188				
05:15	12		26					17:15	115		198				
05:30	32		23					17:30	126		88				
05:45	40	94	20	88			182	17:45	88	455	128	602			1057
06:00	55		33					18:00	90		121				
06:15	65		29					18:15	88		128				
06:30	70		35					18:30	80		125				
06:45	88	278	45	142			420	18:45	70	328	95	469			797
07:00	115		38					19:00	65		129				
07:15	168		41					19:15	88		99				
07:30	188		57					19:30	70		85				
07:45	205	676	65	201			877	19:45	65	288	80	393			681
08:00	222		77					20:00	55		60				
08:15	251		76					20:15	65		93				
08:30	266		72					20:30	54		60				
08:45	268	1007	71	296			1303	20:45	66	240	47	260			500
09:00	181		79					21:00	40		66				
09:15	121		70					21:15	35		51				
09:30	106		73					21:30	28		31				
09:45	111	519	65	287			806	21:45	23	126	35	183			309
10:00	121		77					22:00	22		48				
10:15	106		92					22:15	40		30				
10:30	88		82					22:30	32		36				
10:45	90	405	97	348			753	22:45	25	119	27	141			260
11:00	80		72					23:00	15		18				
11:15	106		100					23:15	18		20				
11:30	111		71					23:30	20		19				
11:45	105	402	110	353			755	23:45	14	67	6	63			130
Total Vol.		3513		1824			**5337**			3479		4412			**7891**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	6992	6236			**13228**

	AM			**PM**		
Split %	65.8%	34.2%	**40.3%**	44.1%	55.9%	**59.7%**
Peak Hour	08:00	11:45	**08:00**	16:45	16:30	**16:30**
Volume	1007	436	**1303**	511	714	**1220**
P.H.F.	0.94	0.92	**0.96**	0.87	0.90	**0.97**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Colusa Street, From Linda Vista Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	0		1					12:00	25		18				
00:15	0		0					12:15	21		28				
00:30	1		0					12:30	20		32				
00:45	0	1	0	1			2	12:45	19	85	33	111			196
01:00	1		1					13:00	26		32				
01:15	2		0					13:15	22		25				
01:30	0		0					13:30	28		25				
01:45	0	3	1	2			5	13:45	28	104	16	98			202
02:00	0		0					14:00	30		20				
02:15	1		0					14:15	25		16				
02:30	1		0					14:30	28		11				
02:45	0	2	1	1			3	14:45	22	105	15	62			167
03:00	2		1					15:00	26		8				
03:15	0		0					15:15	12		18				
03:30	0		1					15:30	18		19				
03:45	3	5	1	3			8	15:45	11	67	22	67			134
04:00	0		0					16:00	19		25				
04:15	2		0					16:15	25		35				
04:30	1		2					16:30	24		31				
04:45	0	3	2	4			7	16:45	21	89	28	119			208
05:00	2		3					17:00	28		35				
05:15	6		0					17:15	33		66				
05:30	5		2					17:30	32		51				
05:45	4	17	0	5			22	17:45	25	118	50	202			320
06:00	6		0					18:00	26		40				
06:15	9		1					18:15	11		28				
06:30	8		6					18:30	18		22				
06:45	12	35	9	16			51	18:45	20	75	33	123			198
07:00	18		12					19:00	15		28				
07:15	25		30					19:15	11		18				
07:30	20		29					19:30	9		18				
07:45	33	96	42	113			209	19:45	10	45	12	76			121
08:00	31		22					20:00	5		11				
08:15	40		28					20:15	4		8				
08:30	25		30					20:30	6		12				
08:45	33	129	26	106			235	20:45	5	20	5	36			56
09:00	28		22					21:00	1		9				
09:15	20		28					21:15	3		11				
09:30	19		21					21:30	2		8				
09:45	20	87	19	90			177	21:45	0	6	6	34			40
10:00	11		20					22:00	1		5				
10:15	11		18					22:15	1		4				
10:30	16		22					22:30	0		3				
10:45	18	56	26	86			142	22:45	0	2	0	12			14
11:00	20		15					23:00	1		1				
11:15	19		22					23:15	0		1				
11:30	25		21					23:30	1		0				
11:45	28	92	28	86			178	23:45	0	2	0	2			4
Total Vol.		526		513			**1039**			718		942			**1660**

Daily Totals

NB	SB	EB	WB	**Combined**
1244	1455			**2699**

	AM			**PM**		
Split %	50.6%	49.4%	**38.5%**	43.3%	56.7%	**61.5%**
Peak Hour	07:45	07:15	**07:45**	17:00	17:15	**17:15**
Volume	129	123	**251**	118	207	**323**
P.H.F.	0.81	0.73	**0.84**	0.95	0.78	**0.82**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Colusa Street, From Linda Vista Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	2		0					12:00	28		33				
00:15	0		0					12:15	22		35				
00:30	1		1					12:30	19		32				
00:45	2	5	2	3			8	12:45	20	89	28	128			217
01:00	0		1					13:00	26		21				
01:15	0		2					13:15	25		19				
01:30	0		0					13:30	30		20				
01:45	1	1	0	3			4	13:45	25	106	16	76			182
02:00	2		0					14:00	22		11				
02:15	0		0					14:15	19		15				
02:30	1		1					14:30	20		19				
02:45	2	5	1	2			7	14:45	18	79	25	70			149
03:00	1		0					15:00	22		25				
03:15	3		0					15:15	19		21				
03:30	2		0					15:30	18		22				
03:45	2	8	1	1			9	15:45	15	74	28	96			170
04:00	0		0					16:00	18		31				
04:15	0		0					16:15	21		33				
04:30	1		1					16:30	20		30				
04:45	1	2	2	3			5	16:45	33	92	31	125			217
05:00	2		1					17:00	30		44				
05:15	3		0					17:15	25		51				
05:30	4		2					17:30	21		68				
05:45	5	14	3	6			20	17:45	20	96	33	196			292
06:00	9		5					18:00	18		31				
06:15	8		8					18:15	22		28				
06:30	12		11					18:30	26		20				
06:45	18	47	12	36			83	18:45	15	81	19	98			179
07:00	20		15					19:00	11		28				
07:15	22		28					19:15	9		21				
07:30	21		31					19:30	12		16				
07:45	28	91	33	107			198	19:45	8	40	11	76			116
08:00	30		25					20:00	5		15				
08:15	33		20					20:15	4		9				
08:30	31		24					20:30	6		12				
08:45	35	129	22	91			220	20:45	5	20	8	44			64
09:00	33		18					21:00	4		9				
09:15	28		20					21:15	5		5				
09:30	21		19					21:30	6		4				
09:45	19	101	22	79			180	21:45	3	18	6	24			42
10:00	20		21					22:00	2		3				
10:15	16		18					22:15	1		2				
10:30	18		20					22:30	0		4				
10:45	22	76	26	85			161	22:45	1	4	4	13			17
11:00	16		19					23:00	2		2				
11:15	23		20					23:15	0		1				
11:30	35		18					23:30	1		0				
11:45	31	105	22	79			184	23:45	0	3	1	4			7
Total Vol.		584		495			**1079**			702		950			**1652**

Daily Totals

NB	SB	EB	WB	**Combined**
1286	1445			**2731**

	AM			**PM**		
Split %	54.1%	45.9%	**39.5%**	42.5%	57.5%	**60.5%**
Peak Hour	08:15	11:45	**07:45**	16:45	17:00	**16:45**
Volume	132	122	**224**	109	196	**303**
P.H.F.	0.94	0.87	**0.92**	0.86	0.72	**0.85**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Via Las Cumbres, From Linda Vista Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	10		8					12:00	88		105				
00:15	7		9					12:15	81		91				
00:30	6		4					12:30	94		102				
00:45	5	28	6	27			55	12:45	91	354	84	382			736
01:00	5		5					13:00	100		84				
01:15	4		4					13:15	88		70				
01:30	2		2					13:30	81		65				
01:45	1	12	1	12			24	13:45	96	365	88	307			672
02:00	0		0					14:00	66		70				
02:15	1		1					14:15	67		74				
02:30	2		2					14:30	74		84				
02:45	1	4	0	3			7	14:45	84	291	98	326			617
03:00	0		1					15:00	80		95				
03:15	3		2					15:15	75		88				
03:30	2		1					15:30	65		79				
03:45	1	6	1	5			11	15:45	68	288	105	367			655
04:00	1		2					16:00	84		121				
04:15	6		0					16:15	78		135				
04:30	9		0					16:30	84		141				
04:45	10	26	3	5			31	16:45	95	341	121	518			859
05:00	8		8					17:00	99		135				
05:15	12		9					17:15	101		111				
05:30	11		10					17:30	84		108				
05:45	19	50	8	35			85	17:45	95	379	105	459			838
06:00	21		12					18:00	77		89				
06:15	42		18					18:15	68		95				
06:30	51		22					18:30	84		70				
06:45	68	182	35	87			269	18:45	70	299	80	334			633
07:00	108		45					19:00	66		77				
07:15	165		90					19:15	54		65				
07:30	177		95					19:30	55		84				
07:45	141	591	101	331			922	19:45	40	215	54	280			495
08:00	158		88					20:00	62		41				
08:15	161		70					20:15	70		32				
08:30	108		65					20:30	54		28				
08:45	142	569	55	278			847	20:45	35	221	33	134			355
09:00	121		68					21:00	22		32				
09:15	128		70					21:15	19		25				
09:30	114		54					21:30	15		20				
09:45	98	461	84	276			737	21:45	15	71	19	96			167
10:00	88		66					22:00	11		15				
10:15	81		68					22:15	9		12				
10:30	94		99					22:30	10		11				
10:45	105	368	84	317			685	22:45	8	38	12	50			88
11:00	111		70					23:00	9		8				
11:15	114		98					23:15	5		9				
11:30	105		111					23:30	6		10				
11:45	97	427	108	387			814	23:45	4	24	5	32			56
Total Vol.		2724		1763			**4487**			2886		3285			**6171**

Daily Totals

NB	SB	EB	WB	**Combined**
5610	5048			**10658**

	AM			PM		
Split %	60.7%	39.3%	**42.1%**	46.8%	53.2%	**57.9%**
Peak Hour	07:15	11:15	**07:15**	16:30	16:15	**16:15**
Volume	641	422	**1015**	379	532	**888**
P.H.F.	0.91	0.95	**0.93**	0.95	0.94	**0.95**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Via Las Cumbres, From Linda Vista Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	7		10					12:00	84		108				
00:15	7		5					12:15	91		88				
00:30	4		8					12:30	105		95				
00:45	6	24	6	29			53	12:45	111	391	70	361			752
01:00	2		6					13:00	84		105				
01:15	2		5					13:15	95		84				
01:30	1		4					13:30	70		95				
01:45	1	6	5	20			26	13:45	66	315	77	361			676
02:00	1		2					14:00	68		84				
02:15	2		3					14:15	84		95				
02:30	1		1					14:30	70		105				
02:45	0	4	0	6			10	14:45	65	287	88	372			659
03:00	0		2					15:00	44		95				
03:15	1		1					15:15	54		98				
03:30	1		0					15:30	55		103				
03:45	2	4	2	5			9	15:45	65	218	121	417			635
04:00	3		3					16:00	71		151				
04:15	5		4					16:15	84		132				
04:30	9		5					16:30	77		128				
04:45	15	32	9	21			53	16:45	105	337	91	502			839
05:00	11		8					17:00	108		141				
05:15	12		15					17:15	111		133				
05:30	18		12					17:30	116		132				
05:45	21	62	13	48			110	17:45	91	426	101	507			933
06:00	35		26					18:00	101		91				
06:15	61		15					18:15	88		105				
06:30	74		21					18:30	84		89				
06:45	80	250	40	102			352	18:45	95	368	95	380			748
07:00	105		66					19:00	65		70				
07:15	184		81					19:15	70		65				
07:30	191		94					19:30	65		55				
07:45	142	622	91	332			954	19:45	51	251	40	230			481
08:00	131		68					20:00	66		35				
08:15	145		77					20:15	65		28				
08:30	133		51					20:30	40		33				
08:45	141	550	88	284			834	20:45	35	206	45	141			347
09:00	138		80					21:00	28		51				
09:15	125		70					21:15	20		40				
09:30	126		65					21:30	19		26				
09:45	105	494	66	281			775	21:45	12	79	18	135			214
10:00	111		98					22:00	11		20				
10:15	105		84					22:15	12		16				
10:30	121		77					22:30	8		11				
10:45	88	425	84	343			768	22:45	9	40	8	55			95
11:00	95		95					23:00	5		9				
11:15	105		105					23:15	7		5				
11:30	89		111					23:30	9		7				
11:45	94	383	115	426			809	23:45	5	26	8	29			55
Total Vol.		2856		1897			**4753**			2944		3490			**6434**

Daily Totals

NB	SB	EB	WB	**Combined**
5800	5387			**11187**

	AM			**PM**		
Split %	60.1%	39.9%	**42.5%**	45.8%	54.2%	**57.5%**
Peak Hour	07:15	11:15	**07:15**	16:45	15:45	**16:45**
Volume	648	439	**982**	440	532	**937**
P.H.F.	0.85	0.95	**0.86**	0.98	0.88	**0.94**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Fashion Valley Road, From Friars Road to Hotel Circle North

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	12		8					12:00	101		88				
00:15	8		9					12:15	97		70				
00:30	6		9					12:30	116		65				
00:45	5	31	5	31			62	12:45	121	435	55	278			713
01:00	4		4					13:00	103		40				
01:15	3		1					13:15	141		68				
01:30	2		1					13:30	106		70				
01:45	1	10	0	6			16	13:45	84	434	84	262			696
02:00	0		0					14:00	99		88				
02:15	1		0					14:15	91		95				
02:30	2		1					14:30	77		99				
02:45	0	3	2	3			6	14:45	84	351	90	372			723
03:00	1		0					15:00	105		80				
03:15	2		0					15:15	114		77				
03:30	0		1					15:30	103		65				
03:45	0	3	2	3			6	15:45	88	410	88	310			720
04:00	0		1					16:00	121		81				
04:15	1		2					16:15	135		105				
04:30	1		6					16:30	151		84				
04:45	2	4	0	9			13	16:45	144	551	111	381			932
05:00	6		0					17:00	145		116				
05:15	5		1					17:15	128		108				
05:30	10		6					17:30	108		121				
05:45	8	29	10	17			46	17:45	111	492	103	448			940
06:00	12		18					18:00	90		84				
06:15	18		22					18:15	101		95				
06:30	22		31					18:30	88		105				
06:45	51	103	25	96			199	18:45	98	377	111	395			772
07:00	68		35					19:00	70		84				
07:15	66		45					19:15	54		90				
07:30	62		51					19:30	66		70				
07:45	84	280	40	171			451	19:45	54	244	77	321			565
08:00	95		65					20:00	40		54				
08:15	111		66					20:15	32		40				
08:30	108		68					20:30	22		22				
08:45	105	419	51	250			669	20:45	28	122	28	144			266
09:00	95		40					21:00	21		23				
09:15	94		55					21:15	30		18				
09:30	84		51					21:30	25		26				
09:45	88	361	65	211			572	21:45	15	91	22	89			180
10:00	81		41					22:00	11		15				
10:15	70		33					22:15	8		9				
10:30	65		51					22:30	9		12				
10:45	55	271	48	173			444	22:45	12	40	8	44			84
11:00	98		64					23:00	5		9				
11:15	77		68					23:15	8		6				
11:30	91		70					23:30	9		5				
11:45	111	377	55	257			634	23:45	5	27	4	24			51
Total Vol.		1891		1227			**3118**			3574		3068			**6642**

Daily Totals

NB	SB	EB	WB	**Combined**
5465	4295			**9760**

	AM			**PM**		
Split %	60.6%	39.4%	**31.9%**	53.8%	46.2%	**68.1%**
Peak Hour	11:45	11:30	**11:45**	16:15	16:45	**16:15**
Volume	425	283	**703**	575	456	**991**
P.H.F.	0.92	0.80	**0.93**	0.95	0.94	**0.95**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Fashion Valley Road, From Friars Road to Hotel Circle North

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	7		9					12:00	108		70				
00:15	5		12					12:15	115		61				
00:30	4		5					12:30	115		66				
00:45	5	21	4	30			51	12:45	131	469	84	281			750
01:00	6		3					13:00	114		88				
01:15	8		2					13:15	108		91				
01:30	6		1					13:30	111		66				
01:45	5	25	0	6			31	13:45	106	439	68	313			752
02:00	3		1					14:00	84		94				
02:15	2		2					14:15	95		84				
02:30	1		2					14:30	133		81				
02:45	0	6	3	8			14	14:45	104	416	95	354			770
03:00	1		0					15:00	121		68				
03:15	2		2					15:15	111		77				
03:30	1		0					15:30	98		84				
03:45	0	4	1	3			7	15:45	106	436	91	320			756
04:00	2		2					16:00	115		91				
04:15	2		5					16:15	116		98				
04:30	6		4					16:30	168		90				
04:45	2	12	6	17			29	16:45	141	540	88	367			907
05:00	8		9					17:00	108		126				
05:15	9		6					17:15	115		105				
05:30	11		6					17:30	126		108				
05:45	16	44	5	26			70	17:45	103	452	111	450			902
06:00	21		11					18:00	109		91				
06:15	18		16					18:15	115		105				
06:30	23		20					18:30	103		111				
06:45	44	106	18	65			171	18:45	87	414	95	402			816
07:00	51		35					19:00	91		84				
07:15	66		28					19:15	66		95				
07:30	52		31					19:30	54		65				
07:45	94	263	45	139			402	19:45	70	281	44	288			569
08:00	98		55					20:00	84		51				
08:15	115		51					20:15	66		62				
08:30	94		62					20:30	54		35				
08:45	81	388	48	216			604	20:45	40	244	32	180			424
09:00	88		60					21:00	32		41				
09:15	95		55					21:15	33		20				
09:30	84		62					21:30	21		11				
09:45	81	348	78	255			603	21:45	19	105	15	87			192
10:00	96		65					22:00	15		19				
10:15	77		35					22:15	18		20				
10:30	84		44					22:30	10		11				
10:45	94	351	51	195			546	22:45	11	54	16	66			120
11:00	105		51					23:00	9		8				
11:15	91		66					23:15	10		9				
11:30	115		58					23:30	5		5				
11:45	121	432	53	228			660	23:45	4	28	8	30			58
Total Vol.		2000		1188			**3188**			3878		3138			**7016**

Daily Totals

NB	SB	EB	WB	**Combined**
5878	4326			**10204**

	AM			**PM**		
Split %	62.7%	37.3%	**31.2%**	55.3%	44.7%	**68.8%**
Peak Hour	11:30	09:15	**11:45**	16:00	17:00	**16:30**
Volume	459	260	**709**	540	450	**941**
P.H.F.	0.95	0.83	**0.98**	0.84	0.89	**0.91**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Bachman Place, From Hotel Circle South to Lewis Street

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	9		4					12:00	78		48				
00:15	13		3					12:15	55		52				
00:30	3		3					12:30	75		69				
00:45	8	33	3	13			46	12:45	53	261	59	228			489
01:00	5		2					13:00	70		66				
01:15	4		5					13:15	69		60				
01:30	13		3					13:30	65		58				
01:45	2	24	3	13			37	13:45	56	260	74	258			518
02:00	0		2					14:00	86		48				
02:15	1		2					14:15	73		41				
02:30	1		0					14:30	87		54				
02:45	3	5	1	5			10	14:45	68	314	60	203			517
03:00	1		3					15:00	110		49				
03:15	2		1					15:15	112		49				
03:30	4		4					15:30	126		52				
03:45	1	8	4	12			20	15:45	103	451	58	208			659
04:00	3		4					16:00	138		62				
04:15	4		2					16:15	121		49				
04:30	4		3					16:30	165		53				
04:45	5	16	8	17			33	16:45	146	570	75	239			809
05:00	7		11					17:00	139		78				
05:15	9		17					17:15	109		105				
05:30	5		24					17:30	124		83				
05:45	17	38	44	96			134	17:45	93	465	90	356			821
06:00	21		35					18:00	92		93				
06:15	21		66					18:15	91		78				
06:30	27		108					18:30	68		88				
06:45	22	91	171	380			471	18:45	69	320	87	346			666
07:00	44		92					19:00	70		42				
07:15	54		122					19:15	68		43				
07:30	123		113					19:30	133		39				
07:45	77	298	149	476			774	19:45	69	340	33	157			497
08:00	69		128					20:00	45		25				
08:15	47		101					20:15	39		36				
08:30	64		89					20:30	35		33				
08:45	61	241	99	417			658	20:45	23	142	24	118			260
09:00	59		74					21:00	39		29				
09:15	41		50					21:15	29		29				
09:30	36		48					21:30	29		23				
09:45	39	175	50	222			397	21:45	23	120	21	102			222
10:00	53		59					22:00	8		14				
10:15	43		49					22:15	14		19				
10:30	37		51					22:30	18		15				
10:45	48	181	38	197			378	22:45	15	55	11	59			114
11:00	67		51					23:00	19		5				
11:15	58		45					23:15	17		11				
11:30	50		28					23:30	22		11				
11:45	64	239	52	176			415	23:45	10	68	7	34			102
Total Vol.		1349		2024			**3373**			3366		2308			**5674**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	4715	4332			**9047**

	AM			PM		
Split %	40.0%	60.0%	**37.3%**	59.3%	40.7%	**62.7%**
Peak Hour	07:15	07:15	**07:15**	16:15	17:15	**16:30**
Volume	323	512	**835**	571	371	**870**
P.H.F.	0.66	0.86	**0.88**	0.88	0.88	**0.98**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Bachman Place, From Hotel Circle South to Lewis Street

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	14		9					12:00	64		49				
00:15	8		1					12:15	76		63				
00:30	5		2					12:30	54		63				
00:45	13	40	2	14			54	12:45	57	251	59	234			485
01:00	6		0					13:00	61		55				
01:15	0		6					13:15	56		43				
01:30	3		4					13:30	57		63				
01:45	6	15	2	12			27	13:45	62	236	46	207			443
02:00	3		2					14:00	79		52				
02:15	7		3					14:15	81		65				
02:30	2		3					14:30	96		55				
02:45	2	14	1	9			23	14:45	79	335	64	236			571
03:00	1		0					15:00	88		49				
03:15	1		1					15:15	91		53				
03:30	2		2					15:30	132		46				
03:45	1	5	4	7			12	15:45	123	434	39	187			621
04:00	2		1					16:00	144		48				
04:15	3		5					16:15	138		69				
04:30	4		2					16:30	154		61				
04:45	8	17	8	16			33	16:45	158	594	77	255			849
05:00	7		16					17:00	126		72				
05:15	9		15					17:15	139		72				
05:30	11		19					17:30	137		87				
05:45	14	41	44	94			135	17:45	111	513	79	310			823
06:00	18		44					18:00	82		83				
06:15	21		74					18:15	79		72				
06:30	21		122					18:30	79		82				
06:45	14	74	128	368			442	18:45	72	312	100	337			649
07:00	50		93					19:00	54		55				
07:15	60		100					19:15	67		47				
07:30	131		111					19:30	108		46				
07:45	88	329	169	473			802	19:45	82	311	37	185			496
08:00	65		111					20:00	58		44				
08:15	121		105					20:15	33		34				
08:30	84		109					20:30	43		21				
08:45	66	336	128	453			789	20:45	30	164	34	133			297
09:00	45		72					21:00	38		26				
09:15	45		62					21:15	24		28				
09:30	53		48					21:30	28		30				
09:45	51	194	45	227			421	21:45	15	105	18	102			207
10:00	50		46					22:00	18		14				
10:15	50		37					22:15	15		26				
10:30	37		64					22:30	20		13				
10:45	46	183	46	193			376	22:45	16	69	17	70			139
11:00	54		37					23:00	23		17				
11:15	40		56					23:15	27		12				
11:30	52		44					23:30	26		12				
11:45	61	207	51	188			395	23:45	12	88	5	46			134
Total Vol.		1455		2054			**3509**			3412		2302			**5714**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	4867	4356			**9223**

	AM			**PM**		
Split %	41.5%	58.5%	**38.0%**	59.7%	40.3%	**62.0%**
Peak Hour	07:30	07:30	**07:30**	16:00	18:00	**16:45**
Volume	405	496	**901**	594	337	**868**
P.H.F.	0.77	0.73	**0.88**	0.96	0.84	**0.92**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Avenida Del Rio, From Fashion Valley Parking Lot to Camino De La Reina

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	3		5					12:00	114		70				
00:15	3		3					12:15	110		58				
00:30	2		1					12:30	114		69				
00:45	1	9	2	11			20	12:45	127	465	58	255			720
01:00	1		6					13:00	99		86				
01:15	2		1					13:15	112		74				
01:30	1		0					13:30	110		82				
01:45	0	4	0	7			11	13:45	110	431	69	311			742
02:00	2		0					14:00	78		99				
02:15	2		0					14:15	76		83				
02:30	0		1					14:30	85		78				
02:45	1	5	2	3			8	14:45	83	322	64	324			646
03:00	0		0					15:00	77		85				
03:15	0		0					15:15	94		78				
03:30	0		0					15:30	86		62				
03:45	2	2	0	0			2	15:45	86	343	72	297			640
04:00	0		0					16:00	74		75				
04:15	0		2					16:15	97		90				
04:30	1		0					16:30	87		94				
04:45	6	7	2	4			11	16:45	91	349	93	352			701
05:00	6		0					17:00	108		106				
05:15	8		4					17:15	87		111				
05:30	9		1					17:30	106		99				
05:45	20	43	3	8			51	17:45	101	402	96	412			814
06:00	7		9					18:00	103		101				
06:15	7		5					18:15	75		79				
06:30	18		6					18:30	103		82				
06:45	32	64	9	29			93	18:45	110	391	84	346			737
07:00	24		2					19:00	70		88				
07:15	33		10					19:15	89		78				
07:30	31		8					19:30	70		66				
07:45	36	124	16	36			160	19:45	57	286	65	297			583
08:00	32		25					20:00	40		71				
08:15	32		21					20:15	45		79				
08:30	41		15					20:30	40		74				
08:45	54	159	13	74			233	20:45	34	159	62	286			445
09:00	58		16					21:00	16		91				
09:15	69		21					21:15	15		73				
09:30	61		23					21:30	11		61				
09:45	78	266	21	81			347	21:45	11	53	26	251			304
10:00	75		19					22:00	19		28				
10:15	68		36					22:15	11		15				
10:30	83		28					22:30	7		13				
10:45	104	330	42	125			455	22:45	5	42	17	73			115
11:00	95		43					23:00	7		9				
11:15	101		46					23:15	2		11				
11:30	95		60					23:30	3		4				
11:45	113	404	59	208			612	23:45	3	15	7	31			46
Total Vol.		1417		586			**2003**			3258		3235			**6493**

Daily Totals

NB	SB	EB	WB	**Combined**
4675	3821			**8496**

	AM			PM		
Split %	70.7%	29.3%	**23.6%**	50.2%	49.8%	**76.4%**
Peak Hour	11:45	11:45	**11:45**	12:00	17:00	**17:00**
Volume	451	256	**707**	465	412	**814**
P.H.F.	0.99	0.91	**0.96**	0.99	0.93	**0.95**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Avenida Del Rio, From Fashion Valley Parking Lot to Camino De La Reina

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	4		5					12:00	107		60				
00:15	2		14					12:15	132		62				
00:30	1		3					12:30	111		76				
00:45	3	10	0	22			32	12:45	125	475	87	285			760
01:00	1		1					13:00	83		82				
01:15	0		2					13:15	134		78				
01:30	0		1					13:30	99		94				
01:45	1	2	0	4			6	13:45	110	426	100	354			780
02:00	0		1					14:00	100		80				
02:15	1		0					14:15	94		94				
02:30	0		2					14:30	101		91				
02:45	4	5	2	5			10	14:45	95	390	66	331			721
03:00	1		0					15:00	97		70				
03:15	1		0					15:15	75		88				
03:30	1		0					15:30	78		82				
03:45	2	5	1	1			6	15:45	97	347	72	312			659
04:00	1		0					16:00	77		106				
04:15	1		0					16:15	82		84				
04:30	4		0					16:30	110		97				
04:45	4	10	2	2			12	16:45	91	360	106	393			753
05:00	4		1					17:00	112		116				
05:15	6		5					17:15	96		119				
05:30	9		2					17:30	104		105				
05:45	16	35	1	9			44	17:45	114	426	89	429			855
06:00	12		5					18:00	106		92				
06:15	17		4					18:15	78		87				
06:30	16		5					18:30	96		85				
06:45	28	73	6	20			93	18:45	98	378	71	335			713
07:00	20		9					19:00	75		95				
07:15	23		7					19:15	82		89				
07:30	31		15					19:30	72		80				
07:45	33	107	25	56			163	19:45	59	288	68	332			620
08:00	49		16					20:00	44		82				
08:15	64		18					20:15	49		61				
08:30	41		23					20:30	38		56				
08:45	69	223	19	76			299	20:45	28	159	67	266			425
09:00	58		21					21:00	33		82				
09:15	74		19					21:15	28		67				
09:30	74		23					21:30	13		65				
09:45	80	286	33	96			382	21:45	14	88	50	264			352
10:00	75		29					22:00	10		38				
10:15	86		20					22:15	12		39				
10:30	79		47					22:30	13		20				
10:45	97	337	36	132			469	22:45	9	44	13	110			154
11:00	92		49					23:00	4		14				
11:15	114		52					23:15	7		21				
11:30	94		51					23:30	0		10				
11:45	114	414	55	207			621	23:45	6	17	1	46			63
Total Vol.		1507		630			**2137**			3398		3457			**6855**

Daily Totals

NB	SB	EB	WB	**Combined**
4905	4087			**8992**

	AM			**PM**		
Split %	70.5%	29.5%	**23.8%**	49.6%	50.4%	**76.2%**
Peak Hour	11:45	11:45	**11:45**	12:00	16:45	**17:00**
Volume	464	253	**717**	475	446	**855**
P.H.F.	0.88	0.83	**0.92**	0.87	0.94	**0.94**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Ulric Street, From Fashion Hills Boulevard to 600 Feet South of Fashion Hills Boulevard

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	22		12					12:00	277		81				
00:15	16		11					12:15	262		65				
00:30	18		15					12:30	268		77				
00:45	20	76	9	47			123	12:45	284	1091	81	304			1395
01:00	15		10					13:00	252		90				
01:15	11		5					13:15	268		84				
01:30	9		4					13:30	278		70				
01:45	12	47	6	25			72	13:45	285	1083	65	309			1392
02:00	5		8					14:00	265		88				
02:15	9		9					14:15	270		70				
02:30	9		5					14:30	265		84				
02:45	10	33	4	26			59	14:45	254	1054	85	327			1381
03:00	6		5					15:00	288		95				
03:15	5		5					15:15	295		77				
03:30	11		6					15:30	305		84				
03:45	16	38	5	21			59	15:45	322	1210	95	351			1561
04:00	20		5					16:00	318		105				
04:15	15		4					16:15	352		121				
04:30	21		11					16:30	362		118				
04:45	22	78	9	29			107	16:45	335	1367	105	449			1816
05:00	40		8					17:00	342		121				
05:15	65		11					17:15	340		88				
05:30	70		15					17:30	362		141				
05:45	84	259	22	56			315	17:45	266	1310	95	445			1755
06:00	105		32					18:00	215		88				
06:15	111		40					18:15	226		95				
06:30	151		50					18:30	205		70				
06:45	184	551	60	182			733	18:45	218	864	105	358			1222
07:00	251		88					19:00	184		88				
07:15	245		81					19:15	161		70				
07:30	262		95					19:30	151		65				
07:45	268	1026	115	379			1405	19:45	165	661	75	298			959
08:00	235		105					20:00	102		45				
08:15	242		88					20:15	111		65				
08:30	218		95					20:30	121		35				
08:45	205	900	99	387			1287	20:45	105	439	40	185			624
09:00	205		70					21:00	88		41				
09:15	218		84					21:15	90		35				
09:30	203		88					21:30	70		28				
09:45	222	848	70	312			1160	21:45	65	313	20	124			437
10:00	214		65					22:00	70		12				
10:15	215		77					22:15	54		19				
10:30	222		84					22:30	22		12				
10:45	235	886	95	321			1207	22:45	35	181	18	61			242
11:00	262		88					23:00	41		20				
11:15	235		70					23:15	35		15				
11:30	242		65					23:30	28		19				
11:45	269	1008	77	300			1308	23:45	21	125	20	74			199
Total Vol.		5750		2085			**7835**			9698		3285			**12983**

Daily Totals

NB	SB	EB	WB	**Combined**
15448	5370			**20818**

	AM			**PM**		
Split %	73.4%	26.6%	**37.6%**	74.7%	25.3%	**62.4%**
Peak Hour	11:45	07:30	**07:30**	16:15	16:15	**16:15**
Volume	1076	403	**1410**	1391	465	**1856**
P.H.F.	0.97	0.88	**0.92**	0.96	0.96	**0.97**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Ulric Street, From Fashion Hills Boulevard to 600 Feet South of Fashion Hills Boulevard

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	18		19					12:00	235		70				
00:15	20		20					12:15	242		66				
00:30	16		16					12:30	222		70				
00:45	11	65	11	66			131	12:45	218	917	71	277			1194
01:00	15		15					13:00	242		88				
01:15	19		9					13:15	235		95				
01:30	12		12					13:30	215		90				
01:45	8	54	8	44			98	13:45	262	954	80	353			1307
02:00	9		9					14:00	244		88				
02:15	10		7					14:15	251		70				
02:30	5		5					14:30	235		88				
02:45	4	28	6	27			55	14:45	242	972	95	341			1313
03:00	9		8					15:00	284		99				
03:15	5		5					15:15	265		95				
03:30	4		4					15:30	277		70				
03:45	6	24	5	22			46	15:45	289	1115	81	345			1460
04:00	9		1					16:00	305		95				
04:15	10		6					16:15	318		141				
04:30	18		5					16:30	335		121				
04:45	20	57	12	24			81	16:45	355	1313	135	492			1805
05:00	16		18					17:00	362		111				
05:15	33		20					17:15	333		105				
05:30	45		16					17:30	318		101				
05:45	68	162	26	80			242	17:45	305	1318	88	405			1723
06:00	70		44					18:00	288		95				
06:15	84		51					18:15	295		70				
06:30	121		68					18:30	222		77				
06:45	145	420	88	251			671	18:45	213	1018	84	326			1344
07:00	184		95					19:00	205		95				
07:15	191		70					19:15	184		70				
07:30	226		84					19:30	151		65				
07:45	235	836	121	370			1206	19:45	140	680	66	296			976
08:00	265		111					20:00	111		68				
08:15	251		115					20:15	106		70				
08:30	242		103					20:30	88		54				
08:45	216	974	95	424			1398	20:45	95	400	40	232			632
09:00	222		106					21:00	70		32				
09:15	215		111					21:15	65		33				
09:30	184		84					21:30	88		35				
09:45	191	812	95	396			1208	21:45	50	273	28	128			401
10:00	165		70					22:00	40		20				
10:15	174		65					22:15	44		22				
10:30	184		77					22:30	41		16				
10:45	225	748	84	296			1044	22:45	38	163	18	76			239
11:00	205		75					23:00	25		20				
11:15	213		84					23:15	30		15				
11:30	226		70					23:30	32		19				
11:45	242	886	65	294			1180	23:45	25	112	20	74			186
Total Vol.		5066		2294			**7360**			9235		3345			**12580**

Daily Totals

NB	SB	EB	WB	**Combined**
14301	5639			**19940**

	AM			**PM**		
Split %	68.8%	31.2%	**36.9%**	73.4%	26.6%	**63.1%**
Peak Hour	07:45	07:45	**07:45**	16:30	16:15	**16:15**
Volume	993	450	**1443**	1385	508	**1878**
P.H.F.	0.94	0.93	**0.96**	0.98	0.90	**0.96**

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Ulric Street, From 600 Feet South of Fashion Hills Boulevard to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	27		17					12:00	125		125				
00:15	29		15					12:15	115		134				
00:30	27		12					12:30	139		140				
00:45	22	105	7	51			156	12:45	113	492	145	544			1036
01:00	16		9					13:00	124		140				
01:15	17		6					13:15	130		157				
01:30	10		5					13:30	130		120				
01:45	13	56	6	26			82	13:45	132	516	125	542			1058
02:00	11		6					14:00	144		129				
02:15	10		7					14:15	171		128				
02:30	13		9					14:30	149		166				
02:45	8	42	7	29			71	14:45	166	630	145	568			1198
03:00	7		6					15:00	207		177				
03:15	5		6					15:15	196		210				
03:30	9		15					15:30	159		181				
03:45	1	22	13	40			62	15:45	188	750	178	746			1496
04:00	3		10					16:00	179		225				
04:15	7		14					16:15	181		217				
04:30	16		34					16:30	180		206				
04:45	5	31	36	94			125	16:45	185	725	265	913			1638
05:00	12		38					17:00	186		229				
05:15	18		37					17:15	181		244				
05:30	21		59					17:30	185		253				
05:45	40	91	73	207			298	17:45	170	722	248	974			1696
06:00	35		88					18:00	164		235				
06:15	51		103					18:15	186		200				
06:30	62		165					18:30	173		186				
06:45	96	244	163	519			763	18:45	152	675	205	826			1501
07:00	89		160					19:00	163		158				
07:15	114		194					19:15	158		132				
07:30	121		206					19:30	159		119				
07:45	148	472	209	769			1241	19:45	163	643	100	509			1152
08:00	151		193					20:00	155		127				
08:15	121		224					20:15	146		95				
08:30	143		207					20:30	124		85				
08:45	95	510	211	835			1345	20:45	136	561	71	378			939
09:00	102		151					21:00	145		84				
09:15	126		167					21:15	136		83				
09:30	87		135					21:30	112		64				
09:45	106	421	131	584			1005	21:45	96	489	47	278			767
10:00	89		139					22:00	118		53				
10:15	95		125					22:15	89		51				
10:30	101		155					22:30	70		36				
10:45	113	398	156	575			973	22:45	65	342	36	176			518
11:00	125		152					23:00	47		24				
11:15	125		120					23:15	49		37				
11:30	133		126					23:30	41		17				
11:45	145	528	124	522			1050	23:45	32	169	20	98			267
Total Vol.		2920		4251			**7171**			6714		6552			**13266**

Daily Totals

NB	SB	EB	WB	**Combined**
9634	10803			**20437**

	AM			**PM**		
Split %	40.7%	59.3%	**35.1%**	50.6%	49.4%	**64.9%**
Peak Hour	07:45	08:00	**07:45**	15:00	16:45	**16:45**
Volume	563	835	**1396**	750	991	**1728**
P.H.F.	0.93	0.93	**0.98**	0.87	0.93	**0.96**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Ulric Street, From 600 Feet South of Fashion Hills Boulevard to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	41		16					12:00	145		145				
00:15	27		20					12:15	129		144				
00:30	24		7					12:30	123		133				
00:45	22	114	9	52			166	12:45	152	549	146	568			1117
01:00	17		6					13:00	142		128				
01:15	14		9					13:15	145		139				
01:30	20		6					13:30	135		127				
01:45	14	65	5	26			91	13:45	144	566	128	522			1088
02:00	11		5					14:00	176		123				
02:15	15		5					14:15	158		149				
02:30	7		1					14:30	177		170				
02:45	7	40	7	18			58	14:45	194	705	136	578			1283
03:00	5		4					15:00	199		150				
03:15	8		11					15:15	190		202				
03:30	10		15					15:30	177		165				
03:45	4	27	12	42			69	15:45	195	761	200	717			1478
04:00	3		9					16:00	175		195				
04:15	7		17					16:15	185		221				
04:30	8		31					16:30	200		230				
04:45	10	28	36	93			121	16:45	202	762	242	888			1650
05:00	10		36					17:00	172		255				
05:15	17		46					17:15	222		229				
05:30	18		54					17:30	215		261				
05:45	35	80	69	205			285	17:45	177	786	209	954			1740
06:00	26		80					18:00	127		204				
06:15	56		113					18:15	192		180				
06:30	47		155					18:30	152		138				
06:45	91	220	163	511			731	18:45	163	634	163	685			1319
07:00	91		162					19:00	155		137				
07:15	127		193					19:15	163		125				
07:30	167		215					19:30	157		148				
07:45	150	535	246	816			1351	19:45	151	626	103	513			1139
08:00	135		202					20:00	130		89				
08:15	119		185					20:15	106		95				
08:30	95		204					20:30	137		71				
08:45	127	476	197	788			1264	20:45	130	503	82	337			840
09:00	78		159					21:00	132		66				
09:15	109		155					21:15	135		84				
09:30	98		171					21:30	121		68				
09:45	75	360	163	648			1008	21:45	91	479	70	288			767
10:00	94		128					22:00	103		66				
10:15	97		136					22:15	94		47				
10:30	94		150					22:30	85		35				
10:45	116	401	127	541			942	22:45	59	341	35	183			524
11:00	134		151					23:00	72		41				
11:15	114		145					23:15	68		28				
11:30	105		134					23:30	44		38				
11:45	123	476	131	561			1037	23:45	37	221	18	125			346
Total Vol.		2822		4301			**7123**			6933		6358			**13291**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	9755	10659			**20414**

	AM			**PM**		
Split %	39.6%	60.4%	**34.9%**	52.2%	47.8%	**65.1%**
Peak Hour	07:15	07:15	**07:15**	16:45	16:45	**16:45**
Volume	579	856	**1435**	811	987	**1798**
P.H.F.	0.87	0.87	**0.91**	0.92	0.95	**0.94**

Prepared by NDS/ATD

VOLUME

Camino De La Siesta Bet. Camino De La Reina & Camino Del Rio North

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_085

DAILY TOTALS	NB	SB	EB	WB	Total
	2,671	2,407	0	0	5,078

AM Period	NB		SB		EB		WB		TOTAL	
00:00	2		3						5	
00:15	2		2						4	
00:30	1		1						2	
00:45	0	5	0	6					0	11
01:00	2		1						3	
01:15	3		1						4	
01:30	3		5						8	
01:45	2	10	0	7					2	17
02:00	1		3						4	
02:15	3		2						5	
02:30	2		0						2	
02:45	2	8	2	7					4	15
03:00	0		1						1	
03:15	1		3						4	
03:30	1		0						1	
03:45	1	3	0	4					1	7
04:00	1		2						3	
04:15	3		0						3	
04:30	1		0						1	
04:45	1	6	3	5					4	11
05:00	2		1						3	
05:15	5		4						9	
05:30	5		1						6	
05:45	14	26	4	10					18	36
06:00	14		1						15	
06:15	7		9						16	
06:30	12		7						19	
06:45	21	54	12	29					33	83
07:00	25		11						36	
07:15	17		12						29	
07:30	29		13						42	
07:45	38	109	14	50					52	159
08:00	38		19						57	
08:15	51		23						74	
08:30	51		22						73	
08:45	40	180	18	82					58	262
09:00	53		22						75	
09:15	31		21						52	
09:30	48		22						70	
09:45	42	174	26	91					68	265
10:00	25		24						49	
10:15	35		31						66	
10:30	41		27						68	
10:45	46	147	31	113					77	260
11:00	47		33						80	
11:15	48		30						78	
11:30	44		49						93	
11:45	56	195	36	148					92	343
TOTALS		917		552						**1469**
SPLIT %		62.4%		37.6%						**28.9%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00	63		42						105	
12:15	70		35						105	
12:30	53		46						99	
12:45	67	253	40	163					107	416
13:00	61		44						105	
13:15	55		43						98	
13:30	49		35						84	
13:45	55	220	37	159					92	379
14:00	57		46						103	
14:15	50		42						92	
14:30	49		49						98	
14:45	62	218	39	176					101	394
15:00	46		42						88	
15:15	56		52						108	
15:30	57		49						106	
15:45	44	203	44	187					88	390
16:00	51		78						129	
16:15	46		58						104	
16:30	66		79						145	
16:45	55	218	69	284					124	502
17:00	58		102						160	
17:15	49		70						119	
17:30	43		76						119	
17:45	42	192	60	308					102	500
18:00	48		62						110	
18:15	33		52						85	
18:30	46		50						96	
18:45	26	153	35	199					61	352
19:00	38		41						79	
19:15	35		31						66	
19:30	35		26						61	
19:45	18	126	35	133					53	259
20:00	14		32						46	
20:15	26		21						47	
20:30	24		23						47	
20:45	11	75	19	95					30	170
21:00	14		34						48	
21:15	8		30						38	
21:30	15		14						29	
21:45	14	51	17	95					31	146
22:00	11		15						26	
22:15	8		7						15	
22:30	5		3						8	
22:45	1	25	6	31					7	56
23:00	4		16						20	
23:15	6		3						9	
23:30	4		4						8	
23:45	6	20	2	25					8	45
TOTALS		1754		1855						**3609**
SPLIT %		48.6%		51.4%						**71.1%**

DAILY TOTALS	NB	SB	EB	WB	Total
	2,671	2,407	0	0	5,078

AM Peak Hour	11:45	11:30			11:45
AM Pk Volume	242	162			401
Pk Hr Factor	0.864	0.827			0.955
7 - 9 Volume	289	132	0	0	421
7 - 9 Peak Hour	08:00	08:00			08:00
7 - 9 Pk Volume	180	82	0	0	262
Pk Hr Factor	0.882	0.891	0.000	0.000	0.885

PM Peak Hour	12:00	16:30			16:30
PM Pk Volume	253	320			548
Pk Hr Factor	0.904	0.784			0.856
4 - 6 Volume	410	592	0	0	1002
4 - 6 Peak Hour	16:30	16:30			16:30
4 - 6 Pk Volume	228	320	0	0	548
Pk Hr Factor	0.864	0.784	0.000	0.000	0.856

Prepared by NDS/ATD

VOLUME

Camino De La Siesta Bet. Camino De La Reina & Camino Del Rio North

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_085

DAILY TOTALS	NB	SB	EB	WB	Total
	2,747	2,465	0	0	5,212

AM Period	NB		SB		EB		WB		TOTAL	
00:00	2		4						6	
00:15	2		3						5	
00:30	1		4						5	
00:45	2	7	0	11					2	18
01:00	2		0						2	
01:15	1		0						1	
01:30	1		3						4	
01:45	0	4	0	3					0	7
02:00	2		3						5	
02:15	1		0						1	
02:30	1		0						1	
02:45	4	8	0	3					4	11
03:00	3		5						8	
03:15	0		4						4	
03:30	1		2						3	
03:45	2	6	0	11					2	17
04:00	0		3						3	
04:15	0		1						1	
04:30	0		2						2	
04:45	4	4	3	9					7	13
05:00	1		1						2	
05:15	7		2						9	
05:30	7		2						9	
05:45	5	20	2	7					7	27
06:00	6		1						7	
06:15	10		4						14	
06:30	8		7						15	
06:45	10	34	6	18					16	52
07:00	10		15						25	
07:15	17		7						24	
07:30	28		18						46	
07:45	43	98	8	48					51	146
08:00	34		6						40	
08:15	49		20						69	
08:30	35		22						57	
08:45	46	164	20	68					66	232
09:00	50		16						66	
09:15	50		24						74	
09:30	32		23						55	
09:45	45	177	18	81					63	258
10:00	42		26						68	
10:15	52		30						82	
10:30	37		29						66	
10:45	46	177	27	112					73	289
11:00	53		37						90	
11:15	55		34						89	
11:30	54		42						96	
11:45	68	230	44	157					112	387
TOTALS		929		528						1457
SPLIT %		63.8%		36.2%						28.0%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	61		48						109	
12:15	74		40						114	
12:30	73		38						111	
12:45	63	271	38	164					101	435
13:00	59		44						103	
13:15	47		52						99	
13:30	77		43						120	
13:45	62	245	37	176					99	421
14:00	55		50						105	
14:15	54		42						96	
14:30	51		43						94	
14:45	47	207	49	184					96	391
15:00	48		49						97	
15:15	55		42						97	
15:30	58		53						111	
15:45	52	213	53	197					105	410
16:00	47		71						118	
16:15	46		66						112	
16:30	54		75						129	
16:45	69	216	93	305					162	521
17:00	60		103						163	
17:15	56		69						125	
17:30	52		70						122	
17:45	43	211	45	287					88	498
18:00	44		53						97	
18:15	42		66						108	
18:30	46		49						95	
18:45	32	164	30	198					62	362
19:00	28		31						59	
19:15	34		32						66	
19:30	29		26						55	
19:45	26	117	27	116					53	233
20:00	18		23						41	
20:15	28		22						50	
20:30	12		23						35	
20:45	14	72	26	94					40	166
21:00	17		42						59	
21:15	16		43						59	
21:30	10		18						28	
21:45	15	58	28	131					43	189
22:00	6		19						25	
22:15	2		16						18	
22:30	11		13						24	
22:45	7	26	9	57					16	83
23:00	6		11						17	
23:15	4		8						12	
23:30	3		5						8	
23:45	5	18	4	28					9	46
TOTALS		1818		1937						3755
SPLIT %		48.4%		51.6%						72.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,747	2,465	0	0	5,212

AM Peak Hour	11:45	11:30			11:45
AM Pk Volume	276	174			446
Pk Hr Factor	0.932	0.906			0.978
7 - 9 Volume	262	116	0	0	378
7 - 9 Peak Hour	08:00	08:00			08:00
7 - 9 Pk Volume	164	68	0	0	232
Pk Hr Factor	0.837	0.773	0.000	0.000	0.841

PM Peak Hour	12:00	16:30			16:30
PM Pk Volume	271	340			579
Pk Hr Factor	0.916	0.825			0.888
4 - 6 Volume	427	592	0	0	1019
4 - 6 Peak Hour	16:30	16:30			16:30
4 - 6 Pk Volume	239	340	0	0	579
Pk Hr Factor	0.866	0.825	0.000	0.000	0.888

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Metropolitan Drive, From Mission Valley Road to Murray Canyon Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	2		3					12:00	44		20				
00:15	2		0					12:15	51		27				
00:30	0		1					12:30	58		43				
00:45	0	4	0	4			8	12:45	72	225	45	135			360
01:00	0		0					13:00	39		40				
01:15	1		0					13:15	28		47				
01:30	1		0					13:30	39		50				
01:45	0	2	1	1			3	13:45	42	148	21	158			306
02:00	0		0					14:00	77		0				
02:15	0		0					14:15	51		14				
02:30	0		1					14:30	59		30				
02:45	1	1	0	1			2	14:45	51	238	22	66			304
03:00	0		0					15:00	44		17				
03:15	0		1					15:15	56		3				
03:30	1		0					15:30	83		2				
03:45	0	1	1	2			3	15:45	56	239	14	36			275
04:00	1		2					16:00	68		15				
04:15	1		2					16:15	68		20				
04:30	1		0					16:30	100		18				
04:45	3	6	2	6			12	16:45	69	305	13	66			371
05:00	0		2					17:00	125		17				
05:15	2		1					17:15	64		22				
05:30	8		4					17:30	48		15				
05:45	8	18	8	15			33	17:45	55	292	14	68			360
06:00	9		7					18:00	42		16				
06:15	4		12					18:15	25		9				
06:30	3		16					18:30	20		9				
06:45	9	25	16	51			76	18:45	15	102	10	44			146
07:00	6		23					19:00	16		4				
07:15	21		27					19:15	12		8				
07:30	52		4					19:30	17		5				
07:45	69	148	20	74			222	19:45	14	59	6	23			82
08:00	28		77					20:00	9		10				
08:15	28		68					20:15	15		4				
08:30	24		54					20:30	6		2				
08:45	29	109	75	274			383	20:45	21	51	1	17			68
09:00	62		14					21:00	19		4				
09:15	44		3					21:15	5		3				
09:30	51		1					21:30	6		4				
09:45	46	203	8	26			229	21:45	5	35	4	15			50
10:00	21		29					22:00	0		2				
10:15	22		25					22:15	1		2				
10:30	38		24					22:30	3		3				
10:45	22	103	33	111			214	22:45	4	8	4	11			19
11:00	37		25					23:00	1		2				
11:15	46		27					23:15	1		0				
11:30	67		27					23:30	1		1				
11:45	75	225	38	117			342	23:45	1	4	1	4			8
Total Vol.		845		682			**1527**			1706		643			**2349**

Daily Totals

NB	SB	EB	WB	**Combined**
2551	1325			**3876**

	AM			**PM**		
Split %	55.3%	44.7%	**39.4%**	72.6%	27.4%	**60.6%**
Peak Hour	11:30	08:00	**08:00**	16:15	12:45	**16:15**
Volume	237	274	**383**	362	182	**430**
P.H.F.	0.79	0.89	**0.91**	0.77	0.91	**0.76**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Metropolitan Drive, From Mission Valley Road to Murray Canyon Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	1		0					12:00	67		25				
00:15	1		1					12:15	44		29				
00:30	1		1					12:30	58		31				
00:45	0	3	0	2			5	12:45	65	234	45	130			364
01:00	1		3					13:00	46		54				
01:15	1		0					13:15	30		49				
01:30	1		0					13:30	36		38				
01:45	0	3	3	6			9	13:45	38	150	31	172			322
02:00	1		0					14:00	33		40				
02:15	1		1					14:15	37		30				
02:30	0		0					14:30	32		37				
02:45	0	2	0	1			3	14:45	39	141	22	129			270
03:00	0		0					15:00	43		20				
03:15	1		1					15:15	54		21				
03:30	1		0					15:30	40		20				
03:45	0	2	1	2			4	15:45	41	178	26	87			265
04:00	0		1					16:00	75		24				
04:15	0		1					16:15	54		14				
04:30	1		0					16:30	81		18				
04:45	3	4	3	5			9	16:45	84	294	31	87			381
05:00	0		4					17:00	82		38				
05:15	5		0					17:15	84		25				
05:30	8		3					17:30	51		25				
05:45	4	17	9	16			33	17:45	42	259	19	107			366
06:00	9		6					18:00	35		16				
06:15	2		12					18:15	28		12				
06:30	5		22					18:30	16		9				
06:45	7	23	24	64			87	18:45	26	105	6	43			148
07:00	12		24					19:00	15		5				
07:15	7		37					19:15	10		4				
07:30	12		43					19:30	13		4				
07:45	19	50	74	178			228	19:45	14	52	2	15			67
08:00	25		79					20:00	10		5				
08:15	19		77					20:15	12		3				
08:30	24		74					20:30	13		3				
08:45	27	95	57	287			382	20:45	22	57	2	13			70
09:00	29		49					21:00	12		4				
09:15	26		41					21:15	7		2				
09:30	24		20					21:30	6		0				
09:45	25	104	24	134			238	21:45	7	32	3	9			41
10:00	22		32					22:00	6		0				
10:15	31		36					22:15	7		2				
10:30	20		20					22:30	2		2				
10:45	23	96	25	113			209	22:45	1	16	4	8			24
11:00	30		24					23:00	3		3				
11:15	43		17					23:15	2		0				
11:30	48		24					23:30	2		2				
11:45	61	182	24	89			271	23:45	2	9	0	5			14
Total Vol.		581		897			**1478**			1527		805			**2332**

Daily Totals

NB	SB	EB	WB	**Combined**
2108	1702			**3810**

	AM			**PM**		
Split %	39.3%	60.7%	**38.8%**	65.5%	34.5%	**61.2%**
Peak Hour	11:45	07:45	**07:45**	16:30	12:45	**16:30**
Volume	230	304	**391**	331	186	**443**
P.H.F.	0.86	0.96	**0.94**	0.98	0.86	**0.92**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Murray Canyon Road, From Metropolitan Drive to Frazee Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			5		8			12:00			44		68		
00:15			8		9			12:15			48		51		
00:30			4		5			12:30			51		66		
00:45			5	22	4	26	48	12:45			44	187	70	255	442
01:00			6		3			13:00			58		65		
01:15			2		2			13:15			55		48		
01:30			3		1			13:30			62		51		
01:45			1	12	3	9	21	13:45			40	215	40	204	419
02:00			2		2			14:00			35		51		
02:15			1		2			14:15			44		44		
02:30			0		1			14:30			51		46		
02:45			1	4	0	5	9	14:45			68	198	68	209	407
03:00			2		0			15:00			44		77		
03:15			3		0			15:15			51		84		
03:30			1		4			15:30			65		91		
03:45			2	8	0	4	12	15:45			70	230	106	358	588
04:00			1		1			16:00			88		115		
04:15			0		0			16:15			70		135		
04:30			2		2			16:30			65		116		
04:45			3	6	3	6	12	16:45			51	274	105	471	745
05:00			4		2			17:00			84		121		
05:15			5		6			17:15			65		116		
05:30			6		5			17:30			77		103		
05:45			11	26	8	21	47	17:45			54	280	97	437	717
06:00			15		8			18:00			62		91		
06:15			20		12			18:15			35		89		
06:30			32		15			18:30			28		65		
06:45			50	117	21	56	173	18:45			33	158	66	311	469
07:00			88		32			19:00			35		40		
07:15			121		42			19:15			40		25		
07:30			135		66			19:30			35		22		
07:45			145	489	54	194	683	19:45			22	132	35	122	254
08:00			111		70			20:00			26		15		
08:15			102		65			20:15			28		18		
08:30			95		51			20:30			30		21		
08:45			88	396	44	230	626	20:45			33	117	22	76	193
09:00			53		26			21:00			25		26		
09:15			66		32			21:15			16		16		
09:30			66		38			21:30			18		19		
09:45			26	211	33	129	340	21:45			20	79	18	79	158
10:00			35		54			22:00			22		22		
10:15			38		43			22:15			16		16		
10:30			50		40			22:30			15		11		
10:45			49	172	38	175	347	22:45			11	64	10	59	123
11:00			45		48			23:00			5		16		
11:15			55		53			23:15			9		8		
11:30			55		57			23:30			12		9		
11:45			39	194	53	211	405	23:45			5	31	8	41	72
Total Vol.			1657		1066		**2723**				1965		2622		**4587**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			3622	3688	**7310**

	AM			**PM**		
Split %	60.9%	39.1%	**37.3%**	42.8%	57.2%	**62.7%**
Peak Hour	07:15	07:30	**07:30**	15:30	16:15	**15:45**
Volume	512	255	**748**	293	477	**765**
P.H.F.	0.88	0.91	**0.93**	0.83	0.88	**0.93**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Murray Canyon Road, From Metropolitan Drive to Frazee Road

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			6		7			12:00			50		50		
00:15			7		9			12:15			55		68		
00:30			7		5			12:30			65		77		
00:45			8	28	4	25	53	12:45			61	231	84	279	510
01:00			4		6			13:00			54		65		
01:15			9		6			13:15			42		55		
01:30			5		4			13:30			62		50		
01:45			6	24	2	18	42	13:45			55	213	40	210	423
02:00			4		3			14:00			45		58		
02:15			3		2			14:15			45		65		
02:30			2		1			14:30			51		70		
02:45			1	10	0	6	16	14:45			66	207	56	249	456
03:00			2		1			15:00			60		69		
03:15			2		2			15:15			68		61		
03:30			0		1			15:30			54		77		
03:45			0	4	3	7	11	15:45			44	226	84	291	517
04:00			1		0			16:00			79		121		
04:15			2		1			16:15			84		135		
04:30			3		2			16:30			65		141		
04:45			0	6	6	9	15	16:45			55	283	128	525	808
05:00			0		8			17:00			54		116		
05:15			4		9			17:15			62		105		
05:30			6		10			17:30			48		135		
05:45			9	19	8	35	54	17:45			65	229	104	460	689
06:00			12		9			18:00			51		88		
06:15			18		11			18:15			55		91		
06:30			44		17			18:30			40		69		
06:45			51	125	16	53	178	18:45			35	181	77	325	506
07:00			68		18			19:00			41		51		
07:15			91		44			19:15			32		44		
07:30			121		55			19:30			33		33		
07:45			141	421	56	173	594	19:45			29	135	28	156	291
08:00			116		62			20:00			30		31		
08:15			123		70			20:15			33		25		
08:30			105		54			20:30			34		18		
08:45			94	438	66	252	690	20:45			20	117	20	94	211
09:00			70		42			21:00			21		16		
09:15			65		42			21:15			9		19		
09:30			55		40			21:30			8		11		
09:45			40	230	35	159	389	21:45			10	48	15	61	109
10:00			30		41			22:00			11		9		
10:15			28		46			22:15			5		12		
10:30			35		33			22:30			10		5		
10:45			41	134	48	168	302	22:45			9	35	8	34	69
11:00			62		51			23:00			11		6		
11:15			44		65			23:15			15		8		
11:30			65		70			23:30			8		6		
11:45			60	231	65	251	482	23:45			9	43	5	25	68
Total Vol.				1670		1156	**2826**					1948		2709	**4657**

Daily Totals

NB	SB	EB	WB	Combined
		3618	3865	**7483**

	AM			PM		
Split %	59.1%	40.9%	**37.8%**	41.8%	58.2%	**62.2%**
Peak Hour	07:30	11:45	**07:30**	16:00	16:00	**16:00**
Volume	501	260	**744**	283	525	**808**
P.H.F.	0.89	0.84	**0.94**	0.84	0.93	**0.92**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Frazee Road, From Murray Canyon Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	19		8					12:00	148		161				
00:15	15		9					12:15	152		141				
00:30	11		4					12:30	131		184				
00:45	19	64	5	26			90	12:45	116	547	142	628			1175
01:00	12		4					13:00	105		144				
01:15	4		6					13:15	121		135				
01:30	6		3					13:30	106		126				
01:45	5	27	4	17			44	13:45	88	420	141	546			966
02:00	4		5					14:00	95		135				
02:15	3		8					14:15	106		105				
02:30	6		9					14:30	84		121				
02:45	4	17	5	27			44	14:45	95	380	145	506			886
03:00	5		6					15:00	77		151				
03:15	6		5					15:15	84		166				
03:30	8		5					15:30	98		161				
03:45	3	22	4	20			42	15:45	99	358	174	652			1010
04:00	4		3					16:00	108		184				
04:15	6		6					16:15	116		199				
04:30	5		4					16:30	126		222				
04:45	9	24	5	18			42	16:45	116	466	213	818			1284
05:00	10		9					17:00	135		205				
05:15	16		6					17:15	130		151				
05:30	22		11					17:30	115		168				
05:45	35	83	16	42			125	17:45	126	506	141	665			1171
06:00	42		21					18:00	104		121				
06:15	60		16					18:15	121		106				
06:30	88		20					18:30	106		114				
06:45	106	296	44	101			397	18:45	111	442	126	467			909
07:00	138		51					19:00	88		88				
07:15	148		50					19:15	70		94				
07:30	161		68					19:30	68		77				
07:45	189	636	52	221			857	19:45	77	303	54	313			616
08:00	222		88					20:00	54		68				
08:15	205		70					20:15	65		70				
08:30	184		68					20:30	44		55				
08:45	216	827	94	320			1147	20:45	41	204	51	244			448
09:00	189		106					21:00	35		40				
09:15	151		89					21:15	28		32				
09:30	142		121					21:30	20		28				
09:45	135	617	135	451			1068	21:45	19	102	21	121			223
10:00	126		141					22:00	20		11				
10:15	111		116					22:15	16		19				
10:30	135		135					22:30	11		20				
10:45	114	486	141	533			1019	22:45	15	62	15	65			127
11:00	118		161					23:00	18		8				
11:15	126		148					23:15	9		9				
11:30	135		151					23:30	12		12				
11:45	114	493	168	628			1121	23:45	15	54	10	39			93
Total Vol.		3592		2404			**5996**			3844		5064			**8908**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	7436	7468			**14904**

	AM			**PM**		
Split %	59.9%	40.1%	**40.2%**	43.2%	56.8%	**59.8%**
Peak Hour	08:00	11:45	**11:45**	12:00	16:15	**16:15**
Volume	827	654	**1199**	547	839	**1332**
P.H.F.	0.93	0.89	**0.95**	0.92	0.94	**0.96**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Frazee Road, From Murray Canyon Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	18		15					12:00	128		124				
00:15	20		10					12:15	145		145				
00:30	16		5					12:30	162		155				
00:45	11	65	4	34			99	12:45	121	556	162	586			1142
01:00	12		9					13:00	111		131				
01:15	11		10					13:15	108		141				
01:30	5		5					13:30	99		148				
01:45	4	32	4	28			60	13:45	91	409	151	571			980
02:00	6		6					14:00	84		122				
02:15	9		3					14:15	77		111				
02:30	5		5					14:30	95		106				
02:45	4	24	4	18			42	14:45	68	324	124	463			787
03:00	6		6					15:00	74		135				
03:15	5		5					15:15	84		128				
03:30	3		4					15:30	91		151				
03:45	6	20	5	20			40	15:45	77	326	148	562			888
04:00	5		1					16:00	126		174				
04:15	4		4					16:15	135		184				
04:30	5		4					16:30	126		198				
04:45	4	18	5	14			32	16:45	141	528	191	747			1275
05:00	8		5					17:00	122		216				
05:15	12		8					17:15	141		203				
05:30	18		11					17:30	114		165				
05:45	26	64	18	42			106	17:45	106	483	154	738			1221
06:00	35		19					18:00	116		104				
06:15	55		22					18:15	94		111				
06:30	70		26					18:30	105		103				
06:45	84	244	38	105			349	18:45	84	399	88	406			805
07:00	121		44					19:00	91		99				
07:15	145		62					19:15	77		94				
07:30	168		77					19:30	68		98				
07:45	174	608	54	237			845	19:45	74	310	65	356			666
08:00	184		68					20:00	84		70				
08:15	266		74					20:15	65		54				
08:30	206		65					20:30	44		55				
08:45	184	840	74	281			1121	20:45	51	244	44	223			467
09:00	191		94					21:00	40		48				
09:15	142		75					21:15	35		54				
09:30	152		91					21:30	28		32				
09:45	129	614	118	378			992	21:45	21	124	28	162			286
10:00	132		106					22:00	19		33				
10:15	115		126					22:15	20		16				
10:30	126		135					22:30	16		20				
10:45	108	481	145	512			993	22:45	11	66	15	84			150
11:00	126		111					23:00	9		18				
11:15	115		111					23:15	12		20				
11:30	135		135					23:30	10		16				
11:45	104	480	142	499			979	23:45	11	42	19	73			115
Total Vol.		3490		2168			**5658**			3811		4971			**8782**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	7301	7139			**14440**

	AM			**PM**		
Split %	61.7%	38.3%	**39.2%**	43.4%	56.6%	**60.8%**
Peak Hour	08:15	11:45	**08:15**	12:00	16:30	**16:30**
Volume	847	566	**1154**	556	808	**1338**
P.H.F.	0.80	0.91	**0.85**	0.92	0.94	**0.97**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Frazee Road, From Friars Road to Hazard Center Drive

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	21		24					12:00	142		151				
00:15	24		25					12:15	133		166				
00:30	16		21					12:30	128		184				
00:45	18	79	16	86			165	12:45	162	565	195	696			1261
01:00	20		20					13:00	145		167				
01:15	16		9					13:15	151		166				
01:30	11		10					13:30	111		170				
01:45	16	63	18	57			120	13:45	126	533	154	657			1190
02:00	9		16					14:00	135		162				
02:15	12		8					14:15	141		142				
02:30	5		9					14:30	128		155				
02:45	10	36	12	45			81	14:45	141	545	141	600			1145
03:00	5		5					15:00	126		165				
03:15	4		4					15:15	133		184				
03:30	6		9					15:30	145		174				
03:45	3	18	5	23			41	15:45	151	555	182	705			1260
04:00	5		10					16:00	158		218				
04:15	5		9					16:15	144		235				
04:30	6		8					16:30	184		245				
04:45	12	28	11	38			66	16:45	195	681	222	920			1601
05:00	11		20					17:00	162		206				
05:15	15		16					17:15	199		219				
05:30	20		28					17:30	168		205				
05:45	16	62	33	97			159	17:45	144	673	213	843			1516
06:00	21		31					18:00	126		222				
06:15	28		40					18:15	131		218				
06:30	35		51					18:30	125		184				
06:45	41	125	70	192			317	18:45	105	487	195	819			1306
07:00	50		88					19:00	84		162				
07:15	46		91					19:15	95		151				
07:30	51		90					19:30	106		142				
07:45	66	213	151	420			633	19:45	111	396	135	590			986
08:00	70		142					20:00	95		145				
08:15	68		162					20:15	87		156				
08:30	74		135					20:30	70		122				
08:45	66	278	144	583			861	20:45	65	317	106	529			846
09:00	61		116					21:00	70		88				
09:15	66		126					21:15	54		95				
09:30	51		131					21:30	55		70				
09:45	68	246	105	478			724	21:45	62	241	65	318			559
10:00	77		116					22:00	62		84				
10:15	84		108					22:15	40		55				
10:30	95		126					22:30	32		51				
10:45	65	321	142	492			813	22:45	28	162	40	230			392
11:00	84		168					23:00	22		35				
11:15	91		177					23:15	16		42				
11:30	121		184					23:30	19		25				
11:45	106	402	195	724			1126	23:45	20	77	22	124			201
Total Vol.		1871		3235			**5106**			5232		7031			**12263**

Daily Totals

NB	SB	EB	WB	**Combined**
7103	10266			**17369**

	AM			**PM**		
Split %	36.6%	63.4%	**29.4%**	42.7%	57.3%	**70.6%**
Peak Hour	11:45	11:00	**11:45**	16:30	16:00	**16:30**
Volume	509	724	**1205**	740	920	**1632**
P.H.F.	0.90	0.93	**0.97**	0.90	0.94	**0.95**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Frazee Road, From Friars Road to Hazard Center Drive

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	18		21					12:00	148		142				
00:15	26		28					12:15	151		174				
00:30	20		20					12:30	126		177				
00:45	24	88	19	88			176	12:45	144	569	151	644			1213
01:00	16		20					13:00	162		166				
01:15	11		15					13:15	135		184				
01:30	15		18					13:30	128		155				
01:45	19	61	21	74			135	13:45	121	546	142	647			1193
02:00	10		16					14:00	141		135				
02:15	8		11					14:15	144		144				
02:30	4		15					14:30	162		151				
02:45	9	31	19	61			92	14:45	177	624	128	558			1182
03:00	10		10					15:00	165		141				
03:15	5		5					15:15	142		162				
03:30	4		4					15:30	168		184				
03:45	6	25	9	28			53	15:45	174	649	177	664			1313
04:00	9		5					16:00	161		189				
04:15	9		4					16:15	188		191				
04:30	5		9					16:30	174		216				
04:45	4	27	8	26			53	16:45	189	712	235	831			1543
05:00	18		15					17:00	203		214				
05:15	25		22					17:15	165		222				
05:30	26		26					17:30	177		219				
05:45	22	91	33	96			187	17:45	154	699	184	839			1538
06:00	19		48					18:00	135		196				
06:15	25		55					18:15	104		162				
06:30	35		56					18:30	116		177				
06:45	45	124	68	227			351	18:45	111	466	184	719			1185
07:00	51		70					19:00	104		162				
07:15	66		84					19:15	98		135				
07:30	70		121					19:30	91		141				
07:45	65	252	111	386			638	19:45	70	363	111	549			912
08:00	88		145					20:00	65		108				
08:15	84		151					20:15	66		116				
08:30	70		133					20:30	70		104				
08:45	71	313	121	550			863	20:45	54	255	88	416			671
09:00	55		105					21:00	55		90				
09:15	40		135					21:15	62		75				
09:30	35		111					21:30	35		51				
09:45	41	171	105	456			627	21:45	41	193	40	256			449
10:00	68		94					22:00	25		44				
10:15	77		116					22:15	33		65				
10:30	84		132					22:30	31		35				
10:45	111	340	114	456			796	22:45	20	109	28	172			281
11:00	108		142					23:00	18		26				
11:15	130		135					23:15	19		32				
11:30	121		168					23:30	20		22				
11:45	111	470	174	619			1089	23:45	16	73	28	108			181
Total Vol.		1993		3067			**5060**			5258		6403			**11661**

Daily Totals

NB	SB	EB	WB	**Combined**
7251	9470			**16721**

	AM			PM		
Split %	39.4%	60.6%	**30.3%**	45.1%	54.9%	**69.7%**
Peak Hour	11:45	11:45	**11:45**	16:15	16:45	**16:45**
Volume	536	667	**1203**	754	890	**1624**
P.H.F.	0.89	0.94	**0.93**	0.98	0.95	**0.96**

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Murray Ridge Rd & 1200 Ft W/O Murray Ridge Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_090

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,272	5,707	10,979

AM Period	NB		SB		EB		WB		TOTAL	
00:00					2		7		9	
00:15					6		8		14	
00:30					3		6		9	
00:45					1	12	1	22	2	34
01:00					0		3		3	
01:15					0		2		2	
01:30					5		2		7	
01:45					4	9	5	12	9	21
02:00					0		2		2	
02:15					0		1		1	
02:30					3		2		5	
02:45					2	5	0	5	2	10
03:00					0		2		2	
03:15					2		1		3	
03:30					3		0		3	
03:45					2	7	2	5	4	12
04:00					3		3		6	
04:15					2		2		4	
04:30					9		4		13	
04:45					9	23	2	11	11	34
05:00					14		7		21	
05:15					16		4		20	
05:30					23		15		38	
05:45					50	103	16	42	66	145
06:00					53		26		79	
06:15					71		20		91	
06:30					94		28		122	
06:45					85	303	40	114	125	417
07:00					99		61		160	
07:15					105		68		173	
07:30					120		62		182	
07:45					138	462	70	261	208	723
08:00					154		60		214	
08:15					142		43		185	
08:30					114		64		178	
08:45					121	531	47	214	168	745
09:00					108		52		160	
09:15					83		55		138	
09:30					76		46		122	
09:45					83	350	51	204	134	554
10:00					61		38		99	
10:15					58		69		127	
10:30					68		59		127	
10:45					70	257	61	227	131	484
11:00					68		75		143	
11:15					52		66		118	
11:30					58		117		175	
11:45					103	281	82	340	185	621
TOTALS						2343		1457		3800
SPLIT %						61.7%		38.3%		34.6%

PM Period	NB		SB		EB		WB		TOTAL	
12:00					89		103		192	
12:15					96		87		183	
12:30					93		77		170	
12:45					101	379	75	342	176	721
13:00					96		62		158	
13:15					77		73		150	
13:30					71		86		157	
13:45					68	312	80	301	148	613
14:00					70		93		163	
14:15					76		76		152	
14:30					76		131		207	
14:45					68	290	91	391	159	681
15:00					70		134		204	
15:15					60		137		197	
15:30					74		162		236	
15:45					82	286	138	571	220	857
16:00					75		160		235	
16:15					74		167		241	
16:30					114		200		314	
16:45					119	382	176	703	295	1085
17:00					96		225		321	
17:15					130		181		311	
17:30					114		176		290	
17:45					116	456	137	719	253	1175
18:00					90		129		219	
18:15					87		101		188	
18:30					70		98		168	
18:45					62	309	69	397	131	706
19:00					48		72		120	
19:15					59		70		129	
19:30					62		56		118	
19:45					51	220	66	264	117	484
20:00					32		69		101	
20:15					30		58		88	
20:30					29		58		87	
20:45					32	123	50	235	82	358
21:00					21		52		73	
21:15					35		46		81	
21:30					17		56		73	
21:45					13	86	31	185	44	271
22:00					18		40		58	
22:15					10		22		32	
22:30					16		18		34	
22:45					10	54	13	93	23	147
23:00					13		10		23	
23:15					9		13		22	
23:30					5		15		20	
23:45					5	32	11	49	16	81
TOTALS						2929		4250		7179
SPLIT %						40.8%		59.2%		65.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,272	5,707	10,979

AM Peak Hour			07:30	11:30	07:30
AM Pk Volume			554	389	789
Pk Hr Factor			0.899	0.831	0.922
7 - 9 Volume	0	0	993	475	1468
7 - 9 Peak Hour			07:30	07:00	07:30
7 - 9 Pk Volume	0	0	554	261	789
Pk Hr Factor	0.000	0.000	0.899	0.932	0.922

PM Peak Hour			16:30	16:30	16:30
PM Pk Volume			459	782	1241
Pk Hr Factor			0.883	0.869	0.967
4 - 6 Volume	0	0	838	1422	2260
4 - 6 Peak Hour			16:30	16:30	16:30
4 - 6 Pk Volume	0	0	459	782	1241
Pk Hr Factor	0.000	0.000	0.883	0.869	0.967

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Murray Ridge Rd & 1200 Ft W/O Murray Ridge Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_090

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,285	5,680	10,965

AM Period	NB	SB	EB		WB		TOTAL		PM Period	NB	SB	EB		WB		TOTAL	
00:00			5		13		18		12:00			81		98		179	
00:15			4		11		15		12:15			78		87		165	
00:30			6		4		10		12:30			90		87		177	
00:45			6	21	2	30	8	51	12:45			111	360	83	355	194	715
01:00			1		5		6		13:00			86		77		163	
01:15			1		4		5		13:15			72		68		140	
01:30			2		2		4		13:30			54		83		137	
01:45			2	6	4	15	6	21	13:45			61	273	95	323	156	596
02:00			1		7		8		14:00			86		97		183	
02:15			0		0		0		14:15			78		79		157	
02:30			3		3		6		14:30			60		121		181	
02:45			0	4	1	11	1	15	14:45			66	290	113	410	179	700
03:00			0		1		1		15:00			81		146		227	
03:15			4		1		5		15:15			65		164		229	
03:30			0		4		4		15:30			69		157		226	
03:45			3	7	3	9	6	16	15:45			76	291	140	607	216	898
04:00			6		2		8		16:00			87		188		275	
04:15			4		2		6		16:15			90		151		241	
04:30			9		3		12		16:30			92		169		261	
04:45			14	33	5	12	19	45	16:45			105	374	179	687	284	1061
05:00			8		8		16		17:00			104		225		329	
05:15			13		5		18		17:15			153		232		385	
05:30			29		8		37		17:30			105		157		262	
05:45			48	98	13	34	61	132	17:45			98	460	121	735	219	1195
06:00			66		19		85		18:00			84		114		198	
06:15			82		32		114		18:15			82		103		185	
06:30			83		30		113		18:30			69		83		152	
06:45			80	311	30	111	110	422	18:45			59	294	72	372	131	666
07:00			97		77		174		19:00			60		62		122	
07:15			93		72		165		19:15			44		55		99	
07:30			148		68		216		19:30			44		64		108	
07:45			154	492	49	266	203	758	19:45			47	195	64	245	111	440
08:00			160		54		214		20:00			41		61		102	
08:15			162		57		219		20:15			35		46		81	
08:30			149		60		209		20:30			23		64		87	
08:45			167	638	58	229	225	867	20:45			30	129	65	236	95	365
09:00			99		55		154		21:00			23		48		71	
09:15			88		40		128		21:15			24		33		57	
09:30			56		50		106		21:30			24		50		74	
09:45			75	318	45	190	120	508	21:45			18	89	39	170	57	259
10:00			65		40		105		22:00			19		36		55	
10:15			65		54		119		22:15			14		33		47	
10:30			59		62		121		22:30			8		18		26	
10:45			73	262	63	219	136	481	22:45			6	47	19	106	25	153
11:00			66		54		120		23:00			17		13		30	
11:15			63		54		117		23:15			4		5		9	
11:30			66		68		134		23:30			3		4		7	
11:45			68	263	100	276	168	539	23:45			6	30	10	32	16	62
TOTALS				2453		1402		3855	TOTALS				2832		4278		7110
SPLIT %				63.6%		36.4%		35.2%	SPLIT %				39.8%		60.2%		64.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	5,285	5,680	10,965

AM Peak Hour			08:00	11:45	08:00	PM Peak Hour			16:45	16:30	16:45
AM Pk Volume			638	372	867	PM Pk Volume			467	805	1260
Pk Hr Factor			0.955	0.930	0.963	Pk Hr Factor			0.763	0.867	0.818
7 - 9 Volume	0	0	1130	495	1625	4 - 6 Volume	0	0	834	1422	2256
7 - 9 Peak Hour			08:00	07:00	08:00	4 - 6 Peak Hour			16:45	16:30	16:45
7 - 9 Pk Volume	0	0	638	266	867	4 - 6 Pk Volume	0	0	467	805	1260
Pk Hr Factor	0.000	0.000	0.955	0.864	0.963	Pk Hr Factor	0.000	0.000	0.763	0.867	0.818

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. 1200 Ft W/O Murray Ridge Rd & 950 Ft N/O Mission Valley Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_091

DAILY TOTALS	NB	SB	EB	WB	Total
	5,518	5,207	0	0	10,725

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	7		3						10		12:00	97		102						199	
00:15	7		5						12		12:15	89		90						179	
00:30	6		3						9		12:30	74		94						168	
00:45	1	21	0	11					1	32	12:45	71	331	103	389					174	720
01:00	3		0						3		13:00	59		95						154	
01:15	2		3						5		13:15	72		75						147	
01:30	2		4						6		13:30	85		59						144	
01:45	5	12	2	9					7	21	13:45	77	293	70	299					147	592
02:00	2		0						2		14:00	89		73						162	
02:15	1		1						2		14:15	75		74						149	
02:30	1		2						3		14:30	131		70						201	
02:45	0	4	2	5					2	9	14:45	87	382	69	286					156	668
03:00	2		0						2		15:00	137		71						208	
03:15	1		2						3		15:15	122		59						181	
03:30	0		2						2		15:30	161		72						233	
03:45	2	5	2	6					4	11	15:45	133	553	79	281					212	834
04:00	2		4						6		16:00	155		76						231	
04:15	2		1						3		16:15	157		75						232	
04:30	3		9						12		16:30	201		112						313	
04:45	4	11	12	26					16	37	16:45	154	667	122	385					276	1052
05:00	5		10						15		17:00	225		91						316	
05:15	4		21						25		17:15	168		120						288	
05:30	15		31						46		17:30	167		120						287	
05:45	17	41	47	109					64	150	17:45	131	691	109	440					240	1131
06:00	24		58						82		18:00	130		88						218	
06:15	18		78						96		18:15	92		75						167	
06:30	27		96						123		18:30	95		71						166	
06:45	42	111	90	322					132	433	18:45	64	381	66	300					130	681
07:00	57		95						152		19:00	71		42						113	
07:15	65		95						160		19:15	68		63						131	
07:30	61		132						193		19:30	53		57						110	
07:45	65	248	143	465					208	713	19:45	65	257	44	206					109	463
08:00	61		154						215		20:00	71		36						107	
08:15	39		130						169		20:15	57		28						85	
08:30	65		114						179		20:30	57		30						87	
08:45	45	210	117	515					162	725	20:45	50	235	25	119					75	354
09:00	52		99						151		21:00	52		24						76	
09:15	50		80						130		21:15	46		30						76	
09:30	44		79						123		21:30	51		18						69	
09:45	49	195	77	335					126	530	21:45	30	179	12	84					42	263
10:00	38		60						98		22:00	40		18						58	
10:15	68		60						128		22:15	24		17						41	
10:30	57		63						120		22:30	15		10						25	
10:45	62	225	73	256					135	481	22:45	12	91	7	52					19	143
11:00	68		60						128		23:00	10		17						27	
11:15	67		52						119		23:15	13		4						17	
11:30	114		66						180		23:30	15		6						21	
11:45	77	326	96	274					173	600	23:45	11	49	6	33					17	82
TOTALS		1409		2333						3742	TOTALS		4109		2874						6983
SPLIT %		37.7%		62.3%						34.9%	SPLIT %		58.8%		41.2%						65.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,518	5,207	0	0	10,725

AM Peak Hour	11:30	07:30			07:30	PM Peak Hour	16:30	16:45			16:30
AM Pk Volume	377	559			785	PM Pk Volume	748	453			1193
Pk Hr Factor	0.827	0.907			0.913	Pk Hr Factor	0.831	0.928			0.944
7 - 9 Volume	458	980	0	0	1438	4 - 6 Volume	1358	825	0	0	2183
7 - 9 Peak Hour	07:15	07:30			07:30	4 - 6 Peak Hour	16:30	16:45			16:30
7 - 9 Pk Volume	252	559	0	0	785	4 - 6 Pk Volume	748	453	0	0	1193
Pk Hr Factor	0.969	0.907	0.000	0.000	0.913	Pk Hr Factor	0.831	0.928	0.000	0.000	0.944

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. 1200 Ft W/O Murray Ridge Rd & 950 Ft N/O Mission Valley Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_091

DAILY TOTALS	NB	SB	EB	WB	Total
	5,492	5,224	0	0	10,716

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	14		4						18		12:00	90		70						160	
00:15	9		6						15		12:15	88		86						174	
00:30	4		4						8		12:30	87		90						177	
00:45	1	28	5	19					6	47	12:45	76	341	107	353					183	694
01:00	5		1						6		13:00	73		82						155	
01:15	4		0						4		13:15	65		68						133	
01:30	3		2						5		13:30	80		57						137	
01:45	4	16	2	5					6	21	13:45	95	313	59	266					154	579
02:00	6		1						7		14:00	95		93						188	
02:15	1		1						2		14:15	71		67						138	
02:30	2		2						4		14:30	118		65						183	
02:45	1	10	0	4					1	14	14:45	109	393	61	286					170	679
03:00	1		1						2		15:00	145		76						221	
03:15	2		2						4		15:15	149		68						217	
03:30	3		1						4		15:30	145		64						209	
03:45	3	9	4	8					7	17	15:45	143	582	78	286					221	868
04:00	2		5						7		16:00	178		85						263	
04:15	3		3						6		16:15	139		87						226	
04:30	2		13						15		16:30	171		90						261	
04:45	6	13	10	31					16	44	16:45	161	649	114	376					275	1025
05:00	7		8						15		17:00	248		97						345	
05:15	6		18						24		17:15	187		153						340	
05:30	7		30						37		17:30	155		98						253	
05:45	14	34	56	112					70	146	17:45	111	701	104	452					215	1153
06:00	19		68						87		18:00	114		71						185	
06:15	28		83						111		18:15	98		71						169	
06:30	31		83						114		18:30	79		69						148	
06:45	28	106	83	317					111	423	18:45	68	359	61	272					129	631
07:00	75		87						162		19:00	60		50						110	
07:15	73		111						184		19:15	53		49						102	
07:30	66		146						212		19:30	65		39						104	
07:45	48	262	162	506					210	768	19:45	60	238	46	184					106	422
08:00	50		168						218		20:00	55		46						101	
08:15	58		159						217		20:15	50		28						78	
08:30	59		134						193		20:30	59		24						83	
08:45	53	220	154	615					207	835	20:45	66	230	30	128					96	358
09:00	52		100						152		21:00	50		20						70	
09:15	39		79						118		21:15	29		26						55	
09:30	48		59						107		21:30	48		18						66	
09:45	45	184	80	318					125	502	21:45	38	165	19	83					57	248
10:00	36		60						96		22:00	36		17						53	
10:15	59		58						117		22:15	30		10						40	
10:30	54		57						111		22:30	17		10						27	
10:45	61	210	75	250					136	460	22:45	18	101	9	46					27	147
11:00	54		65						119		23:00	8		14						22	
11:15	53		64						117		23:15	20		10						30	
11:30	69		58						127		23:30	14		8						22	
11:45	99	275	81	268					180	543	23:45	11	53	7	39					18	92
TOTALS		1367		2453						3820	TOTALS		4125		2771						6896
SPLIT %		35.8%		64.2%						35.6%	SPLIT %		59.8%		40.2%						64.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,492	5,224	0	0	10,716

AM Peak Hour	11:45	07:30			07:30	PM Peak Hour	16:30	16:45			16:30
AM Pk Volume	364	635			857	PM Pk Volume	767	462			1221
Pk Hr Factor	0.919	0.945			0.983	Pk Hr Factor	0.773	0.755			0.885
7 - 9 Volume	482	1121	0	0	1603	4 - 6 Volume	1350	828	0	0	2178
7 - 9 Peak Hour	07:00	07:30			07:30	4 - 6 Peak Hour	16:30	16:45			16:30
7 - 9 Pk Volume	262	635	0	0	857	4 - 6 Pk Volume	767	462	0	0	1221
Pk Hr Factor	0.873	0.945	0.000	0.000	0.983	Pk Hr Factor	0.773	0.755	0.000	0.000	0.885

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. 950 Ft N/O Mission Valley Rd & Mission Valley Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_092

DAILY TOTALS	NB	SB	EB	WB	Total
	5,649	5,271	0	0	10,920

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	8		1						9		12:00	99		92						191	
00:15	8		3						11		12:15	84		100						184	
00:30	6		3						9		12:30	80		89						169	
00:45	1	23	1	8					2	31	12:45	73	336	102	383					175	719
01:00	3		0						3		13:00	62		102						164	
01:15	2		1						3		13:15	78		76						154	
01:30	2		4						6		13:30	85		68						153	
01:45	5	12	3	8					8	20	13:45	81	306	69	315					150	621
02:00	2		0						2		14:00	90		72						162	
02:15	1		0						1		14:15	81		75						156	
02:30	1		2						3		14:30	128		75						203	
02:45	0	4	2	4					2	8	14:45	88	387	69	291					157	678
03:00	3		1						4		15:00	142		69						211	
03:15	1		1						2		15:15	128		60						188	
03:30	0		3						3		15:30	166		69						235	
03:45	2	6	2	7					4	13	15:45	138	574	84	282					222	856
04:00	2		2						4		16:00	160		72						232	
04:15	1		3						4		16:15	163		83						246	
04:30	3		7						10		16:30	199		104						303	
04:45	5	11	11	23					16	34	16:45	152	674	106	365					258	1039
05:00	5		15						20		17:00	230		98						328	
05:15	5		15						20		17:15	174		130						304	
05:30	15		21						36		17:30	170		114						284	
05:45	16	41	53	104					69	145	17:45	141	715	119	461					260	1176
06:00	22		52						74		18:00	130		88						218	
06:15	20		69						89		18:15	96		90						186	
06:30	28		92						120		18:30	100		68						168	
06:45	40	110	84	297					124	407	18:45	64	390	57	303					121	693
07:00	57		103						160		19:00	79		54						133	
07:15	62		92						154		19:15	74		64						138	
07:30	58		117						175		19:30	57		60						117	
07:45	63	240	148	460					211	700	19:45	68	278	50	228					118	506
08:00	59		155						214		20:00	71		28						99	
08:15	37		135						172		20:15	65		34						99	
08:30	65		126						191		20:30	55		29						84	
08:45	48	209	118	534					166	743	20:45	51	242	32	123					83	365
09:00	49		109						158		21:00	54		20						74	
09:15	46		83						129		21:15	51		35						86	
09:30	45		79						124		21:30	50		21						71	
09:45	50	190	85	356					135	546	21:45	31	186	13	89					44	275
10:00	38		65						103		22:00	41		17						58	
10:15	71		59						130		22:15	30		13						43	
10:30	57		66						123		22:30	19		17						36	
10:45	61	227	69	259					130	486	22:45	12	102	11	58					23	160
11:00	63		73						136		23:00	12		10						22	
11:15	70		51						121		23:15	13		10						23	
11:30	124		58						182		23:30	14		5						19	
11:45	79	336	100	282					179	618	23:45	11	50	6	31					17	81
TOTALS		1409		2342						3751	TOTALS		4240		2929						7169
SPLIT %		37.6%		62.4%						34.3%	SPLIT %		59.1%		40.9%						65.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,649	5,271	0	0	10,920

AM Peak Hour	11:30	07:45			07:45	PM Peak Hour	16:30	17:00			16:30
AM Pk Volume	386	564			788	PM Pk Volume	755	461			1193
Pk Hr Factor	0.778	0.910			0.921	Pk Hr Factor	0.821	0.887			0.909
7 - 9 Volume	449	994	0	0	1443	4 - 6 Volume	1389	826	0	0	2215
7 - 9 Peak Hour	07:15	07:45			07:45	4 - 6 Peak Hour	16:30	17:00			16:30
7 - 9 Pk Volume	242	564	0	0	788	4 - 6 Pk Volume	755	461	0	0	1193
Pk Hr Factor	0.960	0.910	0.000	0.000	0.921	Pk Hr Factor	0.821	0.887	0.000	0.000	0.909

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. 950 Ft N/O Mission Valley Rd & Mission Valley Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_092

DAILY TOTALS	NB	SB	EB	WB	Total
	5,652	5,306	0	0	10,958

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	14		4						18		12:00	93		84						177	
00:15	9		2						11		12:15	88		72						160	
00:30	4		6						10		12:30	84		92						176	
00:45	2	29	4	16					6	45	12:45	85	350	113	361					198	711
01:00	5		2						7		13:00	79		89						168	
01:15	4		1						5		13:15	65		71						136	
01:30	4		3						7		13:30	78		57						135	
01:45	5	18	2	8					7	26	13:45	101	323	65	282					166	605
02:00	6		1						7		14:00	101		83						184	
02:15	1		0						1		14:15	72		81						153	
02:30	2		2						4		14:30	116		65						181	
02:45	1	10	1	4					2	14	14:45	114	403	58	287					172	690
03:00	1		0						1		15:00	150		84						234	
03:15	3		4						7		15:15	157		62						219	
03:30	3		1						4		15:30	154		74						228	
03:45	3	10	3	8					6	18	15:45	152	613	75	295					227	908
04:00	2		6						8		16:00	172		83						255	
04:15	2		3						5		16:15	143		89						232	
04:30	2		9						11		16:30	178		84						262	
04:45	6	12	13	31					19	43	16:45	172	665	106	362					278	1027
05:00	7		10						17		17:00	256		98						354	
05:15	6		12						18		17:15	186		139						325	
05:30	6		27						33		17:30	155		112						267	
05:45	15	34	48	97					63	131	17:45	115	712	101	450					216	1162
06:00	15		62						77		18:00	122		83						205	
06:15	27		77						104		18:15	104		81						185	
06:30	30		89						119		18:30	82		62						144	
06:45	27	99	83	311					110	410	18:45	71	379	68	294					139	673
07:00	76		95						171		19:00	64		55						119	
07:15	73		92						165		19:15	54		44						98	
07:30	62		132						194		19:30	68		49						117	
07:45	47	258	156	475					203	733	19:45	61	247	47	195					108	442
08:00	49		165						214		20:00	70		41						111	
08:15	55		176						231		20:15	46		32						78	
08:30	64		157						221		20:30	60		25						85	
08:45	55	223	151	649					206	872	20:45	66	242	33	131					99	373
09:00	55		112						167		21:00	53		19						72	
09:15	38		92						130		21:15	31		22						53	
09:30	52		50						102		21:30	50		27						77	
09:45	44	189	85	339					129	528	21:45	37	171	14	82					51	253
10:00	38		67						105		22:00	39		22						61	
10:15	61		62						123		22:15	36		15						51	
10:30	55		64						119		22:30	19		9						28	
10:45	67	221	65	258					132	479	22:45	21	115	10	56					31	171
11:00	56		68						124		23:00	8		9						17	
11:15	53		66						119		23:15	15		20						35	
11:30	72		63						135		23:30	12		8						20	
11:45	104	285	70	267					174	552	23:45	9	44	11	48					20	92
TOTALS		1388		2463						3851	TOTALS		4264		2843						7107
SPLIT %		36.0%		64.0%						35.1%	SPLIT %		60.0%		40.0%						64.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,652	5,306	0	0	10,958

AM Peak Hour	11:45	07:45			08:00	PM Peak Hour	16:30	16:45			16:45
AM Pk Volume	369	654			872	PM Pk Volume	792	455			1224
Pk Hr Factor	0.887	0.929			0.944	Pk Hr Factor	0.773	0.818			0.864
7 - 9 Volume	481	1124	0	0	1605	4 - 6 Volume	1377	812	0	0	2189
7 - 9 Peak Hour	07:00	07:45			08:00	4 - 6 Peak Hour	16:30	16:45			16:45
7 - 9 Pk Volume	258	654	0	0	872	4 - 6 Pk Volume	792	455	0	0	1224
Pk Hr Factor	0.849	0.929	0.000	0.000	0.944	Pk Hr Factor	0.773	0.818	0.000	0.000	0.864

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Mission Valley Rd & Westside Dr

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_093

DAILY TOTALS	NB	SB	EB	WB	Total
	6,879	7,278	0	0	14,157

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	7		13						20		12:00	104		155						259	
00:15	9		8						17		12:15	128		167						295	
00:30	7		4						11		12:30	130		140						270	
00:45	4	27	8	33					12	60	12:45	141	503	110	572					251	1075
01:00	5		1						6		13:00	117		138						255	
01:15	4		3						7		13:15	128		106						234	
01:30	4		4						8		13:30	122		103						225	
01:45	7	20	2	10					9	30	13:45	127	494	93	440					220	934
02:00	4		2						6		14:00	115		99						214	
02:15	5		2						7		14:15	103		114						217	
02:30	0		1						1		14:30	114		127						241	
02:45	2	11	3	8					5	19	14:45	103	435	125	465					228	900
03:00	3		2						5		15:00	108		115						223	
03:15	3		4						7		15:15	105		130						235	
03:30	2		3						5		15:30	120		145						265	
03:45	0	8	6	15					6	23	15:45	114	447	131	521					245	968
04:00	3		1						4		16:00	112		152						264	
04:15	4		2						6		16:15	128		191						319	
04:30	2		7						9		16:30	131		182						313	
04:45	6	15	11	21					17	36	16:45	119	490	163	688					282	1178
05:00	10		12						22		17:00	131		253						384	
05:15	8		11						19		17:15	146		214						360	
05:30	22		17						39		17:30	178		164						342	
05:45	35	75	30	70					65	145	17:45	145	600	155	786					300	1386
06:00	49		34						83		18:00	107		131						238	
06:15	55		27						82		18:15	105		133						238	
06:30	68		52						120		18:30	98		109						207	
06:45	100	272	64	177					164	449	18:45	81	391	95	468					176	859
07:00	109		67						176		19:00	80		76						156	
07:15	117		86						203		19:15	75		85						160	
07:30	140		114						254		19:30	73		81						154	
07:45	157	523	110	377					267	900	19:45	85	313	69	311					154	624
08:00	178		106						284		20:00	77		61						138	
08:15	121		101						222		20:15	67		66						133	
08:30	130		87						217		20:30	50		45						95	
08:45	111	540	91	385					202	925	20:45	66	260	62	234					128	494
09:00	79		101						180		21:00	60		50						110	
09:15	88		87						175		21:15	71		44						115	
09:30	83		88						171		21:30	54		35						89	
09:45	76	326	110	386					186	712	21:45	37	222	24	153					61	375
10:00	66		103						169		22:00	37		38						75	
10:15	77		102						179		22:15	29		27						56	
10:30	86		111						197		22:30	26		20						46	
10:45	81	310	109	425					190	735	22:45	23	115	18	103					41	218
11:00	68		133						201		23:00	23		15						38	
11:15	104		110						214		23:15	23		19						42	
11:30	126		171						297		23:30	15		4						19	
11:45	106	404	164	578					270	982	23:45	17	78	14	52					31	130
TOTALS		2531		2485						5016	TOTALS		4348		4793						9141
SPLIT %		50.5%		49.5%						35.4%	SPLIT %		47.6%		52.4%						64.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	6,879	7,278	0	0	14,157

AM Peak Hour	07:30	11:30			11:30	PM Peak Hour	17:00	16:30			17:00
AM Pk Volume	596	657			1121	PM Pk Volume	600	812			1386
Pk Hr Factor	0.837	0.961			0.944	Pk Hr Factor	0.843	0.802			0.902
7 - 9 Volume	1063	762	0	0	1825	4 - 6 Volume	1090	1474	0	0	2564
7 - 9 Peak Hour	07:30	07:30			07:30	4 - 6 Peak Hour	17:00	16:30			17:00
7 - 9 Pk Volume	596	431	0	0	1027	4 - 6 Pk Volume	600	812	0	0	1386
Pk Hr Factor	0.837	0.945	0.000	0.000	0.904	Pk Hr Factor	0.843	0.802	0.000	0.000	0.902

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Mission Valley Rd & Westside Dr

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_093

DAILY TOTALS	NB	SB	EB	WB	Total
	6,899	7,273	0	0	14,172

AM Period	NB		SB		EB		WB		TOTAL	
00:00	13		6						19	
00:15	14		7						21	
00:30	9		5						14	
00:45	3	39	4	22					7	61
01:00	6		5						11	
01:15	9		5						14	
01:30	1		6						7	
01:45	6	22	3	19					9	41
02:00	9		4						13	
02:15	3		3						6	
02:30	2		2						4	
02:45	1	15	1	10					2	25
03:00	1		1						2	
03:15	1		3						4	
03:30	4		3						7	
03:45	2	8	4	11					6	19
04:00	1		0						1	
04:15	1		3						4	
04:30	4		8						12	
04:45	7	13	12	23					19	36
05:00	7		6						13	
05:15	11		17						28	
05:30	20		27						47	
05:45	42	80	27	77					69	157
06:00	44		36						80	
06:15	63		28						91	
06:30	60		57						117	
06:45	97	264	63	184					160	448
07:00	115		65						180	
07:15	133		76						209	
07:30	121		109						230	
07:45	154	523	107	357					261	880
08:00	151		112						263	
08:15	112		120						232	
08:30	124		121						245	
08:45	143	530	114	467					257	997
09:00	121		116						237	
09:15	92		108						200	
09:30	85		82						167	
09:45	80	378	107	413					187	791
10:00	73		118						191	
10:15	98		92						190	
10:30	71		98						169	
10:45	91	333	93	401					184	734
11:00	76		152						228	
11:15	99		133						232	
11:30	86		148						234	
11:45	109	370	141	574					250	944
TOTALS		2575		2558						5133
SPLIT %		50.2%		49.8%						36.2%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	98		184						282	
12:15	129		133						262	
12:30	138		136						274	
12:45	165	530	115	568					280	1098
13:00	128		130						258	
13:15	152		103						255	
13:30	122		104						226	
13:45	124	526	86	423					210	949
14:00	124		136						260	
14:15	95		129						224	
14:30	93		108						201	
14:45	124	436	108	481					232	917
15:00	116		146						262	
15:15	106		123						229	
15:30	104		151						255	
15:45	129	455	136	556					265	1011
16:00	131		165						296	
16:15	116		166						282	
16:30	147		188						335	
16:45	126	520	160	679					286	1199
17:00	135		243						378	
17:15	151		215						366	
17:30	138		155						293	
17:45	127	551	143	756					270	1307
18:00	112		130						242	
18:15	106		107						213	
18:30	85		90						175	
18:45	78	381	74	401					152	782
19:00	83		82						165	
19:15	76		59						135	
19:30	63		62						125	
19:45	67	289	73	276					140	565
20:00	89		59						148	
20:15	45		68						113	
20:30	59		67						126	
20:45	66	259	47	241					113	500
21:00	64		32						96	
21:15	38		37						75	
21:30	47		61						108	
21:45	39	188	28	158					67	346
22:00	41		45						86	
22:15	38		31						69	
22:30	30		19						49	
22:45	22	131	26	121					48	252
23:00	15		13						28	
23:15	21		22						43	
23:30	13		12						25	
23:45	9	58	8	55					17	113
TOTALS		4324		4715						9039
SPLIT %		47.8%		52.2%						63.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	6,899	7,273	0	0	14,172

AM Peak Hour	07:15	11:15			11:45
AM Pk Volume	559	606			1068
Pk Hr Factor	0.907	0.823			0.947
7 - 9 Volume	1053	824	0	0	1877
7 - 9 Peak Hour	07:15	08:00			07:45
7 - 9 Pk Volume	559	467	0	0	1001
Pk Hr Factor	0.907	0.965	0.000	0.000	0.952

PM Peak Hour	12:30	16:30			16:30
PM Pk Volume	583	806			1365
Pk Hr Factor	0.883	0.829			0.903
4 - 6 Volume	1071	1435	0	0	2506
4 - 6 Peak Hour	16:30	16:30			16:30
4 - 6 Pk Volume	559	806	0	0	1365
Pk Hr Factor	0.925	0.829	0.000	0.000	0.903

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Westside Dr & Friars Rd WB Ramps

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_094

DAILY TOTALS	NB	SB	EB	WB	Total
	12,580	13,347	0	0	25,927

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	26		17						43		12:00	240		276						516	
00:15	29		16						45		12:15	253		258						511	
00:30	21		11						32		12:30	256		246						502	
00:45	11	87	14	58					25	145	12:45	279	1028	249	1029					528	2057
01:00	17		11						28		13:00	250		221						471	
01:15	17		3						20		13:15	245		243						488	
01:30	8		2						10		13:30	221		236						457	
01:45	4	46	8	24					12	70	13:45	210	926	221	921					431	1847
02:00	4		4						8		14:00	190		232						422	
02:15	8		2						10		14:15	211		244						455	
02:30	9		9						18		14:30	198		221						419	
02:45	7	28	1	16					8	44	14:45	190	789	202	899					392	1688
03:00	4		1						5		15:00	196		227						423	
03:15	6		6						12		15:15	196		264						460	
03:30	9		7						16		15:30	218		273						491	
03:45	7	26	9	23					16	49	15:45	213	823	243	1007					456	1830
04:00	6		6						12		16:00	209		290						499	
04:15	6		8						14		16:15	218		299						517	
04:30	15		22						37		16:30	225		372						597	
04:45	16	43	27	63					43	106	16:45	236	888	338	1299					574	2187
05:00	20		24						44		17:00	229		362						591	
05:15	26		35						61		17:15	256		297						553	
05:30	41		48						89		17:30	260		292						552	
05:45	74	161	62	169					136	330	17:45	288	1033	289	1240					577	2273
06:00	92		51						143		18:00	236		283						519	
06:15	138		79						217		18:15	199		235						434	
06:30	146		81						227		18:30	170		204						374	
06:45	172	548	116	327					288	875	18:45	159	764	177	899					336	1663
07:00	160		131						291		19:00	158		175						333	
07:15	205		148						353		19:15	146		150						296	
07:30	225		185						410		19:30	139		164						303	
07:45	268	858	171	635					439	1493	19:45	120	563	155	644					275	1207
08:00	220		163						383		20:00	132		133						265	
08:15	206		168						374		20:15	115		123						238	
08:30	186		162						348		20:30	128		97						225	
08:45	189	801	156	649					345	1450	20:45	124	499	109	462					233	961
09:00	146		163						309		21:00	95		110						205	
09:15	148		162						310		21:15	95		78						173	
09:30	152		167						319		21:30	81		82						163	
09:45	131	577	157	649					288	1226	21:45	79	350	78	348					157	698
10:00	140		156						296		22:00	76		87						163	
10:15	146		164						310		22:15	46		56						102	
10:30	143		208						351		22:30	46		41						87	
10:45	174	603	184	712					358	1315	22:45	38	206	39	223					77	429
11:00	209		213						422		23:00	39		17						56	
11:15	182		249						431		23:15	32		27						59	
11:30	201		245						446		23:30	45		22						67	
11:45	200	792	252	959					452	1751	23:45	25	141	26	92					51	233
TOTALS		4570		4284						8854	TOTALS		8010		9063						17073
SPLIT %		51.6%		48.4%						34.1%	SPLIT %		46.9%		53.1%						65.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	12,580	13,347	0	0	25,927

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	17:15	16:15			16:30
AM Pk Volume	949	1032			1981	PM Pk Volume	1040	1371			2315
Pk Hr Factor	0.927	0.935			0.960	Pk Hr Factor	0.903	0.921			0.969
7 - 9 Volume	1659	1284	0	0	2943	4 - 6 Volume	1921	2539	0	0	4460
7 - 9 Peak Hour	07:30	07:30			07:30	4 - 6 Peak Hour	17:00	16:15			16:30
7 - 9 Pk Volume	919	687	0	0	1606	4 - 6 Pk Volume	1033	1371	0	0	2315
Pk Hr Factor	0.857	0.928	0.000	0.000	0.915	Pk Hr Factor	0.897	0.921	0.000	0.000	0.969

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Westside Dr & Friars Rd WB Ramps

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_094

DAILY TOTALS	NB	SB	EB	WB	Total
	12,975	13,134	0	0	26,109

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	32		9						41		12:00	238		293						531	
00:15	18		24						42		12:15	267		283						550	
00:30	25		15						40		12:30	294		230						524	
00:45	21	96	15	63					36	159	12:45	303	1102	226	1032					529	2134
01:00	11		10						21		13:00	279		235						514	
01:15	21		8						29		13:15	233		235						468	
01:30	13		0						13		13:30	205		208						413	
01:45	8	53	5	23					13	76	13:45	212	929	215	893					427	1822
02:00	20		6						26		14:00	212		232						444	
02:15	6		3						9		14:15	194		195						389	
02:30	9		6						15		14:30	263		185						448	
02:45	6	41	11	26					17	67	14:45	154	823	251	863					405	1686
03:00	11		8						19		15:00	217		237						454	
03:15	4		5						9		15:15	203		223						426	
03:30	3		3						6		15:30	243		262						505	
03:45	5	23	5	21					10	44	15:45	240	903	235	957					475	1860
04:00	10		9						19		16:00	232		266						498	
04:15	9		9						18		16:15	220		273						493	
04:30	19		21						40		16:30	236		303						539	
04:45	23	61	21	60					44	121	16:45	222	910	362	1204					584	2114
05:00	19		28						47		17:00	235		316						551	
05:15	31		30						61		17:15	242		328						570	
05:30	43		48						91		17:30	247		285						532	
05:45	82	175	52	158					134	333	17:45	187	911	278	1207					465	2118
06:00	94		56						150		18:00	219		245						464	
06:15	154		83						237		18:15	163		227						390	
06:30	169		110						279		18:30	169		207						376	
06:45	189	606	103	352					292	958	18:45	165	716	179	858					344	1574
07:00	173		117						290		19:00	133		159						292	
07:15	185		146						331		19:15	160		156						316	
07:30	249		175						424		19:30	133		143						276	
07:45	285	892	164	602					449	1494	19:45	142	568	129	587					271	1155
08:00	211		166						377		20:00	140		154						294	
08:15	195		157						352		20:15	134		120						254	
08:30	217		160						377		20:30	88		133						221	
08:45	204	827	185	668					389	1495	20:45	119	481	110	517					229	998
09:00	122		167						289		21:00	114		119						233	
09:15	177		159						336		21:15	111		89						200	
09:30	140		186						326		21:30	84		91						175	
09:45	130	569	175	687					305	1256	21:45	87	396	73	372					160	768
10:00	145		155						300		22:00	53		49						102	
10:15	165		157						322		22:15	47		65						112	
10:30	183		218						401		22:30	64		56						120	
10:45	170	663	181	711					351	1374	22:45	57	221	32	202					89	423
11:00	188		198						386		23:00	45		48						93	
11:15	202		207						409		23:15	38		35						73	
11:30	254		270						524		23:30	21		22						43	
11:45	235	879	269	944					504	1823	23:45	26	130	22	127					48	257
TOTALS		4885		4315						9200	TOTALS		8090		8819						16909
SPLIT %		53.1%		46.9%						35.2%	SPLIT %		47.8%		52.2%						64.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	12,975	13,134	0	0	26,109

AM Peak Hour	11:45	11:30			11:30	PM Peak Hour	12:15	16:30			16:30
AM Pk Volume	1034	1115			2109	PM Pk Volume	1143	1309			2244
Pk Hr Factor	0.879	0.951			0.959	Pk Hr Factor	0.943	0.904			0.961
7 - 9 Volume	1719	1270	0	0	2989	4 - 6 Volume	1821	2411	0	0	4232
7 - 9 Peak Hour	07:30	08:00			07:30	4 - 6 Peak Hour	16:45	16:30			16:30
7 - 9 Pk Volume	940	668	0	0	1602	4 - 6 Pk Volume	946	1309	0	0	2244
Pk Hr Factor	0.825	0.903	0.000	0.000	0.892	Pk Hr Factor	0.957	0.904	0.000	0.000	0.961

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Friars Rd WB Ramps & Friars Rd EB Ramps

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_095

DAILY TOTALS	NB	SB	EB	WB	Total
	11,346	11,037	0	0	22,383

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	27		18						45		12:00	227		228						455	
00:15	27		18						45		12:15	247		216						463	
00:30	24		16						40		12:30	241		202						443	
00:45	9	87	16	68					25	155	12:45	256	971	192	838					448	1809
01:00	9		2						11		13:00	235		222						457	
01:15	17		8						25		13:15	213		200						413	
01:30	8		1						9		13:30	198		203						401	
01:45	5	39	5	16					10	55	13:45	195	841	179	804					374	1645
02:00	6		2						8		14:00	175		172						347	
02:15	12		5						17		14:15	183		176						359	
02:30	8		6						14		14:30	189		190						379	
02:45	4	30	4	17					8	47	14:45	173	720	204	742					377	1462
03:00	7		4						11		15:00	164		206						370	
03:15	8		8						16		15:15	186		230						416	
03:30	7		2						9		15:30	183		219						402	
03:45	4	26	3	17					7	43	15:45	223	756	267	922					490	1678
04:00	7		3						10		16:00	185		222						407	
04:15	5		6						11		16:15	200		251						451	
04:30	15		8						23		16:30	194		237						431	
04:45	15	42	9	26					24	68	16:45	215	794	298	1008					513	1802
05:00	27		8						35		17:00	187		375						562	
05:15	27		17						44		17:15	226		265						491	
05:30	50		21						71		17:30	200		228						428	
05:45	68	172	22	68					90	240	17:45	242	855	262	1130					504	1985
06:00	78		36						114		18:00	213		196						409	
06:15	106		46						152		18:15	203		203						406	
06:30	123		73						196		18:30	165		203						368	
06:45	149	456	71	226					220	682	18:45	161	742	189	791					350	1533
07:00	121		84						205		19:00	172		148						320	
07:15	146		86						232		19:15	159		123						282	
07:30	139		106						245		19:30	148		116						264	
07:45	179	585	116	392					295	977	19:45	127	606	123	510					250	1116
08:00	149		115						264		20:00	132		136						268	
08:15	163		135						298		20:15	101		111						212	
08:30	154		134						288		20:30	125		83						208	
08:45	155	621	151	535					306	1156	20:45	130	488	112	442					242	930
09:00	116		122						238		21:00	115		78						193	
09:15	138		117						255		21:15	110		65						175	
09:30	113		136						249		21:30	90		58						148	
09:45	117	484	150	525					267	1009	21:45	99	414	71	272					170	686
10:00	140		111						251		22:00	72		43						115	
10:15	117		140						257		22:15	70		40						110	
10:30	149		173						322		22:30	51		35						86	
10:45	140	546	166	590					306	1136	22:45	50	243	29	147					79	390
11:00	181		183						364		23:00	45		26						71	
11:15	147		200						347		23:15	50		20						70	
11:30	148		208						356		23:30	50		25						75	
11:45	173	649	255	846					428	1495	23:45	34	179	34	105					68	284
TOTALS		3737		3326						7063	TOTALS		7609		7711						15320
SPLIT %		52.9%		47.1%						31.6%	SPLIT %		49.7%		50.3%						68.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	11,346	11,037	0	0	22,383

AM Peak Hour	11:45	11:30				11:45	PM Peak Hour	12:15	16:30				16:30
AM Pk Volume	888	907				1789	PM Pk Volume	979	1175				1997
Pk Hr Factor	0.899	0.889				0.966	Pk Hr Factor	0.956	0.783				0.888
7 - 9 Volume	1206	927	0	0		2133	4 - 6 Volume	1649	2138	0	0		3787
7 - 9 Peak Hour	07:45	08:00				08:00	4 - 6 Peak Hour	17:00	16:30				16:30
7 - 9 Pk Volume	645	535	0	0		1156	4 - 6 Pk Volume	855	1175	0	0		1997
Pk Hr Factor	0.901	0.886	0.000	0.000		0.944	Pk Hr Factor	0.883	0.783	0.000	0.000		0.888

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Friars Rd WB Ramps & Friars Rd EB Ramps

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_095

DAILY TOTALS	NB	SB	EB	WB	Total
	11,803	11,466	0	0	23,269

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	35		18						53		12:00	189		241						430	
00:15	22		17						39		12:15	228		214						442	
00:30	30		17						47		12:30	244		230						474	
00:45	30	117	14	66					44	183	12:45	248	909	178	863					426	1772
01:00	34		14						48		13:00	233		226						459	
01:15	30		9						39		13:15	191		192						383	
01:30	26		12						38		13:30	218		177						395	
01:45	22	112	18	53					40	165	13:45	198	840	179	774					377	1614
02:00	23		5						28		14:00	226		192						418	
02:15	9		8						17		14:15	181		188						369	
02:30	9		6						15		14:30	242		183						425	
02:45	9	50	5	24					14	74	14:45	144	793	209	772					353	1565
03:00	12		2						14		15:00	242		220						462	
03:15	12		4						16		15:15	157		226						383	
03:30	3		2						5		15:30	219		258						477	
03:45	5	32	4	12					9	44	15:45	219	837	234	938					453	1775
04:00	11		6						17		16:00	211		261						472	
04:15	10		3						13		16:15	169		258						427	
04:30	21		8						29		16:30	202		271						473	
04:45	21	63	11	28					32	91	16:45	182	764	272	1062					454	1826
05:00	25		14						39		17:00	189		336						525	
05:15	37		22						59		17:15	241		268						509	
05:30	44		20						64		17:30	210		293						503	
05:45	64	170	36	92					100	262	17:45	183	823	253	1150					436	1973
06:00	72		38						110		18:00	176		232						408	
06:15	127		56						183		18:15	179		203						382	
06:30	151		67						218		18:30	185		215						400	
06:45	139	489	61	222					200	711	18:45	174	714	169	819					343	1533
07:00	139		78						217		19:00	161		156						317	
07:15	135		98						233		19:15	148		155						303	
07:30	183		119						302		19:30	143		130						273	
07:45	169	626	132	427					301	1053	19:45	140	592	114	555					254	1147
08:00	149		116						265		20:00	136		118						254	
08:15	154		141						295		20:15	136		111						247	
08:30	158		130						288		20:30	101		97						198	
08:45	152	613	157	544					309	1157	20:45	138	511	98	424					236	935
09:00	112		119						231		21:00	133		82						215	
09:15	157		135						292		21:15	116		88						204	
09:30	134		145						279		21:30	111		62						173	
09:45	120	523	148	547					268	1070	21:45	94	454	55	287					149	741
10:00	137		157						294		22:00	64		60						124	
10:15	142		157						299		22:15	55		30						85	
10:30	174		152						326		22:30	70		24						94	
10:45	143	596	219	685					362	1281	22:45	69	258	36	150					105	408
11:00	168		177						345		23:00	49		25						74	
11:15	171		209						380		23:15	34		20						54	
11:30	205		252						457		23:30	26		18						44	
11:45	226	770	255	893					481	1663	23:45	38	147	16	79					54	226
TOTALS		4161		3593						7754	TOTALS		7642		7873						15515
SPLIT %		53.7%		46.3%						33.3%	SPLIT %		49.3%		50.7%						66.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	11,803	11,466	0	0	23,269

AM Peak Hour	11:45	11:30			11:45	PM Peak Hour	12:15	16:45			16:45
AM Pk Volume	887	962			1827	PM Pk Volume	953	1169			1991
Pk Hr Factor	0.909	0.943			0.950	Pk Hr Factor	0.961	0.870			0.948
7 - 9 Volume	1239	971	0	0	2210	4 - 6 Volume	1587	2212	0	0	3799
7 - 9 Peak Hour	07:30	08:00			07:30	4 - 6 Peak Hour	17:00	16:45			16:45
7 - 9 Pk Volume	655	544	0	0	1163	4 - 6 Pk Volume	823	1169	0	0	1991
Pk Hr Factor	0.895	0.866	0.000	0.000	0.963	Pk Hr Factor	0.854	0.870	0.000	0.000	0.948

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Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Friars Rd EB Ramps & Mission Center Ct

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_096

DAILY TOTALS	NB	SB	EB	WB	Total
	10,230	8,844	0	0	19,074

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	26		17						43		12:00	207		190						397	
00:15	20		10						30		12:15	231		165						396	
00:30	21		14						35		12:30	222		171						393	
00:45	14	81	7	48					21	129	12:45	234	894	163	689					397	1583
01:00	6		4						10		13:00	214		182						396	
01:15	11		5						16		13:15	186		164						350	
01:30	7		3						10		13:30	203		179						382	
01:45	7	31	1	13					8	44	13:45	208	811	144	669					352	1480
02:00	4		4						8		14:00	176		131						307	
02:15	12		5						17		14:15	163		157						320	
02:30	6		7						13		14:30	187		160						347	
02:45	4	26	3	19					7	45	14:45	167	693	156	604					323	1297
03:00	3		4						7		15:00	160		165						325	
03:15	6		7						13		15:15	183		179						362	
03:30	3		2						5		15:30	159		168						327	
03:45	2	14	1	14					3	28	15:45	187	689	182	694					369	1383
04:00	7		6						13		16:00	180		179						359	
04:15	7		7						14		16:15	190		195						385	
04:30	11		6						17		16:30	179		175						354	
04:45	12	37	14	33					26	70	16:45	221	770	172	721					393	1491
05:00	26		8						34		17:00	214		237						451	
05:15	18		14						32		17:15	229		194						423	
05:30	46		24						70		17:30	193		165						358	
05:45	54	144	18	64					72	208	17:45	179	815	198	794					377	1609
06:00	62		22						84		18:00	162		163						325	
06:15	78		27						105		18:15	176		160						336	
06:30	98		60						158		18:30	150		134						284	
06:45	113	351	54	163					167	514	18:45	159	647	146	603					305	1250
07:00	110		57						167		19:00	156		145						301	
07:15	127		74						201		19:15	133		92						225	
07:30	120		86						206		19:30	142		101						243	
07:45	122	479	113	330					235	809	19:45	123	554	96	434					219	988
08:00	110		97						207		20:00	132		93						225	
08:15	126		116						242		20:15	95		87						182	
08:30	133		139						272		20:30	102		60						162	
08:45	118	487	131	483					249	970	20:45	101	430	83	323					184	753
09:00	98		113						211		21:00	100		64						164	
09:15	105		106						211		21:15	93		57						150	
09:30	98		130						228		21:30	75		50						125	
09:45	116	417	126	475					242	892	21:45	79	347	53	224					132	571
10:00	116		99						215		22:00	58		40						98	
10:15	124		116						240		22:15	51		44						95	
10:30	138		152						290		22:30	46		35						81	
10:45	153	531	140	507					293	1038	22:45	44	199	31	150					75	349
11:00	160		151						311		23:00	39		25						64	
11:15	142		167						309		23:15	40		27						67	
11:30	152		165						317		23:30	47		24						71	
11:45	170	624	196	679					366	1303	23:45	33	159	35	111					68	270
TOTALS		3222		2828						6050	TOTALS		7008		6016						13024
SPLIT %		53.3%		46.7%						31.7%	SPLIT %		53.8%		46.2%						68.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,230	8,844	0	0	19,074

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:15	17:00			16:45
AM Pk Volume	830	722			1552	PM Pk Volume	901	794			1625
Pk Hr Factor	0.898	0.921			0.977	Pk Hr Factor	0.963	0.838			0.901
7 - 9 Volume	966	813	0	0	1779	4 - 6 Volume	1585	1515	0	0	3100
7 - 9 Peak Hour	07:45	08:00			08:00	4 - 6 Peak Hour	16:45	17:00			16:45
7 - 9 Pk Volume	491	483	0	0	970	4 - 6 Pk Volume	857	794	0	0	1625
Pk Hr Factor	0.923	0.869	0.000	0.000	0.892	Pk Hr Factor	0.936	0.838	0.000	0.000	0.901

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Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Friars Rd EB Ramps & Mission Center Ct

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_096

DAILY TOTALS	NB	SB	EB	WB	Total
	10,576	9,290	0	0	19,866

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	33		19						52		12:00	198		181						379	
00:15	21		15						36		12:15	217		170						387	
00:30	33		20						53		12:30	208		186						394	
00:45	29	116	10	64					39	180	12:45	224	847	155	692					379	1539
01:00	37		15						52		13:00	208		190						398	
01:15	27		16						43		13:15	210		174						384	
01:30	33		15						48		13:30	195		156						351	
01:45	25	122	11	57					36	179	13:45	203	816	154	674					357	1490
02:00	19		6						25		14:00	203		160						363	
02:15	11		11						22		14:15	190		164						354	
02:30	5		3						8		14:30	209		142						351	
02:45	6	41	3	23					9	64	14:45	151	753	158	624					309	1377
03:00	3		4						7		15:00	197		180						377	
03:15	13		6						19		15:15	161		162						323	
03:30	4		0						4		15:30	200		173						373	
03:45	5	25	4	14					9	39	15:45	181	739	194	709					375	1448
04:00	4		4						8		16:00	180		197						377	
04:15	9		2						11		16:15	171		179						350	
04:30	13		5						18		16:30	191		200						391	
04:45	13	39	11	22					24	61	16:45	210	752	196	772					406	1524
05:00	25		8						33		17:00	217		218						435	
05:15	25		13						38		17:15	236		189						425	
05:30	41		25						66		17:30	179		177						356	
05:45	56	147	27	73					83	220	17:45	190	822	179	763					369	1585
06:00	54		28						82		18:00	157		172						329	
06:15	77		34						111		18:15	144		180						324	
06:30	101		61						162		18:30	161		183						344	
06:45	124	356	55	178					179	534	18:45	150	612	148	683					298	1295
07:00	103		65						168		19:00	154		137						291	
07:15	117		86						203		19:15	131		129						260	
07:30	120		107						227		19:30	134		103						237	
07:45	115	455	121	379					236	834	19:45	124	543	95	464					219	1007
08:00	116		105						221		20:00	104		101						205	
08:15	123		123						246		20:15	120		98						218	
08:30	138		118						256		20:30	103		85						188	
08:45	125	502	138	484					263	986	20:45	101	428	78	362					179	790
09:00	103		100						203		21:00	105		80						185	
09:15	133		119						252		21:15	77		76						153	
09:30	114		117						231		21:30	103		63						166	
09:45	104	454	129	465					233	919	21:45	69	354	53	272					122	626
10:00	146		132						278		22:00	56		43						99	
10:15	149		133						282		22:15	51		45						96	
10:30	152		123						275		22:30	47		35						82	
10:45	148	595	177	565					325	1160	22:45	43	197	29	152					72	349
11:00	178		149						327		23:00	36		19						55	
11:15	160		174						334		23:15	25		19						44	
11:30	185		201						386		23:30	32		16						48	
11:45	222	745	204	728					426	1473	23:45	23	116	17	71					40	187
TOTALS		3597		3052						**6649**	**TOTALS**		6979		6238						**13217**
SPLIT %		54.1%		45.9%						**33.5%**	**SPLIT %**		52.8%		47.2%						**66.5%**

DAILY TOTALS	NB	SB	EB	WB	Total
	10,576	9,290	0	0	19,866

AM Peak Hour	11:45	11:15			**11:45**	**PM Peak Hour**	12:15	16:30			**16:30**
AM Pk Volume	845	760			**1586**	**PM Pk Volume**	857	803			**1657**
Pk Hr Factor	0.952	0.931			**0.931**	**Pk Hr Factor**	0.956	0.921			**0.952**
7 - 9 Volume	957	863	0	0	**1820**	**4 - 6 Volume**	1574	1535	0	0	**3109**
7 - 9 Peak Hour	08:00	08:00			**08:00**	**4 - 6 Peak Hour**	16:30	16:30			**16:30**
7 - 9 Pk Volume	502	484	0	0	**986**	**4 - 6 Pk Volume**	854	803	0	0	**1657**
Pk Hr Factor	0.909	0.877	0.000	0.000	**0.937**	**Pk Hr Factor**	0.905	0.921	0.000	0.000	**0.952**

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Mission Center Ct & Hazard Center Dr

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_097

DAILY TOTALS	NB	SB	EB	WB	Total
	10,561	8,752	0	0	19,313

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	20		18				38		12:00	183		196				379	
00:15	9		12				21		12:15	210		186				396	
00:30	13		5				18		12:30	220		177				397	
00:45	7	49	7	42			14	91	12:45	231	844	179	738			410	1582
01:00	7		12				19		13:00	181		161				342	
01:15	7		9				16		13:15	232		179				411	
01:30	9		3				12		13:30	186		152				338	
01:45	7	30	2	26			9	56	13:45	177	776	145	637			322	1413
02:00	8		1				9		14:00	219		150				369	
02:15	3		4				7		14:15	189		150				339	
02:30	1		4				5		14:30	175		156				331	
02:45	6	18	3	12			9	30	14:45	159	742	179	635			338	1377
03:00	9		4				13		15:00	182		150				332	
03:15	1		3				4		15:15	181		176				357	
03:30	4		2				6		15:30	188		172				360	
03:45	6	20	7	16			13	36	15:45	175	726	159	657			334	1383
04:00	5		1				6		16:00	206		194				400	
04:15	6		6				12		16:15	186		190				376	
04:30	10		9				19		16:30	183		160				343	
04:45	11	32	11	27			22	59	16:45	211	786	175	719			386	1505
05:00	14		8				22		17:00	163		269				432	
05:15	15		12				27		17:15	214		213				427	
05:30	35		15				50		17:30	208		193				401	
05:45	36	100	25	60			61	160	17:45	162	747	176	851			338	1598
06:00	38		24				62		18:00	160		169				329	
06:15	57		21				78		18:15	179		154				333	
06:30	68		46				114		18:30	166		148				314	
06:45	88	251	42	133			130	384	18:45	141	646	143	614			284	1260
07:00	107		66				173		19:00	171		106				277	
07:15	96		61				157		19:15	151		123				274	
07:30	129		72				201		19:30	143		121				264	
07:45	129	461	108	307			237	768	19:45	159	624	94	444			253	1068
08:00	150		88				238		20:00	129		116				245	
08:15	124		101				225		20:15	136		93				229	
08:30	130		110				240		20:30	147		87				234	
08:45	149	553	112	411			261	964	20:45	113	525	64	360			177	885
09:00	146		87				233		21:00	119		71				190	
09:15	140		97				237		21:15	126		65				191	
09:30	114		100				214		21:30	98		59				157	
09:45	144	544	109	393			253	937	21:45	80	423	38	233			118	656
10:00	113		125				238		22:00	71		44				115	
10:15	128		117				245		22:15	67		38				105	
10:30	132		150				282		22:30	64		28				92	
10:45	177	550	153	545			330	1095	22:45	43	245	35	145			78	390
11:00	157		153				310		23:00	38		27				65	
11:15	175		130				305		23:15	43		33				76	
11:30	199		162				361		23:30	36		26				62	
11:45	187	718	192	637			379	1355	23:45	34	151	24	110			58	261
TOTALS		3326		2609				5935	TOTALS		7235		6143				13378
SPLIT %		56.0%		44.0%				30.7%	SPLIT %		54.1%		45.9%				69.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,561	8,752	0	0	19,313

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:30	17:00			16:45
AM Pk Volume	800	751			1551	PM Pk Volume	864	851			1646
Pk Hr Factor	0.909	0.958			0.977	Pk Hr Factor	0.931	0.791			0.953
7 - 9 Volume	1014	718	0	0	1732	4 - 6 Volume	1533	1570	0	0	3103
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:45	17:00			16:45
7 - 9 Pk Volume	553	411	0	0	964	4 - 6 Pk Volume	796	851	0	0	1646
Pk Hr Factor	0.922	0.917	0.000	0.000	0.923	Pk Hr Factor	0.930	0.791	0.000	0.000	0.953

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Mission Center Ct & Hazard Center Dr

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_097

DAILY TOTALS	NB	SB	EB	WB	Total
	10,689	8,888	0	0	19,577

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	35		24						59		12:00	175		209						384	
00:15	22		10						32		12:15	212		170						382	
00:30	15		18						33		12:30	218		172						390	
00:45	21	93	21	73					42	166	12:45	249	854	153	704					402	1558
01:00	13		17						30		13:00	229		176						405	
01:15	13		14						27		13:15	216		145						361	
01:30	16		18						34		13:30	212		158						370	
01:45	19	61	29	78					48	139	13:45	169	826	119	598					288	1424
02:00	10		13						23		14:00	208		142						350	
02:15	7		9						16		14:15	189		142						331	
02:30	7		6						13		14:30	175		166						341	
02:45	6	30	7	35					13	65	14:45	184	756	139	589					323	1345
03:00	4		2						6		15:00	163		179						342	
03:15	2		4						6		15:15	171		143						314	
03:30	5		7						12		15:30	190		201						391	
03:45	7	18	4	17					11	35	15:45	208	732	193	716					401	1448
04:00	3		2						5		16:00	212		188						400	
04:15	4		2						6		16:15	195		196						391	
04:30	4		9						13		16:30	175		200						375	
04:45	10	21	8	21					18	42	16:45	199	781	220	804					419	1585
05:00	9		5						14		17:00	187		262						449	
05:15	22		5						27		17:15	218		236						454	
05:30	24		13						37		17:30	208		184						392	
05:45	33	88	27	50					60	138	17:45	204	817	176	858					380	1675
06:00	59		21						80		18:00	175		159						334	
06:15	59		34						93		18:15	194		153						347	
06:30	77		48						125		18:30	160		127						287	
06:45	97	292	42	145					139	437	18:45	156	685	119	558					275	1243
07:00	103		56						159		19:00	131		118						249	
07:15	118		66						184		19:15	124		103						227	
07:30	114		83						197		19:30	155		89						244	
07:45	138	473	83	288					221	761	19:45	145	555	111	421					256	976
08:00	132		90						222		20:00	136		85						221	
08:15	155		100						255		20:15	110		95						205	
08:30	135		143						278		20:30	138		76						214	
08:45	161	583	144	477					305	1060	20:45	126	510	84	340					210	850
09:00	159		92						251		21:00	115		70						185	
09:15	120		100						220		21:15	83		66						149	
09:30	124		115						239		21:30	107		78						185	
09:45	132	535	116	423					248	958	21:45	69	374	51	265					120	639
10:00	137		129						266		22:00	71		54						125	
10:15	146		121						267		22:15	55		58						113	
10:30	138		122						260		22:30	48		51						99	
10:45	155	576	122	494					277	1070	22:45	40	214	41	204					81	418
11:00	169		137						306		23:00	38		41						79	
11:15	150		138						288		23:15	42		30						72	
11:30	154		179						333		23:30	33		20						53	
11:45	201	674	168	622					369	1296	23:45	28	141	17	108					45	249
TOTALS		3444		2723						6167	TOTALS		7245		6165						13410
SPLIT %		55.8%		44.2%						31.5%	SPLIT %		54.0%		46.0%						68.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	10,689	8,888	0	0	19,577

AM Peak Hour	11:45	11:30			11:45	PM Peak Hour	12:30	16:30			16:45
AM Pk Volume	806	726			1525	PM Pk Volume	912	918			1714
Pk Hr Factor	0.924	0.868			0.978	Pk Hr Factor	0.916	0.876			0.944
7 - 9 Volume	1056	765	0	0	1821	4 - 6 Volume	1598	1662	0	0	3260
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	17:00	16:30			16:45
7 - 9 Pk Volume	583	477	0	0	1060	4 - 6 Pk Volume	817	918	0	0	1714
Pk Hr Factor	0.905	0.828	0.000	0.000	0.869	Pk Hr Factor	0.937	0.876	0.000	0.000	0.944

Segment ID: 97

Mission Center Rd from Hazard Center Dr to Camino de la Reina

AM Peak Period Heavy Vehicle Percentage: 2.00%

Noon Peak Period Heavy Vehicle Percentage: 1.55%

PM Period Heavy Vehicle Percentage: 1.05%

Average Daily Heavy Vehicle Percentage: 1.00%

Prepared by National Data & Surveying Services

97

CLASSIFICATION

Mission Center Rd Bet. Hazard Center Dr & Camino De La Reina

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_098

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	212	23	0	1	0	0	0	0	0	0	0	0	236
01:00	0	99	11	0	0	0	0	1	0	0	0	0	0	111
02:00	0	55	7	0	0	0	0	0	0	0	0	0	0	62
03:00	0	48	4	0	0	0	0	0	0	0	0	0	0	52
04:00	1	61	9	0	1	2	0	0	0	0	0	0	0	74
05:00	0	169	27	0	2	0	0	0	0	0	0	0	0	198
06:00	4	439	72	0	8	2	0	1	1	0	0	0	0	527
07:00	4	952	126	1	14	0	0	0	2	0	0	0	0	1099
08:00	7	1070	134	1	17	4	0	1	0	0	0	0	0	1234
09:00	2	1159	149	0	29	1	0	1	1	0	0	0	0	1342
10:00	4	1242	178	2	8	0	0	0	0	0	0	0	0	1434
11:00	3	1634	190	5	27	3	0	0	1	0	0	0	0	1863
12:00 PM	4	1821	227	3	28	0	0	0	0	0	0	0	0	2083
13:00	3	1794	234	0	12	0	0	0	0	0	0	0	0	2043
14:00	3	1595	177	0	27	0	0	0	0	0	0	0	0	1802
15:00	7	1764	198	0	27	0	0	0	0	0	0	0	0	1996
16:00	7	1890	208	0	29	0	0	0	0	0	0	0	0	2134
17:00	8	2010	222	1	23	0	0	0	0	0	0	0	0	2264
18:00	3	1559	185	0	12	0	0	0	0	0	0	0	0	1759
19:00	3	1454	153	0	12	0	0	0	0	0	0	0	0	1622
20:00	4	1174	135	1	11	0	0	0	0	0	0	0	0	1325
21:00	0	872	89	0	6	0	0	0	1	0	0	0	0	968
22:00	0	507	58	0	4	0	0	0	0	0	0	0	0	569
23:00	0	275	32	0	1	0	0	0	0	0	0	0	0	308
Totals	67	23855	2848	14	299	12		4	6					27105
% of Totals	0%	88%	11%	0%	1%	0%		0%	0%					100%

AM Volumes	25	7140	930	9	107	12	0	4	5	0	0	0	0	8232
% AM	0%	26%	3%	0%	0%	0%		0%	0%					30%
AM Peak Hour	08:00	11:00	11:00	11:00	09:00	08:00		01:00	07:00					11:00
Volume	7	1634	190	5	29	4		1	2					1863
PM Volumes	42	16715	1918	5	192	0	0	0	1	0	0	0	0	18873
% PM	0%	62%	7%	0%	1%				0%					70%
PM Peak Hour	17:00	17:00	13:00	12:00	16:00				21:00					17:00
Volume	8	2010	234	3	29				1					2264

Directional Peak Periods All Classes	AM 7-9 Volume	↔	%	NOON 12-2 Volume	↔	%	PM 4-6 Volume	↔	%	Off Peak Volumes Volume	↔	%
	2333	↔	9%	4126	↔	15%	4398	↔	16%	16248	↔	60%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Hazard Center Dr & Camino De La Riena

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_098

DAILY TOTALS	NB	SB	EB	WB	Total
	15,871	11,234	0	0	27,105

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	29		45				74		12:00	302		203				505	
00:15	20		33				53		12:15	337		204				541	
00:30	24		33				57		12:30	312		201				513	
00:45	25	98	27	138			52	236	12:45	322	1273	202	810			524	2083
01:00	11		18				29		13:00	342		207				549	
01:15	16		16				32		13:15	315		189				504	
01:30	2		17				19		13:30	318		196				514	
01:45	11	40	20	71			31	111	13:45	302	1277	174	766			476	2043
02:00	5		15				20		14:00	299		192				491	
02:15	6		10				16		14:15	278		184				462	
02:30	3		8				11		14:30	225		176				401	
02:45	7	21	8	41			15	62	14:45	273	1075	175	727			448	1802
03:00	2		7				9		15:00	264		222				486	
03:15	9		10				19		15:15	269		194				463	
03:30	9		5				14		15:30	296		243				539	
03:45	6	26	4	26			10	52	15:45	283	1112	225	884			508	1996
04:00	9		4				13		16:00	285		226				511	
04:15	5		6				11		16:15	297		210				507	
04:30	15		7				22		16:30	302		258				560	
04:45	18	47	10	27			28	74	16:45	311	1195	245	939			556	2134
05:00	23		8				31		17:00	289		312				601	
05:15	27		12				39		17:15	323		240				563	
05:30	28		15				43		17:30	295		259				554	
05:45	63	141	22	57			85	198	17:45	297	1204	249	1060			546	2264
06:00	56		28				84		18:00	238		213				451	
06:15	72		31				103		18:15	279		211				490	
06:30	102		54				156		18:30	222		176				398	
06:45	120	350	64	177			184	527	18:45	231	970	189	789			420	1759
07:00	145		90				235		19:00	243		165				408	
07:15	129		82				211		19:15	253		172				425	
07:30	199		109				308		19:30	234		149				383	
07:45	201	674	144	425			345	1099	19:45	227	957	179	665			406	1622
08:00	198		104				302		20:00	209		140				349	
08:15	204		101				305		20:15	213		137				350	
08:30	189		123				312		20:30	213		115				328	
08:45	200	791	115	443			315	1234	20:45	175	810	123	515			298	1325
09:00	194		107				301		21:00	156		153				309	
09:15	221		110				331		21:15	134		108				242	
09:30	225		125				350		21:30	116		121				237	
09:45	211	851	149	491			360	1342	21:45	115	521	65	447			180	968
10:00	180		150				330		22:00	100		84				184	
10:15	221		162				383		22:15	90		70				160	
10:30	206		134				340		22:30	59		62				121	
10:45	252	859	129	575			381	1434	22:45	54	303	50	266			104	569
11:00	248		192				440		23:00	51		40				91	
11:15	284		171				455		23:15	42		37				79	
11:30	277		188				465		23:30	28		36				64	
11:45	307	1116	196	747			503	1863	23:45	39	160	35	148			74	308
TOTALS		5014		3218				8232	TOTALS		10857		8016				18873
SPLIT %		60.9%		39.1%				30.4%	SPLIT %		57.5%		42.5%				69.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	15,871	11,234	0	0	27,105

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:15	17:00			16:30
AM Pk Volume	1258	804			2062	PM Pk Volume	1313	1060			2280
Pk Hr Factor	0.933	0.985			0.953	Pk Hr Factor	0.960	0.849			0.948
7 - 9 Volume	1465	868	0	0	2333	4 - 6 Volume	2399	1999	0	0	4398
7 - 9 Peak Hour	07:30	07:45			07:45	4 - 6 Peak Hour	16:30	17:00			16:30
7 - 9 Pk Volume	802	472	0	0	1264	4 - 6 Pk Volume	1225	1060	0	0	2280
Pk Hr Factor	0.983	0.819	0.000	0.000	0.916	Pk Hr Factor	0.948	0.849	0.000	0.000	0.948

Prepared by National Data & Surveying Services

CLASSIFICATION

Mission Center Rd Bet. Hazard Center Dr & Camino De La Reina

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_098

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	204	20	0	3	0	0	0	0	0	0	0	0	227
01:00	0	165	10	0	0	0	0	0	0	0	0	0	0	175
02:00	0	86	8	0	1	0	0	1	0	0	0	0	0	96
03:00	0	56	8	0	0	0	0	0	2	0	0	0	0	66
04:00	0	65	10	0	0	0	0	0	0	0	0	0	0	75
05:00	0	185	23	2	2	2	0	0	1	0	0	0	0	215
06:00	2	508	88	1	8	2	0	1	1	0	0	0	0	611
07:00	4	976	118	1	21	1	0	0	0	0	0	0	0	1121
08:00	5	1085	158	1	23	2	0	1	0	0	0	0	0	1275
09:00	4	1161	158	1	18	0	0	1	0	0	0	0	0	1343
10:00	2	1307	198	2	24	0	0	1	0	0	0	0	0	1534
11:00	5	1481	216	0	33	1	0	2	0	0	0	0	0	1738
12:00 PM	5	1882	266	0	31	0	0	1	2	0	0	0	0	2187
13:00	3	1787	254	1	23	0	0	1	1	0	0	0	0	2070
14:00	7	1528	198	1	25	0	0	0	0	0	0	0	0	1759
15:00	7	1657	205	1	22	0	0	0	0	0	0	0	0	1892
16:00	5	1701	199	0	16	0	0	0	0	0	0	0	0	1921
17:00	10	1950	225	0	21	0	0	0	0	0	0	0	0	2206
18:00	5	1668	198	0	16	0	0	0	0	0	0	0	0	1887
19:00	2	1357	149	0	19	0	0	0	0	0	0	0	0	1527
20:00	3	1106	135	0	10	0	0	1	0	0	0	0	0	1255
21:00	3	856	98	0	9	0	0	0	0	0	0	0	0	966
22:00	1	480	53	0	4	0	0	0	0	0	0	0	0	538
23:00	0	296	36	1	3	0	0	0	0	0	0	0	0	336
Totals	73	23547	3031	12	332	8		10	7					27020
% of Totals	0%	87%	11%	0%	1%	0%		0%	0%					100%

AM Volumes	22	7279	1015	8	133	8	0	7	4	0	0	0	0	8476
% AM	0%	27%	4%	0%	0%	0%		0%	0%					31%
AM Peak Hour	08:00	11:00	11:00	05:00	11:00	05:00		11:00	03:00					11:00
Volume	5	1481	216	2	33	2		2	2					1738
PM Volumes	51	16268	2016	4	199	0	0	3	3	0	0	0	0	18544
% PM	0%	60%	7%	0%	1%			0%	0%					69%
PM Peak Hour	17:00	17:00	12:00	13:00	12:00			12:00	12:00					17:00
Volume	10	1950	266	1	31			1	2					2206

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	2396	⟷	9%	4257	⟷	16%	4127	⟷	15%	16240	⟷	60%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

97

Prepared by NDS/ATD

VOLUME

Mission Center Rd Bet. Hazard Center Dr & Camino De La Riena

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_098

DAILY TOTALS	NB	SB	EB	WB	Total
	15,722	11,298	0	0	27,020

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	37		27						64		12:00	349		195						544	
00:15	25		36						61		12:15	318		198						516	
00:30	33		19						52		12:30	357		214						571	
00:45	23	118	27	109					50	227	12:45	362	1386	194	801					556	2187
01:00	12		22						34		13:00	342		196						538	
01:15	16		21						37		13:15	325		182						507	
01:30	19		30						49		13:30	315		199						514	
01:45	21	68	34	107					55	175	13:45	321	1303	190	767					511	2070
02:00	19		22						41		14:00	248		176						424	
02:15	1		18						19		14:15	276		178						454	
02:30	4		13						17		14:30	254		177						431	
02:45	10	34	9	62					19	96	14:45	262	1040	188	719					450	1759
03:00	7		5						12		15:00	261		202						463	
03:15	9		12						21		15:15	276		198						474	
03:30	9		10						19		15:30	243		235						478	
03:45	9	34	5	32					14	66	15:45	250	1030	227	862					477	1892
04:00	3		7						10		16:00	262		231						493	
04:15	10		4						14		16:15	243		204						447	
04:30	7		10						17		16:30	236		251						487	
04:45	21	41	13	34					34	75	16:45	261	1002	233	919					494	1921
05:00	27		10						37		17:00	270		296						566	
05:15	28		17						45		17:15	289		268						557	
05:30	27		13						40		17:30	314		274						588	
05:45	63	145	30	70					93	215	17:45	288	1161	207	1045					495	2206
06:00	62		32						94		18:00	256		220						476	
06:15	79		38						117		18:15	303		212						515	
06:30	131		68						199		18:30	274		202						476	
06:45	143	415	58	196					201	611	18:45	230	1063	190	824					420	1887
07:00	140		86						226		19:00	254		177						431	
07:15	184		83						267		19:15	234		159						393	
07:30	152		99						251		19:30	190		138						328	
07:45	249	725	128	396					377	1121	19:45	214	892	161	635					375	1527
08:00	203		97						300		20:00	229		144						373	
08:15	210		115						325		20:15	192		122						314	
08:30	207		102						309		20:30	155		115						270	
08:45	222	842	119	433					341	1275	20:45	158	734	140	521					298	1255
09:00	243		119						362		21:00	139		149						288	
09:15	183		119						302		21:15	146		128						274	
09:30	188		127						315		21:30	120		113						233	
09:45	236	850	128	493					364	1343	21:45	90	495	81	471					171	966
10:00	185		139						324		22:00	79		100						179	
10:15	207		152						359		22:15	61		71						132	
10:30	282		149						431		22:30	66		59						125	
10:45	251	925	169	609					420	1534	22:45	44	250	58	288					102	538
11:00	227		159						386		23:00	28		62						90	
11:15	225		179						404		23:15	50		41						91	
11:30	269		178						447		23:30	34		31						65	
11:45	301	1022	200	716					501	1738	23:45	35	147	55	189					90	336
TOTALS		5219		3257						8476	TOTALS		10503		8041						18544
SPLIT %		61.6%		38.4%						31.4%	SPLIT %		56.6%		43.4%						68.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	15,722	11,298	0	0	27,020

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:00	16:45			17:00
AM Pk Volume	1325	807			2132	PM Pk Volume	1386	1071			2206
Pk Hr Factor	0.928	0.943			0.933	Pk Hr Factor	0.957	0.905			0.938
7 - 9 Volume	1567	829	0	0	2396	4 - 6 Volume	2163	1964	0	0	4127
7 - 9 Peak Hour	07:45	07:45			07:45	4 - 6 Peak Hour	17:00	16:45			17:00
7 - 9 Pk Volume	869	442	0	0	1311	4 - 6 Pk Volume	1161	1071	0	0	2206
Pk Hr Factor	0.872	0.863	0.000	0.000	0.869	Pk Hr Factor	0.924	0.905	0.000	0.000	0.938

WEDNESDAY - SEPTEMBER 9, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Center Road, From Camino De La Reina to Camino Del Rio North

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	40		28					12:00	208		203				
00:15	35		21					12:15	219		245				
00:30	28		22					12:30	222		251				
00:45	21	124	16	87			211	12:45	218	867	262	961			1828
01:00	22		24					13:00	205		235				
01:15	26		20					13:15	213		244				
01:30	20		18					13:30	242		252				
01:45	25	93	20	82			175	13:45	206	866	222	953			1819
02:00	24		15					14:00	184		219				
02:15	22		11					14:15	166		205				
02:30	11		11					14:30	154		188				
02:45	16	73	16	53			126	14:45	135	639	191	803			1442
03:00	18		10					15:00	144		165				
03:15	11		14					15:15	168		174				
03:30	16		18					15:30	174		184				
03:45	18	63	19	61			124	15:45	164	650	212	735			1385
04:00	10		22					16:00	177		206				
04:15	15		26					16:15	189		235				
04:30	22		24					16:30	191		319				
04:45	26	73	21	93			166	16:45	211	768	305	1065			1833
05:00	35		25					17:00	206		319				
05:15	44		33					17:15	214		284				
05:30	54		31					17:30	205		295				
05:45	51	184	28	117			301	17:45	184	809	312	1210			2019
06:00	68		34					18:00	165		305				
06:15	70		51					18:15	174		298				
06:30	84		68					18:30	154		242				
06:45	105	327	84	237			564	18:45	121	614	251	1096			1710
07:00	121		81					19:00	103		222				
07:15	135		99					19:15	114		184				
07:30	145		94					19:30	119		126				
07:45	175	576	105	379			955	19:45	106	442	135	667			1109
08:00	161		111					20:00	88		141				
08:15	194		103					20:15	95		111				
08:30	181		125					20:30	103		108				
08:45	177	713	114	453			1166	20:45	84	370	95	455			825
09:00	165		105					21:00	94		70				
09:15	174		109					21:15	65		65				
09:30	151		121					21:30	77		88				
09:45	162	652	142	477			1129	21:45	54	290	84	307			597
10:00	174		135					22:00	65		70				
10:15	165		162					22:15	40		65				
10:30	194		174					22:30	35		40				
10:45	184	717	184	655			1372	22:45	41	181	35	210			391
11:00	162		219					23:00	22		33				
11:15	195		205					23:15	28		28				
11:30	213		216					23:30	30		21				
11:45	222	792	203	843			1635	23:45	31	111	29	111			222
Total Vol.		4387		3537			**7924**			6607		8573			**15180**

Daily Totals

NB	SB	EB	WB	**Combined**
10994	12110			**23104**

	AM			**PM**		
Split %	55.4%	44.6%	**34.3%**	43.5%	56.5%	**65.7%**
Peak Hour	11:45	11:45	**11:45**	12:45	16:30	**16:30**
Volume	871	902	**1773**	878	1227	**2049**
P.H.F.	0.98	0.90	**0.94**	0.97	0.96	**0.98**

THURSDAY - SEPTEMBER 10, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Center Road, From Camino De La Reina to Camino Del Rio North

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	33		21					12:00	241		280				
00:15	41		18					12:15	202		233				
00:30	28		22					12:30	235		265				
00:45	26	128	28	89			217	12:45	231	909	274	1052			1961
01:00	30		24					13:00	216		262				
01:15	22		21					13:15	205		254				
01:30	16		16					13:30	184		242				
01:45	18	86	12	73			159	13:45	195	800	205	963			1763
02:00	20		11					14:00	165		184				
02:15	15		15					14:15	142		196				
02:30	19		9					14:30	151		166				
02:45	20	74	12	47			121	14:45	162	620	184	730			1350
03:00	11		16					15:00	177		196				
03:15	12		11					15:15	154		212				
03:30	18		18					15:30	149		223				
03:45	22	63	11	56			119	15:45	162	642	242	873			1515
04:00	26		19					16:00	184		270				
04:15	35		15					16:15	191		278				
04:30	33		20					16:30	162		294				
04:45	29	123	18	72			195	16:45	189	726	312	1154			1880
05:00	31		22					17:00	215		342				
05:15	33		19					17:15	203		331				
05:30	45		21					17:30	199		348				
05:45	51	160	25	87			247	17:45	178	795	306	1327			2122
06:00	40		32					18:00	184		294				
06:15	68		44					18:15	162		316				
06:30	77		70					18:30	151		262				
06:45	98	283	66	212			495	18:45	111	608	241	1113			1721
07:00	120		91					19:00	126		203				
07:15	108		80					19:15	135		184				
07:30	162		96					19:30	126		161				
07:45	189	579	84	351			930	19:45	105	492	142	690			1182
08:00	198		121					20:00	141		121				
08:15	216		101					20:15	116		111				
08:30	194		111					20:30	108		97				
08:45	188	796	135	468			1264	20:45	98	463	105	434			897
09:00	178		122					21:00	70		116				
09:15	194		123					21:15	84		84				
09:30	165		105					21:30	65		70				
09:45	166	703	123	473			1176	21:45	35	254	65	335			589
10:00	174		135					22:00	40		44				
10:15	154		154					22:15	42		35				
10:30	168		162					22:30	35		40				
10:45	184	680	177	628			1308	22:45	44	161	28	147			308
11:00	206		194					23:00	28		40				
11:15	242		216					23:15	35		33				
11:30	235		241					23:30	26		22				
11:45	231	914	222	873			1787	23:45	30	119	26	121			240
Total Vol.		4589		3429			**8018**			6589		8939			**15528**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	11178	12368			**23546**

	AM			PM		
Split %	57.2%	42.8%	**34.1%**	42.4%	57.6%	**65.9%**
Peak Hour	11:15	11:45	**11:45**	12:00	16:45	**16:45**
Volume	949	1000	**1909**	909	1333	**2139**
P.H.F.	0.98	0.89	**0.92**	0.95	0.96	**0.96**

2-Day Segment Counts Summary

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

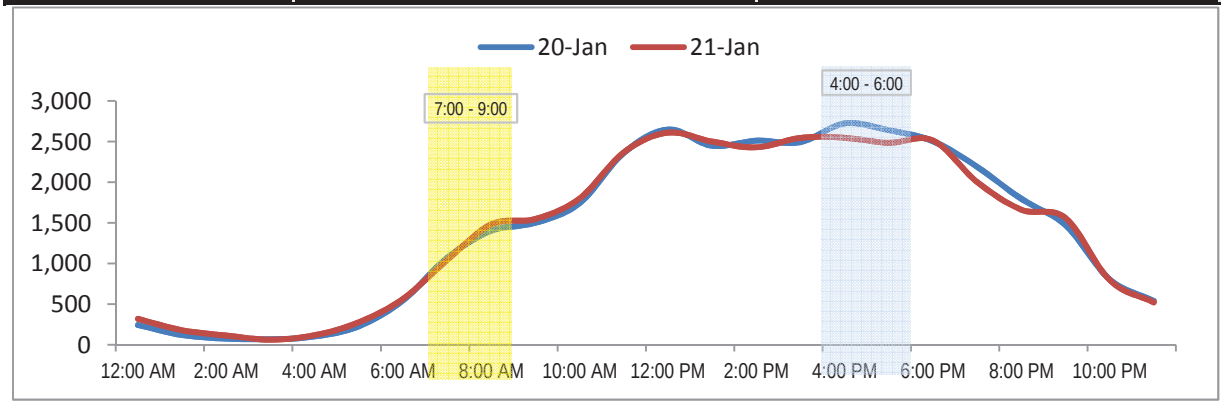
CHEN RYAN

AVC

Location: 1) Mission Center Rd/Auto Circle between Camino Del Rio North and the I-8 EB Ramps
Orientation: *North-South*
Day 1 *Wednesday, January 20, 2016*
Day 2 *Thursday, January 21, 2016*
AVC Proj. No: *16-0468*

Average Daily Traffic	***34,141***
Highest Daily Traffic	***34,230***

Time	Hourly Volume	
	20-Jan	21-Jan
12:00 AM - 1:00 AM	243	320
1:00 AM - 2:00 AM	120	179
2:00 AM - 3:00 AM	76	114
3:00 AM - 4:00 AM	69	63
4:00 AM - 5:00 AM	102	118
5:00 AM - 6:00 AM	228	276
6:00 AM - 7:00 AM	544	565
7:00 AM - 8:00 AM	1,070	1,042
8:00 AM - 9:00 AM	1,403	1,483
9:00 AM - 10:00 AM	1,501	1,548
10:00 AM - 11:00 AM	1,742	1,801
11:00 AM - 12:00 PM	2,360	2,368
12:00 PM - 1:00 PM	2,649	2,610
1:00 PM - 2:00 PM	2,448	2,501
2:00 PM - 3:00 PM	2,512	2,429
3:00 PM - 4:00 PM	2,494	2,547
4:00 PM - 5:00 PM	2,724	2,547
5:00 PM - 6:00 PM	2,640	2,485
6:00 PM - 7:00 PM	2,505	2,514
7:00 PM - 8:00 PM	2,190	2,003
8:00 PM - 9:00 PM	1,795	1,662
9:00 PM - 10:00 PM	1,471	1,560
10:00 PM - 11:00 PM	805	795
11:00 PM - 12:00 AM	539	522
Total	**34,230**	**34,052**



24 Hour Segment Count

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

CHEN RYAN

Location: 1) Mission Center Rd/Auto Circle between Camino Del Rio North and the I-8 EB Ramps

Orientation: *North-South*

Date of Count: *Wednesday, January 20, 2016*

Analysts: *DASH*

Weather: *Sunny*

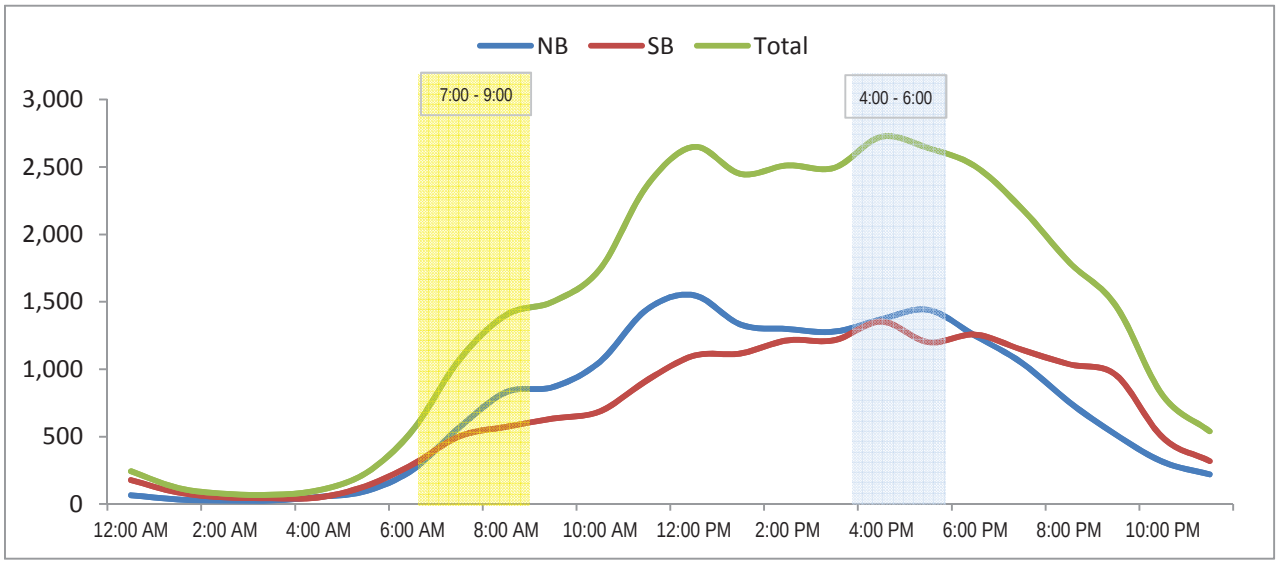
AVC Proj. No: *16-0468*

24 Hour Segment Volume			34,230

Time	Hourly Volume		
	NB	SB	Total
12:00 AM - 1:00 AM	65	178	243
1:00 AM - 2:00 AM	34	86	120
2:00 AM - 3:00 AM	26	50	76
3:00 AM - 4:00 AM	26	43	69
4:00 AM - 5:00 AM	53	49	102
5:00 AM - 6:00 AM	95	133	228
6:00 AM - 7:00 AM	252	292	544
7:00 AM - 8:00 AM	568	502	1,070
8:00 AM - 9:00 AM	830	573	1,403
9:00 AM - 10:00 AM	867	634	1,501
10:00 AM - 11:00 AM	1,055	687	1,742
11:00 AM - 12:00 PM	1,443	917	2360
Total	**5,314**	**4,144**	**9,458**

Time	Hourly Volume		
	NB	SB	Total
12:00 PM - 1:00 PM	1,549	1,100	2,649
1:00 PM - 2:00 PM	1,331	1,117	2,448
2:00 PM - 3:00 PM	1,298	1,214	2,512
3:00 PM - 4:00 PM	1,279	1,215	2,494
4:00 PM - 5:00 PM	1,371	1,353	2,724
5:00 PM - 6:00 PM	1,440	1,200	2,640
6:00 PM - 7:00 PM	1,248	1,257	2,505
7:00 PM - 8:00 PM	1,046	1,144	2,190
8:00 PM - 9:00 PM	758	1,037	1,795
9:00 PM - 10:00 PM	514	957	1,471
10:00 PM - 11:00 PM	313	492	805
11:00 PM - 12:00 AM	220	319	539
Total	**12,367**	**12,405**	**24,772**

24-Hour NB Volume	17,681	24-Hour SB Volume	16,549



24 Hour Segment Count

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

Location: 1) Mission Center Rd/Auto Circle between Camino Del Rio North and the I-8 EB Ramps

Orientation: *North-South*

Date of Count: *Thursday, January 21, 2016*

Analysts: *DASH*

Weather: *Sunny*

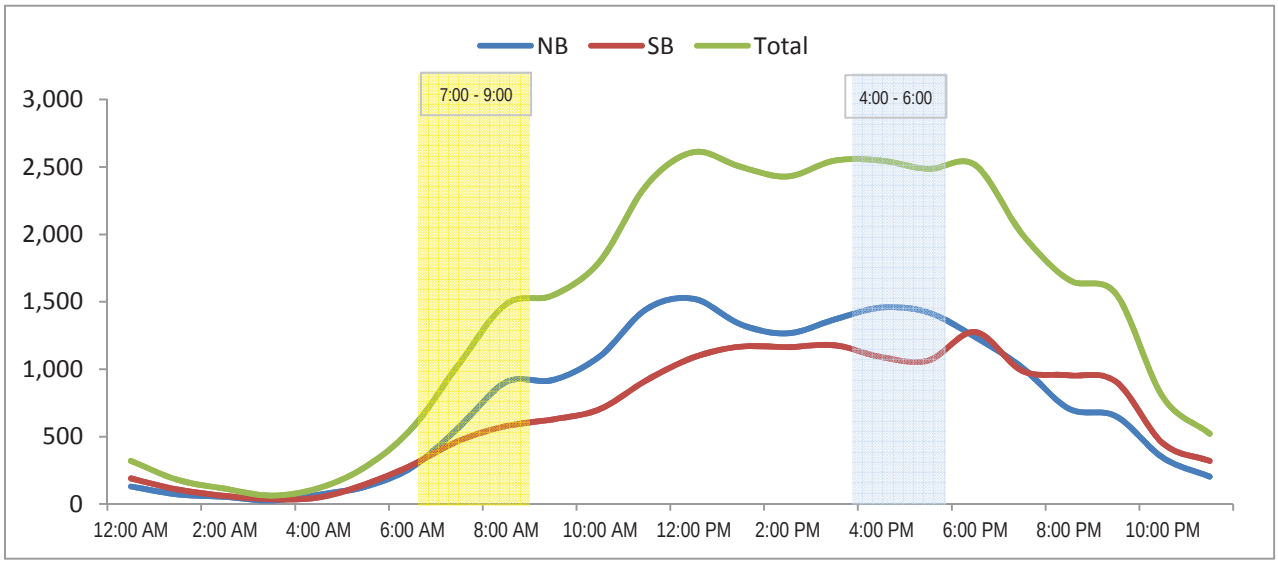
AVC Proj. No: *16-0468*

24 Hour Segment Volume			34,052

Time	Hourly Volume		
	NB	SB	Total
12:00 AM - 1:00 AM	130	190	320
1:00 AM - 2:00 AM	72	107	179
2:00 AM - 3:00 AM	53	61	114
3:00 AM - 4:00 AM	27	36	63
4:00 AM - 5:00 AM	70	48	118
5:00 AM - 6:00 AM	129	147	276
6:00 AM - 7:00 AM	274	291	565
7:00 AM - 8:00 AM	572	470	1,042
8:00 AM - 9:00 AM	905	578	1,483
9:00 AM - 10:00 AM	920	628	1,548
10:00 AM - 11:00 AM	1,097	704	1,801
11:00 AM - 12:00 PM	1,448	920	2368
Total	**5,697**	**4,180**	**9,877**

Time	Hourly Volume		
	NB	SB	Total
12:00 PM - 1:00 PM	1,522	1,088	2,610
1:00 PM - 2:00 PM	1,333	1,168	2,501
2:00 PM - 3:00 PM	1,266	1,163	2,429
3:00 PM - 4:00 PM	1,369	1,178	2,547
4:00 PM - 5:00 PM	1,457	1,090	2,547
5:00 PM - 6:00 PM	1,421	1,064	2,485
6:00 PM - 7:00 PM	1,238	1,276	2,514
7:00 PM - 8:00 PM	1,014	989	2,003
8:00 PM - 9:00 PM	707	955	1,662
9:00 PM - 10:00 PM	652	908	1,560
10:00 PM - 11:00 PM	344	451	795
11:00 PM - 12:00 AM	203	319	522
Total	**12,526**	**11,649**	**24,175**

24-Hour NB Volume	18,223	24-Hour SB Volume	15,829



2-Day Segment Counts Summary

CHEN RYAN

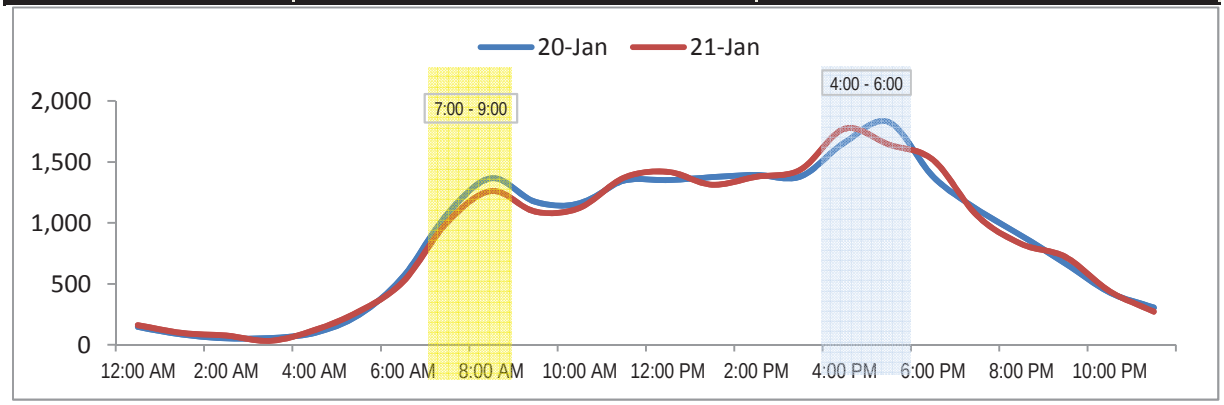
Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

AVC

Location: 2) Mission Center Rd/Aurto Circle between the I-8 EB Ramps and Camino Del Rio South
Orientation: *North-South*
Day 1 *Wednesday, January 20, 2016*
Day 2 *Thursday, January 21, 2016*
AVC Proj. No: *16-0468*

Average Daily Traffic	***21,026***
Highest Daily Traffic	***21,127***

Time	Hourly Volume	
	20-Jan	21-Jan
12:00 AM - 1:00 AM	146	161
1:00 AM - 2:00 AM	84	97
2:00 AM - 3:00 AM	53	76
3:00 AM - 4:00 AM	56	33
4:00 AM - 5:00 AM	98	121
5:00 AM - 6:00 AM	244	273
6:00 AM - 7:00 AM	557	516
7:00 AM - 8:00 AM	1,071	1,003
8:00 AM - 9:00 AM	1,366	1,261
9:00 AM - 10:00 AM	1,172	1,092
10:00 AM - 11:00 AM	1,160	1,123
11:00 AM - 12:00 PM	1,346	1,370
12:00 PM - 1:00 PM	1,351	1,419
1:00 PM - 2:00 PM	1,375	1,313
2:00 PM - 3:00 PM	1,393	1,379
3:00 PM - 4:00 PM	1,381	1,437
4:00 PM - 5:00 PM	1,660	1,772
5:00 PM - 6:00 PM	1,827	1,643
6:00 PM - 7:00 PM	1,380	1,517
7:00 PM - 8:00 PM	1,111	1,059
8:00 PM - 9:00 PM	896	827
9:00 PM - 10:00 PM	666	721
10:00 PM - 11:00 PM	429	440
11:00 PM - 12:00 AM	305	272
Total	**21,127**	**20,925**



CHEN RYAN

24 Hour Segment Count

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

AVC

Location: 2) Mission Center Rd/Aurto Circle between the I-8 EB Ramps and Camino Del Rio South

Orientation: *North-South*

Date of Count: *Wednesday, January 20, 2016*

Analysts: *DASH*

Weather: *Sunny*

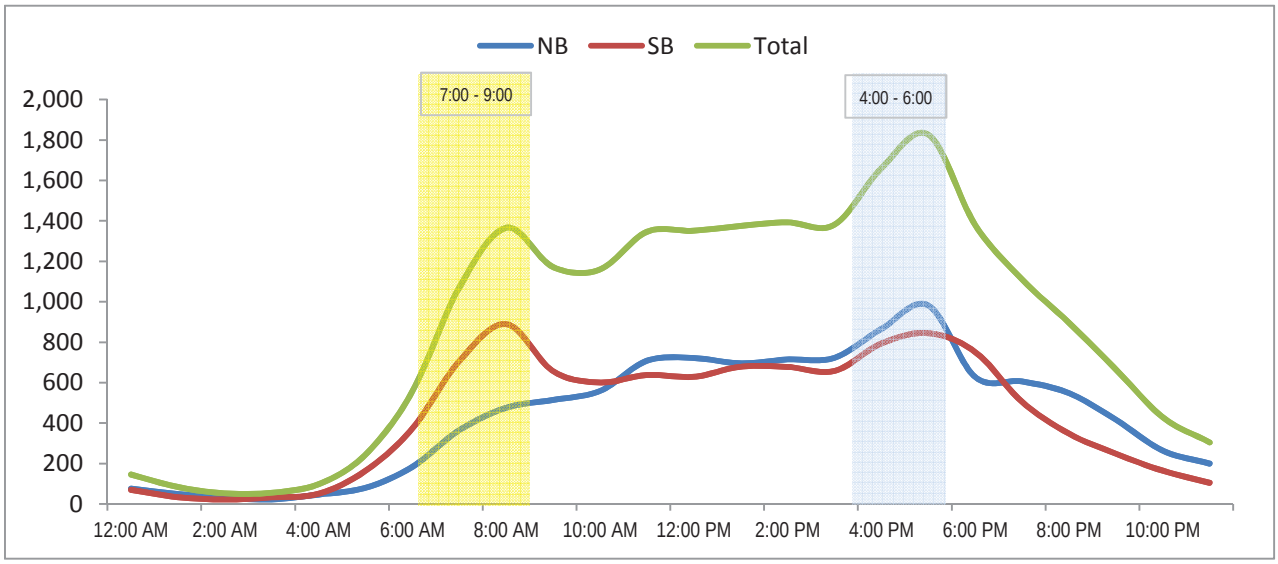
AVC Proj. No: *16-0468*

24 Hour Segment Volume			*21,127*

Time	Hourly Volume		
	NB	SB	Total
12:00 AM - 1:00 AM	76	70	146
1:00 AM - 2:00 AM	50	34	84
2:00 AM - 3:00 AM	31	22	53
3:00 AM - 4:00 AM	23	33	56
4:00 AM - 5:00 AM	47	51	98
5:00 AM - 6:00 AM	80	164	244
6:00 AM - 7:00 AM	184	373	557
7:00 AM - 8:00 AM	365	706	1,071
8:00 AM - 9:00 AM	476	890	1,366
9:00 AM - 10:00 AM	515	657	1,172
10:00 AM - 11:00 AM	559	601	1,160
11:00 AM - 12:00 PM	708	638	1346
Total	**3,114**	**4,239**	**7,353**

Time	Hourly Volume		
	NB	SB	Total
12:00 PM - 1:00 PM	722	629	1,351
1:00 PM - 2:00 PM	696	679	1,375
2:00 PM - 3:00 PM	715	678	1,393
3:00 PM - 4:00 PM	723	658	1,381
4:00 PM - 5:00 PM	866	794	1,660
5:00 PM - 6:00 PM	982	845	1,827
6:00 PM - 7:00 PM	628	752	1,380
7:00 PM - 8:00 PM	606	505	1,111
8:00 PM - 9:00 PM	548	348	896
9:00 PM - 10:00 PM	417	249	666
10:00 PM - 11:00 PM	264	165	429
11:00 PM - 12:00 AM	200	105	305
Total	**7,367**	**6,407**	**13,774**

24-Hour	*NB*	*Volume*	*10,481*	*24-Hour*	*SB*	*Volume*	*10,646*



100

CHEN RYAN

24 Hour Segment Count

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

Location: 2) Mission Center Rd/Aurto Circle between the I-8 EB Ramps and Camino Del Rio South

Orientation: *North-South*

Date of Count: *Thursday, January 21, 2016*

Analysts: *DASH*

Weather: *Sunny*

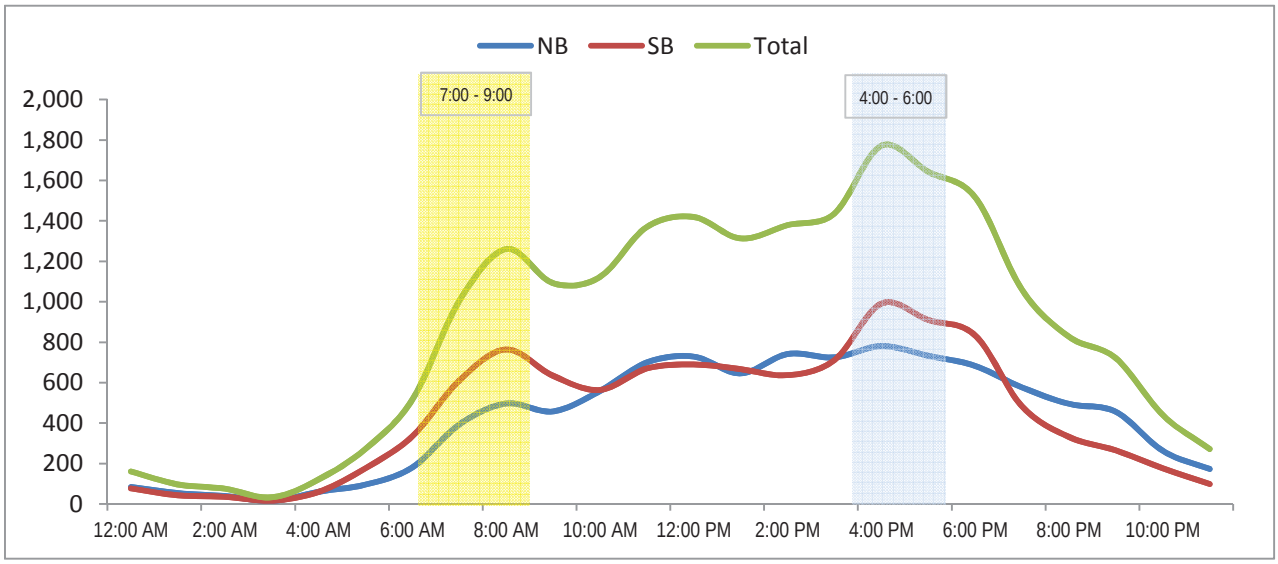
AVC Proj. No: *16-0468*

24 Hour Segment Volume			20,925

Time	Hourly Volume		
	NB	SB	Total
12:00 AM - 1:00 AM	84	77	161
1:00 AM - 2:00 AM	54	43	97
2:00 AM - 3:00 AM	40	36	76
3:00 AM - 4:00 AM	16	17	33
4:00 AM - 5:00 AM	61	60	121
5:00 AM - 6:00 AM	96	177	273
6:00 AM - 7:00 AM	181	335	516
7:00 AM - 8:00 AM	393	610	1,003
8:00 AM - 9:00 AM	497	764	1,261
9:00 AM - 10:00 AM	458	634	1,092
10:00 AM - 11:00 AM	559	564	1,123
11:00 AM - 12:00 PM	700	670	1370
Total	**3,139**	**3,987**	**7,126**

Time	Hourly Volume		
	NB	SB	Total
12:00 PM - 1:00 PM	729	690	1,419
1:00 PM - 2:00 PM	646	667	1,313
2:00 PM - 3:00 PM	742	637	1,379
3:00 PM - 4:00 PM	725	712	1,437
4:00 PM - 5:00 PM	781	991	1,772
5:00 PM - 6:00 PM	733	910	1,643
6:00 PM - 7:00 PM	683	834	1,517
7:00 PM - 8:00 PM	576	483	1,059
8:00 PM - 9:00 PM	495	332	827
9:00 PM - 10:00 PM	456	265	721
10:00 PM - 11:00 PM	263	177	440
11:00 PM - 12:00 AM	173	99	272
Total	**7,002**	**6,797**	**13,799**

24-Hour NB Volume	10,141	24-Hour SB Volume	10,784



WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Via Alta, From Westside Drive to Franklin Ridge Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	2		0					12:00	12		8				
00:15	0		0					12:15	11		10				
00:30	1		1					12:30	15		14				
00:45	0	3	2	3			6	12:45	9	47	11	43			90
01:00	1		0					13:00	5		5				
01:15	0		0					13:15	4		4				
01:30	0		0					13:30	6		9				
01:45	0	1	1	1			2	13:45	10	25	5	23			48
02:00	0		0					14:00	11		4				
02:15	0		2					14:15	15		5				
02:30	1		0					14:30	9		6				
02:45	0	1	1	3			4	14:45	12	47	9	24			71
03:00	0		0					15:00	11		12				
03:15	0		0					15:15	6		11				
03:30	0		1					15:30	6		15				
03:45	0	0	1	2			2	15:45	15	38	9	47			85
04:00	1		1					16:00	18		6				
04:15	1		0					16:15	26		11				
04:30	0		3					16:30	35		15				
04:45	2	4	4	8			12	16:45	33	112	18	50			162
05:00	1		1					17:00	41		20				
05:15	1		0					17:15	25		16				
05:30	6		1					17:30	16		11				
05:45	0	8	1	3			11	17:45	22	104	9	56			160
06:00	4		0					18:00	20		10				
06:15	5		1					18:15	18		5				
06:30	8		2					18:30	11		4				
06:45	12	29	3	6			35	18:45	6	55	9	28			83
07:00	18		11					19:00	5		5				
07:15	20		18					19:15	4		4				
07:30	16		20					19:30	6		5				
07:45	11	65	22	71			136	19:45	4	19	6	20			39
08:00	16		35					20:00	3		2				
08:15	19		28					20:15	5		1				
08:30	11		16					20:30	4		4				
08:45	8	54	18	97			151	20:45	1	13	2	9			22
09:00	9		20					21:00	5		1				
09:15	12		11					21:15	2		1				
09:30	4		9					21:30	1		2				
09:45	6	31	12	52			83	21:45	0	8	0	4			12
10:00	8		4					22:00	4		1				
10:15	9		5					22:15	2		1				
10:30	10		9					22:30	0		2				
10:45	5	32	5	23			55	22:45	1	7	0	4			11
11:00	4		4					23:00	0		0				
11:15	6		6					23:15	0		1				
11:30	6		4					23:30	1		1				
11:45	10	26	5	19			45	23:45	2	3	2	4			7
Total Vol.		254		288			**542**			478		312			**790**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	732	600			**1332**

	AM			PM		
Split %	46.9%	53.1%	**40.7%**	60.5%	39.5%	**59.3%**
Peak Hour	06:45	07:30	**07:30**	16:15	16:30	**16:30**
Volume	66	105	**167**	135	69	**203**
P.H.F.	0.83	0.75	**0.82**	0.91	0.86	**0.83**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Via Alta, From Westside Drive to Franklin Ridge Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	0		1					12:00	9		11				
00:15	1		0					12:15	12		8				
00:30	1		0					12:30	11		9				
00:45	0	2	0	1			3	12:45	8	40	4	32			72
01:00	0		1					13:00	9		5				
01:15	0		1					13:15	11		6				
01:30	0		2					13:30	16		2				
01:45	1	1	0	4			5	13:45	8	44	5	18			62
02:00	1		0					14:00	9		9				
02:15	0		0					14:15	10		4				
02:30	2		0					14:30	5		5				
02:45	0	3	1	1			4	14:45	4	28	4	22			50
03:00	0		1					15:00	9		8				
03:15	0		1					15:15	12		10				
03:30	0		0					15:30	5		11				
03:45	0	0	0	2			2	15:45	9	35	15	44			79
04:00	0		2					16:00	18		19				
04:15	1		0					16:15	28		16				
04:30	0		1					16:30	41		11				
04:45	1	2	0	3			5	16:45	44	131	17	63			194
05:00	2		0					17:00	32		10				
05:15	1		2					17:15	28		8				
05:30	3		1					17:30	21		9				
05:45	4	10	4	7			17	17:45	22	103	10	37			140
06:00	6		6					18:00	16		4				
06:15	4		9					18:15	18		8				
06:30	8		10					18:30	15		9				
06:45	9	27	5	30			57	18:45	11	60	5	26			86
07:00	11		18					19:00	5		4				
07:15	18		20					19:15	9		3				
07:30	20		26					19:30	10		2				
07:45	16	65	35	99			164	19:45	5	29	4	13			42
08:00	19		22					20:00	4		0				
08:15	11		41					20:15	6		1				
08:30	15		25					20:30	5		2				
08:45	8	53	20	108			161	20:45	4	19	1	4			23
09:00	6		19					21:00	2		0				
09:15	7		16					21:15	0		1				
09:30	9		11					21:30	5		0				
09:45	5	27	8	54			81	21:45	0	7	0	1			8
10:00	0		9					22:00	2		1				
10:15	4		5					22:15	1		2				
10:30	5		4					22:30	4		0				
10:45	1	10	6	24			34	22:45	0	7	0	3			10
11:00	6		5					23:00	1		1				
11:15	8		3					23:15	2		0				
11:30	4		5					23:30	1		0				
11:45	10	28	4	17			45	23:45	0	4	1	2			6
Total Vol.		228		350			**578**			507		265			**772**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	735	615			**1350**

	AM			PM		
Split %	39.4%	60.6%	**42.8%**	65.7%	34.3%	**57.2%**
Peak Hour	07:15	07:30	**07:30**	16:15	16:00	**16:15**
Volume	73	124	**190**	145	63	**199**
P.H.F.	0.91	0.76	**0.91**	0.89	0.83	**0.82**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Murray Ridge Rd, From Mission Center Road to I-805 NB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	30		12					12:00	150		142				
00:15	26		12					12:15	169		139				
00:30	21		10					12:30	170		159				
00:45	18	95	9	43			138	12:45	164	653	121	561			1214
01:00	7		6					13:00	140		139				
01:15	6		10					13:15	142		133				
01:30	15		6					13:30	135		132				
01:45	12	40	10	32			72	13:45	142	559	128	532			1091
02:00	12		6					14:00	155		159				
02:15	2		7					14:15	165		170				
02:30	6		3					14:30	128		185				
02:45	6	26	7	23			49	14:45	141	589	199	713			1302
03:00	7		7					15:00	126		173				
03:15	8		8					15:15	144		194				
03:30	5		10					15:30	168		221				
03:45	5	25	12	37			62	15:45	174	612	182	770			1382
04:00	5		17					16:00	184		212				
04:15	11		22					16:15	161		203				
04:30	6		40					16:30	151		272				
04:45	10	32	38	117			149	16:45	155	651	238	925			1576
05:00	17		48					17:00	168		312				
05:15	19		68					17:15	163		312				
05:30	40		112					17:30	162		242				
05:45	66	142	107	335			477	17:45	140	633	206	1072			1705
06:00	87		113					18:00	152		185				
06:15	111		122					18:15	166		182				
06:30	124		144					18:30	137		152				
06:45	144	466	176	555			1021	18:45	124	579	132	651			1230
07:00	155		161					19:00	137		124				
07:15	160		184					19:15	156		95				
07:30	184		233					19:30	109		102				
07:45	266	765	176	754			1519	19:45	114	516	93	414			930
08:00	252		183					20:00	98		73				
08:15	216		166					20:15	88		82				
08:30	208		146					20:30	95		80				
08:45	242	918	121	616			1534	20:45	92	373	65	300			673
09:00	201		142					21:00	96		61				
09:15	155		111					21:15	96		58				
09:30	114		121					21:30	88		67				
09:45	117	587	104	478			1065	21:45	75	355	51	237			592
10:00	105		110					22:00	50		34				
10:15	83		128					22:15	56		34				
10:30	97		124					22:30	47		34				
10:45	122	407	115	477			884	22:45	55	208	27	129			337
11:00	105		101					23:00	37		23				
11:15	168		139					23:15	34		24				
11:30	127		133					23:30	24		20				
11:45	156	556	171	544			1100	23:45	25	120	12	79			199
Total Vol.		4059		4011			**8070**			5848		6383			**12231**

Daily Totals

NB	SB	EB	WB	**Combined**
9907	10394			**20301**

	AM			PM		
Split %	50.3%	49.7%	**39.8%**	47.8%	52.2%	**60.2%**
Peak Hour	07:45	07:15	**07:30**	15:30	16:30	**16:30**
Volume	942	776	**1676**	687	1134	**1771**
P.H.F.	0.89	0.83	**0.95**	0.96	0.91	**0.92**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Murray Ridge Rd, From Mission Center Road to I-805 NB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	28		30					12:00	108		123				
00:15	23		7					12:15	121		116				
00:30	16		13					12:30	142		139				
00:45	13	80	14	64			144	12:45	139	510	161	539			1049
01:00	13		5					13:00	217		120				
01:15	11		9					13:15	161		123				
01:30	11		5					13:30	131		145				
01:45	14	49	5	24			73	13:45	154	663	109	497			1160
02:00	7		6					14:00	114		145				
02:15	3		6					14:15	151		176				
02:30	8		3					14:30	146		191				
02:45	3	21	7	22			43	14:45	181	592	159	671			1263
03:00	7		4					15:00	170		191				
03:15	3		3					15:15	163		195				
03:30	1		10					15:30	169		233				
03:45	6	17	13	30			47	15:45	153	655	211	830			1485
04:00	4		18					16:00	126		246				
04:15	10		17					16:15	153		220				
04:30	9		42					16:30	146		299				
04:45	21	44	37	114			158	16:45	147	572	264	1029			1601
05:00	6		57					17:00	152		312				
05:15	29		69					17:15	116		286				
05:30	35		117					17:30	131		240				
05:45	56	126	116	359			485	17:45	143	542	241	1079			1621
06:00	68		125					18:00	129		203				
06:15	112		124					18:15	112		168				
06:30	133		176					18:30	106		133				
06:45	134	447	174	599			1046	18:45	122	469	110	614			1083
07:00	156		174					19:00	106		108				
07:15	178		199					19:15	134		99				
07:30	172		216					19:30	125		79				
07:45	235	741	181	770			1511	19:45	120	485	60	346			831
08:00	257		182					20:00	104		81				
08:15	261		145					20:15	96		72				
08:30	190		143					20:30	71		56				
08:45	207	915	137	607			1522	20:45	80	351	62	271			622
09:00	158		118					21:00	93		77				
09:15	113		132					21:15	95		63				
09:30	89		123					21:30	67		67				
09:45	110	470	111	484			954	21:45	73	328	52	259			587
10:00	123		104					22:00	63		50				
10:15	93		104					22:15	64		49				
10:30	106		128					22:30	51		33				
10:45	82	404	126	462			866	22:45	51	229	32	164			393
11:00	101		116					23:00	38		26				
11:15	126		102					23:15	33		25				
11:30	113		136					23:30	40		20				
11:45	112	452	119	473			925	23:45	29	140	13	84			224
Total Vol.		3766		4008			**7774**			5536		6383			**11919**

Daily Totals

NB	SB	EB	WB	**Combined**
9302	10391			**19693**

	AM			**PM**		
Split %	48.4%	51.6%	**39.5%**	46.4%	53.6%	**60.5%**
Peak Hour	07:45	07:15	**07:30**	14:45	16:30	**16:30**
Volume	943	778	**1649**	683	1161	**1722**
P.H.F.	0.90	0.90	**0.94**	0.94	0.93	**0.93**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Murray Ridge Rd, From I-805 NB Ramps to I-805 SB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			19		22			12:00			79		91		
00:15			11		11			12:15			83		113		
00:30			13		13			12:30			79		84		
00:45			8	51	12	58	109	12:45			72	313	99	387	700
01:00			7		10			13:00			81		103		
01:15			1		6			13:15			77		79		
01:30			4		4			13:30			72		115		
01:45			5	17	8	28	45	13:45			65	295	103	400	695
02:00			6		4			14:00			89		96		
02:15			3		7			14:15			60		89		
02:30			0		6			14:30			78		107		
02:45			5	14	2	19	33	14:45			90	317	109	401	718
03:00			2		3			15:00			82		114		
03:15			2		6			15:15			81		123		
03:30			4		7			15:30			63		146		
03:45			3	11	5	21	32	15:45			64	290	143	526	816
04:00			2		6			16:00			66		168		
04:15			1		15			16:15			61		131		
04:30			1		12			16:30			50		205		
04:45			3	7	13	46	53	16:45			51	228	208	712	940
05:00			4		27			17:00			54		212		
05:15			8		30			17:15			50		206		
05:30			14		33			17:30			41		168		
05:45			17	43	43	133	176	17:45			43	188	151	737	925
06:00			17		67			18:00			64		162		
06:15			22		63			18:15			68		154		
06:30			38		55			18:30			68		151		
06:45			53	130	80	265	395	18:45			65	265	148	615	880
07:00			68		103			19:00			81		119		
07:15			70		105			19:15			64		87		
07:30			88		148			19:30			80		93		
07:45			105	331	105	461	792	19:45			53	278	87	386	664
08:00			91		116			20:00			75		71		
08:15			84		121			20:15			72		66		
08:30			80		90			20:30			58		58		
08:45			84	339	95	422	761	20:45			44	249	68	263	512
09:00			73		102			21:00			49		63		
09:15			57		85			21:15			44		53		
09:30			59		111			21:30			37		50		
09:45			63	252	100	398	650	21:45			49	179	47	213	392
10:00			57		89			22:00			31		53		
10:15			49		66			22:15			27		45		
10:30			55		60			22:30			32		28		
10:45			58	219	87	302	521	22:45			20	110	28	154	264
11:00			68		90			23:00			16		31		
11:15			55		71			23:15			14		22		
11:30			78		70			23:30			25		18		
11:45			62	263	103	334	597	23:45			13	68	17	88	156
Total Vol.				1677		2487	**4164**					2780		4882	**7662**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
			4457	7369	**11826**

	AM			**PM**		
Split %	40.3%	59.7%	**35.2%**	36.3%	63.7%	**64.8%**
Peak Hour	07:30	07:30	**07:30**	14:30	16:30	**16:30**
Volume	368	490	**858**	331	831	**1036**
P.H.F.	0.88	0.83	**0.91**	0.92	0.98	**0.97**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Murray Ridge Rd, From I-805 NB Ramps to I-805 SB Ramps

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			11		17			12:00			49		96		
00:15			14		14			12:15			62		78		
00:30			10		19			12:30			79		92		
00:45			7	42	10	60	102	12:45			73	263	74	340	603
01:00			4		10			13:00			85		91		
01:15			6		12			13:15			83		103		
01:30			5		7			13:30			71		101		
01:45			7	22	6	35	57	13:45			68	307	86	381	688
02:00			7		7			14:00			79		89		
02:15			3		5			14:15			65		69		
02:30			3		3			14:30			65		95		
02:45			5	18	4	19	37	14:45			75	284	122	375	659
03:00			2		1			15:00			70		131		
03:15			1		5			15:15			77		109		
03:30			1		3			15:30			69		138		
03:45			1	5	3	12	17	15:45			72	288	145	523	811
04:00			1		7			16:00			39		146		
04:15			1		13			16:15			51		150		
04:30			2		10			16:30			38		189		
04:45			5	9	12	42	51	16:45			47	175	155	640	815
05:00			6		29			17:00			45		231		
05:15			3		25			17:15			45		199		
05:30			15		38			17:30			40		232		
05:45			22	46	43	135	181	17:45			30	160	206	868	1028
06:00			18		76			18:00			45		168		
06:15			19		79			18:15			46		162		
06:30			35		78			18:30			50		145		
06:45			55	127	74	307	434	18:45			58	199	120	595	794
07:00			50		109			19:00			62		105		
07:15			82		125			19:15			68		77		
07:30			92		104			19:30			72		85		
07:45			84	308	131	469	777	19:45			55	257	66	333	590
08:00			107		131			20:00			56		65		
08:15			104		116			20:15			49		48		
08:30			100		112			20:30			47		68		
08:45			73	384	86	445	829	20:45			51	203	57	238	441
09:00			77		104			21:00			42		45		
09:15			61		108			21:15			57		52		
09:30			56		89			21:30			54		69		
09:45			51	245	92	393	638	21:45			37	190	57	223	413
10:00			65		78			22:00			39		56		
10:15			76		90			22:15			37		54		
10:30			51		80			22:30			33		44		
10:45			58	250	68	316	566	22:45			26	135	34	188	323
11:00			47		81			23:00			23		30		
11:15			62		80			23:15			15		27		
11:30			73		73			23:30			19		23		
11:45			59	241	70	304	545	23:45			9	66	27	107	173
Total Vol.				1697		2537	**4234**					2527		4811	**7338**

Daily Totals

NB	SB	EB	WB	Combined
		4224	7348	**11572**

	AM			PM		
Split %	40.1%	59.9%	**36.6%**	34.4%	65.6%	**63.4%**
Peak Hour	07:45	07:15	**07:45**	12:30	17:00	**17:00**
Volume	395	491	**885**	320	868	**1028**
P.H.F.	0.92	0.94	**0.93**	0.94	0.94	**0.93**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Russell Park Way, From Friars Road to Civita Boulevard

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	1		0					12:00	9		11				
00:15	0		0					12:15	15		4				
00:30	0		0					12:30	17		3				
00:45	1	2	0	0			2	12:45	10	51	3	21			72
01:00	0		0					13:00	16		5				
01:15	0		0					13:15	6		5				
01:30	1		0					13:30	6		5				
01:45	0	1	0	0			1	13:45	13	41	5	20			61
02:00	0		0					14:00	11		6				
02:15	0		0					14:15	14		4				
02:30	1		0					14:30	7		7				
02:45	1	2	0	0			2	14:45	13	45	5	22			67
03:00	0		0					15:00	16		12				
03:15	0		0					15:15	9		12				
03:30	1		0					15:30	10		31				
03:45	0	1	0	0			1	15:45	10	45	10	65			110
04:00	2		0					16:00	15		5				
04:15	1		0					16:15	9		8				
04:30	2		0					16:30	14		5				
04:45	1	6	1	1			7	16:45	15	53	3	21			74
05:00	1		1					17:00	5		5				
05:15	0		1					17:15	8		6				
05:30	2		1					17:30	11		3				
05:45	5	8	1	4			12	17:45	22	46	6	20			66
06:00	3		0					18:00	10		5				
06:15	14		1					18:15	14		2				
06:30	17		4					18:30	8		0				
06:45	15	49	4	9			58	18:45	8	40	2	9			49
07:00	17		3					19:00	11		2				
07:15	11		6					19:15	13		3				
07:30	5		5					19:30	5		2				
07:45	9	42	6	20			62	19:45	9	38	1	8			46
08:00	4		7					20:00	5		6				
08:15	5		5					20:15	6		1				
08:30	8		5					20:30	13		2				
08:45	12	29	3	20			49	20:45	7	31	2	11			42
09:00	7		1					21:00	9		0				
09:15	7		5					21:15	3		1				
09:30	6		5					21:30	1		1				
09:45	4	24	4	15			39	21:45	4	17	0	2			19
10:00	1		4					22:00	6		3				
10:15	6		4					22:15	5		0				
10:30	5		4					22:30	3		0				
10:45	9	21	2	14			35	22:45	4	18	0	3			21
11:00	5		3					23:00	5		1				
11:15	19		5					23:15	4		1				
11:30	8		7					23:30	2		0				
11:45	21	53	7	22			75	23:45	2	13	0	2			15
Total Vol.		238		105			**343**			438		204			**642**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	676	309			**985**

	AM			PM		
Split %	69.4%	30.6%	**34.8%**	68.2%	31.8%	**65.2%**
Peak Hour	06:15	11:15	**11:15**	12:15	15:00	**15:00**
Volume	63	30	**87**	58	65	**110**
P.H.F.	0.93	0.68	**0.78**	0.76	0.52	**0.67**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Russell Park Way, From Friars Road to Civita Boulevard

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	6		0					12:00	6		11				
00:15	0		0					12:15	11		3				
00:30	0		0					12:30	10		12				
00:45	1	7	0	0			7	12:45	12	39	7	33			72
01:00	3		0					13:00	8		4				
01:15	0		0					13:15	7		6				
01:30	0		0					13:30	6		5				
01:45	1	4	0	0			4	13:45	6	27	7	22			49
02:00	0		0					14:00	18		11				
02:15	0		0					14:15	13		1				
02:30	0		2					14:30	7		4				
02:45	0	0	0	2			2	14:45	6	44	7	23			67
03:00	0		0					15:00	7		14				
03:15	0		0					15:15	19		16				
03:30	0		0					15:30	19		24				
03:45	0	0	0	0				15:45	7	52	15	69			121
04:00	1		0					16:00	12		3				
04:15	0		0					16:15	12		9				
04:30	0		0					16:30	6		6				
04:45	0	1	1	1			2	16:45	10	40	2	20			60
05:00	0		0					17:00	12		6				
05:15	1		0					17:15	8		7				
05:30	0		2					17:30	16		4				
05:45	2	3	1	3			6	17:45	17	53	2	19			72
06:00	5		2					18:00	9		11				
06:15	11		2					18:15	8		1				
06:30	16		5					18:30	11		4				
06:45	15	47	4	13			60	18:45	15	43	1	17			60
07:00	19		4					19:00	8		1				
07:15	13		12					19:15	6		1				
07:30	3		19					19:30	9		1				
07:45	7	42	6	41			83	19:45	6	29	1	4			33
08:00	7		5					20:00	8		0				
08:15	7		6					20:15	8		1				
08:30	11		6					20:30	5		1				
08:45	7	32	2	19			51	20:45	4	25	5	7			32
09:00	8		5					21:00	4		0				
09:15	8		11					21:15	10		0				
09:30	12		2					21:30	3		6				
09:45	14	42	3	21			63	21:45	9	26	1	7			33
10:00	7		7					22:00	7		0				
10:15	11		15					22:15	4		0				
10:30	6		4					22:30	3		0				
10:45	9	33	4	30			63	22:45	3	17	0	0			17
11:00	14		4					23:00	2		0				
11:15	20		12					23:15	0		1				
11:30	13		8					23:30	1		0				
11:45	15	62	9	33			95	23:45	0	3	1	2			5
Total Vol.		273		163			**436**			398		223			**621**

Daily Totals

NB	SB	EB	WB	**Combined**
671	386			**1057**

	AM			**PM**		
Split %	62.6%	37.4%	**41.2%**	64.1%	35.9%	**58.8%**
Peak Hour	06:30	07:15	**11:00**	15:15	15:00	**15:00**
Volume	63	42	**95**	57	69	**121**
P.H.F.	0.83	0.55	**0.74**	0.68	0.72	**0.70**

Prepared by NDS/ATD

VOLUME

Camino Del Este Bet. Rio san Diego Dr & Camino De La Riena

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_104

DAILY TOTALS	NB	SB	EB	WB	Total
	3,133	5,247	0	0	8,380

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	11		12						23		12:00	71		107						178	
00:15	10		3						13		12:15	79		116						195	
00:30	8		4						12		12:30	76		105						181	
00:45	5	34	4	23					9	57	12:45	70	296	96	424					166	720
01:00	5		1						6		13:00	64		111						175	
01:15	1		2						3		13:15	74		85						159	
01:30	3		1						4		13:30	66		91						157	
01:45	1	10	0	4					1	14	13:45	71	275	88	375					159	650
02:00	2		2						4		14:00	62		78						140	
02:15	0		1						1		14:15	62		82						144	
02:30	1		5						6		14:30	43		91						134	
02:45	0	3	2	10					2	13	14:45	60	227	82	333					142	560
03:00	3		2						5		15:00	52		86						138	
03:15	1		0						1		15:15	54		79						133	
03:30	1		1						2		15:30	54		67						121	
03:45	0	5	4	7					4	12	15:45	64	224	100	332					164	556
04:00	1		6						7		16:00	56		101						157	
04:15	1		2						3		16:15	49		79						128	
04:30	2		8						10		16:30	56		119						175	
04:45	0	4	8	24					8	28	16:45	68	229	108	407					176	636
05:00	0		11						11		17:00	69		139						208	
05:15	3		13						16		17:15	60		135						195	
05:30	1		16						17		17:30	72		127						199	
05:45	5	9	15	55					20	64	17:45	68	269	95	496					163	765
06:00	8		32						40		18:00	62		102						164	
06:15	2		29						31		18:15	67		109						176	
06:30	8		35						43		18:30	71		83						154	
06:45	10	28	34	130					44	158	18:45	61	261	102	396					163	657
07:00	6		55						61		19:00	58		88						146	
07:15	6		57						63		19:15	63		75						138	
07:30	22		76						98		19:30	55		73						128	
07:45	16	50	70	258					86	308	19:45	63	239	84	320					147	559
08:00	19		62						81		20:00	45		73						118	
08:15	24		74						98		20:15	54		67						121	
08:30	16		71						87		20:30	42		55						97	
08:45	19	78	58	265					77	343	20:45	39	180	42	237					81	417
09:00	25		59						84		21:00	35		43						78	
09:15	27		66						93		21:15	38		27						65	
09:30	43		58						101		21:30	21		20						41	
09:45	28	123	56	239					84	362	21:45	25	119	23	113					48	232
10:00	35		59						94		22:00	15		23						38	
10:15	40		69						109		22:15	13		30						43	
10:30	39		88						127		22:30	10		11						21	
10:45	50	164	89	305					139	469	22:45	19	57	13	77					32	134
11:00	50		80						130		23:00	16		19						35	
11:15	47		85						132		23:15	12		8						20	
11:30	54		98						152		23:30	13		15						28	
11:45	53	204	105	368					158	572	23:45	4	45	7	49					11	94
TOTALS		712		1688						2400	TOTALS		2421		3559						5980
SPLIT %		29.7%		70.3%						28.6%	SPLIT %		40.5%		59.5%						71.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	3,133	5,247	0	0	8,380

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:00	16:45			16:45
AM Pk Volume	279	433			712	PM Pk Volume	296	509			778
Pk Hr Factor	0.883	0.933			0.913	Pk Hr Factor	0.937	0.915			0.935
7 - 9 Volume	128	523	0	0	651	4 - 6 Volume	498	903	0	0	1401
7 - 9 Peak Hour	07:30	07:30			07:30	4 - 6 Peak Hour	16:45	16:45			16:45
7 - 9 Pk Volume	81	282	0	0	363	4 - 6 Pk Volume	269	509	0	0	778
Pk Hr Factor	0.844	0.928	0.000	0.000	0.926	Pk Hr Factor	0.934	0.915	0.000	0.000	0.935

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Prepared by NDS/ATD

VOLUME

Camino Del Este Bet. Rio san Diego Dr & Camino De La Riena

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_104

DAILY TOTALS	NB	SB	EB	WB	Total
	3,120	5,397	0	0	8,517

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	3		5						8		12:00	60		119						179	
00:15	2		5						7		12:15	64		102						166	
00:30	1		2						3		12:30	79		97						176	
00:45	3	9	6	18					9	27	12:45	80	283	112	430					192	713
01:00	11		2						13		13:00	71		97						168	
01:15	6		5						11		13:15	66		105						171	
01:30	3		3						6		13:30	57		107						164	
01:45	1	21	3	13					4	34	13:45	61	255	91	400					152	655
02:00	5		5						10		14:00	58		94						152	
02:15	3		4						7		14:15	63		86						149	
02:30	1		4						5		14:30	49		76						125	
02:45	3	12	2	15					5	27	14:45	55	225	65	321					120	546
03:00	0		0						0		15:00	52		82						134	
03:15	1		0						1		15:15	56		71						127	
03:30	0		1						1		15:30	51		95						146	
03:45	2	3	3	4					5	7	15:45	64	223	103	351					167	574
04:00	3		7						10		16:00	50		107						157	
04:15	0		6						6		16:15	69		104						173	
04:30	3		4						7		16:30	79		105						184	
04:45	4	10	9	26					13	36	16:45	55	253	136	452					191	705
05:00	1		9						10		17:00	70		122						192	
05:15	1		24						25		17:15	60		139						199	
05:30	1		14						15		17:30	78		153						231	
05:45	5	8	24	71					29	79	17:45	73	281	119	533					192	814
06:00	5		26						31		18:00	50		95						145	
06:15	10		38						48		18:15	63		121						184	
06:30	1		47						48		18:30	56		81						137	
06:45	9	25	33	144					42	169	18:45	64	233	86	383					150	616
07:00	5		54						59		19:00	68		90						158	
07:15	11		44						55		19:15	60		72						132	
07:30	18		55						73		19:30	57		77						134	
07:45	15	49	54	207					69	256	19:45	38	223	76	315					114	538
08:00	13		65						78		20:00	52		71						123	
08:15	12		60						72		20:15	51		61						112	
08:30	22		65						87		20:30	36		54						90	
08:45	26	73	63	253					89	326	20:45	40	179	54	240					94	419
09:00	22		55						77		21:00	44		42						86	
09:15	24		61						85		21:15	27		31						58	
09:30	41		80						121		21:30	29		35						64	
09:45	25	112	43	239					68	351	21:45	30	130	27	135					57	265
10:00	41		55						96		22:00	27		24						51	
10:15	29		72						101		22:15	17		29						46	
10:30	38		79						117		22:30	12		20						32	
10:45	48	156	80	286					128	442	22:45	20	76	20	93					40	169
11:00	42		99						141		23:00	17		19						36	
11:15	57		87						144		23:15	17		23						40	
11:30	62		104						166		23:30	14		20						34	
11:45	61	222	103	393					164	615	23:45	11	59	13	75					24	134
TOTALS		700		1669						2369	TOTALS		2420		3728						6148
SPLIT %		29.5%		70.5%						27.8%	SPLIT %		39.4%		60.6%						72.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	3,120	5,397	0	0	8,517

AM Peak Hour	11:45	11:30			11:45	PM Peak Hour	12:30	16:45			17:00
AM Pk Volume	264	428			685	PM Pk Volume	296	550			814
Pk Hr Factor	0.835	0.899			0.957	Pk Hr Factor	0.925	0.899			0.881
7 - 9 Volume	122	460	0	0	582	4 - 6 Volume	534	985	0	0	1519
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	17:00	16:45			17:00
7 - 9 Pk Volume	73	253	0	0	326	4 - 6 Pk Volume	281	550	0	0	814
Pk Hr Factor	0.702	0.973	0.000	0.000	0.916	Pk Hr Factor	0.901	0.899	0.000	0.000	0.881

Prepared by NDS/ATD

VOLUME

Camino Del Este Bet. Camino De La Reina & Camino Del Rio North

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_105

DAILY TOTALS	NB	SB	EB	WB	Total
	4,259	5,413	0	0	9,672

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	21		19						40		12:00	94		104						198	
00:15	11		6						17		12:15	97		109						206	
00:30	13		9						22		12:30	88		100						188	
00:45	8	53	5	39					13	92	12:45	124	403	96	409					220	812
01:00	11		4						15		13:00	78		96						174	
01:15	2		6						8		13:15	93		84						177	
01:30	4		2						6		13:30	62		85						147	
01:45	2	19	5	17					7	36	13:45	83	316	100	365					183	681
02:00	1		4						5		14:00	75		86						161	
02:15	2		4						6		14:15	81		98						179	
02:30	1		2						3		14:30	77		118						195	
02:45	0	4	6	16					6	20	14:45	70	303	93	395					163	698
03:00	4		2						6		15:00	80		100						180	
03:15	1		3						4		15:15	62		84						146	
03:30	1		2						3		15:30	67		80						147	
03:45	1	7	6	13					7	20	15:45	64	273	90	354					154	627
04:00	2		7						9		16:00	70		99						169	
04:15	0		5						5		16:15	68		89						157	
04:30	3		6						9		16:30	86		114						200	
04:45	1	6	8	26					9	32	16:45	70	294	112	414					182	708
05:00	0		8						8		17:00	79		139						218	
05:15	4		16						20		17:15	77		136						213	
05:30	5		9						14		17:30	78		128						206	
05:45	14	23	13	46					27	69	17:45	75	309	107	510					182	819
06:00	8		27						35		18:00	62		114						176	
06:15	3		21						24		18:15	73		102						175	
06:30	7		30						37		18:30	72		80						152	
06:45	18	36	32	110					50	146	18:45	63	270	101	397					164	667
07:00	11		50						61		19:00	66		96						162	
07:15	15		47						62		19:15	73		76						149	
07:30	20		48						68		19:30	91		109						200	
07:45	42	88	53	198					95	286	19:45	64	294	84	365					148	659
08:00	35		44						79		20:00	69		84						153	
08:15	31		62						93		20:15	62		71						133	
08:30	38		65						103		20:30	54		57						111	
08:45	47	151	47	218					94	369	20:45	49	234	71	283					120	517
09:00	36		53						89		21:00	56		71						127	
09:15	45		59						104		21:15	42		50						92	
09:30	57		40						97		21:30	42		46						88	
09:45	40	178	61	213					101	391	21:45	43	183	31	198					74	381
10:00	73		60						133		22:00	40		40						80	
10:15	58		75						133		22:15	36		38						74	
10:30	57		78						135		22:30	26		27						53	
10:45	77	265	88	301					165	566	22:45	34	136	18	123					52	259
11:00	75		75						150		23:00	32		23						55	
11:15	80		92						172		23:15	27		24						51	
11:30	84		84						168		23:30	13		17						30	
11:45	75	314	77	328					152	642	23:45	28	100	11	75					39	175
TOTALS		1144		1525						2669	TOTALS		3115		3888						7003
SPLIT %		42.9%		57.1%						27.6%	SPLIT %		44.5%		55.5%						72.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	4,259	5,413	0	0	9,672

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:00	16:45			16:45
AM Pk Volume	354	390			744	PM Pk Volume	403	515			819
Pk Hr Factor	0.912	0.894			0.903	Pk Hr Factor	0.813	0.926			0.939
7 - 9 Volume	239	416	0	0	655	4 - 6 Volume	603	924	0	0	1527
7 - 9 Peak Hour	08:00	07:45			07:45	4 - 6 Peak Hour	16:30	16:45			16:45
7 - 9 Pk Volume	151	224	0	0	370	4 - 6 Pk Volume	312	515	0	0	819
Pk Hr Factor	0.803	0.862	0.000	0.000	0.898	Pk Hr Factor	0.907	0.926	0.000	0.000	0.939

Prepared by NDS/ATD

VOLUME

Camino Del Este Bet. Camino De La Reina & Camino Del Rio North

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_105

DAILY TOTALS	NB	SB	EB	WB	Total
	4,550	5,536	0	0	10,086

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	11		8						19		12:00	97		95						192	
00:15	18		12						30		12:15	103		114						217	
00:30	14		8						22		12:30	104		92						196	
00:45	8	51	6	34					14	85	12:45	106	410	111	412					217	822
01:00	12		3						15		13:00	107		113						220	
01:15	7		9						16		13:15	98		104						202	
01:30	2		3						5		13:30	75		104						179	
01:45	4	25	2	17					6	42	13:45	69	349	106	427					175	776
02:00	2		9						11		14:00	84		113						197	
02:15	3		1						4		14:15	79		97						176	
02:30	2		5						7		14:30	83		85						168	
02:45	2	9	2	17					4	26	14:45	67	313	87	382					154	695
03:00	0		1						1		15:00	70		99						169	
03:15	3		3						6		15:15	89		78						167	
03:30	1		2						3		15:30	90		92						182	
03:45	2	6	2	8					4	14	15:45	86	335	102	371					188	706
04:00	2		8						10		16:00	85		105						190	
04:15	0		5						5		16:15	81		118						199	
04:30	5		4						9		16:30	72		120						192	
04:45	2	9	5	22					7	31	16:45	62	300	116	459					178	759
05:00	1		7						8		17:00	72		133						205	
05:15	3		14						17		17:15	79		132						211	
05:30	5		13						18		17:30	78		121						199	
05:45	8	17	17	51					25	68	17:45	83	312	114	500					197	812
06:00	7		25						32		18:00	88		104						192	
06:15	5		35						40		18:15	73		92						165	
06:30	8		38						46		18:30	97		91						188	
06:45	15	35	30	128					45	163	18:45	75	333	100	387					175	720
07:00	22		43						65		19:00	79		97						176	
07:15	24		50						74		19:15	80		81						161	
07:30	30		44						74		19:30	68		90						158	
07:45	29	105	55	192					84	297	19:45	70	297	94	362					164	659
08:00	26		33						59		20:00	59		82						141	
08:15	31		45						76		20:15	46		86						132	
08:30	49		50						99		20:30	46		73						119	
08:45	55	161	59	187					114	348	20:45	57	208	94	335					151	543
09:00	54		38						92		21:00	49		87						136	
09:15	66		45						111		21:15	41		52						93	
09:30	64		61						125		21:30	44		55						99	
09:45	47	231	58	202					105	433	21:45	47	181	43	237					90	418
10:00	55		41						96		22:00	41		49						90	
10:15	58		70						128		22:15	42		41						83	
10:30	61		64						125		22:30	28		27						55	
10:45	80	254	86	261					166	515	22:45	30	141	24	141					54	282
11:00	80		59						139		23:00	36		18						54	
11:15	85		71						156		23:15	29		28						57	
11:30	91		101						192		23:30	18		22						40	
11:45	109	365	83	314					192	679	23:45	20	103	22	90					42	193
TOTALS		1268		1433						2701	TOTALS		3282		4103						7385
SPLIT %		46.9%		53.1%						26.8%	SPLIT %		44.4%		55.6%						73.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	4,550	5,536	0	0	10,086

AM Peak Hour	11:45	11:30			11:45	PM Peak Hour	12:15	16:45			12:15
AM Pk Volume	413	393			797	PM Pk Volume	420	502			850
Pk Hr Factor	0.947	0.862			0.918	Pk Hr Factor	0.981	0.944			0.966
7 - 9 Volume	266	379	0	0	645	4 - 6 Volume	612	959	0	0	1571
7 - 9 Peak Hour	08:00	07:00			08:00	4 - 6 Peak Hour	17:00	16:45			17:00
7 - 9 Pk Volume	161	192	0	0	348	4 - 6 Pk Volume	312	502	0	0	812
Pk Hr Factor	0.732	0.873	0.000	0.000	0.763	Pk Hr Factor	0.940	0.944	0.000	0.000	0.962

Segments 107 and 108 pertain to future roadways.

Prepared by NDS/ATD

VOLUME

Qualcomm Wy Bet. Friars Rd WB Ramps & Friars Rd EB Ramps

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_108

DAILY TOTALS	NB	SB	EB	WB	Total
	5,486	3,740	0	0	9,226

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	9		3						12		12:00	122		67						189	
00:15	4		5						9		12:15	120		68						188	
00:30	5		11						16		12:30	109		85						194	
00:45	2	20	0	19					2	39	12:45	123	474	77	297					200	771
01:00	4		9						13		13:00	81		64						145	
01:15	8		1						9		13:15	85		58						143	
01:30	4		3						7		13:30	94		66						160	
01:45	2	18	0	13					2	31	13:45	102	362	61	249					163	611
02:00	0		2						2		14:00	95		87						182	
02:15	5		1						6		14:15	82		73						155	
02:30	4		2						6		14:30	91		49						140	
02:45	2	11	1	6					3	17	14:45	93	361	89	298					182	659
03:00	1		0						1		15:00	96		71						167	
03:15	4		5						9		15:15	78		57						135	
03:30	3		2						5		15:30	77		81						158	
03:45	2	10	1	8					3	18	15:45	76	327	66	275					142	602
04:00	4		0						4		16:00	104		90						194	
04:15	4		5						9		16:15	93		82						175	
04:30	8		1						9		16:30	125		88						213	
04:45	10	26	8	14					18	40	16:45	113	435	65	325					178	760
05:00	10		5						15		17:00	142		93						235	
05:15	11		10						21		17:15	105		104						209	
05:30	17		13						30		17:30	122		82						204	
05:45	30	68	9	37					39	105	17:45	89	458	58	337					147	795
06:00	31		21						52		18:00	88		75						163	
06:15	63		26						89		18:15	63		57						120	
06:30	66		31						97		18:30	66		67						133	
06:45	84	244	21	99					105	343	18:45	67	284	48	247					115	531
07:00	107		27						134		19:00	52		41						93	
07:15	117		41						158		19:15	53		42						95	
07:30	134		54						188		19:30	47		39						86	
07:45	114	472	53	175					167	647	19:45	46	198	27	149					73	347
08:00	114		40						154		20:00	39		39						78	
08:15	102		46						148		20:15	31		25						56	
08:30	108		64						172		20:30	32		27						59	
08:45	104	428	51	201					155	629	20:45	34	136	27	118					61	254
09:00	88		53						141		21:00	28		15						43	
09:15	69		59						128		21:15	27		14						41	
09:30	69		58						127		21:30	20		9						29	
09:45	66	292	64	234					130	526	21:45	13	88	16	54					29	142
10:00	72		41						113		22:00	19		17						36	
10:15	60		62						122		22:15	16		9						25	
10:30	71		52						123		22:30	15		12						27	
10:45	71	274	59	214					130	488	22:45	16	66	5	43					21	109
11:00	90		70						160		23:00	9		9						18	
11:15	94		63						157		23:15	9		9						18	
11:30	114		96						210		23:30	7		4						11	
11:45	99	397	74	303					173	700	23:45	12	37	3	25					15	62
TOTALS		2260		1323						3583	TOTALS		3226		2417						5643
SPLIT %		63.1%		36.9%						38.8%	SPLIT %		57.2%		42.8%						61.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,486	3,740	0	0	9,226

AM Peak Hour	07:15	11:30			11:30	PM Peak Hour	16:30	16:30			16:30
AM Pk Volume	479	305			760	PM Pk Volume	485	350			835
Pk Hr Factor	0.894	0.794			0.905	Pk Hr Factor	0.854	0.841			0.888
7 - 9 Volume	900	376	0	0	1276	4 - 6 Volume	893	662	0	0	1555
7 - 9 Peak Hour	07:15	07:45			07:15	4 - 6 Peak Hour	16:30	16:30			16:30
7 - 9 Pk Volume	479	203	0	0	667	4 - 6 Pk Volume	485	350	0	0	835
Pk Hr Factor	0.894	0.793	0.000	0.000	0.887	Pk Hr Factor	0.854	0.841	0.000	0.000	0.888

Prepared by NDS/ATD

VOLUME

Qualcomm Wy Bet. Friars Rd WB Ramps & Friars Rd EB Ramps

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_108

DAILY TOTALS	NB	SB	EB	WB	Total
	5,475	3,897	0	0	9,372

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	7		1						8		12:00	102		66						168	
00:15	10		1						11		12:15	106		77						183	
00:30	6		8						14		12:30	102		100						202	
00:45	8	31	3	13					11	44	12:45	103	413	61	304					164	717
01:00	7		0						7		13:00	109		52						161	
01:15	4		4						8		13:15	103		59						162	
01:30	4		1						5		13:30	100		73						173	
01:45	8	23	4	9					12	32	13:45	90	402	69	253					159	655
02:00	0		3						3		14:00	80		79						159	
02:15	6		2						8		14:15	105		44						149	
02:30	6		2						8		14:30	78		55						133	
02:45	3	15	1	8					4	23	14:45	78	341	76	254					154	595
03:00	1		1						2		15:00	81		82						163	
03:15	1		1						2		15:15	93		80						173	
03:30	0		0						0		15:30	92		88						180	
03:45	1	3	2	4					3	7	15:45	109	375	69	319					178	694
04:00	3		2						5		16:00	110		83						193	
04:15	5		1						6		16:15	83		82						165	
04:30	1		2						3		16:30	103		91						194	
04:45	13	22	4	9					17	31	16:45	113	409	90	346					203	755
05:00	8		5						13		17:00	129		84						213	
05:15	16		7						23		17:15	92		93						185	
05:30	25		12						37		17:30	111		79						190	
05:45	26	75	15	39					41	114	17:45	83	415	76	332					159	747
06:00	47		29						76		18:00	76		79						155	
06:15	68		19						87		18:15	63		78						141	
06:30	64		26						90		18:30	64		64						128	
06:45	102	281	33	107					135	388	18:45	67	270	49	270					116	540
07:00	87		45						132		19:00	53		47						100	
07:15	87		37						124		19:15	63		50						113	
07:30	123		48						171		19:30	40		46						86	
07:45	124	421	63	193					187	614	19:45	39	195	31	174					70	369
08:00	140		60						200		20:00	48		30						78	
08:15	113		47						160		20:15	30		40						70	
08:30	119		61						180		20:30	27		23						50	
08:45	108	480	53	221					161	701	20:45	28	133	25	118					53	251
09:00	101		46						147		21:00	21		23						44	
09:15	90		45						135		21:15	24		16						40	
09:30	69		51						120		21:30	16		22						38	
09:45	77	337	42	184					119	521	21:45	20	81	21	82					41	163
10:00	68		63						131		22:00	21		21						42	
10:15	62		55						117		22:15	14		9						23	
10:30	72		57						129		22:30	7		5						12	
10:45	76	278	81	256					157	534	22:45	9	51	8	43					17	94
11:00	85		81						166		23:00	12		8						20	
11:15	86		69						155		23:15	5		6						11	
11:30	110		92						202		23:30	7		6						13	
11:45	112	393	88	330					200	723	23:45	7	31	9	29					16	60
TOTALS		2359		1373						3732	TOTALS		3116		2524						5640
SPLIT %		63.2%		36.8%						39.8%	SPLIT %		55.2%		44.8%						60.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,475	3,897	0	0	9,372

AM Peak Hour	07:30	11:45			11:30	PM Peak Hour	16:45	16:30			16:30
AM Pk Volume	500	331			753	PM Pk Volume	445	358			795
Pk Hr Factor	0.893	0.828			0.932	Pk Hr Factor	0.862	0.962			0.933
7 - 9 Volume	901	414	0	0	1315	4 - 6 Volume	824	678	0	0	1502
7 - 9 Peak Hour	07:30	07:45			07:45	4 - 6 Peak Hour	16:45	16:30			16:30
7 - 9 Pk Volume	500	231	0	0	727	4 - 6 Pk Volume	445	358	0	0	795
Pk Hr Factor	0.893	0.917	0.000	0.000	0.909	Pk Hr Factor	0.862	0.962	0.000	0.000	0.933

Segment ID: 110

Qualcomm Way from Friars Rd EB Ramps to Rio San Diego Dr

AM Peak Period Heavy Vehicle Percentage: 5.95%

Noon Peak Period Heavy Vehicle Percentage: 4.95%

PM Period Heavy Vehicle Percentage: 3.85%

Average Daily Heavy Vehicle Percentage: 4.00%

Prepared by National Data & Surveying Services

110

CLASSIFICATION

Qualcomm Wy Bet. Friars Rd EB Ramps & Rio San Diego Dr

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_109

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	69	6	1	1	0	0	0	0	0	0	0	0	77
01:00	0	16	0	0	1	0	0	1	0	0	0	0	0	18
02:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
03:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
04:00	0	12	1	0	1	0	0	1	0	0	0	0	0	15
05:00	0	32	0	0	2	0	0	0	0	0	0	0	0	34
06:00	1	193	15	1	9	0	0	5	0	0	0	0	0	224
07:00	2	398	37	1	23	2	0	3	0	0	0	0	0	466
08:00	1	554	55	0	21	0	0	2	0	0	0	0	0	633
09:00	0	513	61	1	31	2	1	1	0	0	0	0	0	610
10:00	3	488	55	3	27	1	0	1	1	0	0	0	0	579
11:00	4	599	57	2	40	1	0	1	1	0	0	0	0	705
12:00 PM	1	782	86	2	37	3	0	3	0	0	0	0	0	914
13:00	1	685	80	1	34	2	0	0	0	0	0	0	0	803
14:00	2	602	69	0	32	0	0	0	0	0	0	0	0	705
15:00	0	572	52	1	31	1	0	0	0	0	0	0	0	657
16:00	3	833	64	1	41	2	1	1	1	0	0	0	0	947
17:00	1	795	77	0	33	1	0	0	0	0	0	0	0	907
18:00	3	572	43	0	20	0	0	0	1	0	0	0	0	639
19:00	0	391	26	0	15	0	0	0	0	0	0	0	0	432
20:00	0	291	27	0	13	1	0	0	0	0	0	0	0	332
21:00	2	158	12	0	1	0	0	0	0	0	0	0	0	173
22:00	0	73	10	0	3	0	0	0	0	0	0	0	0	86
23:00	0	39	4	0	1	0	0	0	0	0	0	0	0	44
Totals	24	8679	839	14	417	16	2	19	4					10014
% of Totals	0%	87%	8%	0%	4%	0%	0%	0%	0%					100%

AM Volumes	11	2886	289	9	156	6	1	15	2	0	0	0	0	3375
% AM	0%	29%	3%	0%	2%	0%	0%	0%	0%					34%
AM Peak Hour	11:00	11:00	09:00	10:00	11:00	07:00	09:00	06:00	10:00					11:00
Volume	4	599	61	3	40	2	1	5	1					705
PM Volumes	13	5793	550	5	261	10	1	4	2	0	0	0	0	6639
% PM	0%	58%	5%	0%	3%	0%	0%	0%	0%					66%
PM Peak Hour	16:00	16:00	12:00	12:00	16:00	12:00	16:00	12:00	16:00					16:00
Volume	3	833	86	2	41	3	1	3	1					947

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	1099	⟷	11%	1717	⟷	17%	1854	⟷	19%	5344	⟷	53%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 >=4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

110

Prepared by NDS/ATD

VOLUME

Qualcomm Wy Bet. Friars Rd EB Ramps & Rio San Diego Dr

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_109

DAILY TOTALS	NB	SB	EB	WB	Total
	5,950	4,064	0	0	10,014

AM Period	NB		SB		EB		WB		TOTAL	
00:00	6		7						13	
00:15	14		12						26	
00:30	14		12						26	
00:45	8	42	4	35					12	77
01:00	3		7						10	
01:15	0		2						2	
01:30	1		3						4	
01:45	1	5	1	13					2	18
02:00	0		1						1	
02:15	0		1						1	
02:30	0		2						2	
02:45	0		2	6					2	6
03:00	2		0						2	
03:15	0		4						4	
03:30	0		2						2	
03:45	0	2	0	6					0	8
04:00	0		0						0	
04:15	0		2						2	
04:30	1		1						2	
04:45	1	2	10	13					11	15
05:00	0		3						3	
05:15	2		6						8	
05:30	3		7						10	
05:45	5	10	8	24					13	34
06:00	17		21						38	
06:15	25		13						38	
06:30	45		27						72	
06:45	60	147	16	77					76	224
07:00	46		24						70	
07:15	75		36						111	
07:30	68		56						124	
07:45	110	299	51	167					161	466
08:00	130		33						163	
08:15	121		44						165	
08:30	77		65						142	
08:45	120	448	43	185					163	633
09:00	125		42						167	
09:15	96		63						159	
09:30	88		49						137	
09:45	81	390	66	220					147	610
10:00	90		55						145	
10:15	85		63						148	
10:30	82		52						134	
10:45	82	339	70	240					152	579
11:00	81		64						145	
11:15	104		73						177	
11:30	91		91						182	
11:45	123	399	78	306					201	705
TOTALS		2083		1292						3375
SPLIT %		61.7%		38.3%						33.7%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	126		66						192	
12:15	185		80						265	
12:30	140		86						226	
12:45	142	593	89	321					231	914
13:00	140		72						212	
13:15	138		70						208	
13:30	124		80						204	
13:45	100	502	79	301					179	803
14:00	104		89						193	
14:15	152		81						233	
14:30	80		62						142	
14:45	63	399	74	306					137	705
15:00	74		77						151	
15:15	66		66						132	
15:30	97		91						188	
15:45	107	344	79	313					186	657
16:00	160		100						260	
16:15	110		102						212	
16:30	148		113						261	
16:45	128	546	86	401					214	947
17:00	136		95						231	
17:15	114		126						240	
17:30	133		91						224	
17:45	131	514	81	393					212	907
18:00	144		96						240	
18:15	94		66						160	
18:30	58		75						133	
18:45	50	346	56	293					106	639
19:00	65		48						113	
19:15	61		52						113	
19:30	65		47						112	
19:45	62	253	32	179					94	432
20:00	58		35						93	
20:15	59		34						93	
20:30	41		32						73	
20:45	39	197	34	135					73	332
21:00	29		14						43	
21:15	26		22						48	
21:30	24		18						42	
21:45	27	106	13	67					40	173
22:00	24		16						40	
22:15	14		11						25	
22:30	2		8						10	
22:45	3	43	8	43					11	86
23:00	6		7						13	
23:15	10		7						17	
23:30	6		4						10	
23:45	2	24	2	20					4	44
TOTALS		3867		2772						6639
SPLIT %		58.2%		41.8%						66.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,950	4,064	0	0	10,014

AM Peak Hour	11:45	11:30			11:45	PM Peak Hour	12:15	16:30			16:00
AM Pk Volume	574	315			884	PM Pk Volume	607	420			947
Pk Hr Factor	0.776	0.865			0.834	Pk Hr Factor	0.820	0.833			0.907
7 - 9 Volume	747	352	0	0	1099	4 - 6 Volume	1060	794	0	0	1854
7 - 9 Peak Hour	08:00	07:45			08:00	4 - 6 Peak Hour	16:00	16:30			16:00
7 - 9 Pk Volume	448	193	0	0	633	4 - 6 Pk Volume	546	420	0	0	947
Pk Hr Factor	0.862	0.742	0.000	0.000	0.959	Pk Hr Factor	0.853	0.833	0.000	0.000	0.907

Prepared by National Data & Surveying Services

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CLASSIFICATION

Qualcomm Wy Bet. Friars Rd EB Ramps & Rio San Diego Dr

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_109

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	32	4	0	0	0	0	0	0	0	0	0	0	36
01:00	0	17	2	0	0	0	0	0	0	0	0	0	0	19
02:00	0	12	0	0	0	0	0	0	0	0	0	0	0	12
03:00	0	4	0	0	0	0	0	0	1	0	0	0	0	5
04:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10
05:00	0	43	4	0	0	0	0	0	1	0	0	0	0	48
06:00	0	199	18	1	16	0	0	0	2	0	0	0	0	236
07:00	2	435	40	0	25	1	0	0	3	0	0	0	0	506
08:00	2	571	58	2	29	4	0	1	0	0	0	0	0	667
09:00	2	503	53	1	22	2	0	1	0	0	0	0	0	584
10:00	0	542	51	5	25	2	0	1	1	0	0	0	0	627
11:00	4	686	63	3	36	3	0	0	1	0	0	0	0	796
12:00 PM	3	799	84	1	35	0	0	1	1	0	0	0	0	924
13:00	2	668	48	2	34	1	0	1	0	0	0	0	0	756
14:00	0	614	55	1	22	2	0	0	1	0	0	0	0	695
15:00	2	657	64	1	29	0	0	0	0	0	0	0	0	753
16:00	4	890	63	0	35	0	0	1	0	0	0	0	0	993
17:00	1	858	74	0	38	0	0	0	1	0	0	0	0	972
18:00	3	579	48	0	22	0	0	0	0	0	0	0	0	652
19:00	2	412	32	0	13	0	0	0	0	0	0	0	0	459
20:00	0	292	21	0	11	0	0	0	0	0	0	0	0	324
21:00	0	150	10	0	3	0	0	0	0	0	0	0	0	163
22:00	0	83	8	0	1	0	0	0	0	0	0	0	0	92
23:00	0	54	3	0	2	0	0	0	0	0	0	0	0	59
Totals	27	9109	804	17	398	15		6	12					10388
% of Totals	0%	88%	8%	0%	4%	0%		0%	0%					100%

AM Volumes	10	3053	294	12	153	12	0	3	9	0	0	0	0	3546
% AM	0%	29%	3%	0%	1%	0%		0%	0%					34%
AM Peak Hour	11:00	11:00	11:00	10:00	11:00	08:00		08:00	07:00					11:00
Volume	4	686	63	5	36	4		1	3					796
PM Volumes	17	6056	510	5	245	3	0	3	3	0	0	0	0	6842
% PM	0%	58%	5%	0%	2%	0%		0%	0%					66%
PM Peak Hour	16:00	16:00	12:00	13:00	17:00	14:00		12:00	12:00					16:00
Volume	4	890	84	2	38	2		1	1					993

Directional Peak Periods All Classes	AM 7-9 Volume		%	NOON 12-2 Volume		%	PM 4-6 Volume		%	Off Peak Volumes Volume		%
	1173	⟷	11%	1680	⟷	16%	1965	⟷	19%	5570	⟷	54%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

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Prepared by NDS/ATD

VOLUME

Qualcomm Wy Bet. Friars Rd EB Ramps & Rio San Diego Dr

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_109

DAILY TOTALS	NB	SB	EB	WB	Total
	6,056	4,332	0	0	10,388

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	6		4						10		12:00	144		80						224	
00:15	6		2						8		12:15	170		85						255	
00:30	3		10						13		12:30	147		90						237	
00:45	0	15	5	21					5	36	12:45	136	597	72	327					208	924
01:00	2		1						3		13:00	147		73						220	
01:15	0		9						9		13:15	104		78						182	
01:30	1		3						4		13:30	107		80						187	
01:45	0	3	3	16					3	19	13:45	96	454	71	302					167	756
02:00	1		5						6		14:00	107		71						178	
02:15	0		3						3		14:15	142		71						213	
02:30	0		2						2		14:30	94		71						165	
02:45	0	1	1	11					1	12	14:45	77	420	62	275					139	695
03:00	0		0						0		15:00	83		90						173	
03:15	0		2						2		15:15	78		91						169	
03:30	0		0						0		15:30	111		103						214	
03:45	0		3	5					3	5	15:45	113	385	84	368					197	753
04:00	0		2						2		16:00	144		105						249	
04:15	0		0						0		16:15	118		99						217	
04:30	2		3						5		16:30	167		101						268	
04:45	1	3	2	7					3	10	16:45	141	570	118	423					259	993
05:00	1		3						4		17:00	143		125						268	
05:15	4		2						6		17:15	119		108						227	
05:30	3		8						11		17:30	141		123						264	
05:45	17	25	10	23					27	48	17:45	121	524	92	448					213	972
06:00	22		23						45		18:00	133		96						229	
06:15	24		15						39		18:15	103		96						199	
06:30	39		20						59		18:30	53		66						119	
06:45	63	148	30	88					93	236	18:45	45	334	60	318					105	652
07:00	55		35						90		19:00	52		57						109	
07:15	68		31						99		19:15	70		62						132	
07:30	79		36						115		19:30	58		56						114	
07:45	142	344	60	162					202	506	19:45	57	237	47	222					104	459
08:00	124		59						183		20:00	52		36						88	
08:15	110		58						168		20:15	55		44						99	
08:30	92		59						151		20:30	42		25						67	
08:45	113	439	52	228					165	667	20:45	45	194	25	130					70	324
09:00	109		49						158		21:00	20		36						56	
09:15	93		42						135		21:15	17		14						31	
09:30	98		54						152		21:30	15		24						39	
09:45	89	389	50	195					139	584	21:45	20	72	17	91					37	163
10:00	104		63						167		22:00	19		22						41	
10:15	92		48						140		22:15	12		15						27	
10:30	107		57						164		22:30	8		5						13	
10:45	77	380	79	247					156	627	22:45	4	43	7	49					11	92
11:00	100		83						183		23:00	2		9						11	
11:15	90		84						174		23:15	16		7						23	
11:30	115		82						197		23:30	6		6						12	
11:45	146	451	96	345					242	796	23:45	4	28	9	31					13	59
TOTALS		2198		1348						3546	TOTALS		3858		2984						6842
SPLIT %		62.0%		38.0%						34.1%	SPLIT %		56.4%		43.6%						65.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	6,056	4,332	0	0	10,388

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:15	16:45			16:30
AM Pk Volume	607	351			958	PM Pk Volume	600	474			1022
Pk Hr Factor	0.893	0.914			0.939	Pk Hr Factor	0.882	0.948			0.953
7 - 9 Volume	783	390	0	0	1173	4 - 6 Volume	1094	871	0	0	1965
7 - 9 Peak Hour	07:45	07:45			07:45	4 - 6 Peak Hour	16:00	16:45			16:30
7 - 9 Pk Volume	468	236	0	0	704	4 - 6 Pk Volume	570	474	0	0	1022
Pk Hr Factor	0.824	0.983	0.000	0.000	0.871	Pk Hr Factor	0.853	0.948	0.000	0.000	0.953

Segment ID: 111

Qualcomm Way from Rio San Diego Dr to Camino Del Rio North

AM Peak Period Heavy Vehicle Percentage: 2.60%

Noon Peak Period Heavy Vehicle Percentage: 2.80%

PM Period Heavy Vehicle Percentage: 2.40%

Average Daily Heavy Vehicle Percentage: 2.50%

Prepared by National Data & Surveying Services

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CLASSIFICATION

Qualcomm Wy Bet. Rio San Diego Dr & Camino Del Rio North

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_110

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	131	10	0	1	0	0	0	0	0	0	0	0	142
01:00	0	70	3	0	0	0	0	0	0	0	0	0	0	73
02:00	0	45	3	0	1	0	0	1	0	0	0	0	0	50
03:00	0	34	1	0	1	0	0	0	0	0	0	0	0	36
04:00	0	89	14	3	2	0	0	0	0	0	0	0	0	108
05:00	1	278	29	1	10	1	0	0	0	0	0	0	0	320
06:00	1	785	68	0	22	2	0	2	0	0	0	0	0	880
07:00	6	1319	114	1	35	0	0	1	1	0	0	0	0	1477
08:00	1	1224	107	4	30	0	1	1	0	0	0	0	0	1368
09:00	3	1157	100	2	33	2	0	3	0	0	0	0	0	1300
10:00	2	1239	116	3	36	1	0	1	0	0	0	0	0	1398
11:00	1	1558	128	2	40	0	0	0	2	0	0	0	0	1731
12:00 PM	3	1674	138	2	48	0	0	0	0	0	0	0	0	1865
13:00	0	1630	135	2	43	1	0	2	0	0	0	0	0	1813
14:00	2	1500	130	1	40	3	0	1	0	0	0	0	0	1677
15:00	4	1547	124	2	41	1	0	0	0	0	0	0	0	1719
16:00	0	1802	137	1	45	0	0	0	0	0	0	0	0	1985
17:00	0	1679	120	2	41	0	0	1	1	0	0	0	0	1844
18:00	0	1389	94	1	29	0	0	0	0	0	0	0	0	1513
19:00	1	999	68	1	22	0	0	0	0	0	0	0	0	1091
20:00	1	771	47	0	14	0	0	0	0	0	0	0	0	833
21:00	0	452	28	0	12	0	0	1	0	0	0	0	0	493
22:00	0	314	13	0	4	0	0	0	0	0	0	0	0	331
23:00	0	166	9	0	1	0	0	0	0	0	0	0	0	176
Totals	26	21852	1736	28	551	11	1	14	4					24223
% of Totals	0%	90%	7%	0%	2%	0%	0%	0%	0%					100%

AM Volumes	15	7929	693	16	211	6	1	9	3	0	0	0	0	8883
% AM	0%	33%	3%	0%	1%	0%	0%	0%	0%					37%
AM Peak Hour	07:00	11:00	11:00	08:00	11:00	06:00	08:00	09:00	11:00					11:00
Volume	6	1558	128	4	40	2	1	3	2					1731
PM Volumes	11	13923	1043	12	340	5	0	5	1	0	0	0	0	15340
% PM	0%	57%	4%	0%	1%	0%		0%	0%					63%
PM Peak Hour	15:00	16:00	12:00	12:00	12:00	14:00		13:00	17:00					16:00
Volume	4	1802	138	2	48	3		2	1					1985

Directional Peak Periods All Classes	AM 7-9 Volume	↔	%	NOON 12-2 Volume	↔	%	PM 4-6 Volume	↔	%	Off Peak Volumes Volume	↔	%
	2845	↔	12%	3678	↔	15%	3829	↔	16%	13871	↔	57%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

111

Prepared by NDS/ATD

VOLUME

Qualcomm Wy Bet. Rio San Diego Dr & Camino Del Rio North

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_110

DAILY TOTALS	NB	SB	EB	WB	Total
	12,627	11,596	0	0	24,223

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	18		21						39		12:00	252		215						467	
00:15	19		20						39		12:15	263		213						476	
00:30	15		22						37		12:30	234		236						470	
00:45	13	65	14	77					27	142	12:45	259	1008	193	857					452	1865
01:00	14		12						26		13:00	203		243						446	
01:15	12		6						18		13:15	217		222						439	
01:30	8		6						14		13:30	255		217						472	
01:45	9	43	6	30					15	73	13:45	237	912	219	901					456	1813
02:00	5		3						8		14:00	208		225						433	
02:15	11		4						15		14:15	198		230						428	
02:30	9		4						13		14:30	201		204						405	
02:45	6	31	8	19					14	50	14:45	188	795	223	882					411	1677
03:00	3		1						4		15:00	199		221						420	
03:15	5		5						10		15:15	185		231						416	
03:30	3		7						10		15:30	216		238						454	
03:45	6	17	6	19					12	36	15:45	183	783	246	936					429	1719
04:00	5		9						14		16:00	181		308						489	
04:15	7		9						16		16:15	203		270						473	
04:30	13		14						27		16:30	193		316						509	
04:45	22	47	29	61					51	108	16:45	222	799	292	1186					514	1985
05:00	12		22						34		17:00	212		319						531	
05:15	29		30						59		17:15	182		304						486	
05:30	57		32						89		17:30	209		263						472	
05:45	100	198	38	122					138	320	17:45	173	776	182	1068					355	1844
06:00	72		69						141		18:00	198		221						419	
06:15	123		69						192		18:15	169		220						389	
06:30	153		102						255		18:30	166		183						349	
06:45	214	562	78	318					292	880	18:45	173	706	183	807					356	1513
07:00	215		83						298		19:00	144		152						296	
07:15	265		107						372		19:15	151		135						286	
07:30	290		113						403		19:30	135		145						280	
07:45	280	1050	124	427					404	1477	19:45	116	546	113	545					229	1091
08:00	237		112						349		20:00	116		119						235	
08:15	208		110						318		20:15	101		97						198	
08:30	214		135						349		20:30	103		115						218	
08:45	237	896	115	472					352	1368	20:45	87	407	95	426					182	833
09:00	197		111						308		21:00	101		68						169	
09:15	178		124						302		21:15	64		59						123	
09:30	210		132						342		21:30	58		45						103	
09:45	198	783	150	517					348	1300	21:45	49	272	49	221					98	493
10:00	194		160						354		22:00	46		53						99	
10:15	166		166						332		22:15	48		40						88	
10:30	204		157						361		22:30	44		37						81	
10:45	188	752	163	646					351	1398	22:45	26	164	37	167					63	331
11:00	204		182						386		23:00	26		24						50	
11:15	239		185						424		23:15	24		20						44	
11:30	250		225						475		23:30	22		23						45	
11:45	224	917	222	814					446	1731	23:45	26	98	11	78					37	176
TOTALS		5361		3522						8883	TOTALS		7266		8074						15340
SPLIT %		60.4%		39.6%						36.7%	SPLIT %		47.4%		52.6%						63.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	12,627	11,596	0	0	24,223

AM Peak Hour	07:15	11:45			11:30	PM Peak Hour	12:00	16:30			16:30
AM Pk Volume	1072	886			1864	PM Pk Volume	1008	1231			2040
Pk Hr Factor	0.924	0.939			0.979	Pk Hr Factor	0.958	0.965			0.960
7 - 9 Volume	1946	899	0	0	2845	4 - 6 Volume	1575	2254	0	0	3829
7 - 9 Peak Hour	07:15	07:45			07:15	4 - 6 Peak Hour	16:15	16:30			16:30
7 - 9 Pk Volume	1072	481	0	0	1528	4 - 6 Pk Volume	830	1231	0	0	2040
Pk Hr Factor	0.924	0.891	0.000	0.000	0.946	Pk Hr Factor	0.935	0.965	0.000	0.000	0.960

Prepared by National Data & Surveying Services

CLASSIFICATION

Qualcomm Wy Bet. Rio San Diego Dr & Camino Del Rio North

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_110

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	117	7	0	0	0	0	0	0	0	0	0	0	124
01:00	0	59	3	0	0	0	0	0	0	0	0	0	0	62
02:00	0	57	3	0	2	0	0	1	0	0	0	0	0	63
03:00	0	43	5	0	1	0	0	1	1	0	0	0	0	51
04:00	0	76	11	1	0	0	0	1	0	0	0	0	0	89
05:00	1	288	35	0	12	0	0	0	0	0	0	0	0	336
06:00	0	775	65	1	30	3	0	0	0	0	0	0	0	874
07:00	5	1261	112	1	28	2	0	0	1	0	0	0	0	1410
08:00	1	1340	100	3	30	2	0	1	2	0	0	0	0	1479
09:00	1	1087	87	3	37	0	0	3	1	0	0	0	0	1219
10:00	2	1246	113	2	36	2	0	4	1	0	0	0	0	1406
11:00	3	1585	149	2	49	0	0	1	0	0	0	0	0	1789
12:00 PM	4	1720	137	2	53	1	0	0	0	0	0	0	0	1917
13:00	3	1616	136	1	45	1	0	1	0	0	0	0	0	1803
14:00	2	1533	120	1	59	0	0	0	0	0	0	0	0	1715
15:00	5	1627	113	1	49	0	0	0	0	0	0	0	0	1795
16:00	2	1757	141	1	48	0	0	1	0	0	0	0	0	1950
17:00	1	1730	121	3	42	0	0	0	0	0	0	0	0	1897
18:00	0	1340	87	0	24	0	0	1	0	0	0	0	0	1452
19:00	1	1019	65	1	22	0	0	0	0	0	0	0	0	1108
20:00	0	782	54	0	14	0	0	0	0	0	0	0	0	850
21:00	0	477	40	0	8	0	0	1	0	0	0	0	0	526
22:00	0	291	16	2	5	0	0	0	0	0	0	0	0	314
23:00	0	193	9	1	2	0	0	0	0	0	0	0	0	205
Totals	31	22019	1729	26	596	11		16	6					24434
% of Totals	0%	90%	7%	0%	2%	0%		0%	0%					100%

AM Volumes	13	7934	690	13	225	9	0	12	6	0	0	0	0	8902
% AM	0%	32%	3%	0%	1%	0%		0%	0%					36%
AM Peak Hour	07:00	11:00	11:00	08:00	11:00	06:00		10:00	08:00					11:00
Volume	5	1585	149	3	49	3		4	2					1789
PM Volumes	18	14085	1039	13	371	2	0	4	0	0	0	0	0	15532
% PM	0%	58%	4%	0%	2%	0%		0%						64%
PM Peak Hour	15:00	16:00	16:00	17:00	14:00	12:00		13:00						16:00
Volume	5	1757	141	3	59	1		1						1950

Directional Peak Periods All Classes	AM 7-9 Volume	↔	%	NOON 12-2 Volume	↔	%	PM 4-6 Volume	↔	%	Off Peak Volumes Volume	↔	%
	2889	↔	12%	3720	↔	15%	3847	↔	16%	13978	↔	57%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 >=4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

111

Prepared by NDS/ATD

VOLUME

Qualcomm Wy Bet. Rio San Diego Dr & Camino Del Rio North

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_110

DAILY TOTALS	NB	SB	EB	WB	Total
	12,545	11,889	0	0	24,434

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	16		18						34		12:00	268		206						474	
00:15	26		17						43		12:15	275		224						499	
00:30	11		14						25		12:30	236		260						496	
00:45	12	65	10	59					22	124	12:45	222	1001	226	916					448	1917
01:00	9		9						18		13:00	209		226						435	
01:15	11		13						24		13:15	259		215						474	
01:30	5		6						11		13:30	231		224						455	
01:45	3	28	6	34					9	62	13:45	208	907	231	896					439	1803
02:00	4		10						14		14:00	220		240						460	
02:15	7		7						14		14:15	224		224						448	
02:30	12		8						20		14:30	204		193						397	
02:45	10	33	5	30					15	63	14:45	202	850	208	865					410	1715
03:00	6		6						12		15:00	169		243						412	
03:15	7		3						10		15:15	202		245						447	
03:30	9		5						14		15:30	200		264						464	
03:45	6	28	9	23					15	51	15:45	210	781	262	1014					472	1795
04:00	2		8						10		16:00	208		269						477	
04:15	10		6						16		16:15	177		290						467	
04:30	15		12						27		16:30	223		296						519	
04:45	16	43	20	46					36	89	16:45	195	803	292	1147					487	1950
05:00	17		24						41		17:00	227		341						568	
05:15	33		37						70		17:15	183		283						466	
05:30	63		29						92		17:30	193		256						449	
05:45	94	207	39	129					133	336	17:45	181	784	233	1113					414	1897
06:00	81		68						149		18:00	181		241						422	
06:15	131		72						203		18:15	187		212						399	
06:30	142		92						234		18:30	153		167						320	
06:45	197	551	91	323					288	874	18:45	149	670	162	782					311	1452
07:00	179		89						268		19:00	149		165						314	
07:15	247		89						336		19:15	149		153						302	
07:30	287		131						418		19:30	121		125						246	
07:45	268	981	120	429					388	1410	19:45	120	539	126	569					246	1108
08:00	244		137						381		20:00	131		128						259	
08:15	245		123						368		20:15	91		116						207	
08:30	223		137						360		20:30	104		112						216	
08:45	236	948	134	531					370	1479	20:45	79	405	89	445					168	850
09:00	189		118						307		21:00	64		83						147	
09:15	188		104						292		21:15	67		57						124	
09:30	195		119						314		21:30	72		66						138	
09:45	179	751	127	468					306	1219	21:45	62	265	55	261					117	526
10:00	192		137						329		22:00	44		53						97	
10:15	186		163						349		22:15	45		43						88	
10:30	191		167						358		22:30	37		27						64	
10:45	181	750	189	656					370	1406	22:45	29	155	36	159					65	314
11:00	205		228						433		23:00	37		28						65	
11:15	216		211						427		23:15	21		27						48	
11:30	224		211						435		23:30	21		24						45	
11:45	249	894	245	895					494	1789	23:45	27	106	20	99					47	205
TOTALS		5279		3623						8902	TOTALS		7266		8266						15532
SPLIT %		59.3%		40.7%						36.4%	SPLIT %		46.8%		53.2%						63.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	12,545	11,889	0	0	24,434

AM Peak Hour	07:15	11:45			11:45	PM Peak Hour	12:00	16:15			16:15
AM Pk Volume	1046	935			1963	PM Pk Volume	1001	1219			2041
Pk Hr Factor	0.911	0.899			0.983	Pk Hr Factor	0.910	0.894			0.898
7 - 9 Volume	1929	960	0	0	2889	4 - 6 Volume	1587	2260	0	0	3847
7 - 9 Peak Hour	07:15	08:00			07:30	4 - 6 Peak Hour	16:30	16:15			16:15
7 - 9 Pk Volume	1046	531	0	0	1555	4 - 6 Pk Volume	828	1219	0	0	2041
Pk Hr Factor	0.911	0.969	0.000	0.000	0.930	Pk Hr Factor	0.912	0.894	0.000	0.000	0.898

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Qualcomm Way, From Camino Del Rio North to I-8 WB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	24		28					12:00	216		219				
00:15	18		21					12:15	266		242				
00:30	20		19					12:30	251		205				
00:45	16	78	20	88			166	12:45	242	975	266	932			1907
01:00	11		16					13:00	251		254				
01:15	15		11					13:15	242		242				
01:30	19		15					13:30	265		222				
01:45	20	65	9	51			116	13:45	222	980	218	936			1916
02:00	11		10					14:00	218		206				
02:15	15		5					14:15	205		235				
02:30	16		4					14:30	188		204				
02:45	9	51	6	25			76	14:45	191	802	219	864			1666
03:00	6		5					15:00	165		225				
03:15	4		4					15:15	174		219				
03:30	6		4					15:30	184		242				
03:45	4	20	5	18			38	15:45	195	718	251	937			1655
04:00	5		10					16:00	205		282				
04:15	9		6					16:15	188		313				
04:30	8		4					16:30	161		333				
04:45	11	33	5	25			58	16:45	215	769	328	1256			2025
05:00	15		11					17:00	166		366				
05:15	19		16					17:15	184		342				
05:30	28		18					17:30	188		341				
05:45	32	94	16	61			155	17:45	170	708	319	1368			2076
06:00	40		25					18:00	170		305				
06:15	65		32					18:15	151		318				
06:30	88		40					18:30	141		302				
06:45	105	298	70	167			465	18:45	151	613	284	1209			1822
07:00	121		88					19:00	162		262				
07:15	168		81					19:15	135		222				
07:30	188		90					19:30	141		215				
07:45	231	708	91	350			1058	19:45	108	546	203	902			1448
08:00	258		55					20:00	111		181				
08:15	216		98					20:15	106		162				
08:30	202		101					20:30	88		135				
08:45	231	907	111	365			1272	20:45	90	395	105	583			978
09:00	191		108					21:00	70		88				
09:15	151		111					21:15	66		70				
09:30	142		90					21:30	68		65				
09:45	165	649	121	430			1079	21:45	54	258	55	278			536
10:00	135		105					22:00	40		40				
10:15	141		101					22:15	35		35				
10:30	151		144					22:30	28		28				
10:45	145	572	145	495			1067	22:45	26	129	20	123			252
11:00	168		168					23:00	26		28				
11:15	181		191					23:15	21		21				
11:30	195		205					23:30	29		22				
11:45	212	756	242	806			1562	23:45	20	96	26	97			193
Total Vol.		4231		2881			**7112**			6989		9485			**16474**

Daily Totals

NB	SB	EB	WB	**Combined**
11220	12366			**23586**

	AM			**PM**		
Split %	59.5%	40.5%	**30.2%**	42.4%	57.6%	**69.8%**
Peak Hour	11:45	11:30	**11:45**	12:15	16:45	**16:45**
Volume	945	908	**1853**	1010	1377	**2130**
P.H.F.	0.89	0.94	**0.91**	0.94	0.94	**0.98**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Qualcomm Way, From Camino Del Rio North to I-8 WB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	21		25					12:00	205		235				
00:15	20		20					12:15	219		214				
00:30	16		19					12:30	242		215				
00:45	18	75	20	84			159	12:45	223	889	212	876			1765
01:00	19		16					13:00	206		205				
01:15	20		15					13:15	218		218				
01:30	21		15					13:30	205		222				
01:45	15	75	19	65			140	13:45	235	864	215	860			1724
02:00	18		20					14:00	242		205				
02:15	10		16					14:15	216		189				
02:30	15		11					14:30	205		198				
02:45	11	54	8	55			109	14:45	184	847	212	804			1651
03:00	10		9					15:00	161		216				
03:15	8		10					15:15	154		218				
03:30	9		5					15:30	151		222				
03:45	12	39	4	28			67	15:45	189	655	268	924			1579
04:00	5		6					16:00	195		270				
04:15	4		9					16:15	208		335				
04:30	6		12					16:30	216		308				
04:45	4	19	5	32			51	16:45	222	841	325	1238			2079
05:00	9		18					17:00	205		344				
05:15	15		25					17:15	203		326				
05:30	18		28					17:30	184		326				
05:45	22	64	35	106			170	17:45	191	783	303	1299			2082
06:00	35		33					18:00	178		281				
06:15	45		42					18:15	184		298				
06:30	66		51					18:30	151		288				
06:45	84	230	68	194			424	18:45	142	655	270	1137			1792
07:00	116		91					19:00	155		222				
07:15	141		105					19:15	162		205				
07:30	168		111					19:30	131		184				
07:45	195	620	84	391			1011	19:45	128	576	191	802			1378
08:00	265		95					20:00	105		165				
08:15	241		68					20:15	116		184				
08:30	215		101					20:30	88		177				
08:45	205	926	124	388			1314	20:45	70	379	111	637			1016
09:00	218		141					21:00	65		121				
09:15	223		116					21:15	70		103				
09:30	184		106					21:30	54		88				
09:45	161	786	88	451			1237	21:45	66	255	90	402			657
10:00	142		95					22:00	51		70				
10:15	135		105					22:15	40		65				
10:30	144		121					22:30	35		77				
10:45	168	589	135	456			1045	22:45	41	167	54	266			433
11:00	151		141					23:00	28		35				
11:15	184		188					23:15	21		22				
11:30	184		191					23:30	26		28				
11:45	195	714	206	726			1440	23:45	28	103	21	106			209
Total Vol.		4191		2976			**7167**			7014		9351			**16365**

Daily Totals

NB	SB	EB	WB	**Combined**
11205	12327			**23532**

	AM			**PM**		
Split %	58.5%	41.5%	**30.5%**	42.9%	57.1%	**69.5%**
Peak Hour	08:00	11:45	**11:45**	13:15	16:45	**16:15**
Volume	926	870	**1731**	900	1321	**2163**
P.H.F.	0.87	0.93	**0.95**	0.95	0.96	**0.98**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Qualcomm Way, From I-8 WB Ramps to I-8 EB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	35		40					12:00	316		305				
00:15	44		32					12:15	342		284				
00:30	41		31					12:30	352		288				
00:45	50	170	35	138			308	12:45	366	1376	291	1168			2544
01:00	28		33					13:00	313		319				
01:15	26		28					13:15	305		303				
01:30	26		21					13:30	319		333				
01:45	21	101	19	101			202	13:45	333	1270	316	1271			2541
02:00	19		20					14:00	284		288				
02:15	20		16					14:15	290		270				
02:30	15		10					14:30	298		291				
02:45	11	65	11	57			122	14:45	265	1137	288	1137			2274
03:00	18		15					15:00	288		290				
03:15	17		19					15:15	275		313				
03:30	16		19					15:30	268		305				
03:45	11	62	20	73			135	15:45	299	1130	336	1244			2374
04:00	10		16					16:00	296		345				
04:15	19		18					16:15	318		384				
04:30	18		11					16:30	305		390				
04:45	25	72	19	64			136	16:45	288	1207	441	1560			2767
05:00	35		22					17:00	294		484				
05:15	44		28					17:15	316		491				
05:30	51		31					17:30	305		498				
05:45	68	198	33	114			312	17:45	313	1228	419	1892			3120
06:00	77		67					18:00	319		403				
06:15	91		84					18:15	303		418				
06:30	128		88					18:30	270		388				
06:45	142	438	91	330			768	18:45	226	1118	362	1571			2689
07:00	188		105					19:00	235		333				
07:15	256		161					19:15	241		321				
07:30	320		177					19:30	222		270				
07:45	328	1092	184	627			1719	19:45	184	882	222	1146			2028
08:00	335		195					20:00	191		202				
08:15	305		162					20:15	177		184				
08:30	322		222					20:30	184		191				
08:45	306	1268	213	792			2060	20:45	191	743	170	747			1490
09:00	318		242					21:00	125		154				
09:15	333		262					21:15	102		140				
09:30	311		242					21:30	88		89				
09:45	318	1280	222	968			2248	21:45	91	406	85	468			874
10:00	333		218					22:00	70		81				
10:15	305		235					22:15	65		80				
10:30	295		242					22:30	77		70				
10:45	295	1228	225	920			2148	22:45	84	296	65	296			592
11:00	284		209					23:00	50		35				
11:15	319		241					23:15	40		51				
11:30	366		266					23:30	66		55				
11:45	342	1311	239	955			2266	23:45	37	193	40	181			374
Total Vol.		7285		5139			**12424**			10986		12681			**23667**

Daily Totals

NB	SB	EB	WB	**Combined**
18271	17820			**36091**

	AM			**PM**		
Split %	58.6%	41.4%	**34.4%**	46.4%	53.6%	**65.6%**
Peak Hour	11:30	11:45	**11:45**	12:00	16:45	**17:00**
Volume	1366	1116	**2468**	1376	1914	**3120**
P.H.F.	0.93	0.91	**0.96**	0.97	0.96	**0.97**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Qualcomm Way, From I-8 WB Ramps to I-8 EB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	50		44					12:00	362		288				
00:15	40		41					12:15	319		294				
00:30	32		35					12:30	332		305				
00:45	33	155	28	148			303	12:45	305	1318	315	1202			2520
01:00	31		29					13:00	278		305				
01:15	28		30					13:15	298		333				
01:30	29		25					13:30	275		319				
01:45	20	108	22	106			214	13:45	255	1106	284	1241			2347
02:00	16		19					14:00	262		295				
02:15	19		20					14:15	284		277				
02:30	11		15					14:30	292		298				
02:45	15	61	18	72			133	14:45	235	1073	284	1154			2227
03:00	18		19					15:00	242		318				
03:15	12		20					15:15	268		305				
03:30	22		16					15:30	277		326				
03:45	16	68	11	66			134	15:45	284	1071	342	1291			2362
04:00	19		15					16:00	319		391				
04:15	20		19					16:15	305		388				
04:30	22		15					16:30	284		361				
04:45	32	93	26	75			168	16:45	284	1192	449	1589			2781
05:00	40		22					17:00	291		451				
05:15	55		32					17:15	319		506				
05:30	65		40					17:30	291		435				
05:45	70	230	55	149			379	17:45	305	1206	399	1791			2997
06:00	88		65					18:00	284		418				
06:15	101		70					18:15	306		406				
06:30	156		91					18:30	284		382				
06:45	191	536	88	314			850	18:45	262	1136	362	1568			2704
07:00	221		138					19:00	222		375				
07:15	284		151					19:15	235		303				
07:30	326		166					19:30	251		288				
07:45	290	1121	184	639			1760	19:45	262	970	292	1258			2228
08:00	351		161					20:00	242		265				
08:15	303		170					20:15	235		254				
08:30	311		181					20:30	221		221				
08:45	321	1286	221	733			2019	20:45	151	849	184	924			1773
09:00	335		262					21:00	135		161				
09:15	342		232					21:15	126		128				
09:30	306		218					21:30	111		103				
09:45	319	1302	242	954			2256	21:45	108	480	88	480			960
10:00	295		235					22:00	95		98				
10:15	288		222					22:15	103		70				
10:30	315		205					22:30	84		65				
10:45	333	1231	221	883			2114	22:45	70	352	55	288			640
11:00	362		221					23:00	65		84				
11:15	388		268					23:15	55		54				
11:30	319		275					23:30	40		40				
11:45	335	1404	270	1034			2438	23:45	55	215	35	213			428
Total Vol.		7595		5173			**12768**			10968		12999			**23967**

Daily Totals

NB	SB	EB	WB	**Combined**
18563	18172			**36735**

	AM			**PM**		
Split %	59.5%	40.5%	**34.8%**	45.8%	54.2%	**65.2%**
Peak Hour	11:00	11:45	**11:15**	12:00	16:45	**16:45**
Volume	1404	1157	**2505**	1318	1841	**3026**
P.H.F.	0.90	0.95	**0.95**	0.93	0.91	**0.92**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Qualcomm Way, From I-8 EB Ramps to Camino Del Rio South

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	20		24					12:00	203		206				
00:15	19		24					12:15	242		212				
00:30	22		26					12:30	262		205				
00:45	22	83	25	99			182	12:45	241	948	189	812			1760
01:00	16		20					13:00	241		191				
01:15	20		25					13:15	226		188				
01:30	15		15					13:30	202		184				
01:45	11	62	16	76			138	13:45	219	888	195	758			1646
02:00	9		17					14:00	184		174				
02:15	12		15					14:15	195		165				
02:30	16		19					14:30	199		177				
02:45	8	45	10	61			106	14:45	165	743	211	727			1470
03:00	9		8					15:00	213		202				
03:15	10		9					15:15	205		218				
03:30	5		10					15:30	225		242				
03:45	4	28	5	32			60	15:45	242	885	268	930			1815
04:00	9		4					16:00	268		277				
04:15	5		6					16:15	284		262				
04:30	12		9					16:30	242		288				
04:45	15	41	10	29			70	16:45	215	1009	321	1148			2157
05:00	18		15					17:00	235		342				
05:15	22		15					17:15	248		388				
05:30	28		18					17:30	255		385				
05:45	55	123	28	76			199	17:45	219	957	362	1477			2434
06:00	68		31					18:00	235		303				
06:15	99		41					18:15	212		305				
06:30	105		58					18:30	205		288				
06:45	126	398	95	225			623	18:45	181	833	270	1166			1999
07:00	141		101					19:00	165		284				
07:15	195		121					19:15	145		229				
07:30	235		135					19:30	111		184				
07:45	262	833	131	488			1321	19:45	125	546	191	888			1434
08:00	242		141					20:00	111		165				
08:15	221		155					20:15	108		174				
08:30	242		141					20:30	88		140				
08:45	223	928	184	621			1549	20:45	95	402	111	590			992
09:00	241		155					21:00	70		121				
09:15	202		141					21:15	65		105				
09:30	189		161					21:30	70		88				
09:45	216	848	177	634			1482	21:45	54	259	91	405			664
10:00	205		184					22:00	55		70				
10:15	215		135					22:15	40		65				
10:30	221		145					22:30	37		70				
10:45	206	847	168	632			1479	22:45	31	163	54	259			422
11:00	235		191					23:00	33		44				
11:15	214		175					23:15	28		35				
11:30	205		188					23:30	33		28				
11:45	242	896	154	708			1604	23:45	30	124	28	135			259
Total Vol.	5132		3681				**8813**		7757		9295				**17052**

Daily Totals

NB	SB	EB	WB	**Combined**
12889	12976			**25865**

	AM			**PM**		
Split %	58.2%	41.8%	**34.1%**	45.5%	54.5%	**65.9%**
Peak Hour	07:45	11:45	**11:45**	15:45	17:00	**17:00**
Volume	967	777	**1726**	1036	1477	**2434**
P.H.F.	0.92	0.92	**0.92**	0.95	0.95	**0.95**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Qualcomm Way, From I-8 EB Ramps to Camino Del Rio South

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	33		28					12:00	266		161				
00:15	34		30					12:15	235		188				
00:30	40		33					12:30	241		219				
00:45	26	133	25	116			249	12:45	222	964	203	771			1735
01:00	20		21					13:00	219		221				
01:15	18		19					13:15	206		206				
01:30	20		20					13:30	184		219				
01:45	16	74	15	75			149	13:45	191	800	203	849			1649
02:00	11		11					14:00	165		189				
02:15	15		18					14:15	174		191				
02:30	9		20					14:30	195		165				
02:45	12	47	16	65			112	14:45	221	755	178	723			1478
03:00	16		11					15:00	203		215				
03:15	11		9					15:15	232		232				
03:30	7		12					15:30	242		242				
03:45	9	43	13	45			88	15:45	241	918	255	944			1862
04:00	9		5					16:00	268		268				
04:15	15		9					16:15	242		284				
04:30	11		8					16:30	251		266				
04:45	18	53	4	26			79	16:45	213	974	351	1169			2143
05:00	16		10					17:00	244		331				
05:15	21		16					17:15	258		368				
05:30	32		22					17:30	240		344				
05:45	42	111	21	69			180	17:45	222	964	305	1348			2312
06:00	51		44					18:00	219		319				
06:15	90		65					18:15	203		284				
06:30	111		70					18:30	184		292				
06:45	141	393	91	270			663	18:45	151	757	268	1163			1920
07:00	168		108					19:00	141		242				
07:15	223		111					19:15	111		221				
07:30	242		105					19:30	126		205				
07:45	238	871	128	452			1323	19:45	132	510	219	887			1397
08:00	268		138					20:00	105		203				
08:15	219		156					20:15	88		184				
08:30	231		144					20:30	95		161				
08:45	225	943	191	629			1572	20:45	70	358	135	683			1041
09:00	223		180					21:00	65		142				
09:15	219		177					21:15	70		121				
09:30	195		165					21:30	54		102				
09:45	199	836	141	663			1499	21:45	44	233	88	453			686
10:00	206		135					22:00	35		70				
10:15	221		126					22:15	40		65				
10:30	203		141					22:30	21		77				
10:45	212	842	155	557			1399	22:45	29	125	50	262			387
11:00	251		151					23:00	22		40				
11:15	206		184					23:15	26		35				
11:30	223		170					23:30	30		44				
11:45	262	942	169	674			1616	23:45	25	103	28	147			250
Total Vol.		5288		3641			**8929**			7461		9399			**16860**

Daily Totals

NB	SB	EB	WB	**Combined**
12749	13040			**25789**

	AM			**PM**		
Split %	59.2%	40.8%	**34.6%**	44.3%	55.7%	**65.4%**
Peak Hour	11:45	11:45	**11:45**	15:45	16:45	**16:45**
Volume	1004	737	**1741**	1002	1394	**2349**
P.H.F.	0.94	0.84	**0.95**	0.93	0.95	**0.94**

Segment ID: 115

Texas Street from Camino Del Rio South to 1400 feet north of Madison Ave

AM Peak Period Heavy Vehicle Percentage: 3.15%

Noon Peak Period Heavy Vehicle Percentage: 3.10%

PM Period Heavy Vehicle Percentage: 2.00%

Average Daily Heavy Vehicle Percentage: 2.00%

Prepared by National Data & Surveying Services

CLASSIFICATION

Texas St Bet. Camino Del Rio South & 1400ft N/O Madison Ave

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_114

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	159	11	0	1	0	0	0	0	0	0	0	0	171
01:00	0	84	3	0	3	0	0	0	0	0	0	0	0	90
02:00	2	62	4	0	2	0	0	0	0	0	0	0	0	70
03:00	2	59	4	0	0	0	0	0	0	0	0	0	0	65
04:00	1	110	6	0	0	0	0	0	0	0	0	0	0	117
05:00	0	300	27	1	6	0	0	0	0	0	0	0	0	334
06:00	5	906	70	6	20	0	0	0	1	0	0	0	0	1008
07:00	10	1612	113	8	25	2	0	1	0	0	0	0	0	1771
08:00	4	1566	131	8	33	5	0	1	0	0	0	0	0	1748
09:00	4	1363	125	4	29	2	0	3	0	0	0	0	0	1530
10:00	9	1196	117	9	41	3	0	3	0	0	0	0	0	1378
11:00	3	1406	129	6	34	0	0	1	0	0	0	0	0	1579
12:00 PM	4	1598	138	7	36	2	0	0	2	0	0	0	0	1787
13:00	3	1567	152	10	35	0	0	0	0	0	0	0	0	1767
14:00	8	1615	152	8	48	0	0	1	0	0	0	0	0	1832
15:00	9	1793	153	7	35	1	0	0	0	0	0	0	0	1998
16:00	9	2150	149	9	39	1	0	0	0	0	0	0	0	2357
17:00	8	2379	150	6	42	0	0	0	2	0	0	0	0	2587
18:00	6	1977	129	8	22	1	0	0	0	0	0	0	0	2143
19:00	4	1496	100	4	16	0	0	0	0	0	0	0	0	1620
20:00	3	1119	77	3	13	1	1	1	0	0	0	0	0	1218
21:00	2	860	56	3	14	1	0	2	1	0	0	0	0	939
22:00	1	610	36	1	9	2	0	3	0	0	0	0	0	662
23:00	0	329	21	3	5	1	0	0	0	0	0	0	0	359
Totals	97	26316	2053	111	508	22	1	16	6					29130
% of Totals	0%	90%	7%	0%	2%	0%	0%	0%	0%					100%

AM Volumes	40	8823	740	42	194	12	0	9	1	0	0	0	0	9861
% AM	0%	30%	3%	0%	1%	0%		0%	0%					34%
AM Peak Hour	07:00	07:00	08:00	10:00	10:00	08:00		09:00	06:00					07:00
Volume	10	1612	131	9	41	5		3	1					1771
PM Volumes	57	17493	1313	69	314	10	1	7	5	0	0	0	0	19269
% PM	0%	60%	5%	0%	1%	0%	0%	0%	0%					66%
PM Peak Hour	15:00	17:00	15:00	13:00	14:00	12:00	20:00	22:00	12:00					17:00
Volume	9	2379	153	10	48	2	1	3	2					2587

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	3519		12%	3554		12%	4944		17%	17113		59%

Classification Definitions

1 Motorcycles	**4** Buses	**7** > =4-Axle Single Units	**10** >=6-Axle Single Trailers	**13** >=7-Axle Multi-Trailers
2 Passenger Cars	**5** 2-Axle, 6-Tire Single Units	**8** <=4-Axle Single Trailers	**11** <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	**6** 3-Axle Single Units	**9** 5-Axle Single Trailers	**12** 6-Axle Multi-Trailers	

115

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Texas St Bet. Camino Del Rio South & 1400ft N/O Madison Ave

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_114

DAILY TOTALS	NB	SB	EB	WB	Total
	14,513	14,617	0	0	29,130

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	24		33		0	0	57		12:00	222		234		0	0	456	
00:15	19		27		0	0	46		12:15	237		205		0	0	442	
00:30	15		29		0	0	44		12:30	235		213		0	0	448	
00:45	9	67	15	104	0	0	24	171	12:45	225	919	216	868	0	0	441	1787
01:00	10		13		0	0	23		13:00	242		215		0	0	457	
01:15	9		18		0	0	27		13:15	223		222		0	0	445	
01:30	7		13		0	0	20		13:30	223		203		0	0	426	
01:45	12	38	8	52	0	0	20	90	13:45	218	906	221	861	0	0	439	1767
02:00	13		9		0	0	22		14:00	206		218		0	0	424	
02:15	8		12		0	0	20		14:15	258		227		0	0	485	
02:30	4		7		0	0	11		14:30	238		254		0	0	492	
02:45	10	35	7	35	0	0	17	70	14:45	188	890	243	942	0	0	431	1832
03:00	10		6		0	0	16		15:00	230		235		0	0	465	
03:15	7		5		0	0	12		15:15	216		258		0	0	474	
03:30	12		6		0	0	18		15:30	245		295		0	0	540	
03:45	16	45	3	20	0	0	19	65	15:45	210	901	309	1097	0	0	519	1998
04:00	5		3		0	0	8		16:00	239		349		0	0	588	
04:15	15		7		0	0	22		16:15	208		377		0	0	585	
04:30	28		9		0	0	37		16:30	228		362		0	0	590	
04:45	37	85	13	32	0	0	50	117	16:45	241	916	353	1441	0	0	594	2357
05:00	43		14		0	0	57		17:00	240		446		0	0	686	
05:15	51		21		0	0	72		17:15	217		417		0	0	634	
05:30	76		18		0	0	94		17:30	262		401		0	0	663	
05:45	73	243	38	91	0	0	111	334	17:45	226	945	378	1642	0	0	604	2587
06:00	117		38		0	0	155		18:00	207		374		0	0	581	
06:15	169		64		0	0	233		18:15	211		335		0	0	546	
06:30	221		63		0	0	284		18:30	204		341		0	0	545	
06:45	249	756	87	252	0	0	336	1008	18:45	178	800	293	1343	0	0	471	2143
07:00	250		90		0	0	340		19:00	177		250		0	0	427	
07:15	351		116		0	0	467		19:15	160		273		0	0	433	
07:30	379		86		0	0	465		19:30	155		234		0	0	389	
07:45	388	1368	111	403	0	0	499	1771	19:45	143	635	228	985	0	0	371	1620
08:00	330		96		0	0	426		20:00	138		211		0	0	349	
08:15	305		111		0	0	416		20:15	120		185		0	0	305	
08:30	309		146		0	0	455		20:30	101		194		0	0	295	
08:45	278	1222	173	526	0	0	451	1748	20:45	92	451	177	767	0	0	269	1218
09:00	261		160		0	0	421		21:00	104		173		0	0	277	
09:15	240		155		0	0	395		21:15	94		147		0	0	241	
09:30	261		128		0	0	389		21:30	86		144		0	0	230	
09:45	206	968	119	562	0	0	325	1530	21:45	60	344	131	595	0	0	191	939
10:00	177		126		0	0	303		22:00	69		132		0	0	201	
10:15	184		153		0	0	337		22:15	59		113		0	0	172	
10:30	218		162		0	0	380		22:30	55		89		0	0	144	
10:45	193	772	165	606	0	0	358	1378	22:45	56	239	89	423	0	0	145	662
11:00	188		162		0	0	350		23:00	47		70		0	0	117	
11:15	213		185		0	0	398		23:15	34		69		0	0	103	
11:30	210		198		0	0	408		23:30	31		40		0	0	71	
11:45	226	837	197	742	0	0	423	1579	23:45	19	131	49	228	0	0	68	359
TOTALS		6436		3425				9861	TOTALS		8077		11192				19269
SPLIT %		65.3%		34.7%				33.9%	SPLIT %		41.9%		58.1%				66.1%

DAILY TOTALS	NB	SB	EB	WB	Total
	14,513	14,617	0	0	29,130

AM Peak Hour	07:15	11:45					07:15		PM Peak Hour	16:45	17:00					17:00		
AM Pk Volume	1448	849					1857		PM Pk Volume	960	1642					2587		
Pk Hr Factor	0.933	0.460					0.930		Pk Hr Factor	0.870	0.928					0.943		
7 - 9 Volume	2590	929	0	0			3519		4 - 6 Volume	1861	3083	0	0			4944		
7 - 9 Peak Hour	07:15	08:00					07:15		4 - 6 Peak Hour	16:45	17:00					17:00		
7 - 9 Pk Volume	1448	526	0	0			1857		4 - 6 Pk Volume	960	1642	0	0			2587		
Pk Hr Factor	0.933	0.760	0.000	0.000			0.930		Pk Hr Factor	0.916	0.920	0.000	0.000			0.943		

Prepared by National Data & Surveying Services

CLASSIFICATION

Texas St Bet. Camino Del Rio South & 1400ft N/O Madison Ave

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_114

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	1	182	8	0	4	0	0	0	0	0	0	0	0	195
01:00	0	95	4	0	0	0	0	2	0	0	0	0	0	101
02:00	0	71	4	0	0	0	0	0	0	0	0	0	0	75
03:00	0	59	5	0	1	1	0	1	0	0	0	0	0	67
04:00	1	115	6	0	1	0	0	0	0	0	0	0	0	123
05:00	3	288	23	2	4	0	0	0	0	0	0	0	0	320
06:00	5	912	71	6	20	4	0	2	3	0	0	0	0	1023
07:00	6	1511	124	7	40	3	0	1	0	0	0	0	0	1692
08:00	6	1649	110	12	45	3	0	6	0	0	0	0	0	1831
09:00	8	1261	119	6	33	1	0	6	0	0	0	0	0	1434
10:00	6	1181	117	7	34	2	0	4	0	0	0	0	0	1351
11:00	6	1355	130	6	39	3	0	0	2	0	0	0	0	1541
12:00 PM	6	1488	136	11	47	0	0	2	0	0	0	0	0	1690
13:00	6	1525	142	8	43	0	0	0	0	0	0	0	0	1724
14:00	6	1626	128	10	46	1	0	1	0	0	0	0	0	1818
15:00	12	1859	154	14	49	0	0	1	0	0	0	0	0	2089
16:00	8	2082	161	10	41	0	0	1	0	0	0	0	0	2303
17:00	8	2452	141	6	37	2	0	1	0	0	0	0	0	2647
18:00	8	2051	137	5	38	3	0	1	0	0	0	0	0	2243
19:00	9	1461	86	3	22	2	0	2	1	0	0	0	0	1586
20:00	2	1099	63	2	12	0	0	0	0	0	0	0	0	1178
21:00	0	864	45	1	10	1	1	4	0	0	0	0	0	926
22:00	0	585	35	3	6	0	0	5	0	0	0	0	0	634
23:00	1	361	19	2	3	0	0	0	0	0	0	0	0	386
Totals	108	26132	1968	121	575	26	1	40	6					28977
% of Totals	0%	90%	7%	0%	2%	0%	0%	0%	0%					100%

AM Volumes	42	8679	721	46	221	17	0	22	5	0	0	0	0	9753
% AM	0%	30%	2%	0%	1%	0%		0%	0%					34%
AM Peak Hour	09:00	08:00	11:00	08:00	08:00	06:00		08:00	06:00					08:00
Volume	8	1649	130	12	45	4		6	3					1831
PM Volumes	66	17453	1247	75	354	9	1	18	1	0	0	0	0	19224
% PM	0%	60%	4%	0%	1%	0%	0%	0%	0%					66%
PM Peak Hour	15:00	17:00	16:00	15:00	15:00	18:00	21:00	22:00	19:00					17:00
Volume	12	2452	161	14	49	3	1	5	1					2647

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%	Volume	⟷	%
	3523		12%	3414		12%	4950		17%	17090		59%

Classification Definitions

1 Motorcycles
2 Passenger Cars
3 2-Axle, 4-Tire Single Units
4 Buses
5 2-Axle, 6-Tire Single Units
6 3-Axle Single Units
7 > =4-Axle Single Units
8 <=4-Axle Single Trailers
9 5-Axle Single Trailers
10 >=6-Axle Single Trailers
11 <=5-Axle Multi-Trailers
12 6-Axle Multi-Trailers
13 >=7-Axle Multi-Trailers

115

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Texas St Bet. Camino Del Rio South & 1400ft N/O Madison Ave

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_114

DAILY TOTALS	NB	SB	EB	WB	Total
	14,456	14,521	0	0	28,977

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	28		39		0	0	67		12:00	206		208		0	0	414	
00:15	23		24		0	0	47		12:15	209		204		0	0	413	
00:30	21		20		0	0	41		12:30	235		208		0	0	443	
00:45	19	91	21	104	0	0	40	195	12:45	202	852	218	838	0	0	420	1690
01:00	16		15		0	0	31		13:00	222		212		0	0	434	
01:15	20		9		0	0	29		13:15	202		217		0	0	419	
01:30	7		7		0	0	14		13:30	229		204		0	0	433	
01:45	16	59	11	42	0	0	27	101	13:45	211	864	227	860	0	0	438	1724
02:00	14		8		0	0	22		14:00	233		207		0	0	440	
02:15	10		8		0	0	18		14:15	243		224		0	0	467	
02:30	15		6		0	0	21		14:30	245		216		0	0	461	
02:45	5	44	9	31	0	0	14	75	14:45	197	918	253	900	0	0	450	1818
03:00	8		2		0	0	10		15:00	218		290		0	0	508	
03:15	6		7		0	0	13		15:15	244		277		0	0	521	
03:30	17		11		0	0	28		15:30	262		283		0	0	545	
03:45	9	40	7	27	0	0	16	67	15:45	225	949	290	1140	0	0	515	2089
04:00	12		5		0	0	17		16:00	217		343		0	0	560	
04:15	23		6		0	0	29		16:15	235		349		0	0	584	
04:30	27		8		0	0	35		16:30	230		341		0	0	571	
04:45	35	97	7	26	0	0	42	123	16:45	204	886	384	1417	0	0	588	2303
05:00	40		11		0	0	51		17:00	227		420		0	0	647	
05:15	48		23		0	0	71		17:15	291		414		0	0	705	
05:30	66		27		0	0	93		17:30	227		429		0	0	656	
05:45	72	226	33	94	0	0	105	320	17:45	225	970	414	1677	0	0	639	2647
06:00	110		56		0	0	166		18:00	218		410		0	0	628	
06:15	165		64		0	0	229		18:15	210		384		0	0	594	
06:30	232		66		0	0	298		18:30	202		324		0	0	526	
06:45	253	760	77	263	0	0	330	1023	18:45	190	820	305	1423	0	0	495	2243
07:00	243		94		0	0	337		19:00	190		268		0	0	458	
07:15	318		98		0	0	416		19:15	171		253		0	0	424	
07:30	358		104		0	0	462		19:30	152		223		0	0	375	
07:45	373	1292	104	400	0	0	477	1692	19:45	132	645	197	941	0	0	329	1586
08:00	364		109		0	0	473		20:00	116		217		0	0	333	
08:15	312		120		0	0	432		20:15	114		178		0	0	292	
08:30	317		149		0	0	466		20:30	99		184		0	0	283	
08:45	304	1297	156	534	0	0	460	1831	20:45	111	440	159	738	0	0	270	1178
09:00	238		139		0	0	377		21:00	96		175		0	0	271	
09:15	213		151		0	0	364		21:15	84		175		0	0	259	
09:30	186		133		0	0	319		21:30	70		133		0	0	203	
09:45	241	878	133	556	0	0	374	1434	21:45	79	329	114	597	0	0	193	926
10:00	196		141		0	0	337		22:00	64		107		0	0	171	
10:15	216		139		0	0	355		22:15	57		106		0	0	163	
10:30	192		129		0	0	321		22:30	71		85		0	0	156	
10:45	175	779	163	572	0	0	338	1351	22:45	55	247	89	387	0	0	144	634
11:00	181		153		0	0	334		23:00	45		85		0	0	130	
11:15	195		174		0	0	369		23:15	47		57		0	0	104	
11:30	226		185		0	0	411		23:30	36		51		0	0	87	
11:45	221	823	206	718	0	0	427	1541	23:45	22	150	43	236	0	0	65	386
TOTALS		6386		3367				9753	TOTALS		8070		11154				19224
SPLIT %		65.5%		34.5%				33.7%	SPLIT %		42.0%		58.0%				66.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	14,456	14,521	0	0	28,977

AM Peak Hour	07:15	11:45				07:45	PM Peak Hour	17:00	17:00				17:00
AM Pk Volume	1413	826				1848	PM Pk Volume	970	1677				2647
Pk Hr Factor	0.947	0.498				0.969	Pk Hr Factor	0.969	0.954				0.939
7 - 9 Volume	2589	934	0	0		3523	4 - 6 Volume	1856	3094	0	0		4950
7 - 9 Peak Hour	07:15	08:00				07:45	4 - 6 Peak Hour	17:00	17:00				17:00
7 - 9 Pk Volume	1413	534	0	0		1848	4 - 6 Pk Volume	970	1677	0	0		2647
Pk Hr Factor	0.947	0.856	0.000	0.000		0.969	Pk Hr Factor	0.833	0.977	0.000	0.000		0.939

Prepared by NDS/ATD

VOLUME

Texas St 1400 Ft N/O Madison Ave

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_115

DAILY TOTALS	NB	SB	EB	WB	Total
	14,629	14,814	0	0	29,443

AM Period	NB		SB		EB		WB		TOTAL	
00:00	31		35						66	
00:15	24		30						54	
00:30	14		31						45	
00:45	14	83	17	113					31	196
01:00	14		17						31	
01:15	15		24						39	
01:30	9		12						21	
01:45	9	47	11	64					20	111
02:00	7		11						18	
02:15	9		13						22	
02:30	9		8						17	
02:45	7	32	4	36					11	68
03:00	10		6						16	
03:15	6		5						11	
03:30	12		8						20	
03:45	14	42	6	25					20	67
04:00	8		8						16	
04:15	13		4						17	
04:30	21		7						28	
04:45	36	78	10	29					46	107
05:00	28		10						38	
05:15	49		12						61	
05:30	62		21						83	
05:45	82	221	35	78					117	299
06:00	100		31						131	
06:15	153		56						209	
06:30	216		69						285	
06:45	265	734	79	235					344	969
07:00	264		84						348	
07:15	323		103						426	
07:30	372		106						478	
07:45	406	1365	88	381					494	1746
08:00	360		113						473	
08:15	322		115						437	
08:30	311		121						432	
08:45	296	1289	139	488					435	1777
09:00	267		162						429	
09:15	230		167						397	
09:30	231		107						338	
09:45	227	955	128	564					355	1519
10:00	193		133						326	
10:15	191		150						341	
10:30	188		171						359	
10:45	217	789	161	615					378	1404
11:00	174		172						346	
11:15	191		177						368	
11:30	213		200						413	
11:45	241	819	207	756					448	1575
TOTALS		6454		3384						9838
SPLIT %		65.6%		34.4%						33.4%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	239		236						475	
12:15	219		200						419	
12:30	214		196						410	
12:45	252	924	230	862					482	1786
13:00	260		232						492	
13:15	234		229						463	
13:30	210		197						407	
13:45	209	913	213	871					422	1784
14:00	183		245						428	
14:15	275		233						508	
14:30	214		236						450	
14:45	209	881	243	957					452	1838
15:00	207		222						429	
15:15	221		255						476	
15:30	255		293						548	
15:45	232	915	300	1070					532	1985
16:00	225		349						574	
16:15	197		363						560	
16:30	255		382						637	
16:45	247	924	361	1455					608	2379
17:00	222		447						669	
17:15	208		436						644	
17:30	263		434						697	
17:45	247	940	392	1709					639	2649
18:00	218		380						598	
18:15	210		377						587	
18:30	207		347						554	
18:45	169	804	290	1394					459	2198
19:00	172		270						442	
19:15	177		299						476	
19:30	142		238						380	
19:45	149	640	218	1025					367	1665
20:00	148		208						356	
20:15	118		210						328	
20:30	111		201						312	
20:45	88	465	166	785					254	1250
21:00	112		189						301	
21:15	107		151						258	
21:30	89		137						226	
21:45	69	377	130	607					199	984
22:00	65		139						204	
22:15	66		133						199	
22:30	58		94						152	
22:45	46	235	98	464					144	699
23:00	55		57						112	
23:15	38		74						112	
23:30	38		41						79	
23:45	26	157	59	231					85	388
TOTALS		8175		11430						19605
SPLIT %		41.7%		58.3%						66.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	14,629	14,814	0	0	29,443

AM Peak Hour	07:15	11:30			07:30
AM Pk Volume	1461	843			1882
Pk Hr Factor	0.900	0.893			0.952
7 - 9 Volume	2654	869	0	0	3523
7 - 9 Peak Hour	07:15	08:00			07:30
7 - 9 Pk Volume	1461	488	0	0	1882
Pk Hr Factor	0.900	0.878	0.000	0.000	0.952

PM Peak Hour	12:30	17:00			17:00
PM Pk Volume	960	1709			2649
Pk Hr Factor	0.923	0.956			0.950
4 - 6 Volume	1864	3164	0	0	5028
4 - 6 Peak Hour	16:45	17:00			17:00
4 - 6 Pk Volume	940	1709	0	0	2649
Pk Hr Factor	0.894	0.956	0.000	0.000	0.950

Prepared by NDS/ATD

VOLUME

Texas St 1400 Ft N/O Madison Ave

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_115

DAILY TOTALS	NB	SB	EB	WB	Total
	14,580	14,454	0	0	29,034

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	27		44						71		12:00	185		210						395	
00:15	25		25						50		12:15	195		189						384	
00:30	20		23						43		12:30	238		214						452	
00:45	23	95	28	120					51	215	12:45	212	830	207	820					419	1650
01:00	19		18						37		13:00	227		193						420	
01:15	14		9						23		13:15	223		204						427	
01:30	11		9						20		13:30	209		176						385	
01:45	10	54	11	47					21	101	13:45	224	883	219	792					443	1675
02:00	13		9						22		14:00	230		231						461	
02:15	13		11						24		14:15	245		221						466	
02:30	14		7						21		14:30	242		220						462	
02:45	12	52	6	33					18	85	14:45	191	908	272	944					463	1852
03:00	10		4						14		15:00	217		275						492	
03:15	11		7						18		15:15	259		269						528	
03:30	7		13						20		15:30	271		305						576	
03:45	19	47	4	28					23	75	15:45	212	959	275	1124					487	2083
04:00	10		6						16		16:00	237		325						562	
04:15	10		6						16		16:15	225		353						578	
04:30	25		6						31		16:30	223		327						550	
04:45	31	76	8	26					39	102	16:45	201	886	410	1415					611	2301
05:00	35		9						44		17:00	230		412						642	
05:15	40		14						54		17:15	287		439						726	
05:30	59		13						72		17:30	251		415						666	
05:45	80	214	25	61					105	275	17:45	202	970	441	1707					643	2677
06:00	105		39						144		18:00	227		403						630	
06:15	146		57						203		18:15	223		398						621	
06:30	227		79						306		18:30	210		340						550	
06:45	269	747	75	250					344	997	18:45	208	868	280	1421					488	2289
07:00	248		103						351		19:00	197		258						455	
07:15	312		105						417		19:15	196		273						469	
07:30	376		105						481		19:30	141		227						368	
07:45	393	1329	95	408					488	1737	19:45	139	673	191	949					330	1622
08:00	351		112						463		20:00	113		192						305	
08:15	332		103						435		20:15	122		182						304	
08:30	291		128						419		20:30	115		174						289	
08:45	314	1288	171	514					485	1802	20:45	88	438	160	708					248	1146
09:00	250		143						393		21:00	113		172						285	
09:15	202		118						320		21:15	91		184						275	
09:30	162		125						287		21:30	77		147						224	
09:45	253	867	149	535					402	1402	21:45	75	356	126	629					201	985
10:00	214		124						338		22:00	82		118						200	
10:15	199		117						316		22:15	59		114						173	
10:30	165		150						315		22:30	78		100						178	
10:45	186	764	144	535					330	1299	22:45	64	283	96	428					160	711
11:00	200		164						364		23:00	54		76						130	
11:15	210		172						382		23:15	46		55						101	
11:30	200		198						398		23:30	34		64						98	
11:45	218	828	185	719					403	1547	23:45	31	165	46	241					77	406
TOTALS		6361		3276						9637	TOTALS		8219		11178						19397
SPLIT %		66.0%		34.0%						33.2%	SPLIT %		42.4%		57.6%						66.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	14,580	14,454	0	0	29,034

AM Peak Hour	07:30	11:45			07:30	PM Peak Hour	15:15	17:00			17:00
AM Pk Volume	1452	798			1867	PM Pk Volume	979	1707			2677
Pk Hr Factor	0.924	0.932			0.956	Pk Hr Factor	0.903	0.968			0.922
7 - 9 Volume	2617	922	0	0	3539	4 - 6 Volume	1856	3122	0	0	4978
7 - 9 Peak Hour	07:30	08:00			07:30	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	1452	514	0	0	1867	4 - 6 Pk Volume	970	1707	0	0	2677
Pk Hr Factor	0.924	0.751	0.000	0.000	0.956	Pk Hr Factor	0.845	0.968	0.000	0.000	0.922

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Prepared by NDS/ATD

VOLUME

Texas St Bet. Madison Ave & Meade Ave

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_116

DAILY TOTALS	NB	SB	EB	WB	Total
	8,423	8,630	0	0	17,053

AM Period	NB		SB		EB		WB		TOTAL	
00:00	23		24						47	
00:15	13		15						28	
00:30	13		20						33	
00:45	10	59	11	70					21	129
01:00	14		5						19	
01:15	10		10						20	
01:30	6		10						16	
01:45	6	36	7	32					13	68
02:00	7		6						13	
02:15	8		9						17	
02:30	4		6						10	
02:45	4	23	7	28					11	51
03:00	8		4						12	
03:15	3		6						9	
03:30	5		5						10	
03:45	9	25	2	17					11	42
04:00	4		2						6	
04:15	11		4						15	
04:30	16		8						24	
04:45	9	40	10	24					19	64
05:00	14		8						22	
05:15	26		25						51	
05:30	37		18						55	
05:45	49	126	32	83					81	209
06:00	58		49						107	
06:15	83		35						118	
06:30	102		36						138	
06:45	137	380	63	183					200	563
07:00	123		67						190	
07:15	175		58						233	
07:30	185		62						247	
07:45	222	705	74	261					296	966
08:00	166		53						219	
08:15	183		63						246	
08:30	171		85						256	
08:45	166	686	118	319					284	1005
09:00	145		101						246	
09:15	116		86						202	
09:30	126		114						240	
09:45	134	521	95	396					229	917
10:00	103		87						190	
10:15	114		95						209	
10:30	114		113						227	
10:45	125	456	107	402					232	858
11:00	90		110						200	
11:15	102		112						214	
11:30	132		112						244	
11:45	147	471	127	461					274	932
TOTALS		3528		2276						**5804**
SPLIT %		60.8%		39.2%						**34.0%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00	144		125						269	
12:15	144		163						307	
12:30	122		112						234	
12:45	150	560	143	543					293	1103
13:00	145		126						271	
13:15	162		118						280	
13:30	116		144						260	
13:45	113	536	149	537					262	1073
14:00	107		128						235	
14:15	149		143						292	
14:30	94		152						246	
14:45	127	477	131	554					258	1031
15:00	120		133						253	
15:15	126		157						283	
15:30	158		182						340	
15:45	153	557	181	653					334	1210
16:00	119		220						339	
16:15	132		174						306	
16:30	137		198						335	
16:45	141	529	230	822					371	1351
17:00	123		224						347	
17:15	128		216						344	
17:30	163		213						376	
17:45	154	568	225	878					379	1446
18:00	131		203						334	
18:15	122		172						294	
18:30	116		200						316	
18:45	115	484	147	722					262	1206
19:00	105		152						257	
19:15	107		162						269	
19:30	84		157						241	
19:45	90	386	134	605					224	991
20:00	84		119						203	
20:15	73		93						166	
20:30	60		104						164	
20:45	52	269	104	420					156	689
21:00	81		96						177	
21:15	65		85						150	
21:30	50		60						110	
21:45	51	247	76	317					127	564
22:00	55		60						115	
22:15	39		46						85	
22:30	40		41						81	
22:45	34	168	42	189					76	357
23:00	29		47						76	
23:15	31		30						61	
23:30	27		19						46	
23:45	27	114	18	114					45	228
TOTALS		4895		6354						**11249**
SPLIT %		43.5%		56.5%						**66.0%**

DAILY TOTALS	NB	SB	EB	WB	Total
	8,423	8,630	0	0	17,053

AM Peak Hour	07:30	11:30			**11:30**
AM Pk Volume	756	527			**1094**
Pk Hr Factor	0.851	0.808			**0.891**
7 - 9 Volume	1391	580	0	0	**1971**
7 - 9 Peak Hour	07:30	08:00			**07:45**
7 - 9 Pk Volume	756	319	0	0	**1017**
Pk Hr Factor	0.851	0.676	0.000	0.000	**0.859**

PM Peak Hour	12:30	16:45			**17:00**
PM Pk Volume	579	883			**1446**
Pk Hr Factor	0.894	0.960			**0.954**
4 - 6 Volume	1097	1700	0	0	**2797**
4 - 6 Peak Hour	17:00	16:45			**17:00**
4 - 6 Pk Volume	568	883	0	0	**1446**
Pk Hr Factor	0.871	0.960	0.000	0.000	**0.954**

Prepared by NDS/ATD

VOLUME

Texas St Bet. Madison Ave & Meade Ave

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_116

DAILY TOTALS	NB	SB	EB	WB	Total
	8,332	8,789	0	0	17,121

AM Period	NB		SB		EB		WB		TOTAL	
00:00	21		15						36	
00:15	19		18						37	
00:30	15		16						31	
00:45	16	71	8	57					24	128
01:00	16		10						26	
01:15	8		7						15	
01:30	8		2						10	
01:45	13	45	10	29					23	74
02:00	10		9						19	
02:15	10		5						15	
02:30	12		5						17	
02:45	6	38	9	28					15	66
03:00	6		3						9	
03:15	6		5						11	
03:30	5		6						11	
03:45	9	26	6	20					15	46
04:00	8		3						11	
04:15	7		7						14	
04:30	16		8						24	
04:45	16	47	10	28					26	75
05:00	25		8						33	
05:15	19		23						42	
05:30	29		24						53	
05:45	41	114	31	86					72	200
06:00	60		42						102	
06:15	75		45						120	
06:30	117		51						168	
06:45	130	382	56	194					186	576
07:00	153		54						207	
07:15	158		59						217	
07:30	212		66						278	
07:45	189	712	68	247					257	959
08:00	190		72						262	
08:15	173		86						259	
08:30	158		93						251	
08:45	151	672	101	352					252	1024
09:00	130		103						233	
09:15	103		100						203	
09:30	113		87						200	
09:45	128	474	88	378					216	852
10:00	125		83						208	
10:15	101		108						209	
10:30	101		82						183	
10:45	110	437	112	385					222	822
11:00	103		122						225	
11:15	126		123						249	
11:30	121		122						243	
11:45	122	472	157	524					279	996
TOTALS		3490		2328						5818
SPLIT %		60.0%		40.0%						34.0%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	111		127						238	
12:15	118		138						256	
12:30	138		139						277	
12:45	124	491	141	545					265	1036
13:00	131		122						253	
13:15	150		134						284	
13:30	125		139						264	
13:45	148	554	146	541					294	1095
14:00	131		119						250	
14:15	107		135						242	
14:30	126		123						249	
14:45	132	496	161	538					293	1034
15:00	128		183						311	
15:15	151		184						335	
15:30	150		164						314	
15:45	128	557	172	703					300	1260
16:00	132		196						328	
16:15	141		178						319	
16:30	137		222						359	
16:45	123	533	192	788					315	1321
17:00	121		237						358	
17:15	157		201						358	
17:30	143		221						364	
17:45	114	535	234	893					348	1428
18:00	132		198						330	
18:15	121		187						308	
18:30	123		187						310	
18:45	135	511	164	736					299	1247
19:00	110		178						288	
19:15	105		132						237	
19:30	79		139						218	
19:45	92	386	130	579					222	965
20:00	76		137						213	
20:15	62		104						166	
20:30	70		109						179	
20:45	51	259	87	437					138	696
21:00	75		107						182	
21:15	52		89						141	
21:30	50		71						121	
21:45	44	221	68	335					112	556
22:00	61		64						125	
22:15	43		58						101	
22:30	52		42						94	
22:45	37	193	42	206					79	399
23:00	34		51						85	
23:15	26		44						70	
23:30	22		39						61	
23:45	24	106	26	160					50	266
TOTALS		4842		6461						11303
SPLIT %		42.8%		57.2%						66.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	8,332	8,789	0	0	17,121

AM Peak Hour	07:30	11:45			07:30
AM Pk Volume	764	561			1056
Pk Hr Factor	0.901	0.893			0.950
7 - 9 Volume	1384	599	0	0	1983
7 - 9 Peak Hour	07:30	08:00			07:30
7 - 9 Pk Volume	764	352	0	0	1056
Pk Hr Factor	0.901	0.871	0.000	0.000	0.950

PM Peak Hour	14:45	17:00			17:00
PM Pk Volume	561	893			1428
Pk Hr Factor	0.929	0.942			0.981
4 - 6 Volume	1068	1681	0	0	2749
4 - 6 Peak Hour	16:45	17:00			17:00
4 - 6 Pk Volume	544	893	0	0	1428
Pk Hr Factor	0.866	0.942	0.000	0.000	0.981

Prepared by NDS/ATD

VOLUME

Texas St Bet. Meade Ave & El Cajon Blvd

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_117

DAILY TOTALS	NB	SB	EB	WB	Total
	6,809	7,556	0	0	14,365

AM Period	NB		SB		EB		WB		TOTAL	
00:00	19		18						37	
00:15	11		22						33	
00:30	8		18						26	
00:45	9	47	10	68					19	115
01:00	13		6						19	
01:15	8		14						22	
01:30	6		2						8	
01:45	5	32	12	34					17	66
02:00	8		6						14	
02:15	9		15						24	
02:30	4		4						8	
02:45	2	23	8	33					10	56
03:00	6		6						12	
03:15	4		4						8	
03:30	4		5						9	
03:45	3	17	4	19					7	36
04:00	5		7						12	
04:15	7		2						9	
04:30	11		9						20	
04:45	5	28	7	25					12	53
05:00	10		13						23	
05:15	18		13						31	
05:30	25		24						49	
05:45	35	88	28	78					63	166
06:00	39		32						71	
06:15	66		42						108	
06:30	63		43						106	
06:45	92	260	51	168					143	428
07:00	89		56						145	
07:15	111		50						161	
07:30	145		53						198	
07:45	133	478	68	227					201	705
08:00	121		69						190	
08:15	134		64						198	
08:30	132		73						205	
08:45	130	517	99	305					229	822
09:00	113		88						201	
09:15	99		97						196	
09:30	105		74						179	
09:45	107	424	81	340					188	764
10:00	83		82						165	
10:15	84		97						181	
10:30	90		96						186	
10:45	106	363	83	358					189	721
11:00	72		84						156	
11:15	86		102						188	
11:30	103		113						216	
11:45	128	389	121	420					249	809
TOTALS		2666		2075						4741
SPLIT %		56.2%		43.8%						33.0%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	106		123						229	
12:15	110		113						223	
12:30	103		106						209	
12:45	136	455	111	453					247	908
13:00	109		107						216	
13:15	132		124						256	
13:30	99		115						214	
13:45	90	430	110	456					200	886
14:00	94		106						200	
14:15	115		119						234	
14:30	72		113						185	
14:45	119	400	130	468					249	868
15:00	102		109						211	
15:15	111		128						239	
15:30	115		142						257	
15:45	131	459	126	505					257	964
16:00	112		154						266	
16:15	129		171						300	
16:30	116		170						286	
16:45	111	468	154	649					265	1117
17:00	117		193						310	
17:15	107		177						284	
17:30	152		175						327	
17:45	122	498	177	722					299	1220
18:00	108		200						308	
18:15	111		166						277	
18:30	92		150						242	
18:45	101	412	148	664					249	1076
19:00	92		133						225	
19:15	91		125						216	
19:30	86		103						189	
19:45	65	334	99	460					164	794
20:00	65		112						177	
20:15	59		96						155	
20:30	52		102						154	
20:45	57	233	86	396					143	629
21:00	64		90						154	
21:15	64		63						127	
21:30	46		82						128	
21:45	44	218	75	310					119	528
22:00	43		70						113	
22:15	29		73						102	
22:30	35		64						99	
22:45	35	142	48	255					83	397
23:00	22		44						66	
23:15	32		50						82	
23:30	22		22						44	
23:45	18	94	27	143					45	237
TOTALS		4143		5481						9624
SPLIT %		43.0%		57.0%						67.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	6,809	7,556	0	0	14,365

AM Peak Hour	07:30	11:30			11:30	PM Peak Hour	17:00	17:15			17:00
AM Pk Volume	533	470			917	PM Pk Volume	498	729			1220
Pk Hr Factor	0.919	0.955			0.921	Pk Hr Factor	0.819	0.911			0.933
7 - 9 Volume	995	532	0	0	1527	4 - 6 Volume	966	1371	0	0	2337
7 - 9 Peak Hour	07:30	08:00			08:00	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	533	305	0	0	822	4 - 6 Pk Volume	498	722	0	0	1220
Pk Hr Factor	0.919	0.770	0.000	0.000	0.897	Pk Hr Factor	0.819	0.935	0.000	0.000	0.933

Prepared by NDS/ATD

VOLUME

Texas St Bet. Meade Ave & El Cajon Blvd

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_117

DAILY TOTALS	NB	SB	EB	WB	Total
	6,856	7,404	0	0	14,260

AM Period	NB		SB		EB		WB		TOTAL	
00:00	18		29						47	
00:15	24		19						43	
00:30	12		22						34	
00:45	17	71	18	88					35	159
01:00	14		9						23	
01:15	7		9						16	
01:30	13		10						23	
01:45	11	45	10	38					21	83
02:00	12		4						16	
02:15	10		7						17	
02:30	8		8						16	
02:45	3	33	7	26					10	59
03:00	7		5						12	
03:15	4		4						8	
03:30	3		6						9	
03:45	4	18	8	23					12	41
04:00	7		5						12	
04:15	4		5						9	
04:30	15		7						22	
04:45	7	33	10	27					17	60
05:00	13		13						26	
05:15	17		15						32	
05:30	18		13						31	
05:45	36	84	22	63					58	147
06:00	41		30						71	
06:15	54		44						98	
06:30	80		46						126	
06:45	93	268	45	165					138	433
07:00	94		55						149	
07:15	124		62						186	
07:30	137		51						188	
07:45	143	498	64	232					207	730
08:00	119		64						183	
08:15	141		70						211	
08:30	111		83						194	
08:45	115	486	99	316					214	802
09:00	103		77						180	
09:15	81		77						158	
09:30	98		67						165	
09:45	99	381	82	303					181	684
10:00	102		71						173	
10:15	77		57						134	
10:30	85		77						162	
10:45	85	349	95	300					180	649
11:00	86		112						198	
11:15	106		89						195	
11:30	97		114						211	
11:45	94	383	102	417					196	800
TOTALS		2649		1998						4647
SPLIT %		57.0%		43.0%						32.6%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	87		114						201	
12:15	106		109						215	
12:30	112		114						226	
12:45	109	414	122	459					231	873
13:00	107		114						221	
13:15	131		100						231	
13:30	118		89						207	
13:45	120	476	104	407					224	883
14:00	112		112						224	
14:15	92		122						214	
14:30	106		113						219	
14:45	106	416	130	477					236	893
15:00	101		137						238	
15:15	118		148						266	
15:30	117		154						271	
15:45	113	449	142	581					255	1030
16:00	107		150						257	
16:15	112		158						270	
16:30	131		144						275	
16:45	113	463	180	632					293	1095
17:00	116		174						290	
17:15	115		183						298	
17:30	146		187						333	
17:45	107	484	185	729					292	1213
18:00	110		188						298	
18:15	99		200						299	
18:30	102		152						254	
18:45	115	426	106	646					221	1072
19:00	104		124						228	
19:15	90		139						229	
19:30	75		121						196	
19:45	80	349	105	489					185	838
20:00	72		88						160	
20:15	60		89						149	
20:30	58		81						139	
20:45	47	237	99	357					146	594
21:00	70		75						145	
21:15	44		83						127	
21:30	48		68						116	
21:45	41	203	60	286					101	489
22:00	58		57						115	
22:15	40		57						97	
22:30	44		44						88	
22:45	37	179	53	211					90	390
23:00	37		36						73	
23:15	30		33						63	
23:30	19		32						51	
23:45	25	111	31	132					56	243
TOTALS		4207		5406						9613
SPLIT %		43.8%		56.2%						67.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	6,856	7,404	0	0	14,260

AM Peak Hour	07:30	11:30			11:45
AM Pk Volume	540	439			838
Pk Hr Factor	0.944	0.963			0.927
7 - 9 Volume	984	548	0	0	1532
7 - 9 Peak Hour	07:30	08:00			08:00
7 - 9 Pk Volume	540	316	0	0	802
Pk Hr Factor	0.944	0.798	0.000	0.000	0.937

PM Peak Hour	16:45	17:30			17:30
PM Pk Volume	490	760			1222
Pk Hr Factor	0.839	0.950			0.917
4 - 6 Volume	947	1361	0	0	2308
4 - 6 Peak Hour	16:45	17:00			16:45
4 - 6 Pk Volume	490	729	0	0	1214
Pk Hr Factor	0.839	0.975	0.000	0.000	0.911

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

River Run Drive, From Friars Road to Rio San Diego Drive

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	2		8					12:00	29		31				
00:15	3		8					12:15	44		35				
00:30	5		7					12:30	33		38				
00:45	1	11	2	25			36	12:45	48	154	44	148			302
01:00	3		6					13:00	25		44				
01:15	1		1					13:15	28		34				
01:30	1		1					13:30	34		30				
01:45	1	6	3	11			17	13:45	26	113	33	141			254
02:00	1		2					14:00	17		28				
02:15	1		1					14:15	22		28				
02:30	1		3					14:30	13		29				
02:45	3	6	2	8			14	14:45	27	79	26	111			190
03:00	1		0					15:00	28		33				
03:15	1		0					15:15	27		32				
03:30	0		0					15:30	31		42				
03:45	2	4	0	0			4	15:45	40	126	20	127			253
04:00	0		1					16:00	48		31				
04:15	0		1					16:15	33		30				
04:30	5		1					16:30	44		28				
04:45	5	10	3	6			16	16:45	39	164	34	123			287
05:00	8		2					17:00	41		40				
05:15	10		2					17:15	39		35				
05:30	8		10					17:30	29		49				
05:45	10	36	10	24			60	17:45	33	142	40	164			306
06:00	13		15					18:00	31		35				
06:15	17		21					18:15	39		42				
06:30	16		15					18:30	27		43				
06:45	31	77	21	72			149	18:45	27	124	42	162			286
07:00	33		38					19:00	20		21				
07:15	43		35					19:15	14		30				
07:30	42		44					19:30	17		39				
07:45	62	180	51	168			348	19:45	22	73	30	120			193
08:00	60		58					20:00	17		30				
08:15	50		42					20:15	19		21				
08:30	44		48					20:30	10		30				
08:45	31	185	36	184			369	20:45	4	50	19	100			150
09:00	70		29					21:00	10		17				
09:15	49		34					21:15	9		24				
09:30	44		29					21:30	11		22				
09:45	38	201	32	124			325	21:45	9	39	17	80			119
10:00	23		25					22:00	4		24				
10:15	17		20					22:15	11		19				
10:30	22		23					22:30	8		12				
10:45	24	86	29	97			183	22:45	4	27	16	71			98
11:00	18		12					23:00	5		9				
11:15	17		20					23:15	3		8				
11:30	23		20					23:30	5		8				
11:45	25	83	26	78			161	23:45	4	17	4	29			46
Total Vol.		885		797			**1682**		1108		1376				**2484**

Daily Totals

NB	SB	EB	WB	**Combined**
1993	2173			**4166**

	AM			**PM**		
Split %	52.6%	47.4%	**40.4%**	44.6%	55.4%	**59.6%**
Peak Hour	07:45	07:45	**07:45**	15:45	17:30	**12:15**
Volume	216	199	**415**	165	166	**311**
P.H.F.	0.87	0.86	**0.88**	0.80	0.85	**0.85**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

River Run Drive, From Friars Road to Rio San Diego Drive

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	3		6					12:00	28		31				
00:15	4		9					12:15	20		25				
00:30	6		7					12:30	32		33				
00:45	3	16	7	29			45	12:45	22	102	31	120			222
01:00	3		1					13:00	21		40				
01:15	0		2					13:15	27		25				
01:30	1		0					13:30	17		27				
01:45	0	4	1	4			8	13:45	26	91	30	122			213
02:00	0		0					14:00	27		21				
02:15	0		3					14:15	35		40				
02:30	4		1					14:30	12		28				
02:45	3	7	1	5			12	14:45	27	101	33	122			223
03:00	0		0					15:00	26		38				
03:15	1		0					15:15	28		38				
03:30	1		1					15:30	24		27				
03:45	0	2	1	2			4	15:45	28	106	39	142			248
04:00	1		0					16:00	28		25				
04:15	1		1					16:15	42		36				
04:30	6		0					16:30	34		31				
04:45	4	12	2	3			15	16:45	35	139	41	133			272
05:00	3		3					17:00	28		43				
05:15	9		1					17:15	62		42				
05:30	12		5					17:30	33		41				
05:45	6	30	10	19			49	17:45	27	150	47	173			323
06:00	11		20					18:00	29		35				
06:15	19		24					18:15	28		37				
06:30	15		12					18:30	27		39				
06:45	16	61	15	71			132	18:45	29	113	36	147			260
07:00	40		29					19:00	26		30				
07:15	54		20					19:15	14		36				
07:30	45		33					19:30	17		42				
07:45	64	203	32	114			317	19:45	14	71	31	139			210
08:00	74		48					20:00	19		17				
08:15	42		38					20:15	11		20				
08:30	27		40					20:30	16		36				
08:45	25	168	30	156			324	20:45	3	49	28	101			150
09:00	31		40					21:00	13		13				
09:15	30		40					21:15	14		21				
09:30	20		24					21:30	12		8				
09:45	24	105	30	134			239	21:45	19	58	15	57			115
10:00	29		20					22:00	20		5				
10:15	23		24					22:15	4		19				
10:30	21		15					22:30	9		19				
10:45	23	96	26	85			181	22:45	6	39	8	51			90
11:00	22		23					23:00	7		11				
11:15	17		22					23:15	10		4				
11:30	20		19					23:30	7		13				
11:45	23	82	29	93			175	23:45	2	26	12	40			66
Total Vol.		786		715			**1501**			1045		1347			**2392**

Daily Totals

NB	SB	EB	WB	**Combined**
1831	2062			**3893**

	AM			**PM**		
Split %	52.4%	47.6%	**38.6%**	43.7%	56.3%	**61.4%**
Peak Hour	07:15	07:45	**07:30**	16:30	17:00	**16:45**
Volume	237	158	**376**	159	173	**325**
P.H.F.	0.80	0.82	**0.77**	0.89	0.92	**0.78**

Prepared by NDS/ATD

VOLUME

Fenton Pkwy Bet. Portofino Dwy & Friars Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_119

DAILY TOTALS	NB	SB	EB	WB	Total
	2,051	2,043	0	0	4,094

AM Period	NB		SB		EB		WB		TOTAL	
00:00	9		5						14	
00:15	9		3						12	
00:30	4		4						8	
00:45	4	26	6	18					10	44
01:00	5		3						8	
01:15	1		0						1	
01:30	1		0						1	
01:45	4	11	2	5					6	16
02:00	3		2						5	
02:15	0		0						0	
02:30	0		1						1	
02:45	2	5	2	5					4	10
03:00	0		0						0	
03:15	2		0						2	
03:30	1		1						2	
03:45	0	3	3	4					3	7
04:00	0		2						2	
04:15	0		2						2	
04:30	1		5						6	
04:45	2	3	11	20					13	23
05:00	2		7						9	
05:15	2		7						9	
05:30	3		11						14	
05:45	3	10	22	47					25	57
06:00	6		24						30	
06:15	4		24						28	
06:30	3		38						41	
06:45	7	20	41	127					48	147
07:00	10		47						57	
07:15	12		54						66	
07:30	11		67						78	
07:45	16	49	66	234					82	283
08:00	21		68						89	
08:15	10		50						60	
08:30	15		54						69	
08:45	18	64	43	215					61	279
09:00	23		34						57	
09:15	20		35						55	
09:30	24		43						67	
09:45	20	87	29	141					49	228
10:00	15		34						49	
10:15	12		26						38	
10:30	15		25						40	
10:45	25	67	21	106					46	173
11:00	10		32						42	
11:15	16		21						37	
11:30	18		28						46	
11:45	17	61	23	104					40	165
TOTALS		406		1026						1432
SPLIT %		28.4%		71.6%						35.0%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	25		22						47	
12:15	39		29						68	
12:30	27		26						53	
12:45	26	117	33	110					59	227
13:00	24		16						40	
13:15	29		14						43	
13:30	29		22						51	
13:45	19	101	25	77					44	178
14:00	24		29						53	
14:15	20		24						44	
14:30	25		41						66	
14:45	28	97	24	118					52	215
15:00	29		18						47	
15:15	31		26						57	
15:30	33		24						57	
15:45	40	133	21	89					61	222
16:00	43		34						77	
16:15	49		26						75	
16:30	49		27						76	
16:45	51	192	31	118					82	310
17:00	48		32						80	
17:15	74		36						110	
17:30	62		25						87	
17:45	48	232	24	117					72	349
18:00	51		25						76	
18:15	59		35						94	
18:30	49		20						69	
18:45	46	205	31	111					77	316
19:00	48		18						66	
19:15	38		24						62	
19:30	46		16						62	
19:45	46	178	17	75					63	253
20:00	48		24						72	
20:15	43		27						70	
20:30	43		13						56	
20:45	22	156	13	77					35	233
21:00	31		12						43	
21:15	34		14						48	
21:30	22		11						33	
21:45	23	110	6	43					29	153
22:00	21		13						34	
22:15	18		22						40	
22:30	16		6						22	
22:45	13	68	9	50					22	118
23:00	13		14						27	
23:15	20		5						25	
23:30	10		7						17	
23:45	13	56	6	32					19	88
TOTALS		1645		1017						2662
SPLIT %		61.8%		38.2%						65.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,051	2,043	0	0	4,094

AM Peak Hour	11:45	07:15			07:15	PM Peak Hour	16:45	16:30			16:45
AM Pk Volume	108	255			315	PM Pk Volume	235	126			359
Pk Hr Factor	0.692	0.938			0.885	Pk Hr Factor	0.794	0.875			0.816
7 - 9 Volume	113	449	0	0	562	4 - 6 Volume	424	235	0	0	659
7 - 9 Peak Hour	08:00	07:15			07:15	4 - 6 Peak Hour	16:45	16:30			16:45
7 - 9 Pk Volume	64	255	0	0	315	4 - 6 Pk Volume	235	126	0	0	359
Pk Hr Factor	0.762	0.938	0.000	0.000	0.885	Pk Hr Factor	0.794	0.875	0.000	0.000	0.816

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Prepared by NDS/ATD

VOLUME

Fenton Pkwy Bet. Portofino Dwy & Friars Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_119

DAILY TOTALS	NB	SB	EB	WB	Total
	2,043	2,092	0	0	4,135

AM Period	NB		SB		EB		WB		TOTAL	
00:00	4		3						7	
00:15	9		4						13	
00:30	5		5						10	
00:45	6	24	6	18					12	42
01:00	8		1						9	
01:15	3		4						7	
01:30	3		2						5	
01:45	2	16	0	7					2	23
02:00	3		1						4	
02:15	2		3						5	
02:30	2		0						2	
02:45	1	8	3	7					4	15
03:00	0		1						1	
03:15	0		3						3	
03:30	1		1						2	
03:45	1	2	2	7					3	9
04:00	1		0						1	
04:15	0		1						1	
04:30	1		4						5	
04:45	0	2	4	9					4	11
05:00	4		9						13	
05:15	2		12						14	
05:30	2		12						14	
05:45	1	9	18	51					19	60
06:00	3		17						20	
06:15	4		29						33	
06:30	8		34						42	
06:45	8	23	44	124					52	147
07:00	8		42						50	
07:15	5		65						70	
07:30	8		68						76	
07:45	11	32	68	243					79	275
08:00	7		65						72	
08:15	15		56						71	
08:30	6		62						68	
08:45	16	44	39	222					55	266
09:00	20		31						51	
09:15	15		33						48	
09:30	17		29						46	
09:45	23	75	24	117					47	192
10:00	19		40						59	
10:15	24		24						48	
10:30	16		29						45	
10:45	21	80	24	117					45	197
11:00	18		27						45	
11:15	23		35						58	
11:30	22		22						44	
11:45	24	87	34	118					58	205
TOTALS		402		1040						**1442**
SPLIT %		27.9%		72.1%						**34.9%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00	24		32						56	
12:15	29		22						51	
12:30	25		25						50	
12:45	30	108	29	108					59	216
13:00	27		37						64	
13:15	32		31						63	
13:30	28		25						53	
13:45	29	116	28	121					57	237
14:00	21		29						50	
14:15	22		27						49	
14:30	37		31						68	
14:45	28	108	21	108					49	216
15:00	31		23						54	
15:15	38		29						67	
15:30	33		30						63	
15:45	45	147	26	108					71	255
16:00	36		27						63	
16:15	35		23						58	
16:30	54		21						75	
16:45	37	162	22	93					59	255
17:00	60		24						84	
17:15	53		27						80	
17:30	61		33						94	
17:45	71	245	29	113					100	358
18:00	59		28						87	
18:15	41		33						74	
18:30	55		33						88	
18:45	44	199	18	112					62	311
19:00	41		25						66	
19:15	51		21						72	
19:30	40		16						56	
19:45	49	181	31	93					80	274
20:00	41		20						61	
20:15	29		21						50	
20:30	41		26						67	
20:45	44	155	14	81					58	236
21:00	41		14						55	
21:15	26		10						36	
21:30	23		21						44	
21:45	20	110	8	53					28	163
22:00	20		8						28	
22:15	17		5						22	
22:30	17		6						23	
22:45	12	66	13	32					25	98
23:00	13		8						21	
23:15	11		7						18	
23:30	7		9						16	
23:45	13	44	6	30					19	74
TOTALS		1641		1052						**2693**
SPLIT %		60.9%		39.1%						**65.1%**

DAILY TOTALS	NB	SB	EB	WB	Total
	2,043	2,092	0	0	4,135

AM Peak Hour	11:45	07:15			**07:30**
AM Pk Volume	102	266			**298**
Pk Hr Factor	0.879	0.978			**0.943**
7 - 9 Volume	76	465	0	0	**541**
7 - 9 Peak Hour	08:00	07:15			**07:30**
7 - 9 Pk Volume	44	266	0	0	**298**
Pk Hr Factor	0.688	0.978	0.000	0.000	**0.943**

PM Peak Hour	17:00	17:30			**17:15**
PM Pk Volume	245	123			**361**
Pk Hr Factor	0.863	0.932			**0.903**
4 - 6 Volume	407	206	0	0	**613**
4 - 6 Peak Hour	17:00	17:00			**17:00**
4 - 6 Pk Volume	245	113	0	0	**358**
Pk Hr Factor	0.863	0.856	0.000	0.000	**0.895**

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Prepared by NDS/ATD

VOLUME

Fenton Pkwy Bet. Friars Rd & Rio San Diego Dr/Fenton Marketplace Dwy

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_120

DAILY TOTALS	NB	SB	EB	WB	Total
	5,763	6,940	0	0	12,703

AM Period	NB		SB		EB		WB		TOTAL	
00:00	8		10						18	
00:15	11		6						17	
00:30	1		5						6	
00:45	2	22	2	23					4	45
01:00	6		4						10	
01:15	3		3						6	
01:30	1		1						2	
01:45	3	13	3	11					6	24
02:00	3		3						6	
02:15	0		1						1	
02:30	1		5						6	
02:45	0	4	5	14					5	18
03:00	1		1						2	
03:15	1		4						5	
03:30	4		1						5	
03:45	3	9	6	12					9	21
04:00	2		7						9	
04:15	3		5						8	
04:30	4		1						5	
04:45	9	18	4	17					13	35
05:00	11		7						18	
05:15	11		6						17	
05:30	27		16						43	
05:45	26	75	17	46					43	121
06:00	25		15						40	
06:15	34		19						53	
06:30	38		27						65	
06:45	37	134	40	101					77	235
07:00	41		33						74	
07:15	66		42						108	
07:30	73		62						135	
07:45	61	241	62	199					123	440
08:00	51		59						110	
08:15	64		66						130	
08:30	60		44						104	
08:45	67	242	62	231					129	473
09:00	47		70						117	
09:15	51		85						136	
09:30	60		83						143	
09:45	55	213	118	356					173	569
10:00	79		102						181	
10:15	68		117						185	
10:30	93		130						223	
10:45	95	335	119	468					214	803
11:00	75		125						200	
11:15	99		147						246	
11:30	107		144						251	
11:45	113	394	152	568					265	962
TOTALS		1700		2046						3746
SPLIT %		45.4%		54.6%						29.5%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	124		156						280	
12:15	121		155						276	
12:30	152		149						301	
12:45	112	509	129	589					241	1098
13:00	106		152						258	
13:15	127		133						260	
13:30	110		113						223	
13:45	113	456	114	512					227	968
14:00	108		132						240	
14:15	110		130						240	
14:30	93		125						218	
14:45	106	417	133	520					239	937
15:00	105		158						263	
15:15	96		132						228	
15:30	100		145						245	
15:45	94	395	150	585					244	980
16:00	116		163						279	
16:15	101		124						225	
16:30	100		112						212	
16:45	110	427	147	546					257	973
17:00	134		160						294	
17:15	122		178						300	
17:30	92		143						235	
17:45	125	473	134	615					259	1088
18:00	113		145						258	
18:15	102		160						262	
18:30	119		162						281	
18:45	102	436	122	589					224	1025
19:00	103		154						257	
19:15	102		122						224	
19:30	85		101						186	
19:45	82	372	107	484					189	856
20:00	103		89						192	
20:15	84		58						142	
20:30	66		42						108	
20:45	51	304	47	236					98	540
21:00	53		34						87	
21:15	41		28						69	
21:30	37		35						72	
21:45	35	166	6	103					41	269
22:00	19		24						43	
22:15	22		16						38	
22:30	10		11						21	
22:45	11	62	16	67					27	129
23:00	18		9						27	
23:15	12		15						27	
23:30	7		12						19	
23:45	9	46	12	48					21	94
TOTALS		4063		4894						8957
SPLIT %		45.4%		54.6%						70.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,763	6,940	0	0	12,703

AM Peak Hour	11:45	11:45			11:45
AM Pk Volume	510	612			1122
Pk Hr Factor	0.839	0.981			0.932
7 - 9 Volume	483	430	0	0	913
7 - 9 Peak Hour	07:15	07:30			07:30
7 - 9 Pk Volume	251	249	0	0	498
Pk Hr Factor	0.860	0.943	0.000	0.000	0.922

PM Peak Hour	12:00	16:45			12:00
PM Pk Volume	509	628			1098
Pk Hr Factor	0.837	0.882			0.912
4 - 6 Volume	900	1161	0	0	2061
4 - 6 Peak Hour	17:00	16:45			17:00
4 - 6 Pk Volume	473	628	0	0	1088
Pk Hr Factor	0.882	0.882	0.000	0.000	0.907

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Prepared by NDS/ATD

VOLUME

Fenton Pkwy Bet. Friars Rd & Rio San Diego Dr/Fenton Marketplace Dwy

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_120

DAILY TOTALS	NB	SB	EB	WB	Total
	5,802	6,719	0	0	12,521

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	6		7				13		12:00	114		130				244	
00:15	5		3				8		12:15	104		176				280	
00:30	6		5				11		12:30	126		139				265	
00:45	4	21	7	22			11	43	12:45	124	468	164	609			288	1077
01:00	4		4				8		13:00	133		135				268	
01:15	3		4				7		13:15	105		151				256	
01:30	1		4				5		13:30	120		133				253	
01:45	2	10	2	14			4	24	13:45	124	482	112	531			236	1013
02:00	4		5				9		14:00	120		116				236	
02:15	0		3				3		14:15	106		136				242	
02:30	4		7				11		14:30	83		123				206	
02:45	3	11	5	20			8	31	14:45	119	428	134	509			253	937
03:00	2		4				6		15:00	114		122				236	
03:15	3		3				6		15:15	110		111				221	
03:30	2		2				4		15:30	119		103				222	
03:45	3	10	2	11			5	21	15:45	86	429	153	489			239	918
04:00	2		9				11		16:00	106		125				231	
04:15	6		7				13		16:15	113		181				294	
04:30	6		0				6		16:30	134		125				259	
04:45	7	21	8	24			15	45	16:45	124	477	130	561			254	1038
05:00	13		8				21		17:00	125		132				257	
05:15	12		2				14		17:15	118		154				272	
05:30	28		11				39		17:30	97		165				262	
05:45	27	80	22	43			49	123	17:45	107	447	158	609			265	1056
06:00	33		15				48		18:00	107		138				245	
06:15	30		18				48		18:15	92		135				227	
06:30	37		28				65		18:30	112		132				244	
06:45	41	141	33	94			74	235	18:45	102	413	117	522			219	935
07:00	34		47				81		19:00	102		106				208	
07:15	53		63				116		19:15	72		89				161	
07:30	63		46				109		19:30	86		80				166	
07:45	60	210	57	213			117	423	19:45	84	344	86	361			170	705
08:00	43		73				116		20:00	92		67				159	
08:15	71		58				129		20:15	74		64				138	
08:30	54		63				117		20:30	85		51				136	
08:45	52	220	77	271			129	491	20:45	85	336	34	216			119	552
09:00	60		61				121		21:00	54		45				99	
09:15	59		61				120		21:15	54		37				91	
09:30	69		92				161		21:30	35		29				64	
09:45	67	255	92	306			159	561	21:45	19	162	28	139			47	301
10:00	53		96				149		22:00	23		14				37	
10:15	63		137				200		22:15	19		13				32	
10:30	66		110				176		22:30	22		21				43	
10:45	100	282	136	479			236	761	22:45	24	88	17	65			41	153
11:00	88		119				207		23:00	9		10				19	
11:15	93		159				252		23:15	8		8				16	
11:30	111		148				259		23:30	15		23				38	
11:45	123	415	132	558			255	973	23:45	20	52	12	53			32	105
TOTALS		1676		2055				3731	TOTALS		4126		4664				8790
SPLIT %		44.9%		55.1%				29.8%	SPLIT %		46.9%		53.1%				70.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	5,802	6,719	0	0	12,521

AM Peak Hour	11:45	11:30			11:45	PM Peak Hour	16:30	17:15			12:15
AM Pk Volume	467	586			1044	PM Pk Volume	501	615			1101
Pk Hr Factor	0.927	0.832			0.932	Pk Hr Factor	0.935	0.932			0.956
7 - 9 Volume	430	484	0	0	914	4 - 6 Volume	924	1170	0	0	2094
7 - 9 Peak Hour	07:30	08:00			08:00	4 - 6 Peak Hour	16:30	17:00			16:15
7 - 9 Pk Volume	237	271	0	0	491	4 - 6 Pk Volume	501	609	0	0	1064
Pk Hr Factor	0.835	0.880	0.000	0.000	0.952	Pk Hr Factor	0.935	0.923	0.000	0.000	0.905

Prepared by NDS/ATD

VOLUME

Fenton Pkwy Bet. Rio San Diego Dr/Fenton Marketplace Dwy & Del Rio Apartment Dwy

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_121

DAILY TOTALS	NB	SB	EB	WB	Total
	2,885	2,663	0	0	5,548

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	11		13						24		12:00	68		56						124	
00:15	9		4						13		12:15	70		78						148	
00:30	0		3						3		12:30	71		68						139	
00:45	2	22	2	22					4	44	12:45	73	282	63	265					136	547
01:00	1		1						2		13:00	73		57						130	
01:15	2		3						5		13:15	70		67						137	
01:30	0		1						1		13:30	53		44						97	
01:45	0	3	1	6					1	9	13:45	55	251	58	226					113	477
02:00	1		2						3		14:00	54		54						108	
02:15	0		1						1		14:15	47		62						109	
02:30	1		1						2		14:30	46		59						105	
02:45	0	2	7	11					7	13	14:45	51	198	49	224					100	422
03:00	1		1						2		15:00	59		58						117	
03:15	0		0						0		15:15	51		55						106	
03:30	2		0						2		15:30	45		54						99	
03:45	2	5	1	2					3	7	15:45	45	200	54	221					99	421
04:00	1		0						1		16:00	64		52						116	
04:15	3		3						6		16:15	57		55						112	
04:30	1		1						2		16:30	43		45						88	
04:45	4	9	2	6					6	15	16:45	55	219	52	204					107	423
05:00	6		5						11		17:00	78		63						141	
05:15	6		2						8		17:15	59		67						126	
05:30	7		2						9		17:30	64		47						111	
05:45	5	24	6	15					11	39	17:45	48	249	37	214					85	463
06:00	9		4						13		18:00	45		44						89	
06:15	14		9						23		18:15	60		53						113	
06:30	18		11						29		18:30	54		47						101	
06:45	12	53	9	33					21	86	18:45	48	207	42	186					90	393
07:00	17		13						30		19:00	52		48						100	
07:15	26		10						36		19:15	49		36						85	
07:30	36		24						60		19:30	45		36						81	
07:45	31	110	16	63					47	173	19:45	45	191	30	150					75	341
08:00	28		19						47		20:00	35		35						70	
08:15	36		24						60		20:15	33		28						61	
08:30	20		28						48		20:30	28		15						43	
08:45	32	116	24	95					56	211	20:45	43	139	20	98					63	237
09:00	16		21						37		21:00	26		14						40	
09:15	27		31						58		21:15	22		11						33	
09:30	26		35						61		21:30	29		18						47	
09:45	30	99	37	124					67	223	21:45	21	98	10	53					31	151
10:00	30		36						66		22:00	16		21						37	
10:15	35		44						79		22:15	10		10						20	
10:30	42		41						83		22:30	7		5						12	
10:45	43	150	38	159					81	309	22:45	8	41	10	46					18	87
11:00	29		55						84		23:00	7		5						12	
11:15	60		41						101		23:15	3		9						12	
11:30	60		56						116		23:30	3		6						9	
11:45	53	202	62	214					115	416	23:45	2	15	6	26					8	41
TOTALS		795		750						1545	TOTALS		2090		1913						4003
SPLIT %		51.5%		48.5%						27.8%	SPLIT %		52.2%		47.8%						72.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,885	2,663	0	0	5,548

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:15	12:15			12:15
AM Pk Volume	262	264			526	PM Pk Volume	287	266			553
Pk Hr Factor	0.923	0.846			0.889	Pk Hr Factor	0.983	0.853			0.934
7 - 9 Volume	226	158	0	0	384	4 - 6 Volume	468	418	0	0	886
7 - 9 Peak Hour	07:30	08:00			07:30	4 - 6 Peak Hour	16:45	16:45			16:45
7 - 9 Pk Volume	131	95	0	0	214	4 - 6 Pk Volume	256	229	0	0	485
Pk Hr Factor	0.910	0.848	0.000	0.000	0.892	Pk Hr Factor	0.821	0.854	0.000	0.000	0.860

Prepared by NDS/ATD

VOLUME

Fenton Pkwy Bet. Rio San Diego Dr/Fenton Marketplace Dwy & Del Rio Apartment Dwy

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_121

DAILY TOTALS	NB	SB	EB	WB	Total
	2,763	2,484	0	0	5,247

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	3		5						8		12:00	52		48						100	
00:15	5		5						10		12:15	52		59						111	
00:30	3		4						7		12:30	69		52						121	
00:45	0	11	4	18					4	29	12:45	67	240	75	234					142	474
01:00	1		3						4		13:00	60		47						107	
01:15	2		3						5		13:15	50		56						106	
01:30	3		4						7		13:30	54		63						117	
01:45	0	6	5	15					5	21	13:45	70	234	56	222					126	456
02:00	1		4						5		14:00	65		47						112	
02:15	1		1						2		14:15	58		62						120	
02:30	2		4						6		14:30	31		34						65	
02:45	2	6	3	12					5	18	14:45	62	216	46	189					108	405
03:00	1		2						3		15:00	45		39						84	
03:15	0		2						2		15:15	60		45						105	
03:30	3		4						7		15:30	53		51						104	
03:45	1	5	1	9					2	14	15:45	46	204	54	189					100	393
04:00	1		5						6		16:00	57		50						107	
04:15	4		4						8		16:15	47		59						106	
04:30	4		0						4		16:30	52		41						93	
04:45	3	12	1	10					4	22	16:45	61	217	55	205					116	422
05:00	9		6						15		17:00	57		55						112	
05:15	3		1						4		17:15	57		63						120	
05:30	8		1						9		17:30	58		60						118	
05:45	6	26	5	13					11	39	17:45	66	238	62	240					128	478
06:00	12		5						17		18:00	58		46						104	
06:15	13		13						26		18:15	45		34						79	
06:30	14		11						25		18:30	36		35						71	
06:45	13	52	5	34					18	86	18:45	52	191	38	153					90	344
07:00	15		12						27		19:00	42		34						76	
07:15	25		19						44		19:15	34		26						60	
07:30	33		15						48		19:30	29		29						58	
07:45	29	102	11	57					40	159	19:45	34	139	32	121					66	260
08:00	23		14						37		20:00	42		28						70	
08:15	31		15						46		20:15	38		24						62	
08:30	24		16						40		20:30	32		28						60	
08:45	27	105	26	71					53	176	20:45	45	157	18	98					63	255
09:00	30		22						52		21:00	30		17						47	
09:15	27		24						51		21:15	22		20						42	
09:30	26		37						63		21:30	22		19						41	
09:45	23	106	24	107					47	213	21:45	7	81	16	72					23	153
10:00	21		40						61		22:00	12		10						22	
10:15	28		40						68		22:15	15		7						22	
10:30	37		43						80		22:30	13		11						24	
10:45	47	133	46	169					93	302	22:45	13	53	13	41					26	94
11:00	40		28						68		23:00	4		2						6	
11:15	46		53						99		23:15	7		5						12	
11:30	62		45						107		23:30	2		10						12	
11:45	64	212	54	180					118	392	23:45	4	17	8	25					12	42
TOTALS		776		695						1471	TOTALS		1987		1789						3776
SPLIT %		52.8%		47.2%						28.0%	SPLIT %		52.6%		47.4%						72.0%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,763	2,484	0	0	5,247

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	12:15	12:45			12:15
AM Pk Volume	237	213			450	PM Pk Volume	248	241			481
Pk Hr Factor	0.859	0.903			0.930	Pk Hr Factor	0.899	0.803			0.847
7 - 9 Volume	207	128	0	0	335	4 - 6 Volume	455	445	0	0	900
7 - 9 Peak Hour	07:30	08:00			08:00	4 - 6 Peak Hour	17:00	17:00			17:00
7 - 9 Pk Volume	116	71	0	0	176	4 - 6 Pk Volume	238	240	0	0	478
Pk Hr Factor	0.879	0.683	0.000	0.000	0.830	Pk Hr Factor	0.902	0.952	0.000	0.000	0.934

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission City Parkway, From Camino Del Rio North to Camino Del Rio South

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	2		16					12:00	93		55				
00:15	1		12					12:15	61		51				
00:30	1		4					12:30	49		61				
00:45	1	5	4	36			41	12:45	55	258	87	254			512
01:00	0		1					13:00	48		70				
01:15	3		4					13:15	30		63				
01:30	1		1					13:30	32		53				
01:45	1	5	3	9			14	13:45	45	155	52	238			393
02:00	0		0					14:00	32		68				
02:15	0		5					14:15	36		57				
02:30	1		1					14:30	35		66				
02:45	0	1	0	6			7	14:45	29	132	88	279			411
03:00	0		0					15:00	26		74				
03:15	0		2					15:15	26		63				
03:30	0		2					15:30	37		78				
03:45	0	0	0	4			4	15:45	36	125	85	300			425
04:00	1		1					16:00	55		152				
04:15	2		1					16:15	50		112				
04:30	2		0					16:30	49		171				
04:45	17	22	3	5			27	16:45	62	216	143	578			794
05:00	7		2					17:00	64		170				
05:15	16		3					17:15	52		148				
05:30	16		4					17:30	52		135				
05:45	16	55	5	14			69	17:45	44	212	90	543			755
06:00	16		3					18:00	42		121				
06:15	24		5					18:15	16		62				
06:30	32		12					18:30	17		55				
06:45	64	136	23	43			179	18:45	17	92	48	286			378
07:00	61		24					19:00	9		46				
07:15	75		38					19:15	11		28				
07:30	87		32					19:30	21		23				
07:45	129	352	48	142			494	19:45	7	48	26	123			171
08:00	103		64					20:00	15		23				
08:15	103		62					20:15	6		18				
08:30	105		57					20:30	6		13				
08:45	104	415	59	242			657	20:45	7	34	28	82			116
09:00	70		41					21:00	14		14				
09:15	60		37					21:15	6		18				
09:30	40		41					21:30	6		7				
09:45	45	215	29	148			363	21:45	15	41	12	51			92
10:00	26		31					22:00	18		10				
10:15	27		38					22:15	9		7				
10:30	25		27					22:30	8		11				
10:45	30	108	34	130			238	22:45	10	45	2	30			75
11:00	32		31					23:00	7		12				
11:15	38		40					23:15	10		5				
11:30	32		36					23:30	6		3				
11:45	43	145	59	166			311	23:45	7	30	4	24			54
Total Vol.		1459		945			**2404**			1388		2788			**4176**

Daily Totals

NB	SB	EB	WB	**Combined**
2847	3733			**6580**

	AM			PM		
Split %	60.7%	39.3%	**36.5%**	33.2%	66.8%	**63.5%**
Peak Hour	07:45	08:00	**07:45**	12:00	16:30	**16:30**
Volume	440	242	**671**	258	632	**859**
P.H.F.	0.85	0.95	**0.95**	0.68	0.92	**0.92**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission City Parkway, From Camino Del Rio North to Camino Del Rio South

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	3		11					12:00	45		58				
00:15	2		3					12:15	61		60				
00:30	4		3					12:30	48		61				
00:45	2	11	2	19			30	12:45	39	193	87	266			459
01:00	4		4					13:00	39		67				
01:15	3		4					13:15	40		52				
01:30	2		0					13:30	36		67				
01:45	1	10	3	11			21	13:45	35	150	47	233			383
02:00	0		1					14:00	35		64				
02:15	1		5					14:15	24		55				
02:30	4		1					14:30	27		60				
02:45	1	6	1	8			14	14:45	35	121	63	242			363
03:00	3		1					15:00	32		91				
03:15	2		0					15:15	27		51				
03:30	4		0					15:30	49		104				
03:45	4	13	0	1			14	15:45	44	152	72	318			470
04:00	5		0					16:00	49		102				
04:15	1		0					16:15	34		106				
04:30	2		0					16:30	44		156				
04:45	20	28	1	1			29	16:45	45	172	144	508			680
05:00	9		1					17:00	55		201				
05:15	17		2					17:15	47		155				
05:30	13		3					17:30	40		141				
05:45	20	59	2	8			67	17:45	32	174	92	589			763
06:00	17		2					18:00	30		99				
06:15	23		4					18:15	19		78				
06:30	41		10					18:30	22		47				
06:45	77	158	16	32			190	18:45	19	90	32	256			346
07:00	56		19					19:00	9		33				
07:15	75		18					19:15	7		24				
07:30	115		33					19:30	13		24				
07:45	115	361	45	115			476	19:45	12	41	19	100			141
08:00	117		46					20:00	9		13				
08:15	117		43					20:15	6		21				
08:30	94		55					20:30	8		14				
08:45	70	398	42	186			584	20:45	4	27	24	72			99
09:00	59		45					21:00	4		34				
09:15	40		33					21:15	10		14				
09:30	43		24					21:30	4		16				
09:45	39	181	38	140			321	21:45	11	29	8	72			101
10:00	27		30					22:00	28		16				
10:15	27		34					22:15	14		15				
10:30	24		30					22:30	12		8				
10:45	22	100	36	130			230	22:45	10	64	9	48			112
11:00	32		38					23:00	11		16				
11:15	39		36					23:15	6		5				
11:30	37		50					23:30	9		5				
11:45	37	145	48	172			317	23:45	11	37	4	30			67
Total Vol.		1470		823			**2293**			1250		2734			**3984**

Daily Totals

NB	SB	EB	WB	**Combined**
2720	3557			**6277**

	AM			**PM**		
Split %	64.1%	35.9%	**36.5%**	31.4%	68.6%	**63.5%**
Peak Hour	07:30	11:45	**07:45**	12:00	16:30	**16:30**
Volume	464	227	**632**	193	656	**847**
P.H.F.	0.99	0.93	**0.97**	0.83	0.82	**0.83**

Prepared by NDS/ATD

VOLUME

Northside Dr Bet. Portofino Dwy & Friars Rd

Day: Wednesday
Date: 9/9/2015

City: San Diego
Project #: CA15_4269_123

DAILY TOTALS	NB	SB	EB	WB	Total
	3,237	3,319	0	0	6,556

AM Period	NB		SB		EB		WB		TOTAL	
00:00	1		0						1	
00:15	5		6						11	
00:30	5		2						7	
00:45	4	15	1	9					5	24
01:00	6		2						8	
01:15	3		2						5	
01:30	3		2						5	
01:45	11	23	3	9					14	32
02:00	5		3						8	
02:15	0		2						2	
02:30	7		3						10	
02:45	2	14	2	10					4	24
03:00	4		1						5	
03:15	0		1						1	
03:30	1		2						3	
03:45	1	6	4	8					5	14
04:00	0		9						9	
04:15	2		3						5	
04:30	6		14						20	
04:45	2	10	19	45					21	55
05:00	0		12						12	
05:15	3		29						32	
05:30	4		34						38	
05:45	6	13	32	107					38	120
06:00	7		37						44	
06:15	11		46						57	
06:30	6		75						81	
06:45	16	40	74	232					90	272
07:00	11		99						110	
07:15	11		76						87	
07:30	11		86						97	
07:45	21	54	87	348					108	402
08:00	34		72						106	
08:15	31		86						117	
08:30	21		69						90	
08:45	21	107	67	294					88	401
09:00	20		33						53	
09:15	23		57						80	
09:30	29		46						75	
09:45	19	91	48	184					67	275
10:00	34		38						72	
10:15	25		37						62	
10:30	22		44						66	
10:45	29	110	42	161					71	271
11:00	29		40						69	
11:15	48		43						91	
11:30	25		41						66	
11:45	34	136	40	164					74	300
TOTALS		619		1571						**2190**
SPLIT %		28.3%		71.7%						**33.4%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00	46		39						85	
12:15	29		37						66	
12:30	34		50						84	
12:45	45	154	46	172					91	326
13:00	45		33						78	
13:15	48		43						91	
13:30	42		48						90	
13:45	49	184	38	162					87	346
14:00	47		45						92	
14:15	39		31						70	
14:30	60		43						103	
14:45	53	199	41	160					94	359
15:00	60		46						106	
15:15	64		43						107	
15:30	50		55						105	
15:45	57	231	37	181					94	412
16:00	58		39						97	
16:15	70		41						111	
16:30	59		45						104	
16:45	75	262	53	178					128	440
17:00	84		61						145	
17:15	78		60						138	
17:30	93		46						139	
17:45	81	336	53	220					134	556
18:00	99		44						143	
18:15	78		51						129	
18:30	72		54						126	
18:45	73	322	54	203					127	525
19:00	82		56						138	
19:15	75		44						119	
19:30	78		30						108	
19:45	75	310	38	168					113	478
20:00	60		33						93	
20:15	47		33						80	
20:30	60		28						88	
20:45	63	230	33	127					96	357
21:00	54		20						74	
21:15	38		22						60	
21:30	53		28						81	
21:45	40	185	16	86					56	271
22:00	40		17						57	
22:15	35		22						57	
22:30	28		10						38	
22:45	27	130	8	57					35	187
23:00	16		11						27	
23:15	22		13						35	
23:30	22		5						27	
23:45	15	75	5	34					20	109
TOTALS		2618		1748						**4366**
SPLIT %		60.0%		40.0%						**66.6%**

DAILY TOTALS	NB	SB	EB	WB	Total
	3,237	3,319	0	0	6,556

AM Peak Hour	11:15	07:00			**07:30**	**PM Peak Hour**	17:15	16:45			**17:00**
AM Pk Volume	153	348			**428**	**PM Pk Volume**	351	220			**556**
Pk Hr Factor	0.797	0.879			**0.915**	**Pk Hr Factor**	0.886	0.902			**0.959**
7 - 9 Volume	161	642	0	0	**803**	**4 - 6 Volume**	598	398	0	0	**996**
7 - 9 Peak Hour	07:45	07:00			**07:30**	**4 - 6 Peak Hour**	17:00	16:45			**17:00**
7 - 9 Pk Volume	107	348	0	0	**428**	**4 - 6 Pk Volume**	336	220	0	0	**556**
Pk Hr Factor	0.787	0.879	0.000	0.000	**0.915**	**Pk Hr Factor**	0.903	0.902	0.000	0.000	**0.959**

Prepared by NDS/ATD

VOLUME

Northside Dr Bet. Portofino Dwy & Friars Rd

Day: Thursday
Date: 9/10/2015

City: San Diego
Project #: CA15_4269_123

DAILY TOTALS	NB	SB	EB	WB	Total
	3,286	3,342	0	0	6,628

AM Period	NB		SB		EB		WB		TOTAL	
00:00	14		5						19	
00:15	6		5						11	
00:30	14		6						20	
00:45	6	40	5	21					11	61
01:00	4		5						9	
01:15	11		0						11	
01:30	4		4						8	
01:45	5	24	1	10					6	34
02:00	7		3						10	
02:15	3		1						4	
02:30	1		2						3	
02:45	1	12	3	9					4	21
03:00	2		2						4	
03:15	5		4						9	
03:30	3		4						7	
03:45	3	13	4	14					7	27
04:00	3		3						6	
04:15	1		6						7	
04:30	3		17						20	
04:45	3	10	19	45					22	55
05:00	3		14						17	
05:15	2		22						24	
05:30	3		31						34	
05:45	5	13	38	105					43	118
06:00	7		35						42	
06:15	10		50						60	
06:30	8		82						90	
06:45	9	34	62	229					71	263
07:00	6		73						79	
07:15	11		94						105	
07:30	15		87						102	
07:45	20	52	82	336					102	388
08:00	24		68						92	
08:15	18		82						100	
08:30	26		78						104	
08:45	27	95	74	302					101	397
09:00	20		51						71	
09:15	39		46						85	
09:30	33		66						99	
09:45	27	119	40	203					67	322
10:00	25		50						75	
10:15	19		27						46	
10:30	27		39						66	
10:45	31	102	36	152					67	254
11:00	36		41						77	
11:15	45		33						78	
11:30	38		43						81	
11:45	40	159	43	160					83	319
TOTALS		673		1586						**2259**
SPLIT %		29.8%		70.2%						**34.1%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00	44		43						87	
12:15	30		44						74	
12:30	47		43						90	
12:45	57	178	47	177					104	355
13:00	30		43						73	
13:15	34		38						72	
13:30	43		35						78	
13:45	30	137	43	159					73	296
14:00	51		32						83	
14:15	49		40						89	
14:30	56		48						104	
14:45	40	196	40	160					80	356
15:00	52		38						90	
15:15	62		40						102	
15:30	51		38						89	
15:45	66	231	38	154					104	385
16:00	67		39						106	
16:15	69		41						110	
16:30	69		56						125	
16:45	71	276	56	192					127	468
17:00	80		58						138	
17:15	92		51						143	
17:30	82		62						144	
17:45	92	346	55	226					147	572
18:00	84		58						142	
18:15	93		56						149	
18:30	82		36						118	
18:45	66	325	51	201					117	526
19:00	70		37						107	
19:15	67		42						109	
19:30	59		39						98	
19:45	66	262	25	143					91	405
20:00	66		42						108	
20:15	54		27						81	
20:30	56		34						90	
20:45	61	237	25	128					86	365
21:00	63		32						95	
21:15	50		23						73	
21:30	43		25						68	
21:45	46	202	23	103					69	305
22:00	42		20						62	
22:15	39		20						59	
22:30	18		18						36	
22:45	30	129	8	66					38	195
23:00	33		9						42	
23:15	21		21						42	
23:30	26		10						36	
23:45	14	94	7	47					21	141
TOTALS		2613		1756						**4369**
SPLIT %		59.8%		40.2%						**65.9%**

DAILY TOTALS	NB	SB	EB	WB	Total
	3,286	3,342	0	0	6,628

AM Peak Hour	11:15	07:00			**07:15**
AM Pk Volume	167	336			**401**
Pk Hr Factor	0.928	0.894			**0.955**
7 - 9 Volume	147	638	0	0	**785**
7 - 9 Peak Hour	08:00	07:00			**07:15**
7 - 9 Pk Volume	95	336	0	0	**401**
Pk Hr Factor	0.880	0.894	0.000	0.000	**0.955**

PM Peak Hour	17:30	17:30			**17:30**
PM Pk Volume	351	231			**582**
Pk Hr Factor	0.944	0.931			**0.977**
4 - 6 Volume	622	418	0	0	**1040**
4 - 6 Peak Hour	17:00	16:45			**17:00**
4 - 6 Pk Volume	346	227	0	0	**572**
Pk Hr Factor	0.940	0.915	0.000	0.000	**0.973**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Northside Drive, From Friars Road to Fenton Marketplace Driveway

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	24		18					12:00	219		218				
00:15	21		20					12:15	226		251				
00:30	22		16					12:30	205		262				
00:45	26	93	11	65			158	12:45	218	868	235	966			1834
01:00	18		9					13:00	205		216				
01:15	20		12					13:15	184		203				
01:30	15		5					13:30	161		214				
01:45	19	72	4	30			102	13:45	177	727	202	835			1562
02:00	20		9					14:00	184		181				
02:15	5		5					14:15	161		162				
02:30	10		4					14:30	184		174				
02:45	1	36	6	24			60	14:45	191	720	184	701			1421
03:00	0		6					15:00	165		151				
03:15	2		5					15:15	184		166				
03:30	1		4					15:30	177		184				
03:45	5	8	4	19			27	15:45	184	710	195	696			1406
04:00	6		5					16:00	208		198				
04:15	4		9					16:15	251		161				
04:30	5		10					16:30	229		184				
04:45	9	24	15	39			63	16:45	232	920	166	709			1629
05:00	19		16					17:00	218		184				
05:15	20		15					17:15	248		188				
05:30	26		21					17:30	216		151				
05:45	22	87	32	84			171	17:45	202	884	162	685			1569
06:00	32		41					18:00	208		154				
06:15	40		50					18:15	216		142				
06:30	65		70					18:30	184		135				
06:45	70	207	88	249			456	18:45	151	759	121	552			1311
07:00	80		128					19:00	135		135				
07:15	65		95					19:15	121		144				
07:30	68		126					19:30	116		125				
07:45	77	290	138	487			777	19:45	108	480	105	509			989
08:00	84		156					20:00	121		88				
08:15	88		141					20:15	103		95				
08:30	94		177					20:30	88		70				
08:45	81	347	142	616			963	20:45	91	403	68	321			724
09:00	104		152					21:00	70		77				
09:15	111		162					21:15	65		84				
09:30	121		135					21:30	66		65				
09:45	135	471	141	590			1061	21:45	50	251	40	266			517
10:00	141		151					22:00	35		35				
10:15	151		168					22:15	41		44				
10:30	168		177					22:30	35		41				
10:45	177	637	184	680			1317	22:45	28	139	28	148			287
11:00	191		195					23:00	22		20				
11:15	205		213					23:15	26		19				
11:30	215		206					23:30	19		20				
11:45	206	817	218	832			1649	23:45	20	87	24	83			170
Total Vol.		3089		3715			**6804**			6948		6471			**13419**

Daily Totals

NB	SB	EB	WB	**Combined**
10037	10186			**20223**

	AM			**PM**		
Split %	45.4%	54.6%	**33.6%**	51.8%	48.2%	**66.4%**
Peak Hour	11:30	11:45	**11:45**	16:15	12:00	**12:00**
Volume	866	949	**1805**	930	966	**1834**
P.H.F.	0.96	0.91	**0.95**	0.94	0.92	**0.96**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Northside Drive, From Friars Road to Fenton Marketplace Driveway

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	18		24					12:00	199		191				
00:15	20		21					12:15	218		213				
00:30	16		18					12:30	209		241				
00:45	19	73	20	83			156	12:45	235	861	215	860			1721
01:00	20		16					13:00	204		206				
01:15	15		20					13:15	191		218				
01:30	11		15					13:30	188		205				
01:45	9	55	11	62			117	13:45	188	771	188	817			1588
02:00	12		9					14:00	161		195				
02:15	16		10					14:15	174		206				
02:30	11		5					14:30	180		184				
02:45	8	47	4	28			75	14:45	199	714	181	766			1480
03:00	6		9					15:00	177		190				
03:15	4		5					15:15	156		165				
03:30	3		4					15:30	148		155				
03:45	1	14	6	24			38	15:45	189	670	168	678			1348
04:00	2		9					16:00	198		174				
04:15	0		9					16:15	262		195				
04:30	4		12					16:30	245		165				
04:45	9	15	18	48			63	16:45	255	960	150	684			1644
05:00	8		22					17:00	243		144				
05:15	12		26					17:15	235		168				
05:30	18		35					17:30	215		174				
05:45	22	60	44	127			187	17:45	226	919	195	681			1600
06:00	19		51					18:00	208		184				
06:15	44		68					18:15	219		105				
06:30	51		84					18:30	205		116				
06:45	68	182	95	298			480	18:45	184	816	128	533			1349
07:00	88		105					19:00	161		131				
07:15	91		126					19:15	141		105				
07:30	70		135					19:30	111		121				
07:45	65	314	151	517			831	19:45	99	512	106	463			975
08:00	77		141					20:00	84		88				
08:15	84		165					20:15	101		90				
08:30	91		184					20:30	95		101				
08:45	99	351	151	641			992	20:45	80	360	84	363			723
09:00	87		141					21:00	70		80				
09:15	105		142					21:15	65		70				
09:30	111		148					21:30	77		65				
09:45	141	444	162	593			1037	21:45	84	296	40	255			551
10:00	168		177					22:00	54		41				
10:15	177		184					22:15	55		35				
10:30	154		155					22:30	40		28				
10:45	162	661	195	711			1372	22:45	32	181	33	137			318
11:00	195		162					23:00	28		25				
11:15	189		189					23:15	26		20				
11:30	205		212					23:30	22		19				
11:45	212	801	210	773			1574	23:45	20	96	20	84			180
Total Vol.		3017		3905			**6922**			7156		6321			**13477**

Daily Totals

NB	SB	EB	WB	**Combined**
10173	10226			**20399**

	AM			**PM**		
Split %	43.6%	56.4%	**33.9%**	53.1%	46.9%	**66.1%**
Peak Hour	11:45	11:45	**11:45**	16:15	12:30	**12:15**
Volume	838	855	**1693**	1005	880	**1741**
P.H.F.	0.96	0.89	**0.94**	0.97	0.91	**0.97**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Northside Drive, From Fenton Marketplace Driveway to Lowe's frontage road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	22		24					12:00	206		151				
00:15	18		19					12:15	215		168				
00:30	20		15					12:30	203		177				
00:45	16	76	19	77			153	12:45	218	842	170	666			1508
01:00	19		11					13:00	205		184				
01:15	20		12					13:15	181		177				
01:30	15		16					13:30	165		105				
01:45	11	65	11	50			115	13:45	151	702	111	577			1279
02:00	11		8					14:00	142		106				
02:15	10		9					14:15	135		89				
02:30	8		10					14:30	142		90				
02:45	9	38	5	32			70	14:45	161	580	70	355			935
03:00	8		4					15:00	165		65				
03:15	7		9					15:15	144		77				
03:30	5		5					15:30	142		54				
03:45	6	26	10	28			54	15:45	154	605	74	270			875
04:00	5		5					16:00	168		88				
04:15	8		9					16:15	215		111				
04:30	4		8					16:30	206		105				
04:45	10	27	10	32			59	16:45	212	801	88	392			1193
05:00	19		11					17:00	242		91				
05:15	15		16					17:15	202		121				
05:30	19		19					17:30	219		98				
05:45	35	88	21	67			155	17:45	188	851	116	426			1277
06:00	31		28					18:00	188		105				
06:15	36		35					18:15	191		88				
06:30	40		44					18:30	165		91				
06:45	51	158	60	167			325	18:45	170	714	70	354			1068
07:00	68		77					19:00	154		84				
07:15	70		65					19:15	142		70				
07:30	61		78					19:30	105		65				
07:45	66	265	105	325			590	19:45	111	512	55	274			786
08:00	75		126					20:00	84		70				
08:15	74		131					20:15	95		65				
08:30	88		130					20:30	70		51				
08:45	81	318	115	502			820	20:45	65	314	65	251			565
09:00	77		101					21:00	44		50				
09:15	84		121					21:15	35		40				
09:30	95		113					21:30	40		35				
09:45	88	344	128	463			807	21:45	28	147	44	169			316
10:00	108		135					22:00	21		28				
10:15	111		106					22:15	19		22				
10:30	162		141					22:30	20		16				
10:45	151	532	151	533			1065	22:45	24	84	18	84			168
11:00	188		161					23:00	18		20				
11:15	215		168					23:15	20		15				
11:30	200		120					23:30	16		19				
11:45	213	816	131	580			1396	23:45	22	76	20	74			150
Total Vol.		2753		2856			**5609**			6228		3892			**10120**

Daily Totals

NB	SB	EB	WB	**Combined**
8981	6748			**15729**

	AM			**PM**		
Split %	49.1%	50.9%	**35.7%**	61.5%	38.5%	**64.3%**
Peak Hour	11:45	11:45	**11:45**	16:15	12:30	**12:15**
Volume	837	627	**1464**	875	708	**1540**
P.H.F.	0.97	0.89	**0.96**	0.98	0.96	**0.99**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Northside Drive, From Fenton Marketplace Driveway to Lowe's frontage road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	28		21					12:00	205		177				
00:15	20		20					12:15	222		165				
00:30	16		25					12:30	213		151				
00:45	18	82	20	86			168	12:45	242	882	168	661			1543
01:00	20		15					13:00	216		177				
01:15	15		11					13:15	206		184				
01:30	11		19					13:30	218		135				
01:45	9	55	20	65			120	13:45	184	824	141	637			1461
02:00	12		11					14:00	162		116				
02:15	11		8					14:15	151		88				
02:30	16		9					14:30	142		91				
02:45	9	48	12	40			88	14:45	135	590	70	365			955
03:00	5		5					15:00	144		54				
03:15	7		4					15:15	168		66				
03:30	9		6					15:30	177		84				
03:45	6	27	8	23			50	15:45	154	643	91	295			938
04:00	9		9					16:00	168		105				
04:15	5		5					16:15	191		105				
04:30	5		4					16:30	212		121				
04:45	8	27	10	28			55	16:45	235	806	103	434			1240
05:00	9		11					17:00	225		88				
05:15	15		18					17:15	215		95				
05:30	18		21					17:30	235		106				
05:45	20	62	26	76			138	17:45	205	880	117	406			1286
06:00	33		24					18:00	218		111				
06:15	42		28					18:15	188		90				
06:30	51		31					18:30	184		84				
06:45	40	166	44	127			293	18:45	174	764	84	369			1133
07:00	61		51					19:00	165		81				
07:15	88		84					19:15	141		77				
07:30	70		81					19:30	111		84				
07:45	65	284	111	327			611	19:45	126	543	65	307			850
08:00	70		121					20:00	103		40				
08:15	54		116					20:15	88		35				
08:30	66		138					20:30	70		44				
08:45	84	274	141	516			790	20:45	65	326	51	170			496
09:00	84		105					21:00	70		40				
09:15	77		116					21:15	54		35				
09:30	84		105					21:30	40		42				
09:45	91	336	118	444			780	21:45	35	199	28	145			344
10:00	98		126					22:00	22		21				
10:15	111		114					22:15	26		30				
10:30	124		124					22:30	20		26				
10:45	141	474	156	520			994	22:45	19	87	20	97			184
11:00	166		168					23:00	19		18				
11:15	184		174					23:15	20		22				
11:30	191		135					23:30	22		28				
11:45	206	747	142	619			1366	23:45	25	86	21	89			175
Total Vol.		2582		2871			**5453**			6630		3975			**10605**

Daily Totals

NB	SB	EB	WB	**Combined**
9212	6846			**16058**

	AM			**PM**		
Split %	47.4%	52.6%	**34.0%**	62.5%	37.5%	**66.0%**
Peak Hour	11:45	11:45	**11:45**	16:45	12:30	**12:30**
Volume	846	635	**1481**	910	680	**1557**
P.H.F.	0.95	0.90	**0.96**	0.95	0.92	**0.95**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Village Drive, From Ronda Avenue to Friars Road WB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	23		5					12:00	111		107				
00:15	14		5					12:15	114		117				
00:30	10		7					12:30	122		119				
00:45	6	53	4	21			74	12:45	133	480	115	458			938
01:00	11		3					13:00	97		171				
01:15	8		6					13:15	120		129				
01:30	6		2					13:30	100		129				
01:45	4	29	0	11			40	13:45	112	429	110	539			968
02:00	4		4					14:00	116		175				
02:15	5		1					14:15	103		141				
02:30	2		2					14:30	111		152				
02:45	5	16	3	10			26	14:45	135	465	124	592			1057
03:00	11		3					15:00	111		148				
03:15	0		3					15:15	145		155				
03:30	3		5					15:30	137		181				
03:45	2	16	5	16			32	15:45	136	529	205	689			1218
04:00	2		9					16:00	128		206				
04:15	6		10					16:15	142		191				
04:30	3		16					16:30	142		284				
04:45	6	17	15	50			67	16:45	139	551	288	969			1520
05:00	6		28					17:00	156		312				
05:15	12		31					17:15	195		352				
05:30	23		49					17:30	148		266				
05:45	24	65	48	156			221	17:45	141	640	298	1228			1868
06:00	35		50					18:00	117		252				
06:15	44		76					18:15	114		189				
06:30	53		98					18:30	120		135				
06:45	108	240	113	337			577	18:45	109	460	109	685			1145
07:00	169		132					19:00	109		114				
07:15	194		137					19:15	103		93				
07:30	200		159					19:30	119		71				
07:45	270	833	151	579			1412	19:45	104	435	77	355			790
08:00	212		129					20:00	74		66				
08:15	205		145					20:15	104		56				
08:30	141		149					20:30	78		48				
08:45	133	691	123	546			1237	20:45	72	328	52	222			550
09:00	128		100					21:00	71		46				
09:15	83		146					21:15	91		49				
09:30	83		92					21:30	68		33				
09:45	83	377	99	437			814	21:45	51	281	37	165			446
10:00	67		85					22:00	54		31				
10:15	69		99					22:15	43		29				
10:30	70		86					22:30	37		22				
10:45	79	285	88	358			643	22:45	31	165	24	106			271
11:00	78		96					23:00	30		18				
11:15	84		106					23:15	29		18				
11:30	101		87					23:30	26		10				
11:45	100	363	94	383			746	23:45	14	99	8	54			153
Total Vol.		2985		2904			**5889**			4862		6062			**10924**

Daily Totals

NB	SB	EB	WB	**Combined**
7847	8966			**16813**

	AM			**PM**		
Split %	50.7%	49.3%	**35.0%**	44.5%	55.5%	**65.0%**
Peak Hour	07:30	07:30	**07:30**	17:00	16:30	**16:30**
Volume	887	584	**1471**	640	1236	**1868**
P.H.F.	0.82	0.92	**0.87**	0.83	0.88	**0.85**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Village Drive, From Ronda Avenue to Friars Road WB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	10		9					12:00	109		87				
00:15	18		15					12:15	112		98				
00:30	15		2					12:30	96		101				
00:45	9	52	4	30			82	12:45	115	432	107	393			825
01:00	8		7					13:00	106		118				
01:15	8		1					13:15	79		119				
01:30	6		8					13:30	106		118				
01:45	8	30	3	19			49	13:45	98	389	115	470			859
02:00	3		2					14:00	95		122				
02:15	7		2					14:15	104		118				
02:30	5		5					14:30	122		120				
02:45	5	20	2	11			31	14:45	126	447	132	492			939
03:00	5		3					15:00	147		138				
03:15	3		4					15:15	162		134				
03:30	2		4					15:30	153		205				
03:45	6	16	8	19			35	15:45	149	611	243	720			1331
04:00	4		9					16:00	132		345				
04:15	7		6					16:15	131		344				
04:30	4		10					16:30	129		363				
04:45	5	20	20	45			65	16:45	122	514	438	1490			2004
05:00	4		21					17:00	156		445				
05:15	15		24					17:15	149		418				
05:30	19		41					17:30	155		337				
05:45	30	68	53	139			207	17:45	146	606	306	1506			2112
06:00	29		45					18:00	129		285				
06:15	35		79					18:15	105		184				
06:30	71		82					18:30	114		187				
06:45	120	255	123	329			584	18:45	135	483	122	778			1261
07:00	156		131					19:00	105		118				
07:15	235		127					19:15	98		88				
07:30	230		159					19:30	96		72				
07:45	276	897	157	574			1471	19:45	110	409	65	343			752
08:00	240		144					20:00	89		72				
08:15	200		137					20:15	82		37				
08:30	185		129					20:30	90		44				
08:45	159	784	117	527			1311	20:45	70	331	41	194			525
09:00	111		120					21:00	70		49				
09:15	77		139					21:15	67		45				
09:30	77		99					21:30	65		49				
09:45	91	356	91	449			805	21:45	59	261	48	191			452
10:00	68		110					22:00	48		63				
10:15	73		108					22:15	48		30				
10:30	63		89					22:30	33		21				
10:45	80	284	98	405			689	22:45	25	154	19	133			287
11:00	75		114					23:00	32		14				
11:15	74		109					23:15	21		12				
11:30	99		109					23:30	23		8				
11:45	98	346	120	452			798	23:45	30	106	14	48			154
Total Vol.		3128		2999			**6127**			4743		6758			**11501**

Daily Totals

NB	SB	EB	WB	**Combined**
7871	9757			**17628**

	AM			**PM**		
Split %	51.1%	48.9%	**34.8%**	41.2%	58.8%	**65.2%**
Peak Hour	07:15	07:30	**07:15**	15:00	16:30	**16:30**
Volume	981	597	**1568**	611	1664	**2220**
P.H.F.	0.89	0.94	**0.91**	0.95	0.93	**0.92**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Village Drive, From Friars Road WB Ramps to Friars Road EB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	11		8					12:00	97		103				
00:15	7		10					12:15	103		99				
00:30	6		17					12:30	96		109				
00:45	2	26	8	43			69	12:45	94	390	93	404			794
01:00	7		6					13:00	92		128				
01:15	5		3					13:15	105		118				
01:30	1		10					13:30	78		121				
01:45	4	17	6	25			42	13:45	100	375	105	472			847
02:00	4		10					14:00	82		148				
02:15	2		3					14:15	86		101				
02:30	2		20					14:30	73		129				
02:45	4	12	6	39			51	14:45	112	353	92	470			823
03:00	0		3					15:00	98		123				
03:15	1		8					15:15	101		123				
03:30	3		12					15:30	104		140				
03:45	3	7	9	32			39	15:45	96	399	172	558			957
04:00	1		8					16:00	87		181				
04:15	3		16					16:15	104		188				
04:30	3		13					16:30	123		219				
04:45	3	10	21	58			68	16:45	108	422	245	833			1255
05:00	4		33					17:00	130		252				
05:15	6		29					17:15	165		277				
05:30	13		64					17:30	129		245				
05:45	14	37	73	199			236	17:45	93	517	218	992			1509
06:00	24		53					18:00	86		258				
06:15	40		69					18:15	82		211				
06:30	56		83					18:30	82		168				
06:45	78	198	82	287			485	18:45	66	316	156	793			1109
07:00	94		114					19:00	84		139				
07:15	156		116					19:15	92		127				
07:30	183		123					19:30	93		120				
07:45	238	671	110	463			1134	19:45	59	328	105	491			819
08:00	202		103					20:00	57		103				
08:15	163		127					20:15	84		64				
08:30	123		133					20:30	58		61				
08:45	123	611	109	472			1083	20:45	45	244	55	283			527
09:00	78		93					21:00	45		52				
09:15	66		112					21:15	69		50				
09:30	67		66					21:30	43		37				
09:45	47	258	98	369			627	21:45	24	181	36	175			356
10:00	57		77					22:00	34		39				
10:15	49		83					22:15	32		33				
10:30	57		77					22:30	21		37				
10:45	82	245	72	309			554	22:45	12	99	34	143			242
11:00	63		69					23:00	18		16				
11:15	65		92					23:15	13		19				
11:30	84		82					23:30	14		7				
11:45	74	286	92	335			621	23:45	13	58	8	50			108
Total Vol.		2378		2631			**5009**			3682		5664			**9346**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	6060	8295			**14355**

	AM			**PM**		
Split %	47.5%	52.5%	**34.9%**	39.4%	60.6%	**65.1%**
Peak Hour	07:30	07:45	**07:30**	16:45	16:45	**16:45**
Volume	786	473	**1249**	532	1019	**1551**
P.H.F.	0.83	0.89	**0.90**	0.86	0.92	**0.88**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Mission Village Drive, From Friars Road WB Ramps to Friars Road EB Ramps

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	3		19					12:00	100		76				
00:15	12		13					12:15	71		74				
00:30	8		14					12:30	81		93				
00:45	2	25	5	51			76	12:45	79	331	73	316			647
01:00	1		16					13:00	84		108				
01:15	6		8					13:15	65		74				
01:30	4		7					13:30	84		81				
01:45	2	13	7	38			51	13:45	74	307	85	348			655
02:00	1		2					14:00	76		94				
02:15	5		7					14:15	84		91				
02:30	2		12					14:30	75		81				
02:45	1	9	1	22			31	14:45	100	335	91	357			692
03:00	1		7					15:00	106		98				
03:15	2		10					15:15	113		94				
03:30	0		10					15:30	105		127				
03:45	4	7	12	39			46	15:45	107	431	149	468			899
04:00	4		11					16:00	92		205				
04:15	6		8					16:15	87		243				
04:30	3		12					16:30	98		251				
04:45	3	16	18	49			65	16:45	97	374	277	976			1350
05:00	3		34					17:00	103		266				
05:15	5		20					17:15	100		285				
05:30	17		43					17:30	110		268				
05:45	18	43	70	167			210	17:45	108	421	202	1021			1442
06:00	22		45					18:00	92		207				
06:15	25		68					18:15	62		141				
06:30	63		83					18:30	82		133				
06:45	97	207	102	298			505	18:45	68	304	102	583			887
07:00	87		105					19:00	71		91				
07:15	153		102					19:15	67		74				
07:30	223		129					19:30	60		59				
07:45	226	689	123	459			1148	19:45	55	253	54	278			531
08:00	173		108					20:00	48		60				
08:15	138		114					20:15	55		24				
08:30	125		116					20:30	57		32				
08:45	99	535	100	438			973	20:45	47	207	46	162			369
09:00	86		111					21:00	44		35				
09:15	49		96					21:15	33		43				
09:30	48		80					21:30	35		43				
09:45	70	253	69	356			609	21:45	22	134	48	169			303
10:00	52		80					22:00	23		59				
10:15	51		77					22:15	33		31				
10:30	59		61					22:30	15		24				
10:45	71	233	65	283			516	22:45	17	88	23	137			225
11:00	61		88					23:00	17		13				
11:15	80		85					23:15	13		11				
11:30	70		85					23:30	8		12				
11:45	72	283	94	352			635	23:45	14	52	17	53			105
Total Vol.		2313		2552			**4865**			3237		4868			**8105**

Daily Totals

NB	SB	EB	WB	**Combined**
5550	7420			**12970**

	AM			PM		
Split %	47.5%	52.5%	**37.5%**	39.9%	60.1%	**62.5%**
Peak Hour	07:15	07:30	**07:15**	15:00	16:45	**16:45**
Volume	775	474	**1237**	431	1096	**1506**
P.H.F.	0.86	0.92	**0.88**	0.95	0.96	**0.98**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rancho Mission Road, From Friars Road to San Diego Mission Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	14		19					12:00	99		98				
00:15	9		18					12:15	114		105				
00:30	6		9					12:30	98		96				
00:45	9	38	19	65			103	12:45	93	404	86	385			789
01:00	8		17					13:00	91		120				
01:15	2		7					13:15	85		95				
01:30	6		7					13:30	107		98				
01:45	5	21	8	39			60	13:45	98	381	107	420			801
02:00	5		8					14:00	78		100				
02:15	4		6					14:15	107		118				
02:30	5		7					14:30	100		143				
02:45	3	17	5	26			43	14:45	121	406	151	512			918
03:00	5		7					15:00	118		117				
03:15	7		6					15:15	106		131				
03:30	11		7					15:30	101		114				
03:45	10	33	6	26			59	15:45	86	411	154	516			927
04:00	5		5					16:00	116		124				
04:15	7		5					16:15	123		141				
04:30	15		6					16:30	110		137				
04:45	13	40	11	27			67	16:45	120	469	136	538			1007
05:00	20		15					17:00	128		154				
05:15	27		16					17:15	127		122				
05:30	47		28					17:30	102		135				
05:45	54	148	25	84			232	17:45	121	478	124	535			1013
06:00	72		31					18:00	131		152				
06:15	68		31					18:15	77		161				
06:30	128		37					18:30	93		160				
06:45	123	391	46	145			536	18:45	74	375	146	619			994
07:00	135		49					19:00	76		107				
07:15	137		52					19:15	67		126				
07:30	136		76					19:30	101		98				
07:45	170	578	88	265			843	19:45	48	292	93	424			716
08:00	143		78					20:00	68		72				
08:15	124		91					20:15	45		77				
08:30	120		92					20:30	49		90				
08:45	116	503	98	359			862	20:45	33	195	83	322			517
09:00	92		64					21:00	34		78				
09:15	87		69					21:15	40		78				
09:30	85		67					21:30	30		55				
09:45	87	351	62	262			613	21:45	32	136	71	282			418
10:00	76		74					22:00	22		55				
10:15	74		89					22:15	21		29				
10:30	74		67					22:30	25		37				
10:45	73	297	85	315			612	22:45	11	79	27	148			227
11:00	76		76					23:00	18		38				
11:15	110		87					23:15	17		32				
11:30	115		81					23:30	16		28				
11:45	92	393	99	343			736	23:45	12	63	17	115			178
Total Vol.		2810		1956			**4766**			3689		4816			**8505**

Daily Totals				
NB	SB	EB	WB	**Combined**
6499	6772			**13271**

	AM			PM		
Split %	59.0%	41.0%	**35.9%**	43.4%	56.6%	**64.1%**
Peak Hour	07:15	11:45	**07:30**	16:30	18:00	**16:15**
Volume	586	398	**906**	485	619	**1049**
P.H.F.	0.86	0.95	**0.88**	0.95	0.96	**0.93**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rancho Mission Road, From Friars Road to San Diego Mission Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	16		12					12:00	98		74				
00:15	9		12					12:15	96		89				
00:30	12		19					12:30	92		100				
00:45	3	40	12	55			95	12:45	84	370	78	341			711
01:00	5		12					13:00	85		87				
01:15	8		14					13:15	88		75				
01:30	8		15					13:30	86		97				
01:45	8	29	6	47			76	13:45	88	347	88	347			694
02:00	9		11					14:00	80		93				
02:15	1		3					14:15	69		119				
02:30	7		6					14:30	108		125				
02:45	6	23	8	28			51	14:45	139	396	132	469			865
03:00	2		9					15:00	95		105				
03:15	5		8					15:15	110		104				
03:30	6		8					15:30	110		116				
03:45	13	26	6	31			57	15:45	101	416	107	432			848
04:00	7		5					16:00	103		106				
04:15	7		3					16:15	111		123				
04:30	13		8					16:30	128		110				
04:45	19	46	11	27			73	16:45	120	462	112	451			913
05:00	17		14					17:00	129		120				
05:15	29		16					17:15	132		104				
05:30	45		8					17:30	125		114				
05:45	49	140	32	70			210	17:45	95	481	119	457			938
06:00	63		25					18:00	124		108				
06:15	78		23					18:15	93		121				
06:30	120		29					18:30	69		123				
06:45	146	407	53	130			537	18:45	78	364	119	471			835
07:00	158		39					19:00	59		113				
07:15	152		55					19:15	49		122				
07:30	146		80					19:30	81		79				
07:45	163	619	112	286			905	19:45	62	251	98	412			663
08:00	132		71					20:00	57		70				
08:15	120		52					20:15	41		74				
08:30	116		85					20:30	46		71				
08:45	115	483	64	272			755	20:45	30	174	69	284			458
09:00	93		59					21:00	53		67				
09:15	98		76					21:15	44		64				
09:30	85		63					21:30	41		49				
09:45	78	354	59	257			611	21:45	25	163	42	222			385
10:00	78		66					22:00	27		44				
10:15	67		64					22:15	34		40				
10:30	76		58					22:30	18		39				
10:45	91	312	79	267			579	22:45	21	100	26	149			249
11:00	82		79					23:00	29		31				
11:15	78		91					23:15	14		20				
11:30	86		78					23:30	16		33				
11:45	89	335	94	342			677	23:45	16	75	22	106			181
Total Vol.		2814		1812			**4626**			3599		4141			**7740**

Daily Totals

NB	SB	EB	WB	**Combined**
6413	5953			**12366**

	AM			**PM**		
Split %	60.8%	39.2%	**37.4%**	46.5%	53.5%	**62.6%**
Peak Hour	07:00	11:45	**07:15**	16:30	14:15	**16:45**
Volume	619	357	**911**	509	481	**956**
P.H.F.	0.95	0.89	**0.83**	0.98	0.91	**0.96**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rancho Mission Road/Ward Road, From San Diego Mission Road to Camino Del Rio North

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	17		9					12:00	66		65				
00:15	10		7					12:15	75		68				
00:30	11		7					12:30	69		80				
00:45	6	44	2	25			69	12:45	56	266	60	273			539
01:00	6		7					13:00	70		81				
01:15	11		5					13:15	74		73				
01:30	1		9					13:30	70		79				
01:45	6	24	6	27			51	13:45	56	270	76	309			579
02:00	3		5					14:00	49		69				
02:15	2		5					14:15	56		64				
02:30	3		3					14:30	55		80				
02:45	5	13	2	15			28	14:45	80	240	92	305			545
03:00	2		2					15:00	62		85				
03:15	2		2					15:15	76		79				
03:30	2		6					15:30	74		93				
03:45	6	12	7	17			29	15:45	59	271	83	340			611
04:00	5		3					16:00	77		96				
04:15	3		3					16:15	89		101				
04:30	1		8					16:30	93		103				
04:45	6	15	6	20			35	16:45	92	351	112	412			763
05:00	8		18					17:00	94		116				
05:15	8		13					17:15	113		135				
05:30	11		23					17:30	105		137				
05:45	23	50	29	83			133	17:45	108	420	110	498			918
06:00	17		19					18:00	87		106				
06:15	21		34					18:15	84		116				
06:30	31		40					18:30	66		82				
06:45	44	113	51	144			257	18:45	64	301	58	362			663
07:00	81		76					19:00	65		69				
07:15	71		75					19:15	65		54				
07:30	101		88					19:30	63		51				
07:45	95	348	119	358			706	19:45	55	248	46	220			468
08:00	144		129					20:00	50		39				
08:15	77		125					20:15	50		40				
08:30	78		115					20:30	61		36				
08:45	60	359	85	454			813	20:45	41	202	44	159			361
09:00	87		79					21:00	44		34				
09:15	58		59					21:15	31		38				
09:30	47		62					21:30	46		32				
09:45	53	245	68	268			513	21:45	35	156	27	131			287
10:00	41		51					22:00	29		25				
10:15	45		52					22:15	38		23				
10:30	41		54					22:30	23		16				
10:45	44	171	54	211			382	22:45	21	111	20	84			195
11:00	57		48					23:00	16		16				
11:15	57		58					23:15	20		11				
11:30	47		65					23:30	14		11				
11:45	56	217	73	244			461	23:45	10	60	7	45			105
Total Vol.		1611		1866			**3477**			2896		3138			**6034**

Daily Totals

NB	SB	EB	WB	**Combined**
4507	5004			**9511**

	AM			**PM**		
Split %	46.3%	53.7%	**36.6%**	48.0%	52.0%	**63.4%**
Peak Hour	07:30	07:45	**07:45**	17:00	16:45	**17:00**
Volume	417	488	**882**	420	500	**918**
P.H.F.	0.72	0.95	**0.81**	0.92	0.91	**0.93**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Rancho Mission Road/Ward Road, From San Diego Mission Road to Camino Del Rio North

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	9		12					12:00	59		79				
00:15	13		6					12:15	71		79				
00:30	7		9					12:30	64		61				
00:45	17	46	11	38			84	12:45	67	261	87	306			567
01:00	4		2					13:00	58		73				
01:15	6		4					13:15	78		80				
01:30	4		4					13:30	57		60				
01:45	5	19	9	19			38	13:45	66	259	75	288			547
02:00	5		2					14:00	60		66				
02:15	6		4					14:15	58		65				
02:30	1		3					14:30	75		74				
02:45	3	15	2	11			26	14:45	68	261	80	285			546
03:00	1		3					15:00	73		81				
03:15	4		1					15:15	51		85				
03:30	3		2					15:30	65		63				
03:45	4	12	1	7			19	15:45	85	274	89	318			592
04:00	5		3					16:00	72		115				
04:15	4		4					16:15	70		151				
04:30	4		10					16:30	88		128				
04:45	2	15	10	27			42	16:45	91	321	141	535			856
05:00	2		11					17:00	105		168				
05:15	8		17					17:15	121		140				
05:30	8		24					17:30	116		131				
05:45	21	39	17	69			108	17:45	88	430	128	567			997
06:00	22		31					18:00	83		122				
06:15	25		31					18:15	91		97				
06:30	32		38					18:30	87		94				
06:45	48	127	52	152			279	18:45	70	331	88	401			732
07:00	104		51					19:00	62		61				
07:15	121		88					19:15	61		42				
07:30	148		105					19:30	49		48				
07:45	105	478	151	395			873	19:45	62	234	52	203			437
08:00	91		80					20:00	39		35				
08:15	98		70					20:15	41		33				
08:30	88		88					20:30	61		29				
08:45	65	342	81	319			661	20:45	38	179	36	133			312
09:00	51		84					21:00	33		39				
09:15	64		57					21:15	43		48				
09:30	52		61					21:30	34		31				
09:45	36	203	66	268			471	21:45	39	149	37	155			304
10:00	45		74					22:00	36		23				
10:15	44		55					22:15	26		23				
10:30	46		54					22:30	19		19				
10:45	35	170	39	222			392	22:45	18	99	19	84			183
11:00	39		62					23:00	14		20				
11:15	50		52					23:15	26		18				
11:30	53		58					23:30	24		17				
11:45	52	194	80	252			446	23:45	10	74	3	58			132
Total Vol.		1660		1779			**3439**			2872		3333			**6205**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	4532	5112			**9644**

	AM			**PM**		
Split %	48.3%	51.7%	**35.7%**	46.3%	53.7%	**64.3%**
Peak Hour	07:00	07:15	**07:15**	16:45	16:15	**16:45**
Volume	478	424	**889**	433	588	**1013**
P.H.F.	0.81	0.70	**0.87**	0.90	0.88	**0.93**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Santo Road, From Northern Terminus to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	10		10					12:00	34		35				
00:15	15		7					12:15	38		37				
00:30	12		5					12:30	42		55				
00:45	13	50	2	24			74	12:45	34	148	49	176			324
01:00	14		5					13:00	35		47				
01:15	19		4					13:15	46		39				
01:30	6		2					13:30	38		52				
01:45	8	47	2	13			60	13:45	39	158	37	175			333
02:00	5		5					14:00	45		34				
02:15	1		8					14:15	41		37				
02:30	6		2					14:30	50		40				
02:45	3	15	4	19			34	14:45	46	182	27	138			320
03:00	1		2					15:00	61		47				
03:15	2		6					15:15	52		37				
03:30	0		8					15:30	43		90				
03:45	1	4	14	30			34	15:45	58	214	35	209			423
04:00	3		12					16:00	77		48				
04:15	2		21					16:15	49		35				
04:30	2		18					16:30	81		45				
04:45	3	10	20	71			81	16:45	61	268	42	170			438
05:00	4		28					17:00	87		48				
05:15	5		19					17:15	71		43				
05:30	8		24					17:30	66		60				
05:45	8	25	28	99			124	17:45	81	305	56	207			512
06:00	16		38					18:00	87		28				
06:15	27		62					18:15	90		45				
06:30	31		66					18:30	72		46				
06:45	26	100	69	235			335	18:45	63	312	48	167			479
07:00	23		83					19:00	81		41				
07:15	14		70					19:15	60		34				
07:30	14		82					19:30	49		33				
07:45	25	76	57	292			368	19:45	65	255	28	136			391
08:00	27		50					20:00	48		28				
08:15	17		59					20:15	55		32				
08:30	23		55					20:30	52		25				
08:45	29	96	60	224			320	20:45	45	200	30	115			315
09:00	36		46					21:00	45		16				
09:15	20		43					21:15	37		16				
09:30	23		41					21:30	27		13				
09:45	26	105	41	171			276	21:45	31	140	10	55			195
10:00	18		38					22:00	36		9				
10:15	22		33					22:15	25		21				
10:30	13		45					22:30	19		20				
10:45	27	80	35	151			231	22:45	15	95	8	58			153
11:00	33		34					23:00	15		3				
11:15	35		34					23:15	11		5				
11:30	33		52					23:30	16		9				
11:45	42	143	42	162			305	23:45	13	55	8	25			80
Total Vol.		751		1491			**2242**			2332		1631			**3963**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	3083	3122			**6205**

	AM			PM		
Split %	33.5%	66.5%	**36.1%**	58.8%	41.2%	**63.9%**
Peak Hour	11:45	06:45	**06:15**	17:45	15:15	**17:30**
Volume	156	304	**387**	330	210	**513**
P.H.F.	0.93	0.92	**0.91**	0.97	0.58	**0.94**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Santo Road, From Northern Terminus to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	18		3					12:00	40		40				
00:15	9		4					12:15	37		49				
00:30	18		7					12:30	50		47				
00:45	11	56	3	17			73	12:45	28	155	41	177			332
01:00	9		7					13:00	57		56				
01:15	12		1					13:15	32		43				
01:30	6		0					13:30	44		53				
01:45	6	33	3	11			44	13:45	41	174	66	218			392
02:00	14		6					14:00	38		47				
02:15	7		1					14:15	61		44				
02:30	2		1					14:30	64		30				
02:45	4	27	3	11			38	14:45	47	210	53	174			384
03:00	5		3					15:00	58		37				
03:15	3		3					15:15	59		48				
03:30	1		7					15:30	57		88				
03:45	2	11	12	25			36	15:45	58	232	48	221			453
04:00	3		11					16:00	72		46				
04:15	3		16					16:15	80		43				
04:30	2		20					16:30	49		51				
04:45	4	12	11	58			70	16:45	69	270	46	186			456
05:00	2		30					17:00	56		38				
05:15	4		32					17:15	67		37				
05:30	9		35					17:30	75		44				
05:45	9	24	30	127			151	17:45	85	283	53	172			455
06:00	16		48					18:00	66		44				
06:15	22		50					18:15	70		44				
06:30	36		57					18:30	80		47				
06:45	31	105	73	228			333	18:45	67	283	35	170			453
07:00	27		91					19:00	73		42				
07:15	16		82					19:15	65		32				
07:30	33		85					19:30	58		35				
07:45	22	98	56	314			412	19:45	54	250	32	141			391
08:00	31		53					20:00	60		31				
08:15	19		49					20:15	44		36				
08:30	23		49					20:30	55		28				
08:45	33	106	62	213			319	20:45	42	201	22	117			318
09:00	34		41					21:00	50		18				
09:15	27		39					21:15	44		23				
09:30	20		49					21:30	50		15				
09:45	17	98	43	172			270	21:45	41	185	17	73			258
10:00	26		54					22:00	39		18				
10:15	21		44					22:15	25		19				
10:30	18		44					22:30	20		14				
10:45	31	96	35	177			273	22:45	26	110	14	65			175
11:00	37		30					23:00	28		8				
11:15	37		37					23:15	28		15				
11:30	32		42					23:30	18		11				
11:45	36	142	48	157			299	23:45	20	94	10	44			138
Total Vol.		808		1510			**2318**			2447		1758			**4205**

Daily Totals

NB	SB	EB	WB	**Combined**
3255	3268			**6523**

	AM			**PM**		
Split %	34.9%	65.1%	**35.5%**	58.2%	41.8%	**64.5%**
Peak Hour	11:45	06:45	**06:45**	17:45	15:15	**15:30**
Volume	163	331	**438**	301	230	**492**
P.H.F.	0.82	0.91	**0.93**	0.86	0.65	**0.85**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Riverdale Street, From Zion Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	0		0					12:00	27		22				
00:15	0		0					12:15	22		32				
00:30	1		0					12:30	32		39				
00:45	0	1	0	0			1	12:45	36	117	32	125			242
01:00	0		0					13:00	14		28				
01:15	0		1					13:15	18		23				
01:30	0		0					13:30	24		25				
01:45	0	0	1	2			2	13:45	23	79	18	94			173
02:00	2		2					14:00	31		25				
02:15	0		0					14:15	16		36				
02:30	0		0					14:30	19		31				
02:45	0	2	0	2			4	14:45	25	91	24	116			207
03:00	0		2					15:00	19		24				
03:15	0		0					15:15	23		34				
03:30	0		0					15:30	32		31				
03:45	0	0	1	3			3	15:45	33	107	24	113			220
04:00	0		3					16:00	27		25				
04:15	0		0					16:15	36		29				
04:30	0		0					16:30	29		23				
04:45	2	2	2	5			7	16:45	39	131	26	103			234
05:00	1		1					17:00	35		29				
05:15	4		7					17:15	31		30				
05:30	1		2					17:30	35		24				
05:45	1	7	6	16			23	17:45	31	132	23	106			238
06:00	0		8					18:00	24		20				
06:15	5		5					18:15	27		23				
06:30	7		9					18:30	29		21				
06:45	6	18	13	35			53	18:45	16	96	14	78			174
07:00	5		20					19:00	16		16				
07:15	10		32					19:15	21		22				
07:30	11		73					19:30	15		11				
07:45	11	37	92	217			254	19:45	12	64	12	61			125
08:00	12		88					20:00	16		12				
08:15	5		28					20:15	10		10				
08:30	10		29					20:30	8		8				
08:45	9	36	19	164			200	20:45	7	41	9	39			80
09:00	5		16					21:00	6		12				
09:15	12		26					21:15	6		6				
09:30	19		32					21:30	10		8				
09:45	16	52	28	102			154	21:45	4	26	3	29			55
10:00	14		16					22:00	1		4				
10:15	11		13					22:15	2		3				
10:30	6		14					22:30	2		10				
10:45	14	45	24	67			112	22:45	0	5	4	21			26
11:00	17		21					23:00	3		5				
11:15	24		22					23:15	1		0				
11:30	30		25					23:30	1		2				
11:45	23	94	30	98			192	23:45	0	5	1	8			13
Total Vol.		294		711			**1005**			894		893			**1787**

Daily Totals

NB	SB	EB	WB	Combined
1188	1604			**2792**

	AM			PM		
Split %	29.3%	70.7%	**36.0%**	50.0%	50.0%	**64.0%**
Peak Hour	11:15	07:15	**07:15**	16:45	12:15	**16:45**
Volume	104	285	**329**	140	131	**249**
P.H.F.	0.87	0.77	**0.80**	0.87	0.84	**0.96**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Riverdale Street, From Zion Road to Friars Road

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	3		0					12:00	27		25				
00:15	0		0					12:15	28		37				
00:30	0		0					12:30	23		38				
00:45	0	3	0	0			3	12:45	20	98	29	129			227
01:00	0		0					13:00	27		23				
01:15	0		0					13:15	27		24				
01:30	1		0					13:30	28		26				
01:45	0	1	0	0			1	13:45	24	106	26	99			205
02:00	2		1					14:00	22		33				
02:15	1		1					14:15	29		33				
02:30	0		0					14:30	25		31				
02:45	0	3	0	2			5	14:45	24	100	40	137			237
03:00	0		0					15:00	28		25				
03:15	0		0					15:15	21		30				
03:30	1		0					15:30	26		27				
03:45	1	2	3	3			5	15:45	20	95	25	107			202
04:00	0		0					16:00	38		34				
04:15	0		1					16:15	27		25				
04:30	0		1					16:30	30		18				
04:45	1	1	3	5			6	16:45	28	123	23	100			223
05:00	2		0					17:00	34		27				
05:15	0		1					17:15	39		30				
05:30	0		3					17:30	39		16				
05:45	6	8	6	10			18	17:45	30	142	22	95			237
06:00	8		4					18:00	28		20				
06:15	4		6					18:15	14		16				
06:30	9		12					18:30	28		20				
06:45	3	24	14	36			60	18:45	30	100	12	68			168
07:00	11		28					19:00	16		16				
07:15	15		33					19:15	27		21				
07:30	18		30					19:30	22		18				
07:45	10	54	48	139			193	19:45	14	79	15	70			149
08:00	11		41					20:00	13		12				
08:15	8		44					20:15	10		9				
08:30	9		23					20:30	10		9				
08:45	12	40	28	136			176	20:45	10	43	5	35			78
09:00	6		21					21:00	9		9				
09:15	18		20					21:15	7		4				
09:30	7		16					21:30	9		5				
09:45	17	48	16	73			121	21:45	7	32	6	24			56
10:00	8		17					22:00	1		3				
10:15	22		27					22:15	2		3				
10:30	17		22					22:30	4		1				
10:45	14	61	24	90			151	22:45	4	11	2	9			20
11:00	18		25					23:00	3		2				
11:15	23		29					23:15	0		1				
11:30	27		29					23:30	0		0				
11:45	19	87	23	106			193	23:45	2	5	1	4			9
Total Vol.		332		600			**932**			934		877			**1811**

Daily Totals

NB	SB	EB	WB	**Combined**
1266	1477			**2743**

	AM			**PM**		
Split %	35.6%	64.4%	**34.0%**	51.6%	48.4%	**66.0%**
Peak Hour	11:30	07:30	**11:45**	17:00	14:00	**14:00**
Volume	101	163	**220**	142	137	**237**
P.H.F.	0.90	0.85	**0.85**	0.97	0.86	**0.93**

WEDNESDAY - SEPTEMBER 16, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Riverdale Street, From Friars Road to Vandever Avenue

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	5		4					12:00	78		100				
00:15	0		6					12:15	105		64				
00:30	1		3					12:30	79		76				
00:45	1	7	2	15			22	12:45	85	347	90	330			677
01:00	2		6					13:00	102		74				
01:15	0		2					13:15	83		108				
01:30	3		3					13:30	73		98				
01:45	2	7	3	14			21	13:45	82	340	93	373			713
02:00	3		1					14:00	67		80				
02:15	3		5					14:15	77		123				
02:30	0		4					14:30	97		94				
02:45	4	10	2	12			22	14:45	90	331	111	408			739
03:00	2		6					15:00	106		90				
03:15	0		2					15:15	98		67				
03:30	2		7					15:30	70		96				
03:45	2	6	10	25			31	15:45	78	352	86	339			691
04:00	0		3					16:00	62		79				
04:15	0		2					16:15	106		78				
04:30	6		10					16:30	78		61				
04:45	2	8	2	17			25	16:45	105	351	58	276			627
05:00	5		6					17:00	102		62				
05:15	15		12					17:15	130		61				
05:30	13		30					17:30	88		53				
05:45	14	47	37	85			132	17:45	77	397	61	237			634
06:00	19		43					18:00	57		85				
06:15	15		23					18:15	60		59				
06:30	43		25					18:30	54		56				
06:45	31	108	44	135			243	18:45	41	212	51	251			463
07:00	43		55					19:00	30		49				
07:15	33		95					19:15	31		33				
07:30	46		121					19:30	42		46				
07:45	36	158	128	399			557	19:45	25	128	32	160			288
08:00	41		176					20:00	33		32				
08:15	58		135					20:15	36		16				
08:30	47		119					20:30	20		15				
08:45	60	206	92	522			728	20:45	24	113	22	85			198
09:00	55		92					21:00	26		25				
09:15	63		76					21:15	18		25				
09:30	64		68					21:30	17		17				
09:45	64	246	85	321			567	21:45	10	71	12	79			150
10:00	52		63					22:00	8		23				
10:15	65		77					22:15	4		9				
10:30	76		90					22:30	9		6				
10:45	58	251	82	312			563	22:45	9	30	8	46			76
11:00	69		86					23:00	3		7				
11:15	80		72					23:15	2		6				
11:30	64		88					23:30	3		9				
11:45	87	300	77	323			623	23:45	0	8	4	26			34
Total Vol.		1354		2180			**3534**			2680		2610			**5290**

	Daily Totals				
	NB	SB	EB	WB	**Combined**
	4034	4790			**8824**

	AM			**PM**		
Split %	38.3%	61.7%	**40.0%**	50.7%	49.3%	**60.0%**
Peak Hour	11:45	07:30	**07:30**	16:45	14:15	**14:15**
Volume	349	560	**741**	425	418	**788**
P.H.F.	0.83	0.80	**0.85**	0.90	0.85	**0.98**

THURSDAY - SEPTEMBER 17, 2015 CITY: MISSION VALLEY PROJECT: PDT15-0911-01

Riverdale Street, From Friars Road to Vandever Avenue

AM Period	NB		SB		EB	WB		PM Period	NB		SB		EB	WB	
00:00	3		5					12:00	90		71				
00:15	3		4					12:15	99		98				
00:30	2		5					12:30	102		88				
00:45	3	11	4	18			29	12:45	88	379	77	334			713
01:00	2		0					13:00	80		108				
01:15	0		3					13:15	80		106				
01:30	3		3					13:30	79		92				
01:45	1	6	0	6			12	13:45	94	333	88	394			727
02:00	0		3					14:00	72		86				
02:15	2		6					14:15	75		119				
02:30	6		10					14:30	86		93				
02:45	2	10	2	21			31	14:45	99	332	84	382			714
03:00	1		4					15:00	78		90				
03:15	1		3					15:15	94		66				
03:30	3		7					15:30	93		96				
03:45	2	7	6	20			27	15:45	83	348	69	321			669
04:00	6		8					16:00	150		70				
04:15	2		7					16:15	88		77				
04:30	4		4					16:30	121		84				
04:45	6	18	6	25			43	16:45	90	449	68	299			748
05:00	7		10					17:00	121		78				
05:15	5		16					17:15	135		71				
05:30	9		24					17:30	88		66				
05:45	18	39	27	77			116	17:45	84	428	51	266			694
06:00	15		25					18:00	68		57				
06:15	21		28					18:15	65		57				
06:30	51		37					18:30	33		41				
06:45	52	139	34	124			263	18:45	45	211	58	213			424
07:00	50		46					19:00	36		58				
07:15	44		98					19:15	31		41				
07:30	38		151					19:30	26		49				
07:45	41	173	177	472			645	19:45	41	134	32	180			314
08:00	44		121					20:00	28		39				
08:15	51		116					20:15	24		44				
08:30	60		98					20:30	26		16				
08:45	51	206	91	426			632	20:45	25	103	19	118			221
09:00	49		93					21:00	22		15				
09:15	69		79					21:15	11		16				
09:30	57		95					21:30	12		13				
09:45	53	228	71	338			566	21:45	14	59	16	60			119
10:00	67		82					22:00	8		14				
10:15	47		81					22:15	7		16				
10:30	74		66					22:30	6		17				
10:45	63	251	55	284			535	22:45	7	28	7	54			82
11:00	60		88					23:00	2		3				
11:15	68		91					23:15	5		5				
11:30	72		74					23:30	10		6				
11:45	88	288	82	335			623	23:45	5	22	1	15			37
Total Vol.	1376		2146				**3522**		2826		2636				**5462**

Daily Totals

NB	SB	EB	WB	**Combined**
4202	4782			**8984**

	AM			PM		
Split %	39.1%	60.9%	**39.2%**	51.7%	48.3%	**60.8%**
Peak Hour	11:45	07:30	**07:30**	16:30	13:00	**16:30**
Volume	379	565	**739**	467	394	**768**
P.H.F.	0.93	0.80	**0.85**	0.94	0.91	**0.93**

Prepared by NDS/ATD

VOLUME

Mission Gorge Rd Bet. Friars Rd & Camino Del Rio North

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_133

DAILY TOTALS	NB	SB	EB	WB	Total
	7,262	7,480	0	0	14,742

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	12		15				27		12:00	139		120				259	
00:15	13		13				26		12:15	147		141				288	
00:30	6		12				18		12:30	125		129				254	
00:45	11	42	6	46			17	88	12:45	119	530	120	510			239	1040
01:00	5		11				16		13:00	108		135				243	
01:15	4		6				10		13:15	126		103				229	
01:30	4		8				12		13:30	122		114				236	
01:45	11	24	7	32			18	56	13:45	111	467	110	462			221	929
02:00	12		11				23		14:00	108		147				255	
02:15	7		26				33		14:15	123		120				243	
02:30	3		11				14		14:30	106		118				224	
02:45	4	26	4	52			8	78	14:45	109	446	161	546			270	992
03:00	6		9				15		15:00	113		110				223	
03:15	1		5				6		15:15	109		105				214	
03:30	4		9				13		15:30	124		112				236	
03:45	3	14	16	39			19	53	15:45	121	467	144	471			265	938
04:00	7		11				18		16:00	109		102				211	
04:15	12		13				25		16:15	130		140				270	
04:30	15		20				35		16:30	141		97				238	
04:45	12	46	28	72			40	118	16:45	117	497	122	461			239	958
05:00	11		15				26		17:00	125		107				232	
05:15	23		22				45		17:15	117		96				213	
05:30	40		42				82		17:30	109		117				226	
05:45	30	104	55	134			85	238	17:45	106	457	136	456			242	913
06:00	52		58				110		18:00	119		105				224	
06:15	74		57				131		18:15	107		102				209	
06:30	104		107				211		18:30	127		101				228	
06:45	96	326	111	333			207	659	18:45	108	461	118	426			226	887
07:00	114		93				207		19:00	119		96				215	
07:15	113		120				233		19:15	91		93				184	
07:30	150		137				287		19:30	96		118				214	
07:45	119	496	149	499			268	995	19:45	70	376	100	407			170	783
08:00	131		174				305		20:00	84		62				146	
08:15	137		117				254		20:15	72		78				150	
08:30	146		109				255		20:30	56		57				113	
08:45	113	527	95	495			208	1022	20:45	68	280	61	258			129	538
09:00	104		119				223		21:00	60		51				111	
09:15	100		113				213		21:15	44		63				107	
09:30	116		84				200		21:30	39		57				96	
09:45	96	416	107	423			203	839	21:45	42	185	52	223			94	408
10:00	91		100				191		22:00	36		35				71	
10:15	88		91				179		22:15	31		45				76	
10:30	105		97				202		22:30	42		47				89	
10:45	86	370	97	385			183	755	22:45	31	140	59	186			90	326
11:00	122		101				223		23:00	27		21				48	
11:15	102		108				210		23:15	43		30				73	
11:30	124		115				239		23:30	22		35				57	
11:45	104	452	131	455			235	907	23:45	21	113	23	109			44	222
TOTALS		2843		2965				5808	TOTALS		4419		4515				8934
SPLIT %		48.9%		51.1%				39.4%	SPLIT %		49.5%		50.5%				60.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	7,262	7,480	0	0	14,742

AM Peak Hour	07:30	07:15			07:30	PM Peak Hour	12:00	14:00			12:00
AM Pk Volume	537	580			1114	PM Pk Volume	530	546			1040
Pk Hr Factor	0.895	0.833			0.913	Pk Hr Factor	0.901	0.848			0.903
7 - 9 Volume	1023	994	0	0	2017	4 - 6 Volume	954	917	0	0	1871
7 - 9 Peak Hour	07:30	07:15			07:30	4 - 6 Peak Hour	16:15	16:15			16:15
7 - 9 Pk Volume	537	580	0	0	1114	4 - 6 Pk Volume	513	466	0	0	979
Pk Hr Factor	0.895	0.833	0.000	0.000	0.913	Pk Hr Factor	0.910	0.832	0.000	0.000	0.906

Prepared by NDS/ATD

VOLUME

Mission Gorge Rd Bet. Friars Rd & Camino Del Rio North

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_133

DAILY TOTALS	NB	SB	EB	WB	Total
	7,288	7,396	0	0	14,684

AM Period	NB		SB		EB		WB		TOTAL	
00:00	17		20						37	
00:15	20		17						37	
00:30	13		11						24	
00:45	10	60	11	59					21	119
01:00	6		15						21	
01:15	9		11						20	
01:30	8		8						16	
01:45	11	34	13	47					24	81
02:00	2		10						12	
02:15	4		9						13	
02:30	9		9						18	
02:45	6	21	5	33					11	54
03:00	5		6						11	
03:15	5		5						10	
03:30	4		4						8	
03:45	2	16	16	31					18	47
04:00	3		5						8	
04:15	10		8						18	
04:30	14		17						31	
04:45	13	40	26	56					39	96
05:00	21		21						42	
05:15	21		28						49	
05:30	31		39						70	
05:45	39	112	62	150					101	262
06:00	66		53						119	
06:15	78		67						145	
06:30	81		82						163	
06:45	92	317	144	346					236	663
07:00	121		75						196	
07:15	142		100						242	
07:30	103		153						256	
07:45	123	489	161	489					284	978
08:00	142		127						269	
08:15	114		113						227	
08:30	148		88						236	
08:45	136	540	90	418					226	958
09:00	93		106						199	
09:15	86		98						184	
09:30	95		100						195	
09:45	102	376	85	389					187	765
10:00	80		98						178	
10:15	104		109						213	
10:30	119		106						225	
10:45	108	411	110	423					218	834
11:00	95		102						197	
11:15	104		114						218	
11:30	118		118						236	
11:45	108	425	119	453					227	878
TOTALS		2841		2894						5735
SPLIT %		49.5%		50.5%						39.1%

PM Period	NB		SB		EB		WB		TOTAL	
12:00	125		115						240	
12:15	120		140						260	
12:30	136		136						272	
12:45	113	494	125	516					238	1010
13:00	118		130						248	
13:15	87		108						195	
13:30	105		110						215	
13:45	107	417	104	452					211	869
14:00	113		127						240	
14:15	120		124						244	
14:30	129		139						268	
14:45	104	466	147	537					251	1003
15:00	119		137						256	
15:15	124		107						231	
15:30	122		119						241	
15:45	112	477	128	491					240	968
16:00	117		114						231	
16:15	123		126						249	
16:30	123		120						243	
16:45	136	499	99	459					235	958
17:00	129		106						235	
17:15	132		100						232	
17:30	120		115						235	
17:45	107	488	119	440					226	928
18:00	117		119						236	
18:15	137		108						245	
18:30	110		128						238	
18:45	115	479	123	478					238	957
19:00	109		105						214	
19:15	98		92						190	
19:30	95		70						165	
19:45	77	379	83	350					160	729
20:00	73		69						142	
20:15	56		76						132	
20:30	73		71						144	
20:45	55	257	53	269					108	526
21:00	62		65						127	
21:15	61		59						120	
21:30	50		64						114	
21:45	55	228	45	233					100	461
22:00	49		48						97	
22:15	32		43						75	
22:30	37		40						77	
22:45	25	143	41	172					66	315
23:00	43		32						75	
23:15	37		25						62	
23:30	19		26						45	
23:45	21	120	22	105					43	225
TOTALS		4447		4502						8949
SPLIT %		49.7%		50.3%						60.9%

DAILY TOTALS	NB	SB	EB	WB	Total
	7,288	7,396	0	0	14,684

AM Peak Hour	08:00	07:30			07:15	PM Peak Hour	16:30	14:15			14:15
AM Pk Volume	540	554			1051	PM Pk Volume	520	547			1019
Pk Hr Factor	0.912	0.860			0.925	Pk Hr Factor	0.956	0.930			0.951
7 - 9 Volume	1029	907	0	0	1936	4 - 6 Volume	987	899	0	0	1886
7 - 9 Peak Hour	08:00	07:30			07:15	4 - 6 Peak Hour	16:30	16:00			16:15
7 - 9 Pk Volume	540	554	0	0	1051	4 - 6 Pk Volume	520	459	0	0	962
Pk Hr Factor	0.912	0.860	0.000	0.000	0.925	Pk Hr Factor	0.956	0.911	0.000	0.000	0.966

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Prepared by NDS/ATD

VOLUME

Fairmount Ave Bet. Camino Del Rio North/I-8 WB Off Ramp & I-8 EB Off Ramp

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_134

DAILY TOTALS	NB	SB	EB	WB	Total
	21,925	18,128	0	0	40,053

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	37		43						80		12:00	391		258						649	
00:15	24		34						58		12:15	383		292						675	
00:30	16		28						44		12:30	362		312						674	
00:45	19	96	30	135					49	231	12:45	359	1495	244	1106					603	2601
01:00	26		26						52		13:00	417		271						688	
01:15	25		18						43		13:15	396		293						689	
01:30	18		21						39		13:30	398		307						705	
01:45	6	75	20	85					26	160	13:45	383	1594	299	1170					682	2764
02:00	15		15						30		14:00	374		308						682	
02:15	8		27						35		14:15	346		326						672	
02:30	14		11						25		14:30	382		368						750	
02:45	13	50	12	65					25	115	14:45	302	1404	367	1369					669	2773
03:00	10		12						22		15:00	326		329						655	
03:15	15		13						28		15:15	371		378						749	
03:30	12		12						24		15:30	348		393						741	
03:45	18	55	9	46					27	101	15:45	318	1363	413	1513					731	2876
04:00	23		10						33		16:00	296		421						717	
04:15	26		16						42		16:15	310		423						733	
04:30	66		12						78		16:30	306		454						760	
04:45	52	167	22	60					74	227	16:45	304	1216	440	1738					744	2954
05:00	80		28						108		17:00	343		443						786	
05:15	98		36						134		17:15	324		454						778	
05:30	164		44						208		17:30	327		450						777	
05:45	185	527	53	161					238	688	17:45	287	1281	369	1716					656	2997
06:00	212		77						289		18:00	300		371						671	
06:15	299		86						385		18:15	318		325						643	
06:30	357		83						440		18:30	289		295						584	
06:45	440	1308	136	382					576	1690	18:45	266	1173	274	1265					540	2438
07:00	410		183						593		19:00	217		283						500	
07:15	445		191						636		19:15	212		231						443	
07:30	495		233						728		19:30	184		238						422	
07:45	541	1891	229	836					770	2727	19:45	133	746	205	957					338	1703
08:00	528		204						732		20:00	150		172						322	
08:15	479		214						693		20:15	118		163						281	
08:30	483		232						715		20:30	134		173						307	
08:45	444	1934	238	888					682	2822	20:45	126	528	158	666					284	1194
09:00	492		216						708		21:00	110		162						272	
09:15	357		215						572		21:15	77		157						234	
09:30	348		261						609		21:30	80		133						213	
09:45	334	1531	231	923					565	2454	21:45	90	357	118	570					208	927
10:00	363		242						605		22:00	75		112						187	
10:15	346		218						564		22:15	87		68						155	
10:30	326		233						559		22:30	58		79						137	
10:45	310	1345	244	937					554	2282	22:45	51	271	77	336					128	607
11:00	291		255						546		23:00	52		55						107	
11:15	372		235						607		23:15	39		62						101	
11:30	348		242						590		23:30	58		59						117	
11:45	320	1331	252	984					572	2315	23:45	38	187	44	220					82	407
TOTALS		10310		5502						15812	TOTALS		11615		12626						24241
SPLIT %		65.2%		34.8%						39.5%	SPLIT %		47.9%		52.1%						60.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	21,925	18,128	0	0	40,053

AM Peak Hour	07:30	11:45			07:30	PM Peak Hour	13:00	16:30			16:45
AM Pk Volume	2043	1114			2923	PM Pk Volume	1594	1791			3085
Pk Hr Factor	0.944	0.893			0.949	Pk Hr Factor	0.956	0.986			0.981
7 - 9 Volume	3825	1724	0	0	5549	4 - 6 Volume	2497	3454	0	0	5951
7 - 9 Peak Hour	07:30	08:00			07:30	4 - 6 Peak Hour	16:45	16:30			16:45
7 - 9 Pk Volume	2043	888	0	0	2923	4 - 6 Pk Volume	1298	1791	0	0	3085
Pk Hr Factor	0.944	0.933	0.000	0.000	0.949	Pk Hr Factor	0.946	0.986	0.000	0.000	0.981

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Prepared by NDS/ATD

VOLUME

Fairmount Ave Bet. Camino Del Rio North/I-8 WB Off Ramp & I-8 EB Off Ramp

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_134

DAILY TOTALS	NB	SB	EB	WB	Total
	21,980	18,390	0	0	40,370

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	30		56						86		12:00	381		294						675	
00:15	29		41						70		12:15	387		322						709	
00:30	27		37						64		12:30	377		292						669	
00:45	13	99	40	174					53	273	12:45	362	1507	247	1155					609	2662
01:00	15		20						35		13:00	359		303						662	
01:15	16		24						40		13:15	359		335						694	
01:30	10		17						27		13:30	411		276						687	
01:45	9	50	18	79					27	129	13:45	382	1511	290	1204					672	2715
02:00	15		22						37		14:00	301		311						612	
02:15	10		19						29		14:15	382		299						681	
02:30	14		18						32		14:30	375		372						747	
02:45	15	54	17	76					32	130	14:45	387	1445	321	1303					708	2748
03:00	16		19						35		15:00	318		412						730	
03:15	13		13						26		15:15	366		374						740	
03:30	16		15						31		15:30	320		445						765	
03:45	22	67	14	61					36	128	15:45	341	1345	382	1613					723	2958
04:00	24		12						36		16:00	313		448						761	
04:15	29		11						40		16:15	348		421						769	
04:30	60		13						73		16:30	364		455						819	
04:45	54	167	20	56					74	223	16:45	323	1348	478	1802					801	3150
05:00	57		24						81		17:00	356		428						784	
05:15	97		48						145		17:15	329		438						767	
05:30	149		47						196		17:30	350		405						755	
05:45	177	480	43	162					220	642	17:45	318	1353	412	1683					730	3036
06:00	183		50						233		18:00	301		365						666	
06:15	258		92						350		18:15	250		321						571	
06:30	405		108						513		18:30	268		318						586	
06:45	458	1304	144	394					602	1698	18:45	227	1046	242	1246					469	2292
07:00	370		184						554		19:00	200		295						495	
07:15	382		173						555		19:15	219		227						446	
07:30	524		187						711		19:30	189		247						436	
07:45	596	1872	246	790					842	2662	19:45	148	756	201	970					349	1726
08:00	533		202						735		20:00	155		194						349	
08:15	525		206						731		20:15	117		190						307	
08:30	491		220						711		20:30	111		147						258	
08:45	438	1987	218	846					656	2833	20:45	109	492	177	708					286	1200
09:00	340		220						560		21:00	109		160						269	
09:15	369		197						566		21:15	104		148						252	
09:30	395		242						637		21:30	104		132						236	
09:45	347	1451	228	887					575	2338	21:45	100	417	116	556					216	973
10:00	340		255						595		22:00	84		112						196	
10:15	329		229						558		22:15	66		86						152	
10:30	335		242						577		22:30	68		84						152	
10:45	360	1364	250	976					610	2340	22:45	52	270	89	371					141	641
11:00	339		266						605		23:00	60		60						120	
11:15	318		251						569		23:15	42		52						94	
11:30	347		257						604		23:30	42		63						105	
11:45	389	1393	270	1044					659	2437	23:45	58	202	59	234					117	436
TOTALS		10288		5545						15833	TOTALS		11692		12845						24537
SPLIT %		65.0%		35.0%						39.2%	SPLIT %		47.7%		52.3%						60.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	21,980	18,390	0	0	40,370

AM Peak Hour	07:30	11:45			07:30	PM Peak Hour	13:00	16:00			16:15
AM Pk Volume	2178	1178			3019	PM Pk Volume	1511	1802			3173
Pk Hr Factor	0.914	0.915			0.896	Pk Hr Factor	0.919	0.942			0.969
7 - 9 Volume	3859	1636	0	0	5495	4 - 6 Volume	2701	3485	0	0	6186
7 - 9 Peak Hour	07:30	07:45			07:30	4 - 6 Peak Hour	16:15	16:00			16:15
7 - 9 Pk Volume	2178	874	0	0	3019	4 - 6 Pk Volume	1391	1802	0	0	3173
Pk Hr Factor	0.914	0.888	0.000	0.000	0.896	Pk Hr Factor	0.955	0.942	0.000	0.000	0.969

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Prepared by NDS/ATD

VOLUME

Fairmount Ave Bet. I-8 EB Off Ramp & Camino Del Rio South(WB)

Day: Wednesday
Date: 9/16/2015

City: San Diego
Project #: CA15_4269_135

DAILY TOTALS	NB	SB	EB	WB	Total
	40,982	40,294	0	0	81,276

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	59		143						202		12:00	549		548						1097	
00:15	49		123						172		12:15	545		536						1081	
00:30	32		95						127		12:30	579		554						1133	
00:45	44	184	56	417					100	601	12:45	520	2193	527	2165					1047	4358
01:00	37		59						96		13:00	587		633						1220	
01:15	29		49						78		13:15	550		586						1136	
01:30	37		69						106		13:30	612		613						1225	
01:45	25	128	47	224					72	352	13:45	599	2348	604	2436					1203	4784
02:00	20		42						62		14:00	634		647						1281	
02:15	28		36						64		14:15	553		708						1261	
02:30	20		48						68		14:30	583		779						1362	
02:45	23	91	36	162					59	253	14:45	536	2306	833	2967					1369	5273
03:00	19		28						47		15:00	612		787						1399	
03:15	36		26						62		15:15	705		856						1561	
03:30	53		18						71		15:30	721		804						1525	
03:45	32	140	21	93					53	233	15:45	649	2687	836	3283					1485	5970
04:00	65		26						91		16:00	623		846						1469	
04:15	89		25						114		16:15	595		832						1427	
04:30	134		30						164		16:30	670		877						1547	
04:45	138	426	39	120					177	546	16:45	668	2556	832	3387					1500	5943
05:00	165		38						203		17:00	693		773						1466	
05:15	331		62						393		17:15	652		848						1500	
05:30	413		116						529		17:30	624		837						1461	
05:45	405	1314	100	316					505	1630	17:45	583	2552	873	3331					1456	5883
06:00	620		119						739		18:00	567		790						1357	
06:15	743		159						902		18:15	597		813						1410	
06:30	944		257						1201		18:30	596		778						1374	
06:45	1000	3307	295	830					1295	4137	18:45	630	2390	723	3104					1353	5494
07:00	1006		340						1346		19:00	472		741						1213	
07:15	1009		464						1473		19:15	399		594						993	
07:30	942		480						1422		19:30	357		539						896	
07:45	803	3760	522	1806					1325	5566	19:45	342	1570	502	2376					844	3946
08:00	939		531						1470		20:00	340		521						861	
08:15	948		529						1477		20:15	303		474						777	
08:30	919		505						1424		20:30	308		451						759	
08:45	857	3663	533	2098					1390	5761	20:45	300	1251	438	1884					738	3135
09:00	610		459						1069		21:00	266		442						708	
09:15	590		514						1104		21:15	217		442						659	
09:30	562		568						1130		21:30	245		418						663	
09:45	496	2258	444	1985					940	4243	21:45	205	933	346	1648					551	2581
10:00	524		482						1006		22:00	155		379						534	
10:15	515		462						977		22:15	150		282						432	
10:30	486		487						973		22:30	123		285						408	
10:45	509	2034	454	1885					963	3919	22:45	108	536	220	1166					328	1702
11:00	428		456						884		23:00	114		230						344	
11:15	473		527						1000		23:15	103		190						293	
11:30	535		450						985		23:30	88		168						256	
11:45	553	1989	446	1879					999	3868	23:45	61	366	144	732					205	1098
TOTALS		19294		11815						31109	TOTALS		21688		28479						50167
SPLIT %		62.0%		38.0%						38.3%	SPLIT %		43.2%		56.8%						61.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	40,982	40,294	0	0	81,276

AM Peak Hour	06:30	08:00			08:00	PM Peak Hour	15:15	15:45			15:15
AM Pk Volume	3959	2098			5761	PM Pk Volume	2698	3391			6040
Pk Hr Factor	0.981	0.984			0.975	Pk Hr Factor	0.936	0.967			0.967
7 - 9 Volume	7423	3904	0	0	11327	4 - 6 Volume	5108	6718	0	0	11826
7 - 9 Peak Hour	07:00	08:00			08:00	4 - 6 Peak Hour	16:30	16:00			16:30
7 - 9 Pk Volume	3760	2098	0	0	5761	4 - 6 Pk Volume	2683	3387	0	0	6013
Pk Hr Factor	0.932	0.984	0.000	0.000	0.975	Pk Hr Factor	0.968	0.966	0.000	0.000	0.972

Prepared by NDS/ATD

VOLUME

Fairmount Ave Bet. I-8 EB Off Ramp & Camino Del Rio South(WB)

Day: Thursday
Date: 9/17/2015

City: San Diego
Project #: CA15_4269_135

DAILY TOTALS	NB	SB	EB	WB	Total
	41,641	42,839	0	0	84,480

AM Period	NB		SB		EB		WB		TOTAL		PM Period	NB		SB		EB		WB		TOTAL	
00:00	51		144						195		12:00	550		571						1121	
00:15	58		112						170		12:15	597		523						1120	
00:30	52		124						176		12:30	551		578						1129	
00:45	35	196	76	456					111	652	12:45	524	2222	623	2295					1147	4517
01:00	40		65						105		13:00	526		626						1152	
01:15	26		50						76		13:15	558		612						1170	
01:30	33		75						108		13:30	628		676						1304	
01:45	36	135	52	242					88	377	13:45	696	2408	637	2551					1333	4959
02:00	25		46						71		14:00	682		704						1386	
02:15	37		32						69		14:15	638		827						1465	
02:30	20		37						57		14:30	643		856						1499	
02:45	29	111	45	160					74	271	14:45	580	2543	874	3261					1454	5804
03:00	31		33						64		15:00	627		872						1499	
03:15	43		29						72		15:15	663		882						1545	
03:30	40		29						69		15:30	777		926						1703	
03:45	29	143	25	116					54	259	15:45	717	2784	907	3587					1624	6371
04:00	71		22						93		16:00	648		866						1514	
04:15	94		31						125		16:15	588		905						1493	
04:30	144		25						169		16:30	686		865						1551	
04:45	142	451	38	116					180	567	16:45	636	2558	950	3586					1586	6144
05:00	191		58						249		17:00	695		907						1602	
05:15	328		72						400		17:15	639		1018						1657	
05:30	385		120						505		17:30	633		923						1556	
05:45	396	1300	125	375					521	1675	17:45	521	2488	869	3717					1390	6205
06:00	583		159						742		18:00	568		824						1392	
06:15	740		157						897		18:15	532		820						1352	
06:30	955		239						1194		18:30	524		745						1269	
06:45	1049	3327	315	870					1364	4197	18:45	507	2131	660	3049					1167	5180
07:00	996		384						1380		19:00	454		719						1173	
07:15	999		502						1501		19:15	367		639						1006	
07:30	953		537						1490		19:30	404		597						1001	
07:45	941	3889	554	1977					1495	5866	19:45	353	1578	584	2539					937	4117
08:00	906		528						1434		20:00	317		523						840	
08:15	888		552						1440		20:15	286		486						772	
08:30	895		515						1410		20:30	295		485						780	
08:45	792	3481	687	2282					1479	5763	20:45	270	1168	482	1976					752	3144
09:00	629		539						1168		21:00	287		481						768	
09:15	634		443						1077		21:15	233		475						708	
09:30	590		405						995		21:30	254		445						699	
09:45	484	2337	411	1798					895	4135	21:45	223	997	428	1829					651	2826
10:00	497		475						972		22:00	206		424						630	
10:15	502		495						997		22:15	184		302						486	
10:30	549		448						997		22:30	211		326						537	
10:45	565	2113	446	1864					1011	3977	22:45	171	772	251	1303					422	2075
11:00	515		463						978		23:00	141		259						400	
11:15	475		493						968		23:15	124		233						357	
11:30	502		463						965		23:30	142		223						365	
11:45	500	1992	561	1980					1061	3972	23:45	110	517	195	910					305	1427
TOTALS		19475		12236						31711	TOTALS		22166		30603						52769
SPLIT %		61.4%		38.6%						37.5%	SPLIT %		42.0%		58.0%						62.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	41,641	42,839	0	0	84,480

AM Peak Hour	06:30	08:15			07:15	PM Peak Hour	15:15	16:45			16:45
AM Pk Volume	3999	2293			5920	PM Pk Volume	2805	3798			6401
Pk Hr Factor	0.953	0.834			0.986	Pk Hr Factor	0.903	0.933			0.966
7 - 9 Volume	7370	4259	0	0	11629	4 - 6 Volume	5046	7303	0	0	12349
7 - 9 Peak Hour	07:00	08:00			07:15	4 - 6 Peak Hour	16:30	16:45			16:45
7 - 9 Pk Volume	3889	2282	0	0	5920	4 - 6 Pk Volume	2656	3798	0	0	6401
Pk Hr Factor	0.973	0.830	0.000	0.000	0.986	Pk Hr Factor	0.955	0.933	0.000	0.000	0.966

Intersection Traffic Counts

ID	N/S Street	E/W Street
1	I-5 SB Ramps	Tecolote Road
2	I-5 NB Ramps	Tecolote Road
3	I-805 SB Ramps	Phyllis Place
4	I-805 NB Ramps	Murray Ridge Road
5	Mission Center Road	Mission Valley Road/Civita Boulevard
6	Mission Center Road	Westside Drive
7	Sea World Drive	Friars Road
8	Napa Street	Friars Road
9	Colusa Street	Friars Road
10	Via Las Cumbres	Friars Road
11	Fashion Valley Road	Friars Road
12	Via De La Moda	Friars Road
13	Avenida De Las Tiendas	Friars Road
14	Ulric Street/SR-163 SB Ramps	Friars Road
15	SR-163 NB Ramps	Friars Road
16	Frazee Road	Friars Road
17	Mission Center Road	Friars Road WB Ramps
18	Mission Center Road	Friars Road EB Ramps
19	Qualcomm Way	Friars Road WB Ramps
20	Qualcomm Way	Friars Road EB Ramps
21	River Run Drive	Friars Road
22	Fenton Parkway	Friars Road
23	Northside Drive	Friars Road
24	Mission Village Drive	Friars Road WB Ramps
25	Mission Village Drive	Friars Road EB Ramps
26	I-15 SB Ramps	Friars Road
27	I-15 NB Ramps	Friars Road
28	Rancho Mission Road	Friars Road
29	Santo Road	Friars Road
30	Riverdale Street	Friars Road
31	Mission Gorge Road	Friars Road
32	Mission Center Road	Mission Center Court
33	Qualcomm Way	Rio San Diego Drive
34	River Run Drive	Rio San Diego Drive
35	Fenton Parkway	Rio San Diego Drive
36	Northside Drive	Rio San Diego Drive
37	Rancho Mission Road	San Diego Mission Road

ID	N/S Street	E/W Street
38	Mission Center Road	Hazard Center Drive
39	Avenida Del Rio	Camino De La Reina
40	Mission Center Road	Camino De La Reina
41	Camino Del Este	Camino De La Reina
42	Qualcomm Way	Camino De La Reina
43	Mission City Parkway	Camino Del Rio North
44	Ward Road	Camino Del Rio North
45	Fairmount Avenue	Camino Del Rio North
46	I-8 WB Ramps	Hotel Circle North
47	I-8 WB Ramps	Hotel Circle North
48	Fashion Valley Road	Hotel Circle North
49	Mission Center Road	Camino Del Rio North
50	I-8 Ramps	Camino Del Rio North
51	Camino Del Este	Camino Del Rio North
52	Qualcomm Way	Camino Del Rio North/ I-8 WB Ramps
53	Morena Boulevard	Taylor Street
54	I-8 Ramps	Taylor Street
55	Hotel Circle North	Hotel Circle South
56	I-8 EB Ramps	Hotel Circle South
57	Bachman Place	Hotel Cirle South
58	Mission Center Road	I-8 EB Ramps
59	Mission Center Road	Camino Del Rio South
60	Qualcomm Way	I-8 EB Ramps
61	Qualcomm Way/Texas Street	Camino Del Rio South
62	Mission City Parkway	Camino Del Rio South
63	I-15 SB Offramp	Camino Del Rio South
64	SR-15 SB Onramp	Camino Del Rio South
65	I-15 NB Onramp	Camino Del Rio South
66	I-8 EB/I-15 SB Offramps	Fairmount Avenue
67	Texas Street	Madison Avenue

1

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-5 NB Ramps
EAST & WEST: Tecolote Road

PROJECT #: PDT15-0911-01
LOCATION #: 1
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND I-5 NB Ramps			SOUTHBOUND I-5 NB Ramps			EASTBOUND Tecolote Road			WESTBOUND Tecolote Road			
	LANES:	NL 0.5	NT 0.5	NR 1	SL X	ST X	SR X	EL 2	ET 2	ER X	WL X	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	11	7	37				255	75			84	103	572
	7:15 AM	16	7	36				248	79			80	114	580
	7:30 AM	18	5	52				305	144			80	139	743
	7:45 AM	11	10	71				258	155			148	113	766
	8:00 AM	19	5	48				244	124			149	94	683
	8:15 AM	24	5	76				256	129			101	130	721
	8:30 AM	20	3	75				222	139			104	106	669
	8:45 AM	42	12	85				234	143			102	83	701
	VOLUMES	161	54	480	0	0	0	2,022	988	0	0	848	83	5,435
	APPROACH %	23%	8%	69%	0%	0%	0%	67%	33%	0%	0%	91%	9%	
	APP/DEPART	695	/	2,159	0	/	0	3,010	/	1,468	931	/	1,009	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	72	25	247	0	0	0	1,063	552	0	0	478	476	2,913
	APPROACH %	21%	7%	72%	0%	0%	0%	66%	34%	0%	0%	50%	50%	
	PEAK HR FACTOR		0.819			0.000			0.899			0.914		0.951
	APP/DEPART	344	/	1,564	0	/	0	1,615	/	799	954	/	550	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	47	5	117				190	133			124	106	722
	4:15 PM	62	9	121				201	123			121	167	804
	4:30 PM	38	7	102				207	127			139	106	726
	4:45 PM	61	2	138				179	140			142	86	748
	5:00 PM	59	3	125				208	155			137	110	797
	5:15 PM	75	5	135				192	153			113	131	804
	5:30 PM	74	2	114				179	102			108	107	686
	5:45 PM	45	1	99				150	115			119	101	630
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	461	34	951	0	0	0	1,506	1,048	0	0	1,003	914	5,917
	APPROACH %	32%	2%	66%	0%	0%	0%	59%	41%	0%	0%	52%	48%	
	APP/DEPART	1,446	/	2,454	0	/	0	2,554	/	1,999	1,917	/	1,464	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	233	17	500	0	0	0	786	575	0	0	531	433	3,075
	APPROACH %	31%	2%	67%	0%	0%	0%	58%	42%	0%	0%	55%	45%	
	PEAK HR FACTOR		0.872			0.000			0.937			0.837		0.956
	APP/DEPART	750	/	1,236	0	/	0	1,361	/	1,075	964	/	764	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
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2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9-10-15	NORTH & SOUTH:	I-5 SB Ramps	LOCATION #:	2
THURSDAY	EAST & WEST:	Tecolote Road	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N / ◄ W / E ► / S ▼

		NORTHBOUND I-5 SB Ramps			SOUTHBOUND I-5 SB Ramps			EASTBOUND Tecolote Road			WESTBOUND Tecolote Road			
	LANES:	NL X	NT X	NR X	SL 1	ST 0	SR 1	EL X	ET 2	ER 1	WL 2	WT 2	WR X	TOTAL
WEEKDAY AM	7:00 AM				42	0	158		284	0	61	38		583
	7:15 AM				85	0	205		244	0	63	40		637
	7:30 AM				52	1	185		391	0	55	41		725
	7:45 AM				77	0	181		344	0	94	57		753
	8:00 AM				67	0	156		307	0	98	78		706
	8:15 AM				65	0	163		331	0	70	62		691
	8:30 AM				82	1	160		283	0	72	54		652
	8:45 AM				64	0	160		321	1	84	69		699
	VOLUMES	0	0	0	534	2	1,368	0	2,505	1	597	439	0	5,446
	APPROACH %	0%	0%	0%	28%	0%	72%	0%	100%	0%	58%	42%	0%	
	APP/DEPART	0	/	0	1,904	/	600	2,506	/	3,039	1,036	/	1,807	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	0	0	261	1	685	0	1,373	0	317	238	0	2,875
	APPROACH %	0%	0%	0%	28%	0%	72%	0%	100%	0%	57%	43%	0%	
	PEAK HR FACTOR		0.000			0.918			0.878			0.788		0.955
	APP/DEPART	0	/	0	947	/	318	1,373	/	1,634	555	/	923	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				71	2	237		259	0	74	93		736
	4:15 PM				63	2	264		267	2	75	106		779
	4:30 PM				69	0	241		266	5	82	97		760
	4:45 PM				69	2	311		251	0	86	109		828
	5:00 PM				73	3	269		282	0	75	122		824
	5:15 PM				74	0	326		273	3	53	129		858
	5:30 PM				55	0	330		231	1	54	128		799
	5:45 PM				68	1	298		204	0	62	100		733
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	542	10	2,276	0	2,033	11	561	884	0	6,317
	APPROACH %	0%	0%	0%	19%	0%	80%	0%	99%	1%	39%	61%	0%	
	APP/DEPART	0	/	0	2,828	/	582	2,044	/	2,575	1,445	/	3,160	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	0	0	271	5	1,236	0	1,037	4	268	488	0	3,309
	APPROACH %	0%	0%	0%	18%	0%	82%	0%	100%	0%	35%	65%	0%	
	PEAK HR FACTOR		0.000			0.945			0.923			0.959		0.964
	APP/DEPART	0	/	0	1,512	/	277	1,041	/	1,308	756	/	1,724	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
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3

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9/16/15	NORTH & SOUTH:	I-805 SB Ramps	LOCATION #:	3
WEDNESDAY	EAST & WEST:	Phyllis Place	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-805 SB Ramps			SOUTHBOUND I-805 SB Ramps			EASTBOUND Phyllis Place			WESTBOUND Phyllis Place			
	LANES:	NL X	NT X	NR X	SL 0.5	ST 0.5	SR 1	EL X	ET 1	ER 0	WL 1	WT 1	WR X	TOTAL
WEEKDAY AM	7:00 AM				51	0	0		22	6	87	7		173
	7:15 AM				53	0	5		21	10	104	3		196
	7:30 AM				74	0	3		16	8	124	10		235
	7:45 AM				94	0	5		13	12	109	6		239
	8:00 AM				78	1	2		17	7	98	7		210
	8:15 AM				62	0	9		18	6	101	12		208
	8:30 AM				68	0	1		13	14	98	7		201
	8:45 AM				55	0	3		22	7	73	10		170
	VOLUMES	0	0	0	535	1	28	0	142	70	794	62	0	1,632
	APPROACH %	0%	0%	0%	95%	0%	5%	0%	67%	33%	93%	7%	0%	
	APP/DEPART	0	/	0	564	/	865	212	/	677	856	/	90	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	0	0	308	1	19	0	64	33	432	35	0	892
	APPROACH %	0%	0%	0%	94%	0%	6%	0%	66%	34%	93%	7%	0%	
	PEAK HR FACTOR		0.000			0.828			0.970			0.871		0.933
	APP/DEPART	0	/	0	328	/	466	97	/	372	467	/	54	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				46	0	10		13	6	157	15		247
	4:15 PM				50	0	2		8	3	107	14		184
	4:30 PM				45	0	6		9	4	178	22		264
	4:45 PM				39	0	11		8	9	159	29		255
	5:00 PM				40	0	12		10	7	197	20		286
	5:15 PM				44	1	6		11	5	182	18		267
	5:30 PM				33	6	11		14	1	141	23		229
	5:45 PM				35	0	10		9	2	144	18		218
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	332	7	68	0	82	37	1,265	159	0	1,950
	APPROACH %	0%	0%	0%	82%	2%	17%	0%	69%	31%	89%	11%	0%	
	APP/DEPART	0	/	0	407	/	1,309	119	/	414	1,424	/	227	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	0	0	168	1	35	0	38	25	716	89	0	1,072
	APPROACH %	0%	0%	0%	82%	0%	17%	0%	60%	40%	89%	11%	0%	
	PEAK HR FACTOR		0.000			0.981			0.926			0.927		0.937
	APP/DEPART	0	/	0	204	/	742	63	/	206	805	/	124	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
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PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
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				0
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				0
1	0	0	0	1

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
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												0
0	0	0	0	0	0	0	0	0	0	0	0	0

4

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-805 NB Ramps
EAST & WEST: Murray Ridge Road

PROJECT #: PDT15-0911-01
LOCATION #: 4
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-805 NB Ramps			SOUTHBOUND I-805 NB Ramps			EASTBOUND Murray Ridge Road			WESTBOUND Murray Ridge Road			
	LANES:	NL 0.5	NT 0.5	NR 1	SL X	ST X	SR X	EL 1	ET 1	ER X	WL X	WT 1.5	WR 0.5	TOTAL
WEEKDAY AM	7:00 AM	4	0	99				14	53			90	75	335
	7:15 AM	2	0	94				14	59			101	78	348
	7:30 AM	3	0	118				12	69			138	93	433
	7:45 AM	5	2	167				10	101			103	67	455
	8:00 AM	6	3	172				10	88			104	78	461
	8:15 AM	5	3	146				10	67			108	62	401
	8:30 AM	4	4	141				7	71			93	61	381
	8:45 AM	8	0	169				14	68			88	46	393
	VOLUMES	37	12	1,106	0	0	0	91	576	0	0	825	560	3,207
	APPROACH %	3%	1%	96%	0%	0%	0%	14%	86%	0%	0%	60%	40%	
	APP/DEPART	1,155	/	663	0	/	0	667	/	1,682	1,385	/	862	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	19	8	603	0	0	0	42	325	0	0	453	300	1,750
	APPROACH %	3%	1%	96%	0%	0%	0%	11%	89%	0%	0%	60%	40%	
	PEAK HR FACTOR		0.870			0.000			0.827			0.815		0.949
	APP/DEPART	630	/	350	0	/	0	367	/	928	753	/	472	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	7	0	118				9	54			158	61	407
	4:15 PM	12	0	109				5	49			117	81	373
	4:30 PM	13	0	105				11	44			183	84	440
	4:45 PM	22	0	121				5	39			172	67	426
	5:00 PM	5	1	118				7	45			205	100	481
	5:15 PM	7	1	118				8	47			193	110	484
	5:30 PM	9	0	110				4	41			158	72	394
	5:45 PM	8	1	110				6	39			148	88	400
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	83	3	909	0	0	0	55	358	0	0	1,334	663	3,405
	APPROACH %	8%	0%	91%	0%	0%	0%	13%	87%	0%	0%	67%	33%	
	APP/DEPART	995	/	721	0	/	0	413	/	1,267	1,997	/	1,417	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	47	2	462	0	0	0	31	175	0	0	753	361	1,831
	APPROACH %	9%	0%	90%	0%	0%	0%	15%	85%	0%	0%	68%	32%	
	PEAK HR FACTOR		0.893			0.000			0.936			0.913		0.946
	APP/DEPART	511	/	394	0	/	0	206	/	637	1,114	/	800	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
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5

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9/16/15	NORTH & SOUTH:	Mission Center Road	LOCATION #:	5
WEDNESDAY	EAST & WEST:	Mission Valley Road/Civita Boulevard	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Mission Valley Road/Civita Boulevard			WESTBOUND Mission Valley Road/Civita Boulevard			
	LANES:	NL 2	NT 2	NR 1	SL 1	ST 2	SR 0	EL 1	ET 1	ER 1	WL 2	WT 0.5	WR 0.5	TOTAL
WEEKDAY AM	7:00 AM	38	43	22	10	41	61	5	1	7	31	1	24	284
	7:15 AM	76	51	21	7	51	35	2	0	8	16	0	17	284
	7:30 AM	102	41	14	8	80	41	3	0	9	30	2	16	346
	7:45 AM	119	52	11	1	83	87	8	1	12	19	5	10	408
	8:00 AM	103	48	11	5	56	84	14	1	19	33	0	21	395
	8:15 AM	80	35	9	4	67	83	10	1	18	31	1	18	357
	8:30 AM	78	30	12	3	61	53	10	0	22	23	4	11	307
	8:45 AM	84	31	14	7	67	94	7	0	33	19	4	8	368
	VOLUMES	680	331	114	45	506	538	59	4	128	202	17	125	2,749
	APPROACH %	60%	29%	10%	4%	46%	49%	31%	2%	67%	59%	5%	36%	
	APP/DEPART	1,125	/	515	1,089	/	836	191	/	163	344	/	1,235	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	404	176	45	18	286	295	35	3	58	113	8	65	1,506
	APPROACH %	65%	28%	7%	3%	48%	49%	36%	3%	60%	61%	4%	35%	
	PEAK HR FACTOR		0.859			0.876			0.706			0.861		0.923
	APP/DEPART	625	/	276	599	/	457	96	/	66	186	/	707	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	11	100	15	9	62	8	62	1	83	13	0	17	381
	4:15 PM	25	103	13	7	77	14	61	1	75	21	1	7	405
	4:30 PM	15	98	11	9	98	9	89	1	81	14	2	16	443
	4:45 PM	29	107	22	11	113	10	59	3	74	19	2	14	463
	5:00 PM	30	139	29	8	99	24	122	6	108	23	0	16	604
	5:15 PM	43	89	15	8	102	15	71	2	53	22	0	13	433
	5:30 PM	23	109	18	12	105	9	49	1	42	21	2	11	402
	5:45 PM	25	101	18	7	87	19	39	2	44	12	1	9	364
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	201	846	141	71	743	108	552	17	560	145	8	103	3,495
	APPROACH %	17%	71%	12%	8%	81%	12%	49%	2%	50%	57%	3%	40%	
	APP/DEPART	1,188	/	1,501	922	/	1,448	1,129	/	229	256	/	317	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	117	433	77	36	412	58	341	12	316	78	4	59	1,943
	APPROACH %	19%	69%	12%	7%	81%	11%	51%	2%	47%	55%	3%	42%	
	PEAK HR FACTOR		0.792			0.944			0.709			0.904		0.804
	APP/DEPART	627	/	833	506	/	806	669	/	125	141	/	179	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
1				1
1				1
1				1
		2	1	3
				0
			1	1
				0
3	0	2	2	7

				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

2				2
			3	3
				0
			1	1
1		1		2
1				1
1				1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
5	0	1	4	10

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
0	2	3	0	5
0	2	1	0	3
0	3	2	0	5
0	1	1	0	2
0	1	1	2	4
0	0	0	2	2
0	2	2	1	5
0	2	1	0	3
				0
PM				0
0	1	0	2	3
0	2	0	3	5
0	0	1	1	2
0	3	0	3	6
0	2	1	1	4
0	0	2	0	2
0	1	1	1	3
0	1	1	2	4
				0
				0
				0
				0
				0
				0
0	23	17	18	58

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			1		1
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0		1	0		1
												0
PM												0
	0			0			1			0		0
	0			0			0			0		0
	0			0		1	0			0		0
	0			0			3			1		1
	0			1			0			0		0
	0			0			3			0		0
	0			0			0			0		0
	0			0			0			1		1
												0
												0
												0
												0
												0
												3
0	0	0	0	1	0	1	7	0	1	3	0	7

6

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: Westside Drive

PROJECT #: PDT15-0911-01
LOCATION #: 6
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Westside Drive			WESTBOUND Westside Drive			
	LANES:	NL 2	NT 3	NR 1	SL 1	ST 2	SR 0	EL 0.5	ET 0.5	ER 1	WL 1	WT 1	WR 0	TOTAL
WEEKDAY AM	7:00 AM	48	110	11	2	51	18	6	0	33	17	8	8	312
	7:15 AM	63	119	4	0	54	16	10	1	31	24	6	4	332
	7:30 AM	49	120	11	1	84	23	17	1	33	35	11	7	392
	7:45 AM	62	144	11	1	100	16	19	2	50	30	3	5	443
	8:00 AM	68	162	11	0	90	17	5	0	41	26	7	4	431
	8:15 AM	50	111	5	1	92	14	12	3	24	35	3	6	356
	8:30 AM	53	107	11	4	91	15	9	1	49	32	5	3	380
	8:45 AM	46	108	11	5	95	18	12	3	34	34	2	3	371
	VOLUMES	439	981	75	14	657	137	90	11	295	233	45	40	3,017
	APPROACH %	29%	66%	5%	2%	81%	17%	23%	3%	74%	73%	14%	13%	
	APP/DEPART	1,495	/	1,111	808	/	1,185	396	/	100	318	/	621	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	229	537	38	3	366	70	53	6	148	126	24	22	1,622
	APPROACH %	28%	67%	5%	1%	83%	16%	26%	3%	71%	73%	14%	13%	
	PEAK HR FACTOR		0.834			0.938			0.729			0.811		0.915
	APP/DEPART	804	/	612	439	/	640	207	/	47	172	/	323	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	72	96	26	0	153	20	14	11	112	9	4	2	519
	4:15 PM	63	115	23	1	131	20	17	5	67	15	1	3	461
	4:30 PM	75	123	49	3	158	23	17	8	84	28	6	4	578
	4:45 PM	60	113	27	9	155	26	21	7	89	15	4	4	530
	5:00 PM	78	141	20	5	206	16	30	5	99	31	0	1	632
	5:15 PM	89	149	40	6	201	21	24	4	105	14	1	4	658
	5:30 PM	71	104	31	7	134	15	25	2	101	20	6	4	520
	5:45 PM	68	142	33	1	144	21	24	12	90	19	5	3	562
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	576	983	249	32	1,282	162	172	54	747	151	27	25	4,460
	APPROACH %	32%	54%	14%	2%	87%	11%	18%	6%	77%	74%	13%	12%	
	APP/DEPART	1,808	/	1,180	1,476	/	2,180	973	/	335	203	/	765	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	302	526	136	23	720	86	92	24	377	88	11	13	2,398
	APPROACH %	31%	55%	14%	3%	87%	10%	19%	5%	76%	79%	10%	12%	
	PEAK HR FACTOR		0.867			0.909			0.920			0.737		0.911
	APP/DEPART	964	/	631	829	/	1,185	493	/	183	112	/	399	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
	1			1
				0
0	1	0	0	1
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
2				2
3				3
2				2
2				2
1				1
1				1
1				1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
12	0	0	0	12

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
0	3	1	2	6
0	1	1	0	2
0	6	2	0	8
0	4	1	1	6
0	6	0	0	6
0	2	1	0	3
0	2	1	0	3
0	2	0	2	4
				0
pm				0
0	6	1	3	10
0	5	1	5	11
0	3	2	2	7
0	9	2	2	13
0	8	0	3	11
0	5	1	2	8
0	13	1	3	17
0	6	4	2	12
				0
				0
				0
				0
				0
				0
0	81	19	27	127

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			1			0			0		0
	0			0			0			0		0
	0			0			0			0		0
												0
pm												0
	0			0			0			0		0
	0			1			0			0	2	2
	0			0		1	1			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			1			0		0
	0			0			0			0		0
	0			0			1			0		0
												0
												0
												0
												0
												0
												2
0	0	0	0	2	0	1	3	0	0	0	2	4

7

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9-10-15	NORTH & SOUTH:	Sea World Drive	LOCATION #:	7
THURSDAY	EAST & WEST:	Friars Road	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Sea World Drive			SOUTHBOUND Sea World Drive			EASTBOUND Friars Road			WESTBOUND Friars Road			
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	LANES:	X	2	1	2	2	X	X	X	X	1.5	X	1.5	
WEEKDAY AM	7:00 AM		274	65	21	146					72		37	615
	7:15 AM		313	146	51	145					49		52	756
	7:30 AM		342	91	45	145					90		61	774
	7:45 AM		320	108	31	173					88		47	767
	8:00 AM		287	67	36	187					108		48	733
	8:15 AM		263	95	24	173					159		82	796
	8:30 AM		266	127	24	169					157		87	830
	8:45 AM		216	137	25	154					151		76	759
	VOLUMES	0	2,281	836	257	1,292	0	0	0	0	874	0	490	6,030
	APPROACH %	0%	73%	27%	17%	83%	0%	0%	0%	0%	64%	0%	36%	
	APP/DEPART	3,117	/	2,771	1,549	/	2,166	0	/	1,093	1,364	/	0	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	1,136	397	115	702	0	0	0	0	512	0	264	3,126
	APPROACH %	0%	74%	26%	14%	86%	0%	0%	0%	0%	66%	0%	34%	
	PEAK HR FACTOR		0.895			0.916			0.000			0.795		0.942
	APP/DEPART	1,533	/	1,400	817	/	1,214	0	/	512	776	/	0	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM		263	155	51	252					109		27	857
	4:15 PM		282	230	76	292					110		34	1,024
	4:30 PM		277	206	81	274					88		36	962
	4:45 PM		257	196	112	299					76		38	978
	5:00 PM		328	181	86	259					90		29	973
	5:15 PM		262	176	96	308					136		36	1,014
	5:30 PM		271	145	98	325					159		37	1,035
	5:45 PM		184	98	60	333					89		27	791
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	2,124	1,387	660	2,342	0	0	0	0	857	0	264	7,634
	APPROACH %	0%	60%	40%	22%	78%	0%	0%	0%	0%	76%	0%	24%	
	APP/DEPART	3,511	/	2,388	3,002	/	3,199	0	/	2,047	1,121	/	0	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	1,118	698	392	1,191	0	0	0	0	461	0	140	4,000
	APPROACH %	0%	62%	38%	25%	75%	0%	0%	0%	0%	77%	0%	23%	
	PEAK HR FACTOR		0.892			0.936			0.000			0.767		0.966
	APP/DEPART	1,816	/	1,258	1,583	/	1,652	0	/	1,090	601	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
			1	1
				0
				0
	2			2
	3			3
	2			2
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	7	0	1	8

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	
0	1	0	0	1	7:00 AM
0	0	0	0	0	7:15 AM
0	0	0	0	0	7:30 AM
0	0	0	0	0	7:45 AM
0	0	0	0	0	8:00 AM
0	0	0	0	0	8:15 AM
0	0	0	0	0	8:30 AM
0	0	0	0	0	8:45 AM
				0	
				0	
	pm			0	
0	0	0	0	0	4:00 PM
0	0	0	0	0	4:15 PM
0	1	0	0	1	4:30 PM
0	0	0	0	0	4:45 PM
0	1	0	0	1	5:00 PM
0	0	0	0	0	5:15 PM
0	0	0	0	0	5:30 PM
0	0	0	0	0	5:45 PM
				0	
				0	
				0	
				0	
				0	
0	3	0	0	3	

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	2			0					1			1
	4		2	0					2			2
	1			1					4			4
	2	1		3								0
	0	3		0								0
	1			0					1			1
	3			0								0
	1			0								0
												0
												0
			pm						pm			0
	0	1		1								0
	3			0								0
	1	1		1								0
	0			0								0
	1			0					2			2
	0			0								0
	1			0								0
	0			0					3			3
												0
												0
												0
												0
												6
0	20	6	2	6	0	0	0	0	13	0	0	19

8

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Napa Street
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 8
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Napa Street			SOUTHBOUND Napa Street			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL X	NT X	NR X	SL 1.5	ST X	SR 1.5	EL 1	ET 2	ER X	WL X	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM				18		7	24	55			86	87	277
	7:15 AM				35		9	52	110			117	104	427
	7:30 AM				45		10	51	103			123	136	468
	7:45 AM				40		17	41	83			122	155	458
	8:00 AM				55		20	34	73			162	165	509
	8:15 AM				53		23	35	72			209	207	599
	8:30 AM				48		16	68	78			233	187	630
	8:45 AM				50		27	80	86			183	175	601
	VOLUMES	0	0	0	344	0	129	385	660	0	0	1,235	1,216	3,969
	APPROACH %	0%	0%	0%	73%	0%	27%	37%	63%	0%	0%	50%	50%	
	APP/DEPART	0	/	1,601	473	/	0	1,045	/	1,004	2,451	/	1,364	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	0	0	206	0	86	217	309	0	0	787	734	2,339
	APPROACH %	0%	0%	0%	71%	0%	29%	41%	59%	0%	0%	52%	48%	
	PEAK HR FACTOR		0.000			0.948			0.792			0.905		0.928
	APP/DEPART	0	/	951	292	/	0	526	/	515	1,521	/	873	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				92		45	25	198			80	61	501
	4:15 PM				128		35	10	272			81	66	592
	4:30 PM				131		43	35	251			83	75	618
	4:45 PM				118		26	32	274			83	103	636
	5:00 PM				142		41	40	219			92	77	611
	5:15 PM				140		54	30	255			108	79	666
	5:30 PM				123		66	32	201			117	91	630
	5:45 PM				90		34	18	142			80	79	443
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	964	0	344	222	1,812	0	0	724	631	4,697
	APPROACH %	0%	0%	0%	74%	0%	26%	11%	89%	0%	0%	53%	47%	
	APP/DEPART	0	/	853	1,308	/	0	2,034	/	2,776	1,355	/	1,068	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	0	0	523	0	187	134	949	0	0	400	350	2,543
	APPROACH %	0%	0%	0%	74%	0%	26%	12%	88%	0%	0%	53%	47%	
	PEAK HR FACTOR		0.000			0.915			0.885			0.901		0.955
	APP/DEPART	0	/	484	710	/	0	1,083	/	1,472	750	/	587	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
		1		1
		1		1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	2	0	2

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
0		9	0	9
4		4	0	8
6		8	1	15
3		9	0	12
5		7	1	13
5		12	1	18
6		8	0	14
3		8	0	11
				0
		pm		0
6		10	0	16
1		5	0	6
7		16	0	23
6		7	2	15
12		10	0	22
4		10	1	15
1		9	0	10
3		4	5	12
				0
				0
				0
				0
				0
				0
72	0	136	11	219

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
			0				2			5		5
			1				1			3		3
			2				0			1		1
			0			1	0			1		1
			2				0			4		4
			1			1	0			1		1
			0			1	2			1		1
			5				1			0		0
												0
										pm		0
			1				1			2		2
			0		1	1	0			1		1
			0				1			0		0
			0				0			1		1
			1				1			1		1
			0				2			2	1	3
			1			1	1			1	1	2
			1			1	4			5		5
												0
												0
												0
												0
												0
												22
0	0	0	15	0	1	6	16	0	0	29	2	53

9

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9-10-15	NORTH & SOUTH:	Colusa Street	LOCATION #:	9
THURSDAY	EAST & WEST:	Friars Road	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Colusa Street			SOUTHBOUND Colusa Street			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 0.5	NT 0.5	NR 1	SL 1	ST 0.5	SR 0.5	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	18	2	2	11	0	5	6	61	3	0	152	10	270
	7:15 AM	6	2	8	14	1	16	7	93	2	2	185	9	345
	7:30 AM	14	0	6	18	0	18	7	135	6	6	227	18	455
	7:45 AM	12	0	11	18	0	10	8	109	0	2	241	20	431
	8:00 AM	17	1	4	11	0	12	6	91	6	2	319	19	488
	8:15 AM	12	1	7	12	1	3	5	82	3	1	410	28	565
	8:30 AM	14	2	8	16	0	12	9	77	6	2	453	18	617
	8:45 AM	10	1	15	16	1	5	19	132	4	8	339	16	566
	VOLUMES	103	9	61	116	3	81	67	780	30	23	2,326	138	3,737
	APPROACH %	60%	5%	35%	58%	2%	41%	8%	89%	3%	1%	94%	6%	
	APP/DEPART	173	/	214	200	/	56	877	/	957	2,487	/	2,510	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	53	5	34	55	2	32	39	382	19	13	1,521	81	2,236
	APPROACH %	58%	5%	37%	62%	2%	36%	9%	87%	4%	1%	94%	5%	
	PEAK HR FACTOR		0.885			0.795			0.710			0.854		0.906
	APP/DEPART	92	/	125	89	/	34	440	/	471	1,615	/	1,606	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	3	0	7	21	6	8	12	273	11	3	126	5	475
	4:15 PM	5	0	0	23	1	13	7	300	9	7	156	14	535
	4:30 PM	2	0	2	15	2	12	15	385	13	13	125	7	591
	4:45 PM	4	0	2	26	0	7	14	372	14	12	149	15	615
	5:00 PM	10	1	4	30	1	11	14	350	10	4	155	12	602
	5:15 PM	5	0	3	42	4	11	10	321	8	7	156	13	580
	5:30 PM	9	0	5	41	4	20	18	332	11	11	172	5	628
	5:45 PM	3	0	2	16	2	11	9	235	9	6	142	11	446
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	41	1	25	214	20	93	99	2,568	85	63	1,181	82	4,472
	APPROACH %	61%	1%	37%	65%	6%	28%	4%	93%	3%	5%	89%	6%	
	APP/DEPART	67	/	182	327	/	168	2,752	/	2,807	1,326	/	1,315	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	28	1	14	139	9	49	56	1,375	43	34	632	45	2,425
	APPROACH %	65%	2%	33%	71%	5%	25%	4%	93%	3%	5%	89%	6%	
	PEAK HR FACTOR		0.717			0.758			0.921			0.945		0.965
	APP/DEPART	43	/	102	197	/	86	1,474	/	1,528	711	/	709	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
		1		1
1				1
		1		1
				0
		1		1
				0
1	0	3	0	4
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
		2		2
		0		0
		2		2
		3		3
		3		3
		2		2
		5		5
		1		1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	18	0	18

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
9	7	0	5	21
4	3	0	1	8
6	2	0	1	9
12	2	0	3	17
2	6	0	4	12
6	3	0	1	10
0	1	0	0	1
2	3	0	3	8
				0
	pm			0
0	2	0	1	3
1	2	0	0	3
1	1	0	0	2
3	2	0	0	5
2	5	0	3	10
3	4	0	2	9
1	3	0	2	6
3	8	0	3	14
				0
				0
				0
				0
				0
				0
55	54	0	29	138

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0	0	1	0			0			2		2
	0	0		0			5			4		4
	0	0		0			1			0		0
	0	0		0			2		1	1		2
	0	0		0			1			0		0
	0	0		0			1			0		0
	0	2		0			2			0		0
	0	0		0			0			0		0
												0
	pm						pm					0
	0	0		1			1			1		1
	0	0		0			2			0		0
	0	1		0			0			2		2
	0	0		0			1			0		0
	0	1		0			0			2		2
	0	1		0			2			0		0
	0	0		0			2			1		1
	0	0		0			4			1		1
												0
												0
												0
												0
												0
												9
0	0	5	1	1	0	0	24	0	1	14	0	24

10

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Via Las Cumbres
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 10
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Via Las Cumbres			SOUTHBOUND Via Las Cumbres			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL X	NT X	NR X	SL 1	ST X	SR 1	EL 1	ET 2	ER X	WL X	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM				33		27	23	60			134	69	346
	7:15 AM				46		34	70	77			178	129	534
	7:30 AM				60		41	62	108			209	133	613
	7:45 AM				54		40	33	125			255	112	619
	8:00 AM				43		23	30	80			358	105	639
	8:15 AM				34		35	19	78			407	122	695
	8:30 AM				34		24	13	115			445	120	751
	8:45 AM				48		33	25	105			290	118	619
	VOLUMES	0	0	0	352	0	257	275	748	0	0	2,276	908	4,816
	APPROACH %	0%	0%	0%	58%	0%	42%	27%	73%	0%	0%	71%	29%	
	APP/DEPART	0	/	1,183	609	/	0	1,023	/	1,100	3,184	/	2,533	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	0	0	159	0	115	87	378	0	0	1,500	465	2,704
	APPROACH %	0%	0%	0%	58%	0%	42%	19%	81%	0%	0%	76%	24%	
	PEAK HR FACTOR		0.000			0.729			0.736			0.869		0.900
	APP/DEPART	0	/	552	274	/	0	465	/	537	1,965	/	1,615	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				118		24	31	238			134	45	590
	4:15 PM				97		34	29	242			155	56	613
	4:30 PM				88		34	38	340			154	35	689
	4:45 PM				63		22	43	318			161	58	665
	5:00 PM				115		32	38	335			151	65	736
	5:15 PM				90		39	51	289			176	58	703
	5:30 PM				92		36	55	340			164	59	746
	5:45 PM				75		18	37	194			149	57	530
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	738	0	239	322	2,296	0	0	1,244	433	5,272
	APPROACH %	0%	0%	0%	76%	0%	24%	12%	88%	0%	0%	74%	26%	
	APP/DEPART	0	/	755	977	/	0	2,618	/	3,034	1,677	/	1,483	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	0	0	360	0	129	187	1,282	0	0	652	240	2,850
	APPROACH %	0%	0%	0%	74%	0%	26%	13%	87%	0%	0%	73%	27%	
	PEAK HR FACTOR		0.000			0.832			0.930			0.953		0.955
	APP/DEPART	0	/	427	489	/	0	1,469	/	1,642	892	/	781	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
	2			2
	1			1
				0
0	3	0	0	3
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
			1	1
				0
			1	1
				0
				0
				0
				0
	1			1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	1	0	2	3

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
0	0	0	0	0
0	0	0	0	0
2	0	0	1	3
6	0	0	0	6
4	0	0	0	4
2	0	0	0	2
5	0	0	0	5
0	0	0	0	0
				0
	PM			0
7	0	0	0	7
0	0	0	0	0
1	0	0	0	1
1	0	0	0	1
6	0	0	0	6
6	0	0	0	6
7	0	0	0	7
1	0	0	0	1
				0
				0
				0
				0
				0
				0
48	0	0	1	49

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			0			4			0		0
	0			0			2			0		0
	0			0			2			0		0
	0			0			3			7		7
	0			0			0			1		1
	0			0			2			0		0
	0			0			1			0		0
	0			0			0			0		0
												0
	PM						PM					0
	0			0			4			1		1
	0			0			2			0		0
	0			0			3			0		0
	0			0			0			2		2
	0			0			0			0		0
	0			0			0			1		1
	0			0			2			0		0
	0			0			0			0		0
												0
												0
												0
												0
												0
												12
0	0	0	0	0	0	0	25	0	0	12	0	24

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Fashion Valley Road
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 11
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Fashion Valley Road			SOUTHBOUND Fashion Valley Road			EASTBOUND Friars Road			WESTBOUND Friars Road			
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	LANES:	0.5	0.5	1	0	1	0	1	3	0	2	2	0	
WEEKDAY AM	7:00 AM	29	0	20	7	0	0	1	93	21	23	151	0	345
	7:15 AM	25	0	15	1	0	3	1	132	16	29	228	0	450
	7:30 AM	51	0	14	6	1	2	2	153	20	23	279	2	553
	7:45 AM	38	0	21	3	1	1	1	209	38	42	305	0	659
	8:00 AM	59	0	15	3	1	1	0	127	26	43	331	0	606
	8:15 AM	109	0	21	3	0	2	1	123	20	41	379	1	700
	8:30 AM	70	1	19	5	0	1	0	133	31	47	458	3	768
	8:45 AM	42	0	26	6	1	1	1	155	26	42	373	4	677
	VOLUMES	423	1	151	34	4	11	7	1,125	198	290	2,504	10	4,758
	APPROACH %	74%	0%	26%	69%	8%	22%	1%	85%	15%	10%	89%	0%	
	APP/DEPART	575	/	18	49	/	492	1,330	/	1,310	2,804	/	2,938	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	280	1	81	17	2	5	2	538	103	173	1,541	8	2,751
	APPROACH %	77%	0%	22%	71%	8%	21%	0%	84%	16%	10%	89%	0%	
	PEAK HR FACTOR		0.696			0.750			0.883			0.847		0.896
	APP/DEPART	362	/	11	24	/	278	643	/	636	1,722	/	1,826	0
WEEKDAY AM	11:00 AM	31	0	48	1	2	1	4	123	31	45	122	1	409
	11:15 AM	34	0	48	1	0	0	2	154	28	31	119	2	419
	11:30 AM	34	2	42	2	0	1	1	137	37	37	95	0	388
	11:45 AM	42	1	50	1	0	1	2	156	33	36	137	1	460
	12:00 PM	47	2	66	1	0	0	0	155	41	42	124	2	480
	12:15 PM	49	1	60	2	1	2	1	158	47	31	119	4	475
	12:30 PM	38	0	53	1	1	0	1	162	35	43	153	1	488
	12:45 PM	40	0	57	1	0	0	2	162	42	55	132	2	493
	VOLUMES	315	6	424	10	4	5	13	1,207	294	320	1,001	13	3,612
	APPROACH %	42%	1%	57%	53%	21%	26%	1%	80%	19%	24%	75%	1%	
	APP/DEPART	745	/	32	19	/	618	1,514	/	1,641	1,334	/	1,321	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	174	3	236	5	2	2	4	637	165	171	528	9	1,936
	APPROACH %	42%	1%	57%	56%	22%	22%	0%	79%	20%	24%	75%	1%	
	PEAK HR FACTOR		0.898			0.450			0.978			0.898		0.982
	APP/DEPART	413	/	16	9	/	338	806	/	878	708	/	704	0
WEEKDAY PM	4:00 PM	37	0	66	1	0	3	1	351	55	34	156	2	706
	4:15 PM	49	3	81	2	1	1	1	374	64	44	181	0	801
	4:30 PM	56	4	90	2	1	0	0	368	45	25	155	2	748
	4:45 PM	49	0	64	1	0	1	1	375	69	45	189	5	799
	5:00 PM	68	1	77	1	1	1	3	346	72	55	187	2	814
	5:15 PM	64	2	65	1	2	0	1	404	92	45	178	2	856
	5:30 PM	59	2	83	3	0	0	2	344	79	52	185	4	813
	5:45 PM	51	0	69	0	1	0	5	295	51	41	178	5	696
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	433	12	595	11	6	6	14	2,857	527	341	1,409	22	6,233
	APPROACH %	42%	1%	57%	48%	26%	26%	0%	84%	16%	19%	80%	1%	
	APP/DEPART	1,040	/	48	23	/	874	3,398	/	3,463	1,772	/	1,848	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	240	5	289	6	3	2	7	1,469	312	197	739	13	3,282
	APPROACH %	45%	1%	54%	55%	27%	18%	0%	82%	17%	21%	78%	1%	
	PEAK HR FACTOR		0.914			0.917			0.899			0.972		0.959
	APP/DEPART	534	/	25	11	/	512	1,788	/	1,764	949	/	981	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
		1		1
		1		1
		1		1
				0
				0
				0
				0
				0
0	0	3	0	3
		1		1
				0
				0
		1		1
			1	1
		1		1
				0
		3		3
0	0	6	1	7
				0
				0
				0
				0
				0

12

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9-10-15	NORTH & SOUTH:	Via De La Moda	LOCATION #:	12
THURSDAY	EAST & WEST:	Friars Road	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Via De La Moda			SOUTHBOUND Via De La Moda			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 1	NT 0	NR 1	SL X	ST X	SR X	EL 1	ET 3	ER 0	WL 2	WT 2	WR X	TOTAL
WEEKDAY AM	7:00 AM	0	0	4					114	0	5	177		300
	7:15 AM	0	0	2					154	3	13	287		459
	7:30 AM	0	2	7					199	3	14	309		534
	7:45 AM	3	0	1					198	3	16	324		545
	8:00 AM	0	0	7					161	5	16	432		621
	8:15 AM	0	0	7					146	2	16	428		599
	8:30 AM	1	0	6					172	2	21	490		692
	8:45 AM	3	0	3					174	6	31	406		623
	VOLUMES	7	2	37	0	0	0	0	1,318	24	132	2,853	0	4,373
	APPROACH %	15%	4%	80%	0%	0%	0%	0%	98%	2%	4%	96%	0%	
	APP/DEPART	46	/	2	0	/	156	1,342	/	1,355	2,985	/	2,860	0
	BEGIN PEAK HR	8:00 AM												
	VOLUMES	4	0	23	0	0	0	0	653	15	84	1,756	0	2,535
	APPROACH %	15%	0%	85%	0%	0%	0%	0%	98%	2%	5%	95%	0%	
	PEAK HR FACTOR	0.964			0.000				0.928			0.900		0.916
	APP/DEPART	27	/	0	0	/	99	668	/	676	1,840	/	1,760	0
WEEKDAY AM	11:00 AM	9	0	52					168	12	83	161		485
	11:15 AM	7	0	47					180	15	74	130		453
	11:30 AM	7	0	56					158	11	80	119		431
	11:45 AM	13	0	66					200	13	75	141		508
	12:00 PM	14	0	54					220	21	84	161		554
	12:15 PM	9	0	65					190	13	91	133		501
	12:30 PM	11	0	65					223	11	79	158		547
	12:45 PM	21	0	55					224	11	97	185		593
	VOLUMES	91	0	460	0	0	0	0	1,563	107	663	1,188	0	4,072
	APPROACH %	17%	0%	83%	0%	0%	0%	0%	94%	6%	36%	64%	0%	
	APP/DEPART	551	/	0	0	/	770	1,670	/	2,023	1,851	/	1,279	0
	BEGIN PEAK HR	12:00 PM												
	VOLUMES	55	0	239	0	0	0	0	857	56	351	637	0	2,195
	APPROACH %	19%	0%	81%	0%	0%	0%	0%	94%	6%	36%	64%	0%	
	PEAK HR FACTOR	0.967			0.000				0.947			0.876		0.925
	APP/DEPART	294	/	0	0	/	407	913	/	1,096	988	/	692	0
WEEKDAY PM	4:00 PM	12	0	64					403	16	47	185		727
	4:15 PM	15	0	68					404	19	57	199		762
	4:30 PM	14	0	60					417	10	54	175		730
	4:45 PM	10	0	53					420	15	55	224		777
	5:00 PM	12	0	68					399	12	73	226		790
	5:15 PM	11	0	57					433	14	49	234		798
	5:30 PM	9	0	64					418	15	58	205		769
	5:45 PM	11	0	77					329	19	46	195		677
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	94	0	511	0	0	0	0	3,223	120	439	1,643	0	6,030
	APPROACH %	16%	0%	84%	0%	0%	0%	0%	96%	4%	21%	79%	0%	
	APP/DEPART	605	/	0	0	/	559	3,343	/	3,734	2,082	/	1,737	0
	BEGIN PEAK HR	4:45 PM												
	VOLUMES	42	0	242	0	0	0	0	1,670	56	235	889	0	3,134
	APPROACH %	15%	0%	85%	0%	0%	0%	0%	97%	3%	21%	79%	0%	
	PEAK HR FACTOR	0.807			0.000				0.965			0.940		0.982
	APP/DEPART	284	/	0	0	/	291	1,726	/	1,912	1,124	/	931	0

U-TURNS				
NB X	SB X	EB X	WB X	TTL
		1	1	2
		2	1	3
		4	7	11
		2	9	11
			7	7
		2	7	9
		1	5	6
		1	8	9
0	0	13	45	58
		1	19	20
		5	14	19
			20	20
		3	17	20
			30	30
		3	22	25
		2	27	29
		1	28	29
0	0	15	177	192
1			11	12
			13	13
			15	15
			11	11
1		1	20	22
		2	14	16
		2	13	15
		3	14	17
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
2	0	8	111	121

PEDESTRIAN CROSSINGS						BIKE MOVEMENTS												
N SIDE	S SIDE	E SIDE	W SIDE	TOTAL		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
			5	5	7:00 AM													0
			1	1	7:15 AM	1												0
	3		7	10	7:30 AM								2			1		1
			6	6	7:45 AM								3		1	1		2
	1		1	2	8:00 AM								6					0
	5			5	8:15 AM	1							1			2		2
	1		3	4	8:30 AM	1									1	3		4
	1		5	6	8:45 AM													0
			2	2	11:00 AM								1		1	3		4
			3	3	11:15 AM													0
			1	1	11:30 AM	1									2			2
			2	2	11:45 AM								1		3			3
	1		1	2	12:00 PM													0
			2	2	12:15 PM								2			2		2
			2	2	12:30 PM								1			2		2
	1		2	3	12:45 PM								1					0
				0	4:00 PM								2		1	4		5
	1			1	4:15 PM	1			1						1			1
				0	4:30 PM	1												0
	1			1	4:45 PM								3		2	2		4
				0	5:00 PM								3		1	2		3
				0	5:15 PM	1							4					0
				0	5:30 PM	2							2			4		4
	1			1	5:45 PM								2					38
0	16	0	43	59		9	0	0	1	0	0	0	34	0	13	26	0	77

13

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9-10-15	NORTH & SOUTH:	Avenida De Las Tiendas	LOCATION #:	13
THURSDAY	EAST & WEST:	Friars Road	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Avenida De Las Tiendas			SOUTHBOUND Avenida De Las Tiendas			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 1	NT 0.5	NR 1.5	SL 1	ST 0.5	SR 0.5	EL 1	ET 3	ER 0	WL 2	WT 3	WR 0	TOTAL
WEEKDAY AM	7:00 AM	1	0	3	4	0	0	0	113	1	22	188	1	333
	7:15 AM	1	0	1	8	0	1	0	154	0	20	308	0	493
	7:30 AM	0	0	6	10	0	1	0	188	1	19	314	0	539
	7:45 AM	0	0	3	11	0	2	0	212	3	44	341	2	618
	8:00 AM	1	0	4	8	0	0	0	159	5	27	428	0	632
	8:15 AM	1	0	6	8	0	2	0	153	5	32	461	2	670
	8:30 AM	1	0	4	6	0	1	0	164	4	38	508	0	726
	8:45 AM	0	0	1	5	0	0	0	173	7	62	442	0	690
	VOLUMES	5	0	28	60	0	7	0	1,316	26	264	2,990	5	4,701
	APPROACH %	15%	0%	85%	90%	0%	10%	0%	98%	2%	8%	92%	0%	
	APP/DEPART	33	/	5	67	/	290	1,342	/	1,404	3,259	/	3,002	0
	BEGIN PEAK HR	8:00 AM												
	VOLUMES	3	0	15	27	0	3	0	649	21	159	1,839	2	2,718
	APPROACH %	17%	0%	83%	90%	0%	10%	0%	97%	3%	8%	92%	0%	
	PEAK HR FACTOR	0.643			0.750				0.931			0.916		0.936
	APP/DEPART	18	/	2	30	/	180	670	/	691	2,000	/	1,845	0
WEEKDAY AM	11:00 AM	6	0	38	5	0	1	3	199	33	155	234	0	674
	11:15 AM	5	0	39	1	0	1	1	193	16	159	211	4	630
	11:30 AM	5	0	41	7	0	1	2	220	7	162	219	1	665
	11:45 AM	9	0	50	3	0	0	2	241	14	153	222	5	699
	12:00 PM	8	0	45	3	0	0	1	223	13	165	278	2	738
	12:15 PM	5	0	37	2	0	0	0	265	12	172	239	4	736
	12:30 PM	9	0	55	3	0	0	5	277	15	180	279	0	823
	12:45 PM	10	0	58	4	0	1	4	281	14	188	245	3	808
	VOLUMES	57	0	363	28	0	4	18	1,899	124	1,334	1,927	19	5,773
	APPROACH %	14%	0%	86%	88%	0%	13%	1%	93%	6%	41%	59%	1%	
	APP/DEPART	420	/	37	32	/	1,458	2,041	/	2,290	3,280	/	1,988	0
	BEGIN PEAK HR	12:00 PM												
	VOLUMES	32	0	195	12	0	1	10	1,046	54	705	1,041	9	3,105
	APPROACH %	14%	0%	86%	92%	0%	8%	1%	94%	5%	40%	59%	1%	
	PEAK HR FACTOR	0.835			0.650				0.928			0.956		0.943
	APP/DEPART	227	/	19	13	/	759	1,110	/	1,253	1,755	/	1,074	0
WEEKDAY PM	4:00 PM	8	0	59	7	0	0	4	425	12	118	242	1	876
	4:15 PM	11	1	63	4	0	0	3	482	15	123	250	2	954
	4:30 PM	9	0	69	2	0	2	6	526	18	121	226	7	986
	4:45 PM	10	1	61	6	0	0	4	443	11	128	279	3	946
	5:00 PM	6	0	68	4	0	0	5	471	8	121	271	7	961
	5:15 PM	12	0	77	6	0	1	7	516	10	122	273	10	1,034
	5:30 PM	6	0	54	12	0	2	5	427	14	142	258	9	929
	5:45 PM	6	0	59	2	0	1	3	394	21	127	239	11	863
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	68	2	510	43	0	6	37	3,684	109	1,002	2,038	50	7,549
	APPROACH %	12%	0%	88%	88%	0%	12%	1%	96%	3%	32%	66%	2%	
	APP/DEPART	580	/	89	49	/	1,111	3,830	/	4,237	3,090	/	2,112	0
	BEGIN PEAK HR	4:30 PM												
	VOLUMES	37	1	275	18	0	3	22	1,956	47	492	1,049	27	3,927
	APPROACH %	12%	0%	88%	86%	0%	14%	1%	97%	2%	31%	67%	2%	
	PEAK HR FACTOR	0.879			0.375				0.920			0.956		0.949
	APP/DEPART	313	/	50	21	/	539	2,025	/	2,249	1,568	/	1,089	0

U-TURNS

	NB X	SB X	EB X	WB X	TTL
7:00 AM			1	5	6
7:15 AM				9	9
7:30 AM				7	7
7:45 AM				16	16
8:00 AM				8	8
8:15 AM				11	11
8:30 AM				11	11
8:45 AM				18	18
	0	0	1	85	86
11:00 AM				25	25
11:15 AM			1	30	31
11:30 AM				35	35
11:45 AM			2	32	34
12:00 PM				33	33
12:15 PM				32	32
12:30 PM			4	37	41
12:45 PM				32	32
	0	0	7	256	263
4:00 PM			2	17	19
4:15 PM			3	19	22
4:30 PM			5	22	27
4:45 PM			4	24	28
5:00 PM			4	30	34
5:15 PM			8	17	25
5:30 PM			1	20	21
5:45 PM			3	18	21
	0	0	30	167	197

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM					0
7:15 AM				1	1
7:30 AM					0
7:45 AM				1	1
8:00 AM				1	1
8:15 AM					0
8:30 AM		1		2	3
8:45 AM					0
11:00 AM				1	1
11:15 AM		1		2	3
11:30 AM	1			2	3
11:45 AM		1		2	3
12:00 PM					0
12:15 PM					0
12:30 PM				2	2
12:45 PM					0
4:00 PM		1		4	5
4:15 PM				7	7
4:30 PM				1	1
4:45 PM				3	3
5:00 PM				1	1
5:15 PM		1		3	4
5:30 PM		1			1
5:45 PM				2	2
	1	6	0	35	42

BIKE MOVEMENTS

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7:00 AM													0
7:15 AM													0
7:30 AM								2			1		1
7:45 AM	1							3		1			1
8:00 AM								5	1		1		2
8:15 AM								2		1			1
8:30 AM											2		2
8:45 AM								1	1		3		4
11:00 AM													0
11:15 AM										1	2		3
11:30 AM	1							1					0
11:45 AM													0
12:00 PM								1		2	2		4
12:15 PM	1							1			1		1
12:30 PM								2		1	2		3
12:45 PM											1		1
4:00 PM	2							1		1	3		4
4:15 PM													0
4:30 PM										1			1
4:45 PM	1	1						3			1		1
5:00 PM								2	1		1		2
5:15 PM								4					0
5:30 PM								2	1		3		4
5:45 PM								4					34
	6	1	0	0	0	0	0	34	4	8	23	0	69

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/10/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Ulric Street/SR-163 SB Ramps
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 14
CONTROL: SIGNAL

NOTES: WR IS TO ULRIC

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Ulric Street/SR-163 SB Ramps			SOUTHBOUND Ulric Street/SR-163 SB Ramps			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
WEEKDAY AM	7:00 AM												98	98
	7:15 AM												111	111
	7:30 AM												136	136
	7:45 AM												116	116
	8:00 AM												100	100
	8:15 AM												96	96
	8:30 AM												85	85
	8:45 AM												94	94
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	836	836
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	
	APP/DEPART	0	/	836	0	/	0	0	/	0	836	/	0	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	463	463
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.851		0.851
	APP/DEPART	0	/	463	0	/	0	0	/	0	463	/	0	0
WEEKDAY AM	11:00 AM												103	103
	11:15 AM												84	84
	11:30 AM												94	94
	11:45 AM												108	108
	12:00 PM												90	90
	12:15 PM												101	101
	12:30 PM												109	109
	12:45 PM												114	114
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	803	803
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	
	APP/DEPART	0	/	803	0	/	0	0	/	0	803	/	0	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	414	414
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.908		0.908
	APP/DEPART	0	/	414	0	/	0	0	/	0	414	/	0	0
WEEKDAY PM	4:00 PM												143	143
	4:15 PM												144	144
	4:30 PM												160	160
	4:45 PM												150	150
	5:00 PM												135	135
	5:15 PM												169	169
	5:30 PM												164	164
	5:45 PM												117	117
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	1,182	1,182
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	
	APP/DEPART	0	/	1,182	0	/	0	0	/	0	1,182	/	0	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	618	618
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.914		0.914
	APP/DEPART	0	/	618	0	/	0	0	/	0	618	/	0	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
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0	0	0	0	0
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				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
	0	0	0	0

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	
				0	7:00 AM
				0	7:15 AM
				0	7:30 AM
				0	7:45 AM
				0	8:00 AM
				0	8:15 AM
				0	8:30 AM
				0	8:45 AM
				0	11:00 AM
				0	11:15 AM
				0	11:30 AM
				0	11:45 AM
				0	12:00 PM
				0	12:15 PM
				0	12:30 PM
				0	12:45 PM
				0	4:00 PM
				0	4:15 PM
				0	4:30 PM
				0	4:45 PM
				0	5:00 PM
				0	5:15 PM
				0	5:30 PM
				0	5:45 PM
0	0	0	0	0	

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
										1		1
	1									1		1
												0
												0
												0
												0
												0
												0
												0
												0
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												0
												0
												0
												0
												0
												0
												0
												0
												0
0	1	0	0	0	0	0	0	0	0	2	0	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Ulric Street/SR-163 SB Ramps
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 14
CONTROL: SIGNAL

NOTES:
WR IS TO SB-ONRAMP

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Ulric Street/SR-163 SB Ramps			SOUTHBOUND Ulric Street/SR-163 SB Ramps			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 0.5	NT 0.5	NR 1	SL 2	ST 0	SR 1	EL 1	ET 3	ER 1	WL X	WT 3	WR 1	TOTAL
WEEKDAY AM	7:00 AM	45	9	118	60	2	20	8	94	42		157	122	677
	7:15 AM	76	15	194	61	1	21	10	95	55		248	113	889
	7:30 AM	89	11	212	79	2	20	11	168	71		240	102	1,005
	7:45 AM	91	10	197	85	1	21	16	131	63		305	108	1,028
	8:00 AM	118	12	176	91	4	15	8	99	44		317	102	986
	8:15 AM	130	2	212	58	1	23	18	127	51		392	107	1,121
	8:30 AM	107	9	185	73	0	18	10	128	47		380	107	1,064
	8:45 AM	103	5	211	71	1	20	8	96	39		321	114	989
	VOLUMES	759	73	1,505	578	12	158	89	938	412	0	2,360	875	7,759
	APPROACH %	32%	3%	64%	77%	2%	21%	6%	65%	29%	0%	73%	27%	
	APP/DEPART	2,337	/	1,037	748	/	424	1,439	/	3,021	3,235	/	3,277	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	446	33	770	307	6	77	52	485	205	0	1,394	424	4,199
	APPROACH %	36%	3%	62%	79%	2%	20%	7%	65%	28%	0%	77%	23%	
	PEAK HR FACTOR		0.908			0.886			0.883			0.911		0.936
	APP/DEPART	1,249	/	509	390	/	211	742	/	1,562	1,818	/	1,917	0
WEEKDAY AM	11:00 AM	113	9	157	64	0	20	22	161	102		226	121	995
	11:15 AM	101	7	143	55	0	14	24	174	94		244	108	964
	11:30 AM	102	7	142	45	1	19	13	177	125		306	112	1,049
	11:45 AM	103	15	166	60	1	18	13	193	121		312	146	1,148
	12:00 PM	105	10	138	61	0	18	18	210	127		227	152	1,066
	12:15 PM	97	13	151	43	1	15	13	217	112		308	125	1,095
	12:30 PM	93	9	183	52	2	19	21	201	165		293	135	1,173
	12:45 PM	93	7	199	68	2	17	17	220	135		284	141	1,183
	VOLUMES	807	77	1,279	448	7	140	141	1,553	981	0	2,200	1,040	8,673
	APPROACH %	37%	4%	59%	75%	1%	24%	5%	58%	37%	0%	68%	32%	
	APP/DEPART	2,163	/	1,258	595	/	988	2,675	/	3,280	3,240	/	3,147	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	388	39	671	224	5	69	69	848	539	0	1,112	553	4,517
	APPROACH %	35%	4%	61%	75%	2%	23%	5%	58%	37%	0%	67%	33%	
	PEAK HR FACTOR		0.918			0.856			0.941			0.961		0.955
	APP/DEPART	1,098	/	661	298	/	544	1,456	/	1,743	1,665	/	1,569	0
WEEKDAY PM	4:00 PM	79	18	202	76	1	29	20	379	212		257	143	1,416
	4:15 PM	95	16	172	104	1	35	33	385	196		209	154	1,400
	4:30 PM	79	12	181	102	1	36	27	425	175		277	161	1,476
	4:45 PM	82	12	255	89	0	45	31	429	169		284	159	1,555
	5:00 PM	94	13	208	121	0	34	33	442	207		283	153	1,588
	5:15 PM	80	10	193	82	1	43	28	442	155		292	124	1,450
	5:30 PM	79	7	181	145	0	41	37	391	145		249	133	1,408
	5:45 PM	101	18	219	86	0	33	16	359	159		251	113	1,355
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	689	106	1,611	805	4	296	225	3,252	1,418	0	2,102	1,140	11,648
	APPROACH %	29%	4%	67%	73%	0%	27%	5%	66%	29%	0%	65%	35%	
	APP/DEPART	2,406	/	1,471	1,105	/	1,422	4,895	/	5,668	3,242	/	3,087	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	335	47	837	394	2	158	119	1,738	706	0	1,136	597	6,069
	APPROACH %	27%	4%	69%	71%	0%	29%	5%	68%	28%	0%	66%	34%	
	PEAK HR FACTOR		0.873			0.745			0.940			0.978		0.955
	APP/DEPART	1,219	/	763	554	/	708	2,563	/	2,969	1,733	/	1,629	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
		1		1
				0
		1		1
				0
		1		1
		1		1
0	0	4	0	4
				0
				0
		2		2
		3		3
				0
		1		1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	6	0	6

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	
				0	7:00 AM
	1			1	7:15 AM
				0	7:30 AM
				0	7:45 AM
				0	8:00 AM
				0	8:15 AM
	1			1	8:30 AM
				0	8:45 AM
		1		1	11:00 AM
	1	2		3	11:15 AM
				0	11:30 AM
				0	11:45 AM
				0	12:00 PM
				0	12:15 PM
				0	12:30 PM
				0	12:45 PM
	2			2	4:00 PM
				0	4:15 PM
		1	1	2	4:30 PM
				0	4:45 PM
				0	5:00 PM
				0	5:15 PM
				0	5:30 PM
				0	5:45 PM
0	5	4	1	10	

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
										1		1
										2		2
												0
												0
												0
										1		1
						1						0
												0
												0
												0
												0
						1						0
												0
												0
												0
					1							0
												0
												0
										1		1
												0
												0
					1		1			1		1
										2		2
					1					1		1
										1		1
					2							0
					1							7
0	0	0	0	0	6	2	1	0	0	10	0	17

15

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:		PROJECT #:	
9/10/15	NORTH & SOUTH:	MISSION VALLEY SR-163 NB Ramps	LOCATION #:	PDT15-0911-01 15
THURSDAY	EAST & WEST:	Friars Road	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND SR-163 NB Ramps			SOUTHBOUND SR-163 NB Ramps			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL X	NT X	NR 1	SL X	ST X	SR 1	EL 1	ET 3	ER X	WL X	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM			121			129	84	215			223	141	913
	7:15 AM			168			194	91	248			281	152	1,134
	7:30 AM			184			184	127	298			290	162	1,245
	7:45 AM			191			177	126	297			349	188	1,328
	8:00 AM			242			149	88	305			369	174	1,327
	8:15 AM			218			175	105	277			385	152	1,312
	8:30 AM			206			189	80	287			385	189	1,336
	8:45 AM			189			181	92	275			319	144	1,200
	VOLUMES	0	0	1,519	0	0	1,378	793	2,202	0	0	2,601	1,302	9,795
	APPROACH %	0%	0%	100%	0%	0%	100%	26%	74%	0%	0%	67%	33%	
	APP/DEPART	1,519	/	2,095	1,378	/	0	2,995	/	3,721	3,903	/	3,979	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	0	857	0	0	690	399	1,166	0	0	1,488	703	5,303
	APPROACH %	0%	0%	100%	0%	0%	100%	25%	75%	0%	0%	68%	32%	
	PEAK HR FACTOR		0.885			0.913			0.925			0.954		0.992
	APP/DEPART	857	/	1,102	690	/	0	1,565	/	2,023	2,191	/	2,178	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM			121			189	148	518			336	219	1,531
	4:15 PM			142			223	167	503			302	206	1,543
	4:30 PM			138			242	155	541			352	218	1,646
	4:45 PM			126			216	152	618			384	213	1,709
	5:00 PM			142			248	131	613			336	221	1,691
	5:15 PM			118			223	129	584			349	241	1,644
	5:30 PM			141			216	109	594			332	219	1,611
	5:45 PM			129			195	119	491			305	206	1,445
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	1,057	0	0	1,752	1,110	4,462	0	0	2,696	1,743	12,820
	APPROACH %	0%	0%	100%	0%	0%	100%	20%	80%	0%	0%	61%	39%	
	APP/DEPART	1,057	/	2,853	1,752	/	0	5,572	/	5,519	4,439	/	4,448	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	0	524	0	0	929	567	2,356	0	0	1,421	893	6,690
	APPROACH %	0%	0%	100%	0%	0%	100%	19%	81%	0%	0%	61%	39%	
	PEAK HR FACTOR		0.923			0.936			0.949			0.969		0.979
	APP/DEPART	524	/	1,460	929	/	0	2,923	/	2,880	2,314	/	2,350	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
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0	0	0	0	0
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				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/10/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Frazee Road
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 16
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Frazee Road			SOUTHBOUND Frazee Road			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 2	NT 2	NR 0	SL 2	ST 1	SR 1	EL 2	ET 3	ER 1	WL 1	WT 3	WR 1	TOTAL
WEEKDAY AM	7:00 AM	30	7	3	2	3	37	112	129	63	4	235	14	639
	7:15 AM	29	9	5	1	3	40	110	146	80	10	278	12	723
	7:30 AM	33	17	8	5	5	49	132	186	90	8	439	16	988
	7:45 AM	28	27	6	7	2	41	173	249	147	13	390	10	1,093
	8:00 AM	31	30	8	8	9	67	162	214	110	10	429	11	1,089
	8:15 AM	30	29	7	3	8	60	138	217	119	14	433	12	1,070
	8:30 AM	39	25	7	7	11	57	173	206	104	9	423	10	1,071
	8:45 AM	37	22	8	11	15	79	159	214	127	10	444	9	1,135
	VOLUMES	257	166	52	44	56	430	1,159	1,561	840	78	3,071	94	7,808
	APPROACH %	54%	35%	11%	8%	11%	81%	33%	44%	24%	2%	95%	3%	
	APP/DEPART	475	/	1,419	530	/	974	3,560	/	1,657	3,243	/	3,758	0
	BEGIN PEAK HR	8:00 AM												
	VOLUMES	137	106	30	29	43	263	632	851	460	43	1,729	42	4,365
	APPROACH %	50%	39%	11%	9%	13%	79%	33%	44%	24%	2%	95%	2%	
	PEAK HR FACTOR		0.961			0.798			0.972			0.979		0.961
	APP/DEPART	273	/	780	335	/	546	1,943	/	910	1,814	/	2,129	0
WEEKDAY AM	11:00 AM	44	16	17	33	24	110	104	271	140	21	225	11	1,016
	11:15 AM	62	20	25	21	28	90	77	215	132	23	241	13	947
	11:30 AM	75	16	27	19	24	102	95	240	102	37	244	9	990
	11:45 AM	69	21	20	24	24	112	85	233	141	32	254	8	1,023
	12:00 PM	82	28	26	16	32	114	98	232	102	22	274	8	1,034
	12:15 PM	79	19	21	20	30	89	104	278	134	17	333	21	1,145
	12:30 PM	88	21	18	23	36	125	112	245	109	25	289	9	1,100
	12:45 PM	96	18	36	18	31	93	88	362	157	18	209	6	1,132
	VOLUMES	595	159	190	174	229	835	763	2,076	1,017	195	2,069	85	8,387
	APPROACH %	63%	17%	20%	14%	18%	67%	20%	54%	26%	8%	88%	4%	
	APP/DEPART	944	/	1,007	1,238	/	1,441	3,856	/	2,440	2,349	/	3,499	0
	BEGIN PEAK HR	12:00 PM												
	VOLUMES	345	86	101	77	129	421	402	1,117	502	82	1,105	44	4,411
	APPROACH %	65%	16%	19%	12%	21%	67%	20%	55%	25%	7%	90%	4%	
	PEAK HR FACTOR		0.887			0.852			0.832			0.830		0.963
	APP/DEPART	532	/	532	627	/	713	2,021	/	1,295	1,231	/	1,871	0
WEEKDAY PM	4:00 PM	111	23	35	32	30	136	74	450	190	24	259	6	1,370
	4:15 PM	59	13	31	28	21	136	88	484	174	19	278	8	1,339
	4:30 PM	112	21	48	28	24	155	78	513	177	28	287	13	1,484
	4:45 PM	114	25	52	37	16	152	89	506	178	30	302	11	1,512
	5:00 PM	101	17	33	32	28	144	99	528	151	18	276	9	1,436
	5:15 PM	98	20	41	39	18	145	98	500	170	21	290	10	1,450
	5:30 PM	101	25	34	31	22	94	101	544	165	23	296	9	1,445
	5:45 PM	91	14	37	26	10	105	90	451	175	18	256	6	1,279
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	787	158	311	253	169	1,067	717	3,976	1,380	181	2,244	72	11,315
	APPROACH %	63%	13%	25%	17%	11%	72%	12%	65%	23%	7%	90%	3%	
	APP/DEPART	1,256	/	947	1,489	/	1,730	6,073	/	4,540	2,497	/	4,098	0
	BEGIN PEAK HR	4:30 PM												
	VOLUMES	425	83	174	136	86	596	364	2,047	676	97	1,155	43	5,882
	APPROACH %	62%	12%	26%	17%	11%	73%	12%	66%	22%	7%	89%	3%	
	PEAK HR FACTOR		0.893			0.988			0.953			0.944		0.973
	APP/DEPART	682	/	490	818	/	859	3,087	/	2,357	1,295	/	2,176	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
		2		2
				0
		3		3
		4		4
		3		3
		4		4
		1		1
		5		5
0	0	22	0	22
		7	6	13
		3	7	10
		8	9	17
		2	7	9
		1	2	3
		1	1	2
		5		5
		7		7
0	0	34	32	66
		9		9
		14	4	18
		10	2	12
		8	3	11
		2	4	6
		4	2	6
		2	3	5
		3	2	5
0	0	52	20	72

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	
2	1	4		7	7:00 AM
	1	8		9	7:15 AM
		6		6	7:30 AM
	4	11		15	7:45 AM
1		13		14	8:00 AM
	2	6		8	8:15 AM
	1	2		3	8:30 AM
2		8		10	8:45 AM
	7	11		18	11:00 AM
		4		4	11:15 AM
2	1	8	1	12	11:30 AM
		6		6	11:45 AM
	1	3	3	7	12:00 PM
		4		4	12:15 PM
	1	3		4	12:30 PM
	1	5	1	7	12:45 PM
3			7	10	4:00 PM
2	4	4		10	4:15 PM
3	16	7		26	4:30 PM
3	3	6	1	13	4:45 PM
		10	1	11	5:00 PM
	4	17		21	5:15 PM
1	3	17		21	5:30 PM
1	3	9	2	15	5:45 PM
20	53	172	16	261	

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
											1	1
												0
												0
												0
	2											0
												0
												0
	1		2									0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
				1								0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0

17

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: Friars Road WB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 17
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Friars Road WB Ramps			WESTBOUND Friars Road WB Ramps			
	LANES:	NL 2	NT 2	NR X	SL X	ST 2	SR 1	EL X	ET X	ER X	WL 1	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM	40	108			49	68				18	0	44	327
	7:15 AM	41	115			58	56				20	0	67	357
	7:30 AM	37	106			70	77				28	0	78	396
	7:45 AM	28	121			88	78				38	0	84	437
	8:00 AM	33	128			91	62				30	0	91	435
	8:15 AM	41	113			98	60				39	0	80	431
	8:30 AM	40	104			86	67				40	0	74	411
	8:45 AM	33	94			92	66				27	0	62	374
	VOLUMES	293	889	0	0	632	534	0	0	0	240	0	580	3,168
	APPROACH %	25%	75%	0%	0%	54%	46%	0%	0%	0%	29%	0%	71%	
	APP/DEPART	1,182	/	1,469	1,166	/	872	0	/	0	820	/	827	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	142	466	0	0	363	267	0	0	0	147	0	329	1,714
	APPROACH %	23%	77%	0%	0%	58%	42%	0%	0%	0%	31%	0%	69%	
	PEAK HR FACTOR		0.944			0.949			0.000			0.975		0.981
	APP/DEPART	608	/	795	630	/	510	0	/	0	476	/	409	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	66	138			188	59				38	0	65	554
	4:15 PM	68	144			174	41				36	0	68	531
	4:30 PM	58	152			232	45				38	0	78	603
	4:45 PM	51	142			221	50				44	1	61	570
	5:00 PM	62	178			260	75				46	2	70	693
	5:15 PM	60	173			232	58				35	2	78	638
	5:30 PM	70	161			222	53				45	1	54	606
	5:45 PM	51	150			205	42				40	2	66	556
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	486	1,238	0	0	1,734	423	0	0	0	322	8	540	4,751
	APPROACH %	28%	72%	0%	0%	80%	20%	0%	0%	0%	37%	1%	62%	
	APP/DEPART	1,724	/	1,778	2,157	/	2,056	0	/	0	870	/	917	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	243	654	0	0	935	236	0	0	0	170	6	263	2,507
	APPROACH %	27%	73%	0%	0%	80%	20%	0%	0%	0%	39%	1%	60%	
	PEAK HR FACTOR		0.934			0.874			0.000			0.930		0.904
	APP/DEPART	897	/	917	1,171	/	1,105	0	/	0	439	/	485	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

18

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-16-15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: Friars Road EB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 18
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Friars Road EB Ramps			WESTBOUND Friars Road EB Ramps			
	LANES:	NL X	NT 2	NR 0	SL 1	ST 2	SR X	EL 1	ET 1	ER 1	WL X	WT X	WR X	TOTAL
WEEKDAY AM	7:00 AM		102	14	26	38		35	0	11				226
	7:15 AM		109	13	25	53		34	0	22				256
	7:30 AM		108	25	29	75		46	0	24				307
	7:45 AM		106	14	39	97		51	2	51				360
	8:00 AM		107	22	28	89		36	0	40				322
	8:15 AM		108	21	24	99		29	0	47				328
	8:30 AM		104	21	31	96		39	1	35				327
	8:45 AM		97	22	38	91		43	0	54				345
	VOLUMES	0	841	152	240	638	0	313	3	284	0	0	0	2,471
	APPROACH %	0%	85%	15%	27%	73%	0%	52%	1%	47%	0%	0%	0%	
	APP/DEPART	993	/	1,154	878	/	922	600	/	395	0	/	0	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	425	78	122	381	0	155	3	173	0	0	0	1,337
	APPROACH %	0%	84%	16%	24%	76%	0%	47%	1%	52%	0%	0%	0%	
	PEAK HR FACTOR		0.975			0.925			0.796			0.000		0.928
	APP/DEPART	503	/	580	503	/	554	331	/	203	0	/	0	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM		164	73	101	117		57	0	79				591
	4:15 PM		126	76	78	128		51	2	57				518
	4:30 PM		157	87	94	160		51	2	48				599
	4:45 PM		135	72	96	162		72	0	69				606
	5:00 PM		183	98	131	206		69	0	69				756
	5:15 PM		137	83	112	157		81	3	88				661
	5:30 PM		160	87	101	153		49	2	91				643
	5:45 PM		142	77	98	148		68	1	87				621
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	1,204	653	811	1,231	0	498	10	588	0	0	0	4,995
	APPROACH %	0%	65%	35%	40%	60%	0%	45%	1%	54%	0%	0%	0%	
	APP/DEPART	1,857	/	1,702	2,042	/	1,819	1,096	/	1,474	0	/	0	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	0	622	345	442	664	0	267	6	335	0	0	0	2,681
	APPROACH %	0%	64%	36%	40%	60%	0%	44%	1%	55%	0%	0%	0%	
	PEAK HR FACTOR		0.860			0.820			0.884			0.000		0.887
	APP/DEPART	967	/	889	1,106	/	999	608	/	793	0	/	0	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
	1			1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	1	0	0	1

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
		0	2	2
		2	2	4
		1	3	4
		0	1	1
		0	1	1
		0	1	1
		0	0	0
		0	1	1
				0
PM				0
		3	1	4
		0	3	3
		1	3	4
		0	3	3
		1	0	1
		3	0	3
		3	0	3
		1	1	2
				0
				0
				0
				0
				0
				0
0	0	15	22	37

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			0								0
	0			0								0
	0			0								0
	0			0								0
	0			0								0
	0			0								0
	0			1								0
	0			0								0
												0
PM												0
	0			0								0
	0			0								0
	0			0								0
	1			0								0
	0			0								0
	2			0								0
	0			0								0
	1			0								0
												0
												0
												0
												0
												0
												0
0	4	0	0	1	0	0	0	0	0	0	0	0

19

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Qualcomm Way
EAST & WEST: Friars Road WB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 19
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Qualcomm Way			SOUTHBOUND Qualcomm Way			EASTBOUND Friars Road WB Ramps			WESTBOUND Friars Road WB Ramps			
	LANES:	NL 0	NT 1	NR X	SL X	ST 1	SR 0	EL X	ET X	ER X	WL 2	WT 0	WR 0	TOTAL
WEEKDAY AM	7:00 AM	79	2			2	1				29	0	2	115
	7:15 AM	107	1			1	0				22	0	1	132
	7:30 AM	84	7			4	0				41	0	0	136
	7:45 AM	126	2			6	0				39	0	1	174
	8:00 AM	120	1			4	1				49	0	0	175
	8:15 AM	119	4			6	0				39	1	0	169
	8:30 AM	105	1			4	0				55	0	2	167
	8:45 AM	113	4			0	4				30	2	3	156
	VOLUMES	853	22	0	0	27	6	0	0	0	304	0	9	1,224
	APPROACH %	97%	3%	0%	0%	82%	18%	0%	0%	0%	97%	0%	3%	
	APP/DEPART	875	/	31	33	/	331	0	/	0	313	/	859	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	470	8	0	0	20	1	0	0	0	182	1	3	685
	APPROACH %	98%	2%	0%	0%	95%	5%	0%	0%	0%	98%	1%	2%	
	PEAK HR FACTOR		0.934			0.875			0.000			0.816		0.979
	APP/DEPART	478	/	11	21	/	202	0	/	0	186	/	472	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	93	0			2	0				67	1	0	163
	4:15 PM	103	2			2	1				78	3	0	189
	4:30 PM	129	2			3	0				97	1	0	232
	4:45 PM	106	2			1	0				86	3	0	198
	5:00 PM	130	1			2	3				86	0	0	222
	5:15 PM	107	2			1	0				97	1	0	208
	5:30 PM	106	0			0	0				79	0	0	185
	5:45 PM	102	2			0	3				95	1	1	204
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	876	11	0	0	11	7	0	0	0	685	10	1	1,601
	APPROACH %	99%	1%	0%	0%	61%	39%	0%	0%	0%	98%	1%	0%	
	APP/DEPART	887	/	12	18	/	696	0	/	0	696	/	893	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	472	7	0	0	7	3	0	0	0	366	5	0	860
	APPROACH %	99%	1%	0%	0%	70%	30%	0%	0%	0%	99%	1%	0%	
	PEAK HR FACTOR		0.914			0.500			0.000			0.946		0.927
	APP/DEPART	479	/	7	10	/	373	0	/	0	371	/	480	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
1				1
				0
				0
				0
1	0	0	0	1
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
1				1
				0
				0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Qualcomm Way
EAST & WEST: Friars Road EB Ramps
PROJECT #: PDT15-0911-01
LOCATION #: 20
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Qualcomm Way			SOUTHBOUND Qualcomm Way			EASTBOUND Friars Road EB Ramps			WESTBOUND Friars Road EB Ramps			
	LANES:	NL X	NT 2	NR 1	SL 1	ST 2	SR X	EL 0.5	ET 0.5	ER 1	WL X	WT X	WR X	TOTAL
WEEKDAY AM	7:00 AM		69	35	0	31		13	0	17				165
	7:15 AM		80	37	1	22		20	0	18				178
	7:30 AM		83	50	0	44		8	0	24				209
	7:45 AM		122	47	0	50		13	0	25				257
	8:00 AM		109	43	1	50		16	0	30				249
	8:15 AM		107	48	0	38		13	0	36				242
	8:30 AM		87	49	3	50		8	0	27				224
	8:45 AM		106	47	0	38		12	0	37				240
	VOLUMES	0	763	356	5	323	0	103	0	214	0	0	0	1,764
	APPROACH %	0%	68%	32%	2%	98%	0%	32%	0%	68%	0%	0%	0%	
	APP/DEPART	1,119	/	866	328	/	537	317	/	361	0	/	0	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	425	187	4	188	0	50	0	118	0	0	0	972
	APPROACH %	0%	69%	31%	2%	98%	0%	30%	0%	70%	0%	0%	0%	
	PEAK HR FACTOR		0.905			0.906			0.857			0.000		0.946
	APP/DEPART	612	/	475	192	/	306	168	/	191	0	/	0	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM		96	105	4	66		7	3	56				337
	4:15 PM		92	78	1	81		13	0	69				334
	4:30 PM		118	98	2	97		9	3	79				406
	4:45 PM		92	97	1	81		12	0	69				352
	5:00 PM		133	65	2	93		9	2	78				382
	5:15 PM		95	66	0	102		15	1	79				358
	5:30 PM		89	76	0	84		12	0	64				325
	5:45 PM		97	71	3	87		7	1	62				328
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	812	656	13	691	0	84	10	556	0	0	0	2,822
	APPROACH %	0%	55%	45%	2%	98%	0%	13%	2%	86%	0%	0%	0%	
	APP/DEPART	1,468	/	896	704	/	1,247	650	/	679	0	/	0	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	438	326	5	373	0	45	6	305	0	0	0	1,498
	APPROACH %	0%	57%	43%	1%	99%	0%	13%	2%	86%	0%	0%	0%	
	PEAK HR FACTOR		0.884			0.926			0.937			0.000		0.922
	APP/DEPART	764	/	483	378	/	678	356	/	337	0	/	0	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-16-15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: River Run Drive
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 21
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N / ◄ W / E ► / S ▼

		NORTHBOUND River Run Drive			SOUTHBOUND River Run Drive			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 1	NT 1	NR 0	SL 0	ST 1	SR 0	EL 1	ET 3	ER 0	WL 1	WT 3	WR 0	TOTAL
WEEKDAY AM	7:00 AM	21	7	9	1	1	3	12	115	8	21	312	30	540
	7:15 AM	26	10	10	0	0	2	20	126	4	33	305	41	577
	7:30 AM	33	11	15	1	0	2	18	151	5	38	355	50	679
	7:45 AM	38	9	19	2	1	4	26	169	11	41	364	58	742
	8:00 AM	31	12	20	2	1	2	21	141	12	40	375	42	699
	8:15 AM	25	15	11	1	2	6	18	184	10	29	336	28	665
	8:30 AM	20	8	11	2	1	2	12	165	8	34	342	33	638
	8:45 AM	18	7	8	3	0	1	12	155	9	28	310	28	579
	VOLUMES	212	79	103	12	6	22	139	1,206	67	264	2,699	310	5,119
	APPROACH %	54%	20%	26%	30%	15%	55%	10%	85%	5%	8%	82%	9%	
	APP/DEPART	394	/	528	40	/	337	1,412	/	1,321	3,273	/	2,933	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	127	47	65	6	4	14	83	645	38	148	1,430	178	2,785
	APPROACH %	53%	20%	27%	25%	17%	58%	11%	84%	5%	8%	81%	10%	
	PEAK HR FACTOR		0.905			0.667			0.903			0.948		0.938
	APP/DEPART	239	/	308	24	/	190	766	/	716	1,756	/	1,571	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	16	0	26	56	1	20	12	428	20	13	234	6	832
	4:15 PM	6	4	18	31	0	15	7	481	14	9	250	4	839
	4:30 PM	13	0	35	68	0	34	8	509	13	17	236	5	938
	4:45 PM	15	1	19	39	0	30	5	440	25	11	277	1	863
	5:00 PM	5	1	31	34	1	11	3	458	21	15	302	4	886
	5:15 PM	12	1	27	27	1	9	5	507	19	16	296	10	930
	5:30 PM	8	2	18	17	1	9	5	546	34	15	302	6	963
	5:45 PM	12	1	15	6	0	10	6	371	22	13	282	4	742
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	87	10	189	278	4	138	51	3,740	168	109	2,179	40	6,993
	APPROACH %	30%	3%	66%	66%	1%	33%	1%	94%	4%	5%	94%	2%	
	APP/DEPART	286	/	101	420	/	281	3,959	/	4,207	2,328	/	2,404	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	40	5	95	117	3	59	18	1,951	99	57	1,177	21	3,642
	APPROACH %	29%	4%	68%	65%	2%	33%	1%	94%	5%	5%	94%	2%	
	PEAK HR FACTOR		0.875			0.649			0.884			0.971		0.945
	APP/DEPART	140	/	44	179	/	159	2,068	/	2,163	1,255	/	1,276	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
			2	2
		2		2
		2		2
			1	1
		3	1	4
		1		1
		1		1
		1		1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	10	4	14

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
0	1	0	0	1
1	0	2	0	3
1	2	14	3	20
0	0	2	6	8
1	0	0	0	1
0	0	1	0	1
0	1	1	0	2
0	0	0	0	0
				0
0	0	0	0	0
0	0	3	0	3
0	0	3	0	3
0	1	3	1	5
1	1	2	0	4
2	1	1	2	6
0	0	1	4	5
1	0	0	1	2
				0
				0
				0
				0
				0
				0
				0
7	7	33	17	64

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0		1	1			0	1		0		1
	0			0			0			0		0
	1			0			0			0		0
	0			0			2			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	1			0			0			0		0
												0
	0			0			0			0		0
	0			0			1			0		0
	0			1			2			0		0
	1		1	0		1	0			1		1
	1			0			1			0		0
	0		1	1			0			0		0
	0			0			0			0		0
												0
												0
												0
												0
												0
												0
												0
												0
												1
0	4	0	3	3	0	1	6	1	0	1	0	3

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Fenton Parkway
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 22
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Fenton Parkway			SOUTHBOUND Fenton Parkway			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 2	NT 1	NR 1	SL 2	ST 0.5	SR 1.5	EL 1	ET 3	ER 1	WL 2	WT 3	WR 1	TOTAL
WEEKDAY AM	7:00 AM	15	1	34	16	2	23	4	96	10	22	235	3	461
	7:15 AM	23	2	29	16	2	35	6	130	12	39	328	1	623
	7:30 AM	22	3	44	19	6	54	7	149	9	48	303	1	665
	7:45 AM	26	3	38	14	4	38	7	121	12	46	379	3	691
	8:00 AM	20	1	38	17	1	47	10	170	8	39	384	3	738
	8:15 AM	14	1	44	15	2	40	8	150	10	36	353	5	678
	8:30 AM	24	2	29	16	1	38	6	153	22	35	311	4	641
	8:45 AM	23	2	31	20	4	28	10	151	21	43	260	11	604
	VOLUMES	167	15	287	133	22	303	58	1,120	104	308	2,553	31	5,101
	APPROACH %	36%	3%	61%	29%	5%	66%	5%	87%	8%	11%	88%	1%	
	APP/DEPART	469	/	104	458	/	434	1,282	/	1,540	2,892	/	3,023	0
	BEGIN PEAK HR	7:30 AM												
	VOLUMES	82	8	164	65	13	179	32	590	39	169	1,419	12	2,772
	APPROACH %	32%	3%	65%	25%	5%	70%	5%	89%	6%	11%	89%	1%	
	PEAK HR FACTOR	0.920			0.813			0.879			0.935			0.939
	APP/DEPART	254	/	52	257	/	221	661	/	819	1,600	/	1,680	0
WEEKDAY AM	11:00 AM	38	2	52	8	5	14	9	196	83	40	187	3	637
	11:15 AM	71	7	71	7	6	13	8	181	74	57	206	7	708
	11:30 AM	58	3	67	6	0	20	8	193	75	54	177	5	666
	11:45 AM	57	2	69	11	3	12	13	254	89	49	204	6	769
	12:00 PM	65	2	74	11	6	15	17	285	96	43	204	5	823
	12:15 PM	85	3	77	3	5	19	10	273	84	58	197	9	823
	12:30 PM	90	4	80	6	4	16	14	244	86	48	209	3	804
	12:45 PM	70	7	96	5	3	12	25	255	67	56	220	2	818
	VOLUMES	534	30	586	57	32	121	104	1,881	654	405	1,604	40	6,048
	APPROACH %	46%	3%	51%	27%	15%	58%	4%	71%	25%	20%	78%	2%	
	APP/DEPART	1,150	/	174	210	/	1,091	2,639	/	2,524	2,049	/	2,259	0
	BEGIN PEAK HR	12:00 PM												
	VOLUMES	310	16	327	25	18	62	66	1,057	333	205	830	19	3,268
	APPROACH %	47%	2%	50%	24%	17%	59%	5%	73%	23%	19%	79%	2%	
	PEAK HR FACTOR	0.938			0.820			0.915			0.948			0.993
	APP/DEPART	653	/	101	105	/	556	1,456	/	1,409	1,054	/	1,202	0
WEEKDAY PM	4:00 PM	63	7	100	10	3	12	21	545	73	40	184	8	1,066
	4:15 PM	45	6	81	10	2	12	27	462	75	47	205	13	985
	4:30 PM	59	5	76	3	4	9	24	499	72	54	207	12	1,024
	4:45 PM	58	10	75	8	5	11	29	497	85	62	210	10	1,060
	5:00 PM	62	6	87	4	1	18	22	500	89	68	213	17	1,087
	5:15 PM	44	9	94	7	2	17	37	475	90	48	269	19	1,111
	5:30 PM	68	6	66	5	6	17	38	472	84	52	231	13	1,058
	5:45 PM	53	10	68	6	3	6	38	395	80	42	245	17	963
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	452	59	647	53	26	102	236	3,845	648	413	1,764	109	8,354
	APPROACH %	39%	5%	56%	29%	14%	56%	5%	81%	14%	18%	77%	5%	
	APP/DEPART	1,158	/	404	181	/	1,087	4,729	/	4,545	2,286	/	2,318	0
	BEGIN PEAK HR	4:45 PM												
	VOLUMES	232	31	322	24	14	63	126	1,944	348	230	923	59	4,316
	APPROACH %	40%	5%	55%	24%	14%	62%	5%	80%	14%	19%	76%	5%	
	PEAK HR FACTOR	0.944			0.902			0.989			0.902			0.971
	APP/DEPART	585	/	216	101	/	592	2,418	/	2,290	1,212	/	1,218	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
			1	1
		1	2	3
			1	1
				0
1				1
				0
				0
1	0	1	4	6
			1	1
			3	3
			2	2
1			1	2
			1	1
			1	1
			2	2
			2	2
1	0	0	13	14
			3	3
1			2	3
			1	1
1			2	3
1			1	2
			1	1
		1	2	4
			2	2
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
4	0	1	15	20

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	
7				3	3	7:00 AM
		1		2	3	7:15 AM
			1	2	3	7:30 AM
			1	2	3	7:45 AM
8					0	8:00 AM
	1				1	8:15 AM
		2	1		3	8:30 AM
			1		1	8:45 AM
11					0	11:00 AM
			3	2	5	11:15 AM
		1	1		2	11:30 AM
			3	3	6	11:45 AM
12			1	5	6	12:00 PM
	2		6		8	12:15 PM
	2	1	3	2	8	12:30 PM
				2	2	12:45 PM
4		1	1		2	4:00 PM
		1			1	4:15 PM
	1		1		2	4:30 PM
		4	2		6	4:45 PM
5			3	3	6	5:00 PM
			1	1	2	5:15 PM
				3	3	5:30 PM
				1	1	5:45 PM
	6	11	29	31	77	

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
												0
												0
												0
												0
												0
							1					0
												0
												0
												0
												0
												0
												0
												0
							1					0
												0
												0
								1				0
												0
												0
												0
												0
												0
												0
												0
												0
												0
0	0	0	0	0	0	0	2	1	0	0	2	6

23

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Northside Drive
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 23
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Northside Drive			SOUTHBOUND Northside Drive			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 2	NT 1	NR 1	SL 2	ST 1	SR 1	EL 2	ET 3	ER 1	WL 2	WT 3	WR 1	TOTAL
WEEKDAY AM	7:00 AM	28	0	45	40	4	40	3	128	44	85	228	8	653
	7:15 AM	19	1	48	50	4	39	4	111	35	57	285	6	659
	7:30 AM	21	1	44	45	7	30	5	133	40	90	326	8	750
	7:45 AM	20	1	56	38	6	39	3	169	23	104	337	5	801
	8:00 AM	24	0	58	26	11	34	7	185	36	103	343	9	836
	8:15 AM	23	1	52	22	3	34	6	170	25	120	315	12	783
	8:30 AM	26	7	71	35	7	36	9	145	43	120	281	13	793
	8:45 AM	22	2	62	29	7	24	9	152	28	100	263	9	707
	VOLUMES	183	13	436	285	49	276	46	1,193	274	779	2,378	70	5,982
	APPROACH %	29%	2%	69%	47%	8%	45%	3%	79%	18%	24%	74%	2%	
	APP/DEPART	632	/	129	610	/	1,102	1,513	/	1,914	3,227	/	2,837	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	93	9	237	121	27	143	25	669	127	447	1,276	39	3,213
	APPROACH %	27%	3%	70%	42%	9%	49%	3%	81%	15%	25%	72%	2%	
	PEAK HR FACTOR		0.815			0.877			0.900			0.968		0.961
	APP/DEPART	339	/	73	291	/	601	821	/	1,027	1,762	/	1,512	0
WEEKDAY AM	11:00 AM	50	4	134	21	4	22	24	165	45	158	154	17	798
	11:15 AM	42	7	146	15	7	21	15	192	69	126	180	10	830
	11:30 AM	45	2	163	23	5	27	8	215	53	138	184	14	877
	11:45 AM	50	3	153	18	4	18	28	221	76	130	185	16	902
	12:00 PM	53	2	168	19	4	25	30	236	69	147	170	9	932
	12:15 PM	61	8	150	20	4	23	28	234	86	159	206	12	991
	12:30 PM	44	5	147	27	2	24	18	242	70	168	194	19	960
	12:45 PM	67	6	149	29	3	21	27	252	91	151	178	12	986
	VOLUMES	412	37	1,210	172	33	181	178	1,757	559	1,177	1,451	109	7,276
	APPROACH %	25%	2%	73%	45%	9%	47%	7%	70%	22%	43%	53%	4%	
	APP/DEPART	1,659	/	324	386	/	1,769	2,494	/	3,139	2,737	/	2,044	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	225	21	614	95	13	93	103	964	316	625	748	52	3,869
	APPROACH %	26%	2%	71%	47%	6%	46%	7%	70%	23%	44%	52%	4%	
	PEAK HR FACTOR		0.964			0.948			0.934			0.935		0.976
	APP/DEPART	860	/	176	201	/	954	1,383	/	1,673	1,425	/	1,066	0
WEEKDAY PM	4:00 PM	31	4	165	26	2	23	26	506	51	139	178	29	1,180
	4:15 PM	49	7	185	20	4	24	27	528	48	115	183	24	1,214
	4:30 PM	50	6	188	16	2	17	26	491	51	132	212	24	1,215
	4:45 PM	47	4	167	27	6	18	34	486	44	95	215	30	1,173
	5:00 PM	42	8	162	26	5	17	26	489	65	107	242	36	1,225
	5:15 PM	51	11	181	23	4	15	26	565	83	92	238	40	1,329
	5:30 PM	49	8	163	26	7	20	32	367	43	103	245	36	1,099
	5:45 PM	41	9	133	23	9	13	36	417	46	112	216	38	1,093
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	360	57	1,344	187	39	147	233	3,849	431	895	1,729	257	9,528
	APPROACH %	20%	3%	76%	50%	10%	39%	5%	85%	10%	31%	60%	9%	
	APP/DEPART	1,761	/	547	373	/	1,365	4,513	/	5,380	2,881	/	2,236	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	190	29	698	92	17	67	112	2,031	243	426	907	130	4,942
	APPROACH %	21%	3%	76%	52%	10%	38%	5%	85%	10%	29%	62%	9%	
	PEAK HR FACTOR		0.940			0.830			0.885			0.950		0.930
	APP/DEPART	917	/	271	176	/	686	2,386	/	2,821	1,463	/	1,164	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
1				1
2		1		3
1		1	1	3
				0
				0
				0
		1		1
				0
4	0	3	1	8
				0
		1	1	2
1				1
				0
				0
		3		3
		2		2
		2		2
1	0	8	1	10
		1		1
		1	2	2
				0
1		1		2
				0
2			3	5
			2	2
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
3	0	2	7	12

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
				0
		3		3
		2		2
				0
	1	2		3
		1		1
				0
1				1
		1		1
				0
		1		1
				0
				0
	2	1		3
				0
		1		1
				0
		1		1
		1		1
		4		4
		1		1
				0
				0
1	3	19	0	23

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
					1		1					0
				1								0
				1								0
												0
				1			1			1		1
												0
												0
												0
												0
												0
												0
							1					0
												0
					1							0
							1			1		1
							2					0
												0
							1					2
0	0	0	0	3	2	0	7	0	0	2	0	4

24

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Village Drive
EAST & WEST: Friars Road WB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 24
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Village Drive			SOUTHBOUND Mission Village Drive			EASTBOUND Friars Road WB Ramps			WESTBOUND Friars Road WB Ramps			
	LANES:	NL 1	NT 2	NR X	SL X	ST 2	SR 1	EL X	ET X	ER X	WL 1	WT 0	WR 1	TOTAL
WEEKDAY AM	7:00 AM	21	73			94	40				12	0	98	338
	7:15 AM	49	106			89	40				15	0	80	379
	7:30 AM	65	125			103	53				20	0	74	440
	7:45 AM	74	164			84	65				17	0	100	504
	8:00 AM	61	136			85	43				12	0	68	405
	8:15 AM	36	127			106	42				13	1	69	394
	8:30 AM	40	103			93	49				32	0	34	351
	8:45 AM	22	89			77	37				28	0	46	299
	VOLUMES	368	923	0	0	731	369	0	0	0	149	1	569	3,110
	APPROACH %	29%	71%	0%	0%	66%	34%	0%	0%	0%	21%	0%	79%	
	APP/DEPART	1,291	/	1,492	1,100	/	880	0	/	0	719	/	738	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	236	552	0	0	378	203	0	0	0	62	1	311	1,743
	APPROACH %	30%	70%	0%	0%	65%	35%	0%	0%	0%	17%	0%	83%	
	PEAK HR FACTOR		0.828			0.931			0.000			0.799		0.865
	APP/DEPART	788	/	863	581	/	440	0	/	0	374	/	440	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	22	67			145	37				39	0	65	375
	4:15 PM	21	70			142	52				34	0	64	383
	4:30 PM	32	79			201	77				27	0	52	468
	4:45 PM	24	78			210	77				33	0	69	491
	5:00 PM	37	94			212	112				42	0	61	558
	5:15 PM	34	117			238	105				35	0	79	608
	5:30 PM	31	89			200	86				44	0	59	509
	5:45 PM	29	88			209	87				17	0	59	489
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	230	682	0	0	1,557	633	0	0	0	271	0	508	3,881
	APPROACH %	25%	75%	0%	0%	71%	29%	0%	0%	0%	35%	0%	65%	
	APP/DEPART	912	/	1,190	2,190	/	1,828	0	/	0	779	/	863	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	126	378	0	0	860	380	0	0	0	154	0	268	2,166
	APPROACH %	25%	75%	0%	0%	69%	31%	0%	0%	0%	36%	0%	64%	
	PEAK HR FACTOR		0.834			0.904			0.000			0.925		0.891
	APP/DEPART	504	/	646	1,240	/	1,014	0	/	0	422	/	506	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-16-15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Village Drive
EAST & WEST: Friars Road EB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 25
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Mission Village Drive			SOUTHBOUND Mission Village Drive			EASTBOUND Friars Road EB Ramps			WESTBOUND Friars Road EB Ramps			
	LANES:	NL X	NT 2	NR 0	SL 1.5	ST 0.5	SR X	EL 1	ET 0	ER 1	WL X	WT X	WR X	TOTAL
WEEKDAY AM	7:00 AM		70	18	72	24		32	0	14				230
	7:15 AM		111	15	79	40		30	1	14				290
	7:30 AM		148	35	77	53		30	0	12				355
	7:45 AM		180	34	55	38		49	0	38				394
	8:00 AM		163	20	70	41		33	0	24				351
	8:15 AM		134	28	75	36		44	0	15				332
	8:30 AM		121	22	64	30		39	0	18				294
	8:45 AM		70	12	68	45		50	0	26				271
	VOLUMES	0	997	184	560	307	0	307	1	161	0	0	0	2,517
	APPROACH %	0%	84%	16%	65%	35%	0%	65%	0%	34%	0%	0%	0%	
	APP/DEPART	1,181	/	1,304	867	/	468	469	/	745	0	/	0	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	625	117	277	168	0	156	0	89	0	0	0	1,432
	APPROACH %	0%	84%	16%	62%	38%	0%	64%	0%	36%	0%	0%	0%	
	PEAK HR FACTOR		0.867			0.856			0.704			0.000		0.909
	APP/DEPART	742	/	781	445	/	257	245	/	394	0	/	0	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM		43	26	99	83		45	0	43				339
	4:15 PM		44	27	85	106		50	0	66				378
	4:30 PM		53	29	105	94		55	0	53				389
	4:45 PM		39	23	100	116		65	0	52				395
	5:00 PM		65	50	98	184		52	0	59				508
	5:15 PM		71	36	118	159		76	0	70				530
	5:30 PM		65	25	91	143		58	1	62				445
	5:45 PM		50	26	108	122		47	0	48				401
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	430	242	804	1,007	0	448	1	453	0	0	0	3,385
	APPROACH %	0%	64%	36%	44%	56%	0%	50%	0%	50%	0%	0%	0%	
	APP/DEPART	672	/	878	1,811	/	1,460	902	/	1,047	0	/	0	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	0	251	137	415	608	0	233	1	239	0	0	0	1,884
	APPROACH %	0%	65%	35%	41%	59%	0%	49%	0%	51%	0%	0%	0%	
	PEAK HR FACTOR		0.843			0.907			0.810			0.000		0.889
	APP/DEPART	388	/	484	1,023	/	847	473	/	553	0	/	0	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-15 SB Ramps
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 26
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND I-15 SB Ramps			SOUTHBOUND I-15 SB Ramps			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL X	NT X	NR X	SL 2	ST 0	SR 1	EL 1	ET 3	ER 1	WL 1	WT 3	WR 1	TOTAL
WEEKDAY AM	7:00 AM				88	0	114	44	151	61	61	262	105	886
	7:15 AM				96	1	121	41	167	55	70	305	119	975
	7:30 AM				135	0	135	56	184	65	80	313	105	1,073
	7:45 AM				168	0	162	60	118	50	81	395	115	1,149
	8:00 AM				168	1	142	51	121	50	78	398	121	1,130
	8:15 AM				184	2	116	50	118	54	75	378	126	1,103
	8:30 AM				154	1	105	54	132	52	58	369	106	1,031
	8:45 AM				162	0	126	48	142	42	60	311	100	991
	VOLUMES	0	0	0	1,155	5	1,021	404	1,133	429	563	2,731	897	8,338
	APPROACH %	0%	0%	0%	53%	0%	47%	21%	58%	22%	13%	65%	21%	
	APP/DEPART	0	/	1,301	2,181	/	997	1,966	/	2,288	4,191	/	3,752	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	0	0	655	3	555	217	541	219	314	1,484	467	4,455
	APPROACH %	0%	0%	0%	54%	0%	46%	22%	55%	22%	14%	66%	21%	
	PEAK HR FACTOR		0.000			0.919			0.801			0.948		0.969
	APP/DEPART	0	/	684	1,213	/	536	977	/	1,196	2,265	/	2,039	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				251		110	96	384	167	64	265	70	1,407
	4:15 PM				218		100	122	494	182	48	272	88	1,524
	4:30 PM				269		104	117	446	174	56	259	78	1,503
	4:45 PM				261		84	100	488	137	54	294	77	1,495
	5:00 PM				269		80	95	401	169	69	298	71	1,452
	5:15 PM				240		92	102	445	157	71	305	69	1,481
	5:30 PM				239		91	86	459	177	46	289	72	1,459
	5:45 PM				256		116	73	379	140	46	274	60	1,344
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	2,003	0	777	791	3,496	1,303	454	2,256	585	11,665
	APPROACH %	0%	0%	0%	72%	0%	28%	14%	63%	23%	14%	68%	18%	
	APP/DEPART	0	/	1,376	2,780	/	1,757	5,590	/	5,499	3,295	/	3,033	0
	BEGIN PEAK HR		4:15 PM											
	VOLUMES	0	0	0	1,017	0	368	434	1,829	662	227	1,123	314	5,974
	APPROACH %	0%	0%	0%	73%	0%	27%	15%	63%	23%	14%	67%	19%	
	PEAK HR FACTOR		0.000			0.928			0.916			0.935		0.980
	APP/DEPART	0	/	748	1,385	/	889	2,925	/	2,846	1,664	/	1,491	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
			2	2
			1	1
			2	2
			1	1
		1	2	3
			1	1
			1	1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	1	10	11

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
				0
	NO PEDS			0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
	NO BIKES											0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
0	0	0	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-15 NB Ramps
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 27
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-15 NB Ramps			SOUTHBOUND I-15 NB Ramps			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL X	NT X	NR 1	SL X	ST X	SR 1	EL 1	ET 3	ER X	WL X	WT 3	WR 1	TOTAL
WEEKDAY AM	7:00 AM			48			76	87	162			375	268	1,016
	7:15 AM			51			56	96	181			430	280	1,094
	7:30 AM			55			53	101	194			475	252	1,130
	7:45 AM			70			66	96	215			494	223	1,164
	8:00 AM			84			90	97	203			489	289	1,252
	8:15 AM			81			97	68	218			509	206	1,179
	8:30 AM			70			115	69	226			428	251	1,159
	8:45 AM			84			133	86	235			313	214	1,065
	VOLUMES	0	0	543	0	0	686	700	1,634	0	0	3,513	1,983	9,059
	APPROACH %	0%	0%	100%	0%	0%	100%	30%	70%	0%	0%	64%	36%	
	APP/DEPART	543	/	2,683	686	/	0	2,334	/	2,177	5,496	/	4,199	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	0	305	0	0	368	330	862	0	0	1,920	969	4,754
	APPROACH %	0%	0%	100%	0%	0%	100%	28%	72%	0%	0%	66%	34%	
	PEAK HR FACTOR		0.908			0.800			0.958			0.928		0.949
	APP/DEPART	305	/	1,299	368	/	0	1,192	/	1,167	2,889	/	2,288	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM			148			158	103	526			262	192	1,389
	4:15 PM			168			172	141	542			207	155	1,385
	4:30 PM			174			175	126	601			243	183	1,502
	4:45 PM			184			187	145	625			225	166	1,532
	5:00 PM			188			186	117	545			261	165	1,462
	5:15 PM			162			187	101	598			249	187	1,484
	5:30 PM			189			184	149	559			224	188	1,493
	5:45 PM			151			179	105	542			234	140	1,351
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	1,364	0	0	1,428	987	4,538	0	0	1,905	1,376	11,598
	APPROACH %	0%	0%	100%	0%	0%	100%	18%	82%	0%	0%	58%	42%	
	APP/DEPART	1,364	/	2,363	1,428	/	0	5,525	/	5,902	3,281	/	3,333	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	0	708	0	0	735	489	2,369	0	0	978	701	5,980
	APPROACH %	0%	0%	100%	0%	0%	100%	17%	83%	0%	0%	58%	42%	
	PEAK HR FACTOR		0.937			0.983			0.928			0.963		0.976
	APP/DEPART	708	/	1,190	735	/	0	2,858	/	3,077	1,679	/	1,713	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

				0
				0
				0
				0
				0
				0
				0
				0
				0

28

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Rancho Mission Road
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 28
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Rancho Mission Road			SOUTHBOUND Rancho Mission Road			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 1.5	NT X	NR 1.5	SL X	ST X	SR X	EL X	ET 3	ER 1	WL 1	WT 4	WR X	TOTAL
WEEKDAY AM	7:00 AM	117		18					178	40	11	564		928
	7:15 AM	132		19					176	35	7	554		923
	7:30 AM	122		25					186	54	11	586		984
	7:45 AM	164		19					256	74	9	575		1,097
	8:00 AM	141		11					214	62	20	665		1,113
	8:15 AM	114		9					264	56	26	562		1,031
	8:30 AM	120		11					242	56	31	565		1,025
	8:45 AM	101		14					249	74	22	423		883
	VOLUMES	1,011	0	126	0	0	0	0	1,765	451	137	4,494	0	7,984
	APPROACH %	89%	0%	11%	0%	0%	0%	0%	80%	20%	3%	97%	0%	
	APP/DEPART	1,137	/	0	0	/	588	2,216	/	1,891	4,631	/	5,505	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	539	0	50	0	0	0	0	976	248	86	2,367	0	4,266
	APPROACH %	92%	0%	8%	0%	0%	0%	0%	80%	20%	4%	96%	0%	
	PEAK HR FACTOR		0.805			0.000			0.927			0.895		0.958
	APP/DEPART	589	/	0	0	/	334	1,224	/	1,026	2,453	/	2,906	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	Y		31					572	97	17	362		1,079
	4:15 PM	88		41					598	116	19	292		1,154
	4:30 PM	73		38					621	118	28	342		1,220
	4:45 PM	79		33					674	113	19	336		1,254
	5:00 PM	100		29					629	132	19	373		1,282
	5:15 PM	86		50					637	106	14	316		1,209
	5:30 PM	69		28					634	107	22	291		1,151
	5:45 PM	84		43					591	112	19	273		1,122
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	579	0	293	0	0	0	0	4,956	901	157	2,585	0	9,471
	APPROACH %	66%	0%	34%	0%	0%	0%	0%	85%	15%	6%	94%	0%	
	APP/DEPART	872	/	0	0	/	1,058	5,857	/	5,249	2,742	/	3,164	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	338	0	150	0	0	0	0	2,561	469	80	1,367	0	4,965
	APPROACH %	69%	0%	31%	0%	0%	0%	0%	85%	15%	6%	94%	0%	
	PEAK HR FACTOR		0.897			0.000			0.963			0.923		0.968
	APP/DEPART	488	/	0	0	/	549	3,030	/	2,711	1,447	/	1,705	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
			1	1
				0
			1	1
			2	2
			1	1
			2	2
			1	1
				0
0	0	0	8	8
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
			1	1
			1	1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	3	3

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
				0
				0
				0
			1	1
				0
				0
1				1
				0
pm				0
				0
				0
				0
				0
				0
				0
1				1
				0
				0
				0
				0
				0
				0
2	0	0	1	3

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
												0
												0
												0
												0
												0
pm				no bikes								0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
0	0	0	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-17-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Santo Road
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 29
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Santo Road			SOUTHBOUND Santo Road			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL	NT	NR	SL 2	ST	SR 1	EL 2	ET 3	ER	WL	WT 4	WR 0	TOTAL
WEEKDAY AM	7:00 AM				12		82	43	155			506	11	809
	7:15 AM				10		67	26	185			507	9	804
	7:30 AM				16		70	24	182			523	15	830
	7:45 AM				12		57	20	255			548	11	903
	8:00 AM				8		44	31	222			589	10	904
	8:15 AM				6		55	33	241			516	7	858
	8:30 AM				16		41	23	196			552	11	839
	8:45 AM				9		58	44	243			403	17	774
	VOLUMES	0	0	0	89	0	474	244	1,679	0	0	4,144	91	6,721
	APPROACH %	0%	0%	0%	16%	0%	84%	13%	87%	0%	0%	98%	2%	
	APP/DEPART	0	/	335	563	/	0	1,923	/	1,768	4,235	/	4,618	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	0	0	42	0	197	107	914	0	0	2,205	39	3,504
	APPROACH %	0%	0%	0%	18%	0%	82%	10%	90%	0%	0%	98%	2%	
	PEAK HR FACTOR		0.000			0.866			0.928			0.937		0.969
	APP/DEPART	0	/	146	239	/	0	1,021	/	956	2,244	/	2,402	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				22		50	66	519			298	15	970
	4:15 PM				23		42	83	552			271	18	989
	4:30 PM				19		55	50	600			302	9	1,035
	4:45 PM				19		44	57	598			310	10	1,038
	5:00 PM				16		38	46	628			349	12	1,089
	5:15 PM				14		28	55	625			326	20	1,068
	5:30 PM				12		55	52	636			249	13	1,017
	5:45 PM				21		62	72	589			230	24	998
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	146	0	374	481	4,747	0	0	2,335	121	8,204
	APPROACH %	0%	0%	0%	28%	0%	72%	9%	91%	0%	0%	95%	5%	
	APP/DEPART	0	/	602	520	/	0	5,228	/	4,893	2,456	/	2,709	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	0	0	68	0	165	208	2,451	0	0	1,287	51	4,230
	APPROACH %	0%	0%	0%	29%	0%	71%	8%	92%	0%	0%	96%	4%	
	PEAK HR FACTOR		0.000			0.702			0.966			0.927		0.971
	APP/DEPART	0	/	259	233	/	0	2,659	/	2,519	1,338	/	1,452	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
		1		1
				0
				0
0	0	1	0	1
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
1				1
				0
				0
		1		1
		2		2
				0
		2		2
		1		1
		1		2
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
3	0	5	0	8

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
		1		1
				0
				0
				0
				0
				0
				0
				0
pm				0
				0
				0
				0
				0
1				1
				0
				0
				0
				0
				0
				0
				0
				0
1	0	1	0	2

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
										1		1
											1	1
												0
												0
												0
												0
												0
pm												0
												0
												0
										1		1
												0
										1		1
												0
												0
			1									0
												0
												0
												0
												0
												3
0	0	0	1	0	0	0	0	0	0	3	1	7

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/17/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Riverdale Street
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 30
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Riverdale Street			SOUTHBOUND Riverdale Street			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 1	NT 0.5	NR 0.5	SL 1	ST 1	SR 0	EL 1	ET 3	ER 1	WL 1	WT 3	WR 0	TOTAL
WEEKDAY AM	7:00 AM	43	5	6	2	9	16	16	131	24	12	460	5	729
	7:15 AM	21	9	7	2	15	21	12	124	45	34	503	9	802
	7:30 AM	25	6	4	2	54	38	16	138	46	43	482	6	860
	7:45 AM	25	10	10	3	53	28	32	141	78	52	494	10	936
	8:00 AM	19	13	8	5	26	30	26	148	49	41	506	8	879
	8:15 AM	35	13	9	7	18	33	20	157	64	40	474	7	877
	8:30 AM	43	7	6	2	12	27	21	132	58	21	428	5	762
	8:45 AM	36	10	7	4	13	14	30	174	57	23	362	10	740
	VOLUMES	247	73	57	27	200	207	173	1,145	421	266	3,709	60	6,585
	APPROACH %	66%	19%	15%	6%	46%	48%	10%	66%	24%	7%	92%	1%	
	APP/DEPART	377	/	306	434	/	887	1,739	/	1,229	4,035	/	4,163	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	104	42	31	17	151	129	94	584	237	176	1,956	31	3,552
	APPROACH %	59%	24%	18%	6%	51%	43%	10%	64%	26%	8%	90%	1%	
	PEAK HR FACTOR		0.776			0.790			0.911			0.973		0.949
	APP/DEPART	177	/	167	297	/	564	915	/	632	2,163	/	2,189	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	64	15	25	11	4	33	38	425	54	11	206	13	899
	4:15 PM	49	11	24	3	8	25	38	504	52	9	227	15	965
	4:30 PM	67	21	28	9	11	27	42	514	50	20	235	13	1,037
	4:45 PM	52	20	24	7	7	30	47	536	46	14	210	9	1,002
	5:00 PM	76	15	38	12	13	33	55	548	49	14	270	10	1,133
	5:15 PM	65	30	31	9	15	29	61	532	48	9	227	4	1,060
	5:30 PM	51	11	22	6	5	13	51	574	53	5	263	19	1,073
	5:45 PM	39	11	31	7	12	21	50	488	37	10	171	10	887
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	463	134	223	64	75	211	382	4,121	389	92	1,809	93	8,056
	APPROACH %	56%	16%	27%	18%	21%	60%	8%	84%	8%	5%	91%	5%	
	APP/DEPART	820	/	609	350	/	556	4,892	/	4,408	1,994	/	2,483	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	244	76	115	34	40	105	214	2,190	196	42	970	42	4,268
	APPROACH %	56%	17%	26%	19%	22%	59%	8%	84%	8%	4%	92%	4%	
	PEAK HR FACTOR		0.843			0.772			0.959			0.896		0.942
	APP/DEPART	435	/	332	179	/	278	2,600	/	2,339	1,054	/	1,319	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
			1	1
				0
		1	1	2
		6	2	8
				0
			3	3
		1		1
			4	4
0	0	8		19
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
		1	6	7
		1	4	5
		1	3	4
		1	1	2
				0
			4	4
			4	4
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	4	22	26

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
1	0	0	0	1
0	0	0	1	1
0	0	0	2	2
0	0	1	1	2
2	0	0	0	2
0	0	1	0	1
1	0	0	1	2
0	0	3	0	3
				0
PM				0
0	0	1	1	2
0	0	2	0	2
0	0	0	0	0
0	3	1	1	5
0	2	2	4	8
0	1	1	1	3
1	0	1	1	3
1	0	1	1	3
				0
				0
				0
				0
				0
				0
6	6	14	14	40

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			2			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
												0
PM												0
	0			0			0			1		1
	0			0			0			0		0
	0			0			0			0		0
	0			0			1			0		0
	2			0			0			0		0
	1			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
												0
												0
												0
												0
												0
												0
												1
0	3	0	0	2	0	0	1	0	0	1	0	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-17-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Gorge Road
EAST & WEST: Friars Road

PROJECT #: PDT15-0911-01
LOCATION #: 31
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Gorge Road			SOUTHBOUND Mission Gorge Road			EASTBOUND Friars Road			WESTBOUND Friars Road			
	LANES:	NL 1	NT X	NR 2	SL X	ST X	SR X	EL X	ET 3	ER 1	WL 2	WT 3	WR X	TOTAL
WEEKDAY AM	7:00 AM	39		55					103	34	55	446		732
	7:15 AM	27		57					114	21	66	558		843
	7:30 AM	43		52					117	34	115	497		858
	7:45 AM	48		65					136	43	114	503		909
	8:00 AM	43		68					135	34	100	470		850
	8:15 AM	31		74					128	40	60	481		814
	8:30 AM	53		53					112	29	67	410		724
	8:45 AM	45		73					156	40	47	360		721
	VOLUMES	329	0	497	0	0	0	0	1,001	275	624	3,725	0	6,451
	APPROACH %	40%	0%	60%	0%	0%	0%	0%	78%	22%	14%	86%	0%	
	APP/DEPART	826	/	0	0	/	899	1,276	/	1,498	4,349	/	4,054	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	161	0	242	0	0	0	0	502	132	395	2,028	0	3,460
	APPROACH %	40%	0%	60%	0%	0%	0%	0%	79%	21%	16%	84%	0%	
	PEAK HR FACTOR		0.892			0.000			0.885			0.971		0.952
	APP/DEPART	403	/	0	0	/	527	634	/	744	2,423	/	2,189	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	84		101					415	55	58	151		864
	4:15 PM	85		96					514	66	51	166		978
	4:30 PM	83		120					452	54	58	198		965
	4:45 PM	66		101					538	58	43	179		985
	5:00 PM	87		119					499	54	41	194		994
	5:15 PM	84		126					522	35	63	185		1,015
	5:30 PM	77		127					514	49	51	180		998
	5:45 PM	52		88					434	57	54	155		840
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	618	0	878	0	0	0	0	3,888	428	419	1,408	0	7,639
	APPROACH %	41%	0%	59%	0%	0%	0%	0%	90%	10%	23%	77%	0%	
	APP/DEPART	1,496	/	0	0	/	847	4,316	/	4,766	1,827	/	2,026	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	314	0	473	0	0	0	0	2,073	196	198	738	0	3,992
	APPROACH %	40%	0%	60%	0%	0%	0%	0%	91%	9%	21%	79%	0%	
	PEAK HR FACTOR		0.937			0.000			0.952			0.944		0.983
	APP/DEPART	787	/	0	0	/	394	2,269	/	2,546	936	/	1,052	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
2				2
1				1
5				5
7				7
				0
				0
3			1	4
1				1
19	0	0	1	20
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
1				1
3				3
4				4
3				3
3				3
6				6
4				4
5				5
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
29	0	0	0	29

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
				0
				0
				0
				0
1		2		3
		1		1
				0
				0
pm				0
				0
	3			3
				0
				0
				0
				0
				0
	1			1
				0
				0
				0
				0
				0
1	4	3	0	8

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
										1		1
												0
												0
											1	1
												0
												0
												0
												0
pm												0
												0
												0
												0
										1		1
												0
												0
												0
												0
												0
												0
												0
												2
0	0	0	0	0	0	0	0	0	0	2	1	5

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: Mission Center Court

PROJECT #: PDT15-0911-01
LOCATION #: 32
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Mission Center Court			WESTBOUND Mission Center Court			
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 0	ET 1	ER 0	WL 0	WT 1	WR 0	TOTAL
WEEKDAY AM	7:00 AM	8	77	3	8	51	6	5	1	2	10	1	28	200
	7:15 AM	7	89	3	11	54	5	4	0	3	16	1	33	226
	7:30 AM	5	98	2	9	68	6	3	1	0	19	1	28	240
	7:45 AM	10	101	6	9	101	0	6	0	5	22	2	18	280
	8:00 AM	15	87	2	15	76	8	6	1	2	19	1	21	253
	8:15 AM	9	85	6	11	93	10	7	0	4	18	0	25	268
	8:30 AM	18	95	9	11	86	20	4	0	3	15	0	25	286
	8:45 AM	16	92	5	15	81	8	9	2	3	16	1	20	268
	VOLUMES	88	724	36	89	610	63	44	5	22	135	7	198	2,021
	APPROACH %	10%	85%	4%	12%	80%	8%	62%	7%	31%	40%	2%	58%	
	APP/DEPART	848	/	966	762	/	767	71	/	130	340	/	158	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	52	368	23	46	356	38	23	1	14	74	3	89	1,087
	APPROACH %	12%	83%	5%	10%	81%	9%	61%	3%	37%	45%	2%	54%	
	PEAK HR FACTOR		0.908			0.940			0.864			0.965		0.950
	APP/DEPART	443	/	480	440	/	444	38	/	70	166	/	93	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	11	196	18	24	153	16	17	0	22	7	0	17	481
	4:15 PM	18	153	17	20	134	11	25	2	18	10	0	17	425
	4:30 PM	23	179	19	28	158	11	30	0	25	14	0	23	510
	4:45 PM	14	172	16	29	173	19	13	2	15	12	0	14	479
	5:00 PM	14	203	20	37	207	13	29	3	47	25	0	34	632
	5:15 PM	24	184	19	33	154	29	26	2	18	15	2	17	523
	5:30 PM	18	178	18	32	186	18	15	2	22	18	3	29	539
	5:45 PM	16	170	13	35	153	20	26	1	32	25	2	15	508
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	138	1,435	140	238	1,318	137	181	12	199	126	7	166	4,097
	APPROACH %	8%	84%	8%	14%	78%	8%	46%	3%	51%	42%	2%	56%	
	APP/DEPART	1,713	/	1,782	1,693	/	1,643	392	/	390	299	/	282	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	72	735	70	137	700	80	96	8	119	83	7	95	2,202
	APPROACH %	8%	84%	8%	15%	76%	9%	43%	4%	53%	45%	4%	51%	
	PEAK HR FACTOR		0.925			0.892			0.706			0.784		0.871
	APP/DEPART	877	/	926	917	/	902	223	/	215	185	/	159	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
1				1
				0
1				1
3				3
2	1			3
2	1			3
1				1
10	2	0	0	12
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0

33

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Qualcomm Way
EAST & WEST: Rio San Diego Drive

PROJECT #: PDT15-0911-01
LOCATION #: 33
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Qualcomm Way			SOUTHBOUND Qualcomm Way			EASTBOUND Rio San Diego Drive			WESTBOUND Rio San Diego Drive			
	LANES:	NL 2	NT 3	NR 0	SL 2	ST 3	SR 0	EL 2	ET 1	ER 1	WL 2	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM	8	65	102	7	33	4	23	12	25	32	6	11	328
	7:15 AM	10	88	135	12	24	5	24	9	21	39	9	9	385
	7:30 AM	10	91	153	14	41	9	24	16	27	44	14	14	457
	7:45 AM	16	132	150	12	52	14	24	10	21	53	9	15	508
	8:00 AM	14	100	142	9	53	14	15	15	15	51	7	27	462
	8:15 AM	19	105	113	15	53	13	22	16	25	41	9	20	451
	8:30 AM	33	115	100	9	51	13	25	13	34	45	6	9	453
	8:45 AM	28	109	112	15	38	13	21	12	30	52	11	19	460
	VOLUMES	138	805	1,007	93	345	85	178	103	198	357	71	124	3,504
	APPROACH %	7%	41%	52%	18%	66%	16%	37%	22%	41%	65%	13%	22%	
	APP/DEPART	1,950	/	1,107	523	/	900	479	/	1,203	552	/	294	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	59	428	558	50	199	50	85	57	88	189	39	76	1,878
	APPROACH %	6%	41%	53%	17%	67%	17%	37%	25%	38%	62%	13%	25%	
	PEAK HR FACTOR		0.877			0.923			0.858			0.894		0.924
	APP/DEPART	1,045	/	589	299	/	476	230	/	665	304	/	148	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	32	92	91	4	92	29	42	33	61	192	50	61	779
	4:15 PM	34	80	70	4	111	31	40	29	33	130	26	44	632
	4:30 PM	46	115	86	7	119	31	40	21	46	160	43	61	775
	4:45 PM	53	100	77	10	101	37	55	29	55	170	46	34	767
	5:00 PM	47	77	73	3	137	35	44	23	59	178	54	66	796
	5:15 PM	58	89	80	2	142	38	31	31	58	135	46	35	745
	5:30 PM	34	93	75	6	103	32	37	23	59	128	35	38	663
	5:45 PM	42	89	88	9	96	46	48	35	52	113	19	24	661
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	346	735	640	45	901	279	337	224	423	1,206	319	363	5,818
	APPROACH %	20%	43%	37%	4%	74%	23%	34%	23%	43%	64%	17%	19%	
	APP/DEPART	1,721	/	1,435	1,225	/	2,530	984	/	909	1,888	/	944	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	204	381	316	22	499	141	170	104	218	643	189	196	3,083
	APPROACH %	23%	42%	35%	3%	75%	21%	35%	21%	44%	63%	18%	19%	
	PEAK HR FACTOR		0.912			0.909			0.885			0.862		0.968
	APP/DEPART	901	/	747	662	/	1,360	492	/	442	1,028	/	534	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
			1	1
				0
1			1	2
			1	1
1			1	2
3				3
			3	3
5	0	0	7	12
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
			4	4
		1	1	2
		1		1
				0
			1	1
			1	1
				0
			1	1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	2	8	10

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
2	5	3	0	10
1	5	1	2	9
4	0	0	0	4
0	1	0	0	1
1	3	0	0	4
3	6	0	2	11
2	4	0	1	7
1	2	1	1	5
				0
PM				0
2	3	0	0	5
4	5	1	5	15
6	1	0	1	8
2	1	0	1	4
1	3	1	1	6
6	7	1	1	15
5	2	1	1	9
3	3	0	1	7
				0
				0
				0
				0
				0
				0
43	51	9	17	120

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			2			1			0		0
	0			0			0			1		1
	0			0			0			0		0
	0			1			0			0		0
	0			2			1			0		0
												0
PM												0
	0			0			0			0		0
	0			0			0			1		1
	0			0	1		0	1	1	0		2
	0			0			0			1		1
	0			2			0			0		0
	0			0	1		0		1	1		2
	0			0			0			1		1
	0			0			0			0		0
	0			0			0			1		1
	0			0			0			1		1
	0						0			0		1
												0
												0
												0
												0
												0
												9
0	0	0	0	7	2	0	2	1	3	5	0	18

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: River Run Drive
EAST & WEST: Rio San Diego Drive

PROJECT #: PDT15-0911-01
LOCATION #: 34
CONTROL: STOP

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND River Run Drive			SOUTHBOUND River Run Drive			EASTBOUND Rio San Diego Drive			WESTBOUND Rio San Diego Drive			
	LANES:	NL 0	NT 1	NR 0	SL 0	ST 1	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	0	1	1	2	0	22	15	20	3	1	42	15	122
	7:15 AM	1	0	0	2	0	12	12	16	0	1	72	14	130
	7:30 AM	0	3	1	6	1	24	21	29	1	0	65	17	168
	7:45 AM	0	0	0	4	0	41	35	25	1	2	74	18	200
	8:00 AM	0	1	0	5	1	46	16	31	1	0	61	9	171
	8:15 AM	0	0	0	2	0	34	14	28	1	5	67	16	167
	8:30 AM	1	0	0	6	0	24	16	27	1	1	61	16	153
	8:45 AM	1	3	0	6	2	24	14	34	2	3	51	10	150
	VOLUMES	3	8	2	33	4	227	143	210	10	13	493	115	1,261
	APPROACH %	23%	62%	15%	13%	2%	86%	39%	58%	3%	2%	79%	19%	
	APP/DEPART	13	/	266	264	/	27	363	/	245	621	/	723	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	4	1	17	2	145	86	113	4	7	267	60	706
	APPROACH %	0%	80%	20%	10%	1%	88%	42%	56%	2%	2%	80%	18%	
	PEAK HR FACTOR		0.313			0.788			0.832			0.888		0.883
	APP/DEPART	5	/	150	164	/	13	203	/	131	334	/	412	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	1	2	1	13	1	11	33	99	1	6	95	12	275
	4:15 PM	1	0	1	10	0	12	21	88	1	2	76	9	221
	4:30 PM	1	1	0	10	1	12	30	100	1	1	85	10	252
	4:45 PM	2	1	0	22	0	13	29	88	0	1	96	9	261
	5:00 PM	0	2	0	9	0	10	39	95	0	8	93	8	264
	5:15 PM	1	1	1	12	2	12	29	97	0	6	91	15	267
	5:30 PM	0	0	2	16	1	15	22	87	1	2	82	11	239
	5:45 PM	0	1	1	16	1	5	17	80	0	1	70	12	204
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	6	8	6	108	6	90	220	734	4	27	688	86	1,983
	APPROACH %	30%	40%	30%	53%	3%	44%	23%	77%	0%	3%	86%	11%	
	APP/DEPART	20	/	314	204	/	37	958	/	848	801	/	784	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	4	5	1	53	3	47	127	380	1	16	365	42	1,044
	APPROACH %	40%	50%	10%	51%	3%	46%	25%	75%	0%	4%	86%	10%	
	PEAK HR FACTOR		0.833			0.736			0.948			0.944		0.978
	APP/DEPART	10	/	174	103	/	20	508	/	434	423	/	416	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
		1	1	2
		1	1	2
		2	0	2
		1	2	3
			0	0
		3	4	7
		1	1	2
		1	3	4
0	0	10	12	22

				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

			6	6
		2	2	4
		3	1	4
		6	1	7
		4	6	10
		1	5	6
		6	2	8
		2	1	3
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	24	24	48

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
2	0	0	0	2
1	1	0	1	3
2	0	0	0	2
4	2	0	1	7
0	0	0	1	1
1	1	0	1	3
4	0	0	0	4
0	0	1	0	1
				0
pm				0
2	1	0	0	3
2	1	1	1	5
1	0	0	0	1
2	0	0	0	2
1	3	0	0	4
6	4	0	1	11
5	3	1	0	9
0	2	0	0	2
				0
				0
				0
				0
				0
				0
33	18	3	6	60

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			1		1
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
												0
pm												0
	1			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	1			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
												0
												0
												0
												0
												0
												0
												0
0	2	0	0	0	0	0	0	0	0	1	0	1

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Fenton Parkway
EAST & WEST: Rio San Diego Drive

PROJECT #: PDT15-0911-01
LOCATION #: 35
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Fenton Parkway			SOUTHBOUND Fenton Parkway			EASTBOUND Rio San Diego Drive			WESTBOUND Rio San Diego Drive			
	LANES:	NL 1	NT 2	NR 0	SL 2	ST 2	SR 0	EL 1.5	ET 0.5	ER 1	WL 1.5	WT 1	WR 0.5	TOTAL
WEEKDAY AM	7:00 AM	6	17	0	17	9	13	12	16	7	1	21	10	129
	7:15 AM	2	18	1	18	4	30	15	12	4	1	21	11	137
	7:30 AM	2	29	0	28	8	34	22	19	4	1	26	12	185
	7:45 AM	5	18	1	22	10	31	11	17	4	0	24	21	164
	8:00 AM	3	17	1	17	7	33	17	23	3	0	23	18	162
	8:15 AM	2	16	0	25	11	20	19	20	10	0	30	8	161
	8:30 AM	3	18	1	22	10	21	18	19	6	0	27	11	156
	8:45 AM	5	16	1	26	17	22	12	26	8	0	25	18	176
	VOLUMES	28	149	5	175	76	204	126	152	46	3	197	109	1,270
	APPROACH %	15%	82%	3%	38%	17%	45%	39%	47%	14%	1%	64%	35%	
	APP/DEPART	182	/	384	455	/	125	324	/	332	309	/	429	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	12	80	2	92	36	118	69	79	21	1	103	59	672
	APPROACH %	13%	85%	2%	37%	15%	48%	41%	47%	12%	1%	63%	36%	
	PEAK HR FACTOR		0.758			0.879			0.862			0.906		0.908
	APP/DEPART	94	/	208	246	/	58	169	/	173	163	/	233	0
WEEKDAY AM	11:00 AM	11	17	1	102	30	7	16	47	23	2	48	33	337
	11:15 AM	14	30	1	96	23	11	17	48	16	5	49	40	350
	11:30 AM	19	25	1	98	14	13	19	63	26	2	52	43	375
	11:45 AM	21	24	2	116	28	6	23	67	36	3	50	49	425
	12:00 PM	17	39	0	112	29	11	23	68	33	3	69	37	441
	12:15 PM	16	36	0	101	30	11	31	63	26	1	74	46	435
	12:30 PM	27	33	1	105	20	17	25	50	26	3	76	59	442
	12:45 PM	26	49	0	88	23	15	22	58	28	2	85	41	437
	VOLUMES	151	253	6	818	197	91	176	464	214	21	503	348	3,242
	APPROACH %	37%	62%	1%	74%	18%	8%	21%	54%	25%	2%	58%	40%	
	APP/DEPART	410	/	777	1,106	/	432	854	/	1,288	872	/	745	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	86	157	1	406	102	54	101	239	113	9	304	183	1,755
	APPROACH %	35%	64%	0%	72%	18%	10%	22%	53%	25%	2%	61%	37%	
	PEAK HR FACTOR		0.813			0.924			0.913			0.899		0.993
	APP/DEPART	244	/	441	562	/	224	453	/	646	496	/	444	0
WEEKDAY PM	4:00 PM	28	44	1	70	28	20	28	66	25	7	90	55	462
	4:15 PM	26	41	2	95	20	16	26	68	26	5	88	33	446
	4:30 PM	24	35	1	90	19	18	30	70	33	6	95	48	469
	4:45 PM	38	40	3	105	22	22	33	84	38	8	70	55	518
	5:00 PM	26	44	2	99	26	26	35	99	40	8	88	42	535
	5:15 PM	22	42	1	95	30	20	25	95	41	9	95	51	526
	5:30 PM	20	50	4	93	33	19	29	84	28	5	106	38	509
	5:45 PM	20	40	3	80	33	22	22	70	29	7	77	40	443
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	204	336	17	727	211	163	228	636	260	55	709	362	3,908
	APPROACH %	37%	60%	3%	66%	19%	15%	20%	57%	23%	5%	63%	32%	
	APP/DEPART	557	/	926	1,101	/	526	1,124	/	1,380	1,126	/	1,076	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	106	176	10	392	111	87	122	362	147	30	359	186	2,088
	APPROACH %	36%	60%	3%	66%	19%	15%	19%	57%	23%	5%	62%	32%	
	PEAK HR FACTOR		0.901			0.977			0.907			0.927		0.976
	APP/DEPART	292	/	484	590	/	288	631	/	764	575	/	552	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
	4		1	5
	4			4
	6			6
	2	1		3
	4			4
	7			7
	5			5
	2			2
0	34	1	1	36
	9			9
	10			10
	9			9
	9	2		11
	16	2		18
	13	1		14
	17	1		18
1	12	1	1	15
1	95	7	1	104
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
	1		2	3
1	1	1	5	8
2	2	2	5	11
1			2	3
2		2		4
2		2	5	9
1		1		2
			1	1
1			1	2
	4		6	10
3		1	2	6
3			1	4
4	1	0	3	8
4	2	1	2	9
4	3		4	11
2	3	1	3	9
4		1		5
3	1	1	2	7
3			2	5
5	1		6	12
4	2	1	5	12
5	3		5	13
		1	3	4
1				1
55	24	15	65	159

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
												0
												0
												0
												0
												0
				1								0
												0
												0
												0
												0
												0
												0
												0
												0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Northside Drive
EAST & WEST: Rio San Diego Drive

PROJECT #: PDT15-0911-01
LOCATION #: 36
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Northside Drive			SOUTHBOUND Northside Drive			EASTBOUND Rio San Diego Drive			WESTBOUND Rio San Diego Drive			
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 1	SR 1	EL 1.3	ET 0.3	ER 0.3	WL 0	WT 1	WR 0	TOTAL
WEEKDAY AM	7:00 AM	2	13	0	49	12	12	49	10	2	0	0	4	153
	7:15 AM	1	10	0	46	6	12	51	7	1	0	1	3	138
	7:30 AM	0	12	3	54	14	10	50	2	1	0	0	6	152
	7:45 AM	0	8	1	75	15	13	53	8	0	0	1	6	180
	8:00 AM	1	13	2	85	23	13	51	7	2	0	1	1	199
	8:15 AM	0	11	2	89	23	14	61	10	0	0	0	3	213
	8:30 AM	0	15	1	94	19	18	70	47	5	0	0	2	271
	8:45 AM	1	13	0	68	21	13	65	3	0	0	2	9	195
	VOLUMES	5	95	9	560	133	105	450	94	11	0	5	34	1,501
	APPROACH %	5%	87%	8%	70%	17%	13%	81%	17%	2%	0%	13%	87%	
	APP/DEPART	109	/	579	798	/	144	555	/	663	39	/	115	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	2	52	5	336	86	58	247	67	7	0	3	15	878
	APPROACH %	3%	88%	8%	70%	18%	12%	77%	21%	2%	0%	17%	83%	
	PEAK HR FACTOR		0.922			0.916			0.658			0.409		0.810
	APP/DEPART	59	/	314	480	/	93	321	/	408	18	/	63	0
WEEKDAY AM	11:00 AM	2	36	2	24	58	83	129	1	3	1	4	16	359
	11:15 AM	3	52	1	20	52	94	139	0	1	0	2	26	390
	11:30 AM	1	32	1	22	43	49	129	4	0	0	4	24	309
	11:45 AM	1	51	3	23	56	55	127	0	1	2	5	34	358
	12:00 PM	1	46	2	24	48	77	118	1	3	3	9	38	370
	12:15 PM	2	45	1	28	50	85	123	4	0	3	7	35	383
	12:30 PM	0	49	4	34	70	71	125	6	0	2	4	24	389
	12:45 PM	1	53	8	44	55	80	126	8	5	3	3	25	411
	VOLUMES	11	364	22	219	432	594	1,016	24	13	14	38	222	2,969
	APPROACH %	3%	92%	6%	18%	35%	48%	96%	2%	1%	5%	14%	81%	
	APP/DEPART	397	/	1,602	1,245	/	459	1,053	/	265	274	/	643	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	4	193	15	130	223	313	492	19	8	11	23	122	1,553
	APPROACH %	2%	91%	7%	20%	33%	47%	95%	4%	2%	7%	15%	78%	
	PEAK HR FACTOR		0.855			0.930			0.933			0.780		0.945
	APP/DEPART	212	/	807	666	/	242	519	/	164	156	/	340	0
WEEKDAY PM	4:00 PM	1	35	0	14	30	41	91	5	0	0	1	38	256
	4:15 PM	1	51	1	20	28	66	124	3	1	1	4	45	345
	4:30 PM	1	47	1	20	34	56	104	2	0	1	2	61	329
	4:45 PM	1	37	1	17	20	50	127	2	1	0	2	46	304
	5:00 PM	1	44	0	12	27	59	114	0	1	7	8	77	350
	5:15 PM	1	38	2	25	32	63	102	2	1	5	15	67	353
	5:30 PM	1	39	0	20	29	45	132	0	0	2	16	50	334
	5:45 PM	2	30	1	25	35	59	112	0	0	2	1	37	304
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	9	321	6	153	235	439	906	14	4	18	49	421	2,575
	APPROACH %	3%	96%	2%	19%	28%	53%	98%	2%	0%	4%	10%	86%	
	APP/DEPART	336	/	1,648	827	/	257	924	/	173	488	/	497	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	5	151	3	82	123	226	460	2	2	16	40	231	1,341
	APPROACH %	3%	95%	2%	19%	29%	52%	99%	0%	0%	6%	14%	80%	
	PEAK HR FACTOR		0.883			0.898			0.879			0.780		0.950
	APP/DEPART	159	/	842	431	/	141	464	/	87	287	/	271	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
	4			4
	7			7
	8			8
	2			2
	10			10
	5			5
	7			7
	4			4
0	47	0	0	47
	8			8
	9			9
	7			7
	13			13
	11			11
	11			11
	11			11
	13			13
0	83	0	0	83
	5		1	6
	7			7
	11			11
	6			6
	4			4
	16			16
	12			12
	13			13
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	74	0	1	75

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7	2	1	1		4
15			1		1
30			2		2
45	1				1
8			1		1
15			1		1
30	1				1
45					0
11	4		2		6
15	4				4
30	11			1	12
45	10			1	11
12	10	2		1	13
15	23	1			24
30	5	1	2		8
45	1		1		2
4					0
15			1		1
30	1				1
45	1				1
5			3		3
15					0
30	2				2
45	2		1		3
	78	5	16	3	102

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
												0
												0
						1						0
												0
												0
										1		1
												0
		1										0
												0
				1								0
						1						0
												0
				1								0
												0
				1								0
												0
												0
												0
0	0	1	0	2	0	2	0	0	0	1	0	2

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/17/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Rancho Mission Road
EAST & WEST: San Diego Mission Road

PROJECT #: PDT15-0911-01
LOCATION #: 37
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Rancho Mission Road			SOUTHBOUND Rancho Mission Road			EASTBOUND San Diego Mission Road			WESTBOUND San Diego Mission Road			
	LANES:	NL 1	NT 1	NR 1	SL 1	ST 1	SR 1	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	52	54	8	16	21	12	9	15	16	15	33	24	275
	7:15 AM	66	37	11	16	30	13	16	12	13	33	72	35	354
	7:30 AM	74	56	12	19	46	20	13	13	23	31	133	39	479
	7:45 AM	52	41	14	29	55	24	10	28	27	60	103	41	484
	8:00 AM	51	36	11	24	27	17	2	18	17	31	73	34	341
	8:15 AM	46	38	11	13	33	14	10	14	21	23	54	28	305
	8:30 AM	34	40	8	39	42	17	8	15	22	25	45	24	319
	8:45 AM	24	27	4	21	37	15	13	16	19	16	18	31	241
	VOLUMES	399	329	79	177	291	132	81	131	158	234	531	256	2,798
	APPROACH %	49%	41%	10%	30%	49%	22%	22%	35%	43%	23%	52%	25%	
	APP/DEPART	807	/	666	600	/	683	370	/	387	1,021	/	1,062	0
	BEGIN PEAK HR		7:15 AM											
	VOLUMES	243	170	48	88	158	74	41	71	80	155	381	149	1,658
	APPROACH %	53%	37%	10%	28%	49%	23%	21%	37%	42%	23%	56%	22%	
	PEAK HR FACTOR		0.812			0.741			0.738			0.839		0.856
	APP/DEPART	461	/	360	320	/	393	192	/	207	685	/	698	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	22	32	23	20	33	15	19	53	48	33	29	31	358
	4:15 PM	14	42	15	35	48	9	27	75	76	23	17	32	413
	4:30 PM	21	49	16	23	37	15	23	58	66	21	23	35	387
	4:45 PM	18	45	20	27	40	9	30	89	81	25	26	39	449
	5:00 PM	16	57	35	33	43	16	38	70	93	24	23	35	483
	5:15 PM	26	60	24	25	40	16	42	116	80	29	25	24	507
	5:30 PM	26	71	27	23	42	9	28	78	68	24	30	34	460
	5:45 PM	16	47	22	17	51	12	29	52	66	21	24	23	380
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	159	403	182	203	334	101	236	591	578	200	197	253	3,437
	APPROACH %	21%	54%	24%	32%	52%	16%	17%	42%	41%	31%	30%	39%	
	APP/DEPART	744	/	892	638	/	1,112	1,405	/	976	650	/	457	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	86	233	106	108	165	50	138	353	322	102	104	132	1,899
	APPROACH %	20%	55%	25%	33%	51%	15%	17%	43%	40%	30%	31%	39%	
	PEAK HR FACTOR		0.857			0.878			0.854			0.939		0.936
	APP/DEPART	425	/	503	323	/	589	813	/	567	338	/	240	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/10/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: Hazard Center Drive

PROJECT #: PDT15-0911-01
LOCATION #: 38
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Hazard Center Drive			WESTBOUND Hazard Center Drive			
	LANES:	NL 1	NT 1.5	NR 0.5	SL 1	ST 3	SR 0	EL 1.5	ET 0.5	ER 1	WL 0	WT 1	WR 0	TOTAL
WEEKDAY AM	7:00 AM	36	97	6	6	51	5	6	3	28	0	0	0	238
	7:15 AM	33	99	4	9	61	6	10	4	26	0	0	0	252
	7:30 AM	41	102	15	8	87	1	6	4	34	2	0	0	300
	7:45 AM	52	126	26	15	68	7	9	8	26	1	0	0	338
	8:00 AM	62	121	25	6	81	7	7	2	46	4	1	0	362
	8:15 AM	67	133	21	8	90	7	8	3	24	2	0	1	364
	8:30 AM	72	116	13	7	125	10	12	2	50	5	1	1	414
	8:45 AM	48	134	7	11	122	27	14	1	46	4	0	1	415
	VOLUMES	411	928	117	70	685	70	72	27	280	18	2	3	2,683
	APPROACH %	28%	64%	8%	8%	83%	8%	19%	7%	74%	78%	9%	13%	
	APP/DEPART	1,456	/	1,003	825	/	983	379	/	214	23	/	483	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	249	504	66	32	418	51	41	8	166	15	2	3	1,555
	APPROACH %	30%	62%	8%	6%	83%	10%	19%	4%	77%	75%	10%	15%	
	PEAK HR FACTOR		0.926			0.783			0.840			0.714		0.937
	APP/DEPART	819	/	548	501	/	599	215	/	106	20	/	302	0
WEEKDAY AM	11:00 AM	62	145	7	9	121	6	6	2	56	6	1	1	422
	11:15 AM	46	146	14	6	138	9	4	2	79	1	1	1	447
	11:30 AM	48	143	9	9	169	9	9	1	73	2	1	2	475
	11:45 AM	93	173	7	22	169	5	12	1	69	10	2	4	567
	12:00 PM	54	155	8	9	197	7	16	1	82	7	5	2	543
	12:15 PM	74	166	9	10	192	8	14	2	84	8	4	3	574
	12:30 PM	71	179	13	24	172	9	25	3	90	5	2	1	594
	12:45 PM	87	209	17	20	171	5	19	3	70	4	2	4	611
	VOLUMES	535	1,316	84	109	1,329	58	105	15	603	43	18	18	4,233
	APPROACH %	28%	68%	4%	7%	89%	4%	15%	2%	83%	54%	23%	23%	
	APP/DEPART	1,935	/	1,439	1,496	/	1,975	723	/	208	79	/	611	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	286	709	47	63	732	29	74	9	326	24	13	10	2,322
	APPROACH %	27%	68%	5%	8%	89%	4%	18%	2%	80%	51%	28%	21%	
	PEAK HR FACTOR		0.832			0.967			0.867			0.783		0.950
	APP/DEPART	1,042	/	793	824	/	1,082	409	/	119	47	/	328	0
WEEKDAY PM	4:00 PM	66	174	5	13	206	3	25	2	122	9	1	1	627
	4:15 PM	51	172	5	10	193	5	8	3	102	7	0	3	559
	4:30 PM	71	142	3	18	208	8	23	1	136	7	0	0	617
	4:45 PM	72	177	3	12	249	13	19	1	132	7	2	0	687
	5:00 PM	78	146	11	9	252	9	30	4	146	22	4	2	713
	5:15 PM	71	183	0	9	277	15	21	1	113	14	3	0	707
	5:30 PM	80	174	6	11	177	7	20	0	128	25	1	5	634
	5:45 PM	86	178	3	7	216	7	19	1	111	4	2	2	636
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	575	1,346	36	89	1,778	67	165	13	990	95	13	13	5,180
	APPROACH %	29%	69%	2%	5%	92%	3%	14%	1%	85%	79%	11%	11%	
	APP/DEPART	1,957	/	1,524	1,934	/	2,863	1,168	/	138	121	/	655	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	301	680	20	41	955	44	90	6	519	68	10	7	2,741
	APPROACH %	30%	68%	2%	4%	92%	4%	15%	1%	84%	80%	12%	8%	
	PEAK HR FACTOR		0.937			0.864			0.854			0.685		0.961
	APP/DEPART	1,001	/	777	1,040	/	1,542	615	/	67	85	/	355	0

U-TURNS

	NB	SB	EB	WB	TTL
	X	X	X	X	
7:00 AM	1	4			5
7:15 AM	2	6			8
7:30 AM	3	5			8
7:45 AM	1	6			7
8:00 AM	2	4			6
8:15 AM	4	5	2		11
8:30 AM	2	6	2		10
8:45 AM	4	8	1		13
	19	44	5	0	68
11:00 AM	9	7		1	17
11:15 AM	8	3		1	12
11:30 AM	14	5	1	1	21
11:45 AM	10	12			22
12:00 PM	5	5	1		11
12:15 PM	10	9			19
12:30 PM	13	17			30
12:45 PM	17	13	2		32
	86	71		3	164
4:00 PM	18	11	1		30
4:15 PM	15	10			25
4:30 PM	21	15			36
4:45 PM	17	11			28
5:00 PM	14	3			17
5:15 PM	18	9			27
5:30 PM	21	9			30
5:45 PM	25	6			31
	149	74	1	0	224

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7		7	2	2	11
15		4	2	3	9
30		3	2	3	8
45	1				1
8		1	1	2	4
15		8		4	12
30		4	1	2	7
45		3	3	2	8
11		7	4		11
15		3	3	5	11
30	1	1	4	2	8
45		5	6	3	14
12		5	2	5	12
15			1		1
30		5	2	5	12
45		6	1	3	10
4		4		3	7
15		5	3	3	11
30		2		2	4
45		2	2	3	7
5		3	1	4	8
15		3	2	3	8
30		7	2	6	15
45		1		2	3
	2	89	44	67	202

BIKE MOVEMENTS

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7					1								0
15													0
30													0
45									1				1
8	1												0
15											5		5
30													0
45													0
11													0
15													0
30		1			1			1		1			1
45													0
12								1					0
15		2											0
30					1								0
45													0
4													0
15		2						1					0
30					1			1					0
45													0
5		1			1								0
15		1			1								0
30					1			1					0
45		1									1		7
	1	8	0	0	7	0	0	5	1	1	6	0	14

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9-10-15	NORTH & SOUTH:	Avenida Del Rio	LOCATION #:	39
THURSDAY	EAST & WEST:	Camino De La Riena	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Avenida Del Rio			SOUTHBOUND Avenida Del Rio			EASTBOUND Camino De La Riena			WESTBOUND Camino De La Riena			
	LANES:	NL X	NT X	NR X	SL 1	ST X	SR 1	EL 1	ET 1	ER X	WL X	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM				5		1	1	27			33	14	81
	7:15 AM				6		2	1	19			48	26	102
	7:30 AM				14		1	5	35			58	24	137
	7:45 AM				18		6	4	35			62	27	152
	8:00 AM				11		3	10	46			104	47	221
	8:15 AM				10		5	5	43			155	49	267
	8:30 AM				18		7	8	46			151	46	276
	8:45 AM				16		3	12	43			90	52	216
	VOLUMES	0	0	0	98	0	28	46	294	0	0	701	285	1,452
	APPROACH %	0%	0%	0%	78%	0%	22%	14%	86%	0%	0%	71%	29%	
	APP/DEPART	0	/	331	126	/	0	340	/	392	986	/	729	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	0	0	55	0	18	35	178	0	0	500	194	980
	APPROACH %	0%	0%	0%	75%	0%	25%	16%	84%	0%	0%	72%	28%	
	PEAK HR FACTOR		0.000			0.730			0.951			0.850		0.888
	APP/DEPART	0	/	229	73	/	0	213	/	233	694	/	518	0
WEEKDAY AM	11:00 AM				40		9	21	55			40	67	232
	11:15 AM				35		8	23	62			43	92	263
	11:30 AM				40		16	22	49			42	76	245
	11:45 AM				41		8	20	62			56	89	276
	12:00 PM				46		17	24	78			51	79	295
	12:15 PM				54		10	26	66			58	96	310
	12:30 PM				58		22	23	64			69	97	333
	12:45 PM				68		16	16	64			51	84	299
	VOLUMES	0	0	0	382	0	106	175	500	0	0	410	680	2,253
	APPROACH %	0%	0%	0%	78%	0%	22%	26%	74%	0%	0%	38%	62%	
	APP/DEPART	0	/	855	488	/	0	675	/	882	1,090	/	516	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	0	0	0	226	0	65	89	272	0	0	229	356	1,237
	APPROACH %	0%	0%	0%	78%	0%	22%	25%	75%	0%	0%	39%	61%	
	PEAK HR FACTOR		0.000			0.866			0.885			0.881		0.929
	APP/DEPART	0	/	445	291	/	0	361	/	498	585	/	294	0
WEEKDAY PM	4:00 PM				84		30	10	82			64	59	329
	4:15 PM				70		17	17	81			61	79	325
	4:30 PM				78		19	14	93			74	78	356
	4:45 PM				87		8	15	111			68	73	362
	5:00 PM				88		24	15	122			76	96	421
	5:15 PM				94		17	16	102			80	77	386
	5:30 PM				93		14	26	91			60	80	364
	5:45 PM				71		20	25	93			42	79	330
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	665	0	149	138	775	0	0	525	621	2,873
	APPROACH %	0%	0%	0%	82%	0%	18%	15%	85%	0%	0%	46%	54%	
	APP/DEPART	0	/	759	814	/	0	913	/	1,440	1,146	/	674	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	0	0	362	0	63	72	426	0	0	284	326	1,533
	APPROACH %	0%	0%	0%	85%	0%	15%	14%	86%	0%	0%	47%	53%	
	PEAK HR FACTOR		0.000			0.949			0.909			0.887		0.910
	APP/DEPART	0	/	398	425	/	0	498	/	788	610	/	347	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/10/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: Camino De La Riena

PROJECT #: PDT15-0911-01
LOCATION #: 40
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Camino De La Riena			WESTBOUND Camino De La Riena			
	LANES:	NL 2	NT 3	NR 0	SL 2	ST 3	SR 1	EL 2	ET 2	ER 0	WL 2	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	10	97	9	10	52	12	12	13	9	19	24	22	289
	7:15 AM	15	82	10	19	53	10	22	10	12	18	35	29	315
	7:30 AM	31	109	10	15	63	33	10	17	12	18	36	40	394
	7:45 AM	27	144	20	22	57	34	17	16	11	18	40	44	450
	8:00 AM	36	134	20	16	74	14	8	12	9	30	59	55	467
	8:15 AM	53	148	14	29	56	27	24	20	24	20	63	60	538
	8:30 AM	42	121	18	37	94	46	25	26	8	13	91	50	571
	8:45 AM	29	125	18	46	109	31	21	14	10	22	89	36	550
	VOLUMES	243	960	119	194	558	207	139	128	95	158	437	336	3,574
	APPROACH %	18%	73%	9%	20%	58%	22%	38%	35%	26%	17%	47%	36%	
	APP/DEPART	1,322	/	1,435	959	/	811	362	/	441	931	/	887	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	160	528	70	128	333	118	78	72	51	85	302	201	2,126
	APPROACH %	21%	70%	9%	22%	58%	20%	39%	36%	25%	14%	51%	34%	
	PEAK HR FACTOR		0.881			0.778			0.739			0.955		0.931
	APP/DEPART	758	/	807	579	/	469	201	/	270	588	/	580	0
WEEKDAY AM	11:00 AM	56	107	56	57	78	32	52	59	42	65	54	66	724
	11:15 AM	61	105	71	92	100	29	42	78	51	62	85	56	832
	11:30 AM	40	113	68	70	130	40	48	48	33	78	45	57	770
	11:45 AM	59	129	51	92	113	54	52	81	43	78	77	78	907
	12:00 PM	42	122	66	81	165	57	61	76	52	69	57	72	920
	12:15 PM	46	104	55	101	100	54	61	104	44	90	86	72	917
	12:30 PM	45	131	52	102	146	37	65	85	50	74	67	88	942
	12:45 PM	48	130	57	90	103	46	68	83	68	94	79	84	950
	VOLUMES	397	941	476	685	935	349	449	614	383	610	550	573	6,962
	APPROACH %	22%	52%	26%	35%	47%	18%	31%	42%	26%	35%	32%	33%	
	APP/DEPART	1,814	/	1,963	1,969	/	1,928	1,446	/	1,775	1,733	/	1,296	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	181	487	230	374	514	194	255	348	214	327	289	316	3,729
	APPROACH %	20%	54%	26%	35%	48%	18%	31%	43%	26%	35%	31%	34%	
	PEAK HR FACTOR		0.955			0.893			0.933			0.907		0.981
	APP/DEPART	898	/	1,058	1,082	/	1,055	817	/	952	932	/	664	0
WEEKDAY PM	4:00 PM	49	96	32	92	178	51	58	94	47	63	57	65	882
	4:15 PM	36	106	47	92	162	57	58	95	50	51	57	67	878
	4:30 PM	50	88	30	108	185	56	47	95	44	52	51	59	865
	4:45 PM	40	116	34	121	173	62	48	105	57	68	79	60	963
	5:00 PM	51	123	38	98	234	55	57	113	59	65	72	55	1,020
	5:15 PM	51	109	43	109	223	73	63	122	48	70	70	84	1,065
	5:30 PM	52	106	30	99	209	65	55	106	55	86	63	72	998
	5:45 PM	46	104	35	114	178	47	55	112	59	70	52	75	947
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	375	848	289	833	1,542	466	441	842	419	525	501	537	7,618
	APPROACH %	25%	56%	19%	29%	54%	16%	26%	49%	25%	34%	32%	34%	
	APP/DEPART	1,512	/	1,826	2,841	/	2,486	1,702	/	1,964	1,563	/	1,342	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	194	454	145	427	839	255	223	446	219	289	284	271	4,046
	APPROACH %	24%	57%	18%	28%	55%	17%	25%	50%	25%	34%	34%	32%	
	PEAK HR FACTOR		0.935			0.939			0.953			0.942		0.950
	APP/DEPART	793	/	948	1,521	/	1,347	888	/	1,018	844	/	733	0

U-TURNS

	NB X	SB X	EB X	WB X	TTL
7:00 AM		1			1
7:15 AM		`			0
7:30 AM	1	1			2
7:45 AM	1	1			2
8:00 AM		2			2
8:15 AM		4			4
8:30 AM		6			6
8:45 AM	1	4			5
	3	19	0	0	22
11:00 AM		4			4
11:15 AM	1	7			8
11:30 AM	1	3			4
11:45 AM	2	4			6
12:00 PM	2	4			6
12:15 PM	1	15			16
12:30 PM	4	6			10
12:45 PM	2	8			10
	13	51	0	0	64
4:00 PM	3	3			6
4:15 PM	4	2			6
4:30 PM	3	9			12
4:45 PM		6			6
5:00 PM		6			6
5:15 PM		4			4
5:30 PM	1	5			6
5:45 PM	2	3			5
	13	38	0	0	51

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7	1		1	1	3
15	2	2		1	5
30	1	3			4
45		1	1	1	3
8	4	1	1	1	7
15	1	1	1		3
30		1	1	1	3
45		3	3	2	8
11		1	1	2	4
15	1	2	2		5
30	2		1		3
45			1		1
12	1	1	1		3
15	1	2			3
30	1	3	7	1	12
45	5	4		2	11
4	1	2	2		5
15	2	7	10	3	22
30	3	7		4	14
45	1	2	3	2	8
5	1	4	6	3	14
15	1	3	4	2	10
30	1	1	8		10
45	1	6	6		13
	31	57	60	26	174

BIKE MOVEMENTS

	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
7					1			1			1		1
15											1		1
30								1					0
45					1			2			2		2
8								3					0
15													0
30			1										0
45													0
11													0
15													0
30					1								0
45								1		1			1
12													0
15								1			1		1
30													0
45											1	1	2
4					1						1		1
15				1				1					0
30								1			1		1
45											1		1
5						1							0
15								1			2		2
30		1								1	1		2
45								3					13
	0	1	1	1	4	1	0	15	0	2	12	1	28

41

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Camino Del Este
EAST & WEST: Camino De La Riena

PROJECT #: PDT15-0911-01
LOCATION #: 41
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Camino Del Este			SOUTHBOUND Camino Del Este			EASTBOUND Camino De La Riena			WESTBOUND Camino De La Riena			
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	8	4	4	10	37	10	5	12	2	3	38	3	136
	7:15 AM	5	8	3	9	36	12	2	16	3	4	38	1	137
	7:30 AM	9	7	1	17	41	23	3	18	5	8	50	2	184
	7:45 AM	9	7	4	9	41	24	2	28	6	11	81	5	227
	8:00 AM	6	8	3	9	40	8	9	19	1	13	71	3	190
	8:15 AM	10	10	4	15	45	19	9	24	13	10	63	1	223
	8:30 AM	12	13	6	8	47	12	16	24	8	9	52	5	212
	8:45 AM	10	10	4	7	32	22	10	29	7	7	75	7	220
	VOLUMES	69	67	29	84	319	130	56	170	45	65	468	27	1,529
	APPROACH %	42%	41%	18%	16%	60%	24%	21%	63%	17%	12%	84%	5%	
	APP/DEPART	165	/	150	533	/	429	271	/	283	560	/	667	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	37	38	17	41	173	63	36	95	28	43	267	14	852
	APPROACH %	40%	41%	18%	15%	62%	23%	23%	60%	18%	13%	82%	4%	
	PEAK HR FACTOR		0.742			0.877			0.828			0.835		0.938
	APP/DEPART	92	/	88	277	/	244	159	/	153	324	/	367	0
WEEKDAY AM	11:00 AM	16	17	11	5	42	37	22	85	20	16	68	5	344
	11:15 AM	20	24	20	12	46	54	33	84	37	22	87	6	445
	11:30 AM	39	23	16	12	48	45	33	91	36	34	86	4	467
	11:45 AM	31	34	18	11	45	39	25	127	37	33	93	4	497
	12:00 PM	37	22	17	14	42	56	39	89	47	42	110	2	517
	12:15 PM	28	20	18	11	47	51	41	135	47	40	109	3	550
	12:30 PM	28	21	22	14	41	51	36	135	57	37	109	6	557
	12:45 PM	33	21	19	25	55	50	48	146	50	42	81	1	571
	VOLUMES	232	182	141	104	366	383	277	892	331	266	743	31	3,948
	APPROACH %	42%	33%	25%	12%	43%	45%	18%	59%	22%	26%	71%	3%	
	APP/DEPART	555	/	490	853	/	963	1,500	/	1,137	1,040	/	1,358	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	126	84	76	64	185	208	164	505	201	161	409	12	2,195
	APPROACH %	44%	29%	27%	14%	40%	46%	19%	58%	23%	28%	70%	2%	
	PEAK HR FACTOR		0.941			0.879			0.891			0.945		0.961
	APP/DEPART	286	/	260	457	/	547	870	/	645	582	/	743	0
WEEKDAY PM	4:00 PM	21	23	25	14	50	45	44	147	46	16	78	6	515
	4:15 PM	16	27	28	19	42	39	24	137	45	17	100	7	501
	4:30 PM	24	27	16	21	64	53	48	139	40	24	69	7	532
	4:45 PM	32	38	13	17	56	44	32	142	63	19	91	3	550
	5:00 PM	20	24	12	17	55	59	31	128	40	26	92	7	511
	5:15 PM	24	22	15	24	69	53	37	142	41	38	79	8	552
	5:30 PM	30	25	10	18	57	39	36	175	54	24	96	11	575
	5:45 PM	28	24	20	18	54	35	50	143	39	27	79	9	526
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	195	210	139	148	447	367	302	1,153	368	191	684	58	4,262
	APPROACH %	36%	39%	26%	15%	46%	38%	17%	63%	20%	20%	73%	6%	
	APP/DEPART	544	/	570	962	/	1,006	1,823	/	1,440	933	/	1,246	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	106	109	50	76	237	195	136	587	198	107	358	29	2,188
	APPROACH %	40%	41%	19%	15%	47%	38%	15%	64%	21%	22%	72%	6%	
	PEAK HR FACTOR		0.798			0.870			0.869			0.943		0.951
	APP/DEPART	265	/	274	508	/	542	921	/	713	494	/	659	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
			1	1
			1	1
			1	1
			4	4
			3	3
			5	5
		1	6	7
			1	1
0	0	1	22	23
		2	4	6
		4	6	10
	1	6	16	23
		3	11	14
		7	6	13
		6	7	13
		2	8	10
		8	14	22
0	1	38	72	111
		5	4	9
		4	5	9
		12	2	14
		7	5	12
		6	7	13
		6	8	14
		8	7	15
		5	4	9
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	53	42	95

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7					0
15					0
30		1			1
45	1	2	1		4
8			1		1
15	2		1	1	4
30		2	1	2	5
45	1		1		2
11		2	1	2	5
15		1	1	2	4
30		2	2	2	6
45	4	4	3	2	13
12	1	2	4	4	11
15		2	4	4	10
30			3	3	6
45	5	3	5	8	21
4	1	3	2	2	8
15		3	5	1	9
30	1	5	3	2	11
45	1	3	2	1	7
5	3	3	3	2	11
15	4	8	2	5	19
30	1	3	4	5	13
45	3	6	5	2	16
	28	55	54	50	187

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
							2					0
	1									1		1
							1					0
				1								0
										1		1
												0
												0
							1					0
							2			1		1
					1							0
										1		1
				1			1					0
				1			2					0
												0
	1			1			1					0
												0
												0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/17/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Qualcomm Way
EAST & WEST: Camino De La Riena

PROJECT #: PDT15-0911-01
LOCATION #: 42
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

N ▲ S ▼ W ◄ E ►

		NORTHBOUND Qualcomm Way			SOUTHBOUND Qualcomm Way			EASTBOUND Camino De La Riena			WESTBOUND Camino De La Riena			
	LANES:	NL 2	NT 3	NR 0	SL 2	ST 3	SR 0	EL 1	ET 2	ER 1	WL 2	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM	11	166	33	7	80	6	1	17	19	18	18	25	401
	7:15 AM	18	206	55	8	84	9	5	16	21	24	37	35	518
	7:30 AM	29	219	59	16	84	8	7	5	24	46	39	47	583
	7:45 AM	21	220	42	13	106	15	12	19	22	33	56	44	603
	8:00 AM	32	206	67	19	95	18	10	19	16	26	43	38	589
	8:15 AM	29	191	83	23	103	10	1	16	18	38	36	27	575
	8:30 AM	27	205	72	13	97	17	10	24	21	25	47	34	592
	8:45 AM	35	206	65	26	109	16	7	17	19	24	38	20	582
	VOLUMES	202	1,619	476	125	758	99	53	133	160	234	314	270	4,443
	APPROACH %	9%	70%	21%	13%	77%	10%	15%	38%	46%	29%	38%	33%	
	APP/DEPART	2,297	/	1,942	982	/	1,152	346	/	734	818	/	615	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	109	822	264	68	401	60	33	78	77	122	182	143	2,359
	APPROACH %	9%	69%	22%	13%	76%	11%	18%	41%	41%	27%	41%	32%	
	PEAK HR FACTOR		0.980			0.972			0.855			0.840		0.978
	APP/DEPART	1,195	/	998	529	/	600	188	/	410	447	/	351	0
WEEKDAY AM	11:00 AM	43	175	35	10	137	40	33	22	45	28	40	15	623
	11:15 AM	44	202	28	12	131	41	44	40	60	32	44	26	704
	11:30 AM	41	196	27	19	122	43	30	50	70	31	49	25	703
	11:45 AM	52	172	30	20	178	29	43	45	69	33	52	29	752
	12:00 PM	53	189	25	15	171	34	48	46	65	31	53	31	761
	12:15 PM	40	206	32	22	137	48	33	63	64	32	61	39	777
	12:30 PM	42	186	40	22	150	39	54	62	74	34	47	32	782
	12:45 PM	51	182	31	32	153	26	34	66	84	29	53	28	769
	VOLUMES	366	1,508	248	152	1,179	300	319	394	531	250	399	225	5,871
	APPROACH %	17%	71%	12%	9%	72%	18%	26%	32%	43%	29%	46%	26%	
	APP/DEPART	2,122	/	2,052	1,631	/	1,960	1,244	/	794	874	/	1,065	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	186	763	128	91	611	147	169	237	287	126	214	130	3,089
	APPROACH %	17%	71%	12%	11%	72%	17%	24%	34%	41%	27%	46%	28%	
	PEAK HR FACTOR		0.969			0.965			0.912			0.890		0.988
	APP/DEPART	1,077	/	1,062	849	/	1,024	693	/	456	470	/	547	0
WEEKDAY PM	4:00 PM	35	124	31	25	219	18	26	70	78	70	40	31	767
	4:15 PM	41	187	50	39	221	35	31	63	53	50	31	21	822
	4:30 PM	25	162	34	41	245	44	37	80	70	85	34	18	875
	4:45 PM	42	148	43	52	258	38	28	72	72	72	41	18	884
	5:00 PM	40	145	42	34	278	40	41	98	68	82	51	31	950
	5:15 PM	56	154	58	55	212	41	22	80	85	68	33	27	891
	5:30 PM	36	123	67	41	218	44	47	127	105	58	50	21	937
	5:45 PM	37	143	53	33	219	35	33	84	74	52	29	22	814
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	312	1,186	378	320	1,870	295	265	674	605	537	309	189	6,940
	APPROACH %	17%	63%	20%	13%	75%	12%	17%	44%	39%	52%	30%	18%	
	APP/DEPART	1,876	/	1,640	2,485	/	3,012	1,544	/	1,372	1,035	/	916	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	174	570	210	182	966	163	138	377	330	280	175	97	3,662
	APPROACH %	18%	60%	22%	14%	74%	12%	16%	45%	39%	51%	32%	18%	
	PEAK HR FACTOR		0.890			0.931			0.757			0.841		0.964
	APP/DEPART	954	/	805	1,311	/	1,576	845	/	769	552	/	512	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
		1		1
				0
	1		1	2
				0
		2		2
				0
				0
				0
0	1	3	1	5
		1	1	2
		2	1	3
		2		2
				0
		1		1
		3		3
		1		1
			3	3
0	0	10	5	15
		1		1
	2			2
	2			2
		1		1
		2		2
		1		1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	4	5	0	9

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
1			1	2
2		2		4
1				1
				0
1			1	2
3		1		4
1	1	1	3	6
6		1	1	8
			1	1
2				2
				0
2				2
1		1		2
6		1	1	8
1				1
2				2
				0
1				1
3		1		4
1				1
4				4
				0
2			#REF!	#REF!
40	1	8	#REF!	#REF!

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
										1		1
	2									2		2
1	1						1					0
				1			3			6		6
	2	1					2			3		3
	1	1										0
										1		1
		1								2		2
				1						6		6
	1						1			1		1
	1									1		1
							1					0
				1			1					0
												0
	1									1		1
										2		2
										2		2
										1		1
												0
												0
										1		1
	1											0
												27
1	10	3	0	3	0	0	9	0	0	30	0	57

43

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-17-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission City Parkway
EAST & WEST: Camino Del Rio North

PROJECT #: PDT15-0911-01
LOCATION #: 43
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Mission City Parkway			SOUTHBOUND Mission City Parkway			EASTBOUND Camino Del Rio North			WESTBOUND Camino Del Rio North			
	LANES:	NL 1	NT X	NR 1	SL X	ST X	SR X	EL X	ET 1	ER 1	WL 1	WT 1	WR X	TOTAL
WEEKDAY AM	7:00 AM	39		8					13	4	7	64		135
	7:15 AM	78		9					19	9	16	95		226
	7:30 AM	94		12					19	6	27	131		289
	7:45 AM	112		12					27	16	40	143		350
	8:00 AM	97		9					26	8	35	116		291
	8:15 AM	101		16					24	14	26	106		287
	8:30 AM	79		20					25	21	34	87		266
	8:45 AM	66		8					30	17	26	83		230
	VOLUMES	666	0	94	0	0	0	0	183	95	211	825	0	2,074
	APPROACH %	88%	0%	12%	0%	0%	0%	0%	66%	34%	20%	80%	0%	
	APP/DEPART	760	/	0	0	/	306	278	/	277	1,036	/	1,491	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	404	0	49	0	0	0	0	96	44	128	496	0	1,217
	APPROACH %	89%	0%	11%	0%	0%	0%	0%	69%	31%	21%	79%	0%	
	PEAK HR FACTOR		0.913			0.000			0.814			0.852		0.869
	APP/DEPART	453	/	0	0	/	172	140	/	145	624	/	900	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	26		22					84	102	12	40		286
	4:15 PM	23		15					93	93	16	54		294
	4:30 PM	26		25					103	150	22	53		379
	4:45 PM	27		22					89	112	21	55		326
	5:00 PM	26		32					139	164	33	63		457
	5:15 PM	20		31					132	109	26	53		371
	5:30 PM	21		18					137	124	22	66		388
	5:45 PM	9		21					94	83	14	47		268
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	178	0	186	0	0	0	0	871	937	166	431	0	2,769
	APPROACH %	49%	0%	51%	0%	0%	0%	0%	48%	52%	28%	72%	0%	
	APP/DEPART	364	/	0	0	/	1,103	1,808	/	1,057	597	/	609	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	94	0	103	0	0	0	0	497	509	102	237	0	1,542
	APPROACH %	48%	0%	52%	0%	0%	0%	0%	49%	51%	30%	70%	0%	
	PEAK HR FACTOR		0.849			0.000			0.830			0.883		0.844
	APP/DEPART	197	/	0	0	/	611	1,006	/	600	339	/	331	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-17-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Ward Road
EAST & WEST: Camino Del Rio North

PROJECT #: PDT15-0911-01
LOCATION #: 44
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Ward Road			SOUTHBOUND Ward Road			EASTBOUND Camino Del Rio North			WESTBOUND Camino Del Rio North			
	LANES:	NL X	NT X	NR X	SL 1	ST X	SR 1	EL 1	ET 2	ER X	WL X	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM				59		30	9	5			65	88	256
	7:15 AM				54		35	8	11			82	81	271
	7:30 AM				67		66	13	8			109	90	353
	7:45 AM				70		74	20	7			143	84	398
	8:00 AM				61		53	10	7			114	78	323
	8:15 AM				38		54	9	12			111	69	293
	8:30 AM				56		48	7	10			109	52	282
	8:45 AM				51		42	7	11			94	53	258
	VOLUMES	0	0	0	456	0	402	83	71	0	0	827	595	2,434
	APPROACH %	0%	0%	0%	53%	0%	47%	54%	46%	0%	0%	58%	42%	
	APP/DEPART	0	/	678	858	/	0	154	/	527	1,422	/	1,229	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	0	0	236	0	247	52	34	0	0	477	321	1,367
	APPROACH %	0%	0%	0%	49%	0%	51%	60%	40%	0%	0%	60%	40%	
	PEAK HR FACTOR		0.000			0.839			0.796			0.879		0.859
	APP/DEPART	0	/	373	483	/	0	86	/	270	798	/	724	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				79		20	42	84			20	39	284
	4:15 PM				91		27	49	83			31	42	323
	4:30 PM				115		24	50	87			40	52	368
	4:45 PM				116		32	40	79			39	47	353
	5:00 PM				96		29	45	117			30	33	350
	5:15 PM				106		28	61	131			37	61	424
	5:30 PM				84		39	67	112			29	59	390
	5:45 PM				100		27	51	80			31	39	328
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	787	0	226	405	773	0	0	257	372	2,820
	APPROACH %	0%	0%	0%	78%	0%	22%	34%	66%	0%	0%	41%	59%	
	APP/DEPART	0	/	777	1,013	/	0	1,178	/	1,560	629	/	483	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	0	0	402	0	128	213	439	0	0	135	200	1,517
	APPROACH %	0%	0%	0%	76%	0%	24%	33%	67%	0%	0%	40%	60%	
	PEAK HR FACTOR		0.000			0.895			0.849			0.855		0.894
	APP/DEPART	0	/	413	530	/	0	652	/	841	335	/	263	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
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				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0

45

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-17-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Fairmount Avenue
EAST & WEST: Camino Del Rio North

PROJECT #: PDT15-0911-01
LOCATION #: 45
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Fairmount Avenue			SOUTHBOUND Fairmount Avenue			EASTBOUND Camino Del Rio North			WESTBOUND Camino Del Rio North			
	LANES:	NL 1	NT 2	NR 0	SL 2	ST 2	SR 1	EL 1.5	ET 0.5	ER 1	WL 2	WT 0.5	WR 1.5	TOTAL
WEEKDAY AM	7:00 AM	72	212	23	1	119	11	9	3	69	92	77	51	739
	7:15 AM	97	233	13	3	161	13	11	2	70	113	98	49	863
	7:30 AM	96	269	21	2	184	20	13	6	78	116	12	48	865
	7:45 AM	102	314	31	4	188	37	15	5	95	87	122	50	1,050
	8:00 AM	94	343	42	5	198	30	7	3	86	103	102	53	1,066
	8:15 AM	106	309	43	4	180	20	8	7	70	115	103	76	1,041
	8:30 AM	78	320	53	1	188	15	14	9	71	104	85	70	1,008
	8:45 AM	84	269	49	1	184	21	4	6	78	84	78	75	933
	VOLUMES	729	2,269	275	21	1,402	167	81	41	617	814	677	472	7,565
	APPROACH %	22%	69%	8%	1%	88%	11%	11%	6%	83%	41%	34%	24%	
	APP/DEPART	3,273	/	2,822	1,590	/	2,833	739	/	337	1,963	/	1,573	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	380	1,286	169	14	754	102	44	24	322	409	412	249	4,165
	APPROACH %	21%	70%	9%	2%	87%	12%	11%	6%	83%	38%	39%	23%	
	PEAK HR FACTOR		0.958			0.933			0.848			0.910		0.977
	APP/DEPART	1,835	/	1,579	870	/	1,485	390	/	207	1,070	/	894	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	50	209	31	6	313	14	19	23	134	141	26	50	1,016
	4:15 PM	58	219	40	7	313	15	21	28	121	138	30	59	1,049
	4:30 PM	68	235	41	9	335	18	25	32	148	162	38	60	1,171
	4:45 PM	66	238	35	12	345	20	21	25	151	145	31	66	1,155
	5:00 PM	61	252	44	5	316	11	26	22	134	155	32	68	1,126
	5:15 PM	66	226	45	8	318	15	20	26	141	162	22	50	1,099
	5:30 PM	54	233	51	9	289	19	25	20	122	131	35	52	1,040
	5:45 PM	55	213	40	10	295	12	20	15	121	128	26	42	977
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	478	1,825	327	66	2,524	124	177	191	1,072	1,162	240	447	8,633
	APPROACH %	18%	69%	12%	2%	93%	5%	12%	13%	74%	63%	13%	24%	
	APP/DEPART	2,630	/	2,449	2,714	/	4,758	1,440	/	584	1,849	/	842	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	261	951	165	34	1,314	64	92	105	574	624	123	244	4,551
	APPROACH %	19%	69%	12%	2%	93%	5%	12%	14%	74%	63%	12%	25%	
	PEAK HR FACTOR		0.964			0.936			0.940			0.953		0.972
	APP/DEPART	1,377	/	1,287	1,412	/	2,512	771	/	304	991	/	448	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
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0	0	0	0	0
				0
				0
				0
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				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/10/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-8 WB Ramps
EAST & WEST: Hotel Circle North

PROJECT #: PDT15-0911-01
LOCATION #: 46
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-8 WB Ramps			SOUTHBOUND I-8 WB Ramps			EASTBOUND Hotel Circle North			WESTBOUND Hotel Circle North			
	LANES:	NL X	NT X	NR X	SL X	ST 1	SR 1	EL 1	ET X	ER 1	WL 0	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM					55	29	16		26	3	168	6	303
	7:15 AM					61	32	19		22	1	198	9	342
	7:30 AM					51	26	18		30	1	240	10	376
	7:45 AM					41	87	35		12	4	241	15	435
	8:00 AM					54	107	31		25	2	219	10	448
	8:15 AM					54	115	31		37	3	200	8	448
	8:30 AM					82	129	40		63	2	140	10	466
	8:45 AM					40	39	34		45	0	160	24	342
	VOLUMES	0	0	0	0	438	564	224	0	260	16	1,566	92	3,160
	APPROACH %	0%	0%	0%	0%	44%	56%	46%	0%	54%	1%	94%	5%	
	APP/DEPART	0	/	316	1,002	/	714	484	/	0	1,674	/	2,130	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	0	0	0	231	438	137	0	137	11	800	43	1,797
	APPROACH %	0%	0%	0%	0%	35%	65%	50%	0%	50%	1%	94%	5%	
	PEAK HR FACTOR		0.000			0.793			0.665			0.821		0.964
	APP/DEPART	0	/	180	669	/	379	274	/	0	854	/	1,238	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM					28	51	44		35	0	69	24	251
	4:15 PM					32	49	59		33	0	70	25	268
	4:30 PM					32	60	48		20	0	112	29	301
	4:45 PM					24	61	68		21	0	96	25	295
	5:00 PM					49	75	40		29	0	93	30	316
	5:15 PM					26	55	62		27	0	104	22	296
	5:30 PM					25	59	53		28	0	95	21	281
	5:45 PM					26	55	56		31	0	98	18	284
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	0	242	465	430	0	224	0	737	194	2,292
	APPROACH %	0%	0%	0%	0%	34%	66%	66%	0%	34%	0%	79%	21%	
	APP/DEPART	0	/	624	707	/	466	654	/	0	931	/	1,202	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	0	0	0	131	251	218	0	97	0	405	106	1,208
	APPROACH %	0%	0%	0%	0%	34%	66%	69%	0%	31%	0%	79%	21%	
	PEAK HR FACTOR		0.000			0.770			0.885			0.906		0.956
	APP/DEPART	0	/	324	382	/	228	315	/	0	511	/	656	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
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0	0	0	0	0
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				0
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				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-8 WB Ramps
EAST & WEST: Hotel Circle North

PROJECT #: PDT15-0911-01
LOCATION #: 47
CONTROL: STOP

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-8 WB Ramps			SOUTHBOUND I-8 WB Ramps			EASTBOUND Hotel Circle North			WESTBOUND Hotel Circle North			
	LANES:	NL 1	NT 0	NR 1	SL 0	ST 1	SR 0	EL 0	ET 1	ER 1	WL 1	WT 1	WR 0	TOTAL
WEEKDAY AM	7:00 AM	66	2	121	0	0	1	1	15	1	26	18	4	255
	7:15 AM	70	3	142	2	0	0	1	28	2	25	29	5	307
	7:30 AM	89	3	138	1	1	0	0	26	3	28	33	6	328
	7:45 AM	91	3	175	1	0	0	0	35	2	19	39	5	370
	8:00 AM	88	4	162	2	0	1	0	28	2	20	40	4	351
	8:15 AM	94	4	184	3	1	0	0	20	1	28	44	2	381
	8:30 AM	70	5	151	2	0	0	0	28	2	22	51	4	335
	8:45 AM	88	1	160	1	0	0	0	38	1	24	42	3	358
	VOLUMES	656	25	1,233	12	2	2	2	218	14	192	296	33	2,685
	APPROACH %	34%	1%	64%	75%	13%	13%	1%	93%	6%	37%	57%	6%	
	APP/DEPART	1,914	/	60	16	/	208	234	/	1,463	521	/	954	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	343	16	672	8	1	1	0	111	7	89	174	15	1,437
	APPROACH %	33%	2%	65%	80%	10%	10%	0%	94%	6%	32%	63%	5%	
	PEAK HR FACTOR		0.914			0.625			0.797			0.903		0.943
	APP/DEPART	1,031	/	31	10	/	97	118	/	791	278	/	518	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	40	1	105	2	0	0	0	61	3	70	18	2	302
	4:15 PM	29	1	135	2	0	1	1	66	3	61	26	2	327
	4:30 PM	35	2	135	0	0	0	1	91	2	80	29	2	377
	4:45 PM	31	1	142	1	1	1	0	80	4	88	33	4	386
	5:00 PM	33	0	121	2	0	0	0	74	5	78	28	2	343
	5:15 PM	40	1	108	1	0	0	0	65	6	84	26	1	332
	5:30 PM	36	2	116	2	0	0	0	55	5	74	44	2	336
	5:45 PM	31	1	126	1	1	0	0	62	5	77	35	1	340
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	275	9	988	11	2	2	2	554	33	612	239	16	2,743
	APPROACH %	22%	1%	78%	73%	13%	13%	0%	94%	6%	71%	28%	2%	
	APP/DEPART	1,272	/	27	15	/	647	589	/	1,553	867	/	516	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	139	4	506	4	1	1	1	310	17	330	116	9	1,438
	APPROACH %	21%	1%	78%	67%	17%	17%	0%	95%	5%	73%	25%	2%	
	PEAK HR FACTOR		0.932			0.500			0.872			0.910		0.931
	APP/DEPART	649	/	14	6	/	348	328	/	820	455	/	256	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
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0	0	0	0	0
				0
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				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Fashion Valley Road
EAST & WEST: Hotel Circle North

PROJECT #: PDT15-0911-01
LOCATION #: 48
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Fashion Valley Road			SOUTHBOUND Fashion Valley Road			EASTBOUND Hotel Circle North			WESTBOUND Hotel Circle North			
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	LANES:	X	X	X	1	X	1	1	1	X	X	1	1	
WEEKDAY AM	7:00 AM				25		9	31	94			24	17	200
	7:15 AM				13		12	42	115			41	21	244
	7:30 AM				24		9	38	131			46	21	269
	7:45 AM				26		20	72	168			39	32	357
	8:00 AM				24		21	61	132			28	20	286
	8:15 AM				32		25	82	137			77	37	390
	8:30 AM				35		20	64	135			59	20	333
	8:45 AM				24		22	55	145			45	23	314
	VOLUMES	0	0	0	203	0	138	445	1,057	0	0	359	191	2,393
	APPROACH %	0%	0%	0%	60%	0%	40%	30%	70%	0%	0%	65%	35%	
	APP/DEPART	0	/	636	341	/	0	1,502	/	1,260	550	/	497	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	0	0	117	0	86	279	572	0	0	203	109	1,366
	APPROACH %	0%	0%	0%	58%	0%	42%	33%	67%	0%	0%	65%	35%	
	PEAK HR FACTOR		0.000			0.890			0.886			0.684		0.876
	APP/DEPART	0	/	388	203	/	0	851	/	689	312	/	289	0
WEEKDAY AM	11:00 AM				28		20	69	76			37	32	262
	11:15 AM				25		40	73	69			47	26	280
	11:30 AM				18		35	73	76			41	39	282
	11:45 AM				23		28	91	85			52	36	315
	12:00 PM				39		30	73	84			41	43	310
	12:15 PM				28		34	74	91			48	33	308
	12:30 PM				30		33	72	85			51	35	306
	12:45 PM				35		46	103	75			53	35	347
	VOLUMES	0	0	0	226	0	266	628	641	0	0	370	279	2,410
	APPROACH %	0%	0%	0%	46%	0%	54%	49%	51%	0%	0%	57%	43%	
	APP/DEPART	0	/	907	492	/	0	1,269	/	867	649	/	636	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	0	0	0	132	0	143	322	335	0	0	193	146	1,271
	APPROACH %	0%	0%	0%	48%	0%	52%	49%	51%	0%	0%	57%	43%	
	PEAK HR FACTOR		0.000			0.849			0.923			0.963		0.916
	APP/DEPART	0	/	468	275	/	0	657	/	467	339	/	336	0
WEEKDAY PM	4:00 PM				45		41	74	104			52	35	351
	4:15 PM				40		53	85	119			56	26	379
	4:30 PM				53		36	112	139			61	41	442
	4:45 PM				45		41	96	113			76	39	410
	5:00 PM				62		69	68	124			74	31	428
	5:15 PM				49		50	76	80			76	36	367
	5:30 PM				65		37	82	108			70	37	399
	5:45 PM				64		43	75	103			65	36	386
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	423	0	370	668	890	0	0	530	281	3,162
	APPROACH %	0%	0%	0%	53%	0%	47%	43%	57%	0%	0%	65%	35%	
	APP/DEPART	0	/	949	793	/	0	1,558	/	1,313	811	/	900	0
	BEGIN PEAK HR		4:15 PM											
	VOLUMES	0	0	0	200	0	199	361	495	0	0	267	137	1,659
	APPROACH %	0%	0%	0%	50%	0%	50%	42%	58%	0%	0%	66%	34%	
	PEAK HR FACTOR		0.000			0.761			0.853			0.878		0.938
	APP/DEPART	0	/	498	399	/	0	856	/	695	404	/	466	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
			2	2
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2				2
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2	0	0	4	6
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PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	
				0	7:00 AM
2				2	7:15 AM
				0	7:30 AM
			2	2	7:45 AM
2				2	8:00 AM
				0	8:15 AM
3				3	8:30 AM
				0	8:45 AM
1				1	11:00 AM
				0	11:15 AM
				0	11:30 AM
				0	11:45 AM
1				1	12:00 PM
				0	12:15 PM
				0	12:30 PM
11				11	12:45 PM
3				3	4:00 PM
				0	4:15 PM
				0	4:30 PM
1				1	4:45 PM
1				1	5:00 PM
1				1	5:15 PM
7				7	5:30 PM
2				2	5:45 PM
35	0	0	2	37	

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
							1			1		1
					1							0
					1						2	2
					1	6	1			1	1	2
												0
					1					1		1
										1	2	3
											2	2
			1									0
			1				1				1	1
					1					1		1
										1	1	2
										1		1
												0
							1					0
			1				1			3	2	5
			1			6						0
					1		2				1	1
							2				2	2
												0
										2		2
			1									24
0	0	0	5	0	7	14	8	0	0	13	14	51

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Rd
EAST & WEST: Camino Del Rio N.

PROJECT #: PDT15-0911-01
LOCATION #: 49
CONTROL: Signal

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N / ◄ W / E ► / S ▼

		NORTHBOUND Mission Center Rd			SOUTHBOUND Mission Center Rd			EASTBOUND Camino Del Rio N.			WESTBOUND Camino Del Rio N.			
	LANES:	NL 2	NT 2	NR 1	SL 2	ST 2	SR 1	EL 1	ET 2	ER 1	WL 2	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM	15	30	40	30	38	3	0	8	12	44	61	88	369
	7:15 AM	20	38	33	33	44	4	1	12	11	51	70	70	387
	7:30 AM	26	44	38	28	51	5	0	18	11	54	50	111	436
	7:45 AM	33	51	41	35	68	9	0	12	8	44	48	126	475
	8:00 AM	45	65	54	31	65	8	1	19	15	51	40	115	509
	8:15 AM	41	64	61	44	62	5	2	21	18	55	64	128	565
	8:30 AM	35	62	68	35	68	5	0	16	20	62	69	121	561
	8:45 AM	33	55	70	30	77	6	0	10	16	51	90	103	541
	VOLUMES	248	409	405	266	473	45	4	116	111	412	492	862	3,843
	APPROACH %	23%	39%	38%	34%	60%	6%	2%	50%	48%	23%	28%	49%	
	APP/DEPART	1,062	/	1,275	784	/	996	231	/	787	1,766	/	785	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	154	246	253	140	272	24	3	66	69	219	263	467	2,176
	APPROACH %	24%	38%	39%	32%	62%	6%	2%	48%	50%	23%	28%	49%	
	PEAK HR FACTOR		0.983			0.965			0.841			0.941		0.963
	APP/DEPART	653	/	716	436	/	560	138	/	459	949	/	441	0
WEEKDAY AM	11:00 AM	30	77	77	66	105	10	3	44	28	51	55	121	667
	11:15 AM	22	84	84	65	126	8	4	51	31	50	60	135	720
	11:30 AM	28	94	95	54	144	9	2	68	33	44	45	141	757
	11:45 AM	29	98	99	56	158	12	2	77	42	45	55	128	801
	12:00 PM	33	111	103	65	184	6	4	58	28	51	55	135	833
	12:15 PM	31	84	121	70	169	8	5	55	40	65	74	116	838
	12:30 PM	25	95	116	65	188	9	2	68	32	65	68	132	865
	12:45 PM	26	80	105	51	192	10	3	81	44	70	50	128	840
	VOLUMES	224	723	800	492	1,266	72	25	502	278	441	462	1,036	6,321
	APPROACH %	13%	41%	46%	27%	69%	4%	3%	62%	35%	23%	24%	53%	
	APP/DEPART	1,747	/	1,784	1,830	/	1,985	805	/	1,794	1,939	/	758	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	115	370	445	251	733	33	14	262	144	251	247	511	3,376
	APPROACH %	12%	40%	48%	25%	72%	3%	3%	62%	34%	25%	24%	51%	
	PEAK HR FACTOR		0.941			0.970			0.820			0.952		0.976
	APP/DEPART	930	/	895	1,017	/	1,128	420	/	958	1,009	/	395	0
WEEKDAY PM	4:00 PM	35	88	111	88	167	12	7	40	50	61	60	70	789
	4:15 PM	40	80	108	70	184	18	8	55	50	70	68	111	862
	4:30 PM	41	77	121	84	212	20	6	40	68	77	70	99	915
	4:45 PM	35	80	132	95	208	16	5	35	70	65	54	105	900
	5:00 PM	48	91	152	88	216	11	5	45	54	55	68	105	938
	5:15 PM	42	70	131	84	222	9	3	51	55	54	70	99	890
	5:30 PM	40	84	111	77	216	12	5	66	60	77	54	106	908
	5:45 PM	31	81	121	84	184	15	4	32	51	70	56	111	840
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	312	651	987	670	1,609	113	43	364	458	529	500	806	7,042
	APPROACH %	16%	33%	51%	28%	67%	5%	5%	42%	53%	29%	27%	44%	
	APP/DEPART	1,950	/	1,500	2,392	/	2,596	865	/	2,021	1,835	/	925	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	166	318	536	351	858	56	19	171	247	251	262	408	3,643
	APPROACH %	16%	31%	53%	28%	68%	4%	4%	39%	57%	27%	28%	44%	
	PEAK HR FACTOR		0.876			0.991			0.834			0.936		0.971
	APP/DEPART	1,020	/	745	1,265	/	1,356	437	/	1,058	921	/	484	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
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				0
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0	0	0	1	1

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	
2	4	0	2	8	7:00 AM
0	2	0	2	4	7:15 AM
2	3	0	0	5	7:30 AM
4	5	0	2	11	7:45 AM
3	2	0	0	5	8:00 AM
0	1	0	0	1	8:15 AM
1	1	0	0	2	8:30 AM
0	4	0	0	4	8:45 AM
0	1	0	0	1	11:00 AM
1	2	0	0	3	11:15 AM
1	5	0	1	7	11:30 AM
1	4	0	0	5	11:45 AM
2	1	0	1	4	12:00 PM
0	3	0	0	3	12:15 PM
0	1	0	0	1	12:30 PM
0	0	0	0	0	12:45 PM
3	1	0	1	5	4:00 PM
1	0	0	0	1	4:15 PM
0	1	0	0	1	4:30 PM
3	1	0	0	4	4:45 PM
1	1	0	0	2	5:00 PM
3	0	0	0	3	5:15 PM
5	0	0	1	6	5:30 PM
6	5	0	4	15	5:45 PM
39	48	0	14	101	

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
	0			1			0			0		0
	3			3			0			0		0
	2			3			0			0		0
	0			3			0			0		0
	0			2			0			0		0
	1			1			0			0		0
	0			0			0			0		0
	4			0			0			0		0
	0			0			0			0		0
	0			0			0			0		0
	1			0			0			0		0
	2			0			0			0		0
1	2			0			0			0		0
	1			0			0			0		0
1	0			1			0			0		0
	1			2			0			0		0
	0			2			0			0		0
	0			0			0			0		0
	1			4			0			0		1
	1			5			0			0		1
	5			5			0			0		2
4	18	0	0	34	0	0	0	0	0	2	0	4

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE:	LOCATION:	MISSION VALLEY	PROJECT #:	PDT15-0911-01
9/10/15	NORTH & SOUTH:	I-8 Ramps	LOCATION #:	50
THURSDAY	EAST & WEST:	Camino Del Rio North	CONTROL:	SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND I-8 Ramps			SOUTHBOUND I-8 Ramps			EASTBOUND Camino Del Rio North			WESTBOUND Camino Del Rio North			
	LANES:	NL 1.5	NT 0.5	NR 1	SL X	ST X	SR X	EL X	ET 2	ER 1	WL 1	WT 2	WR X	TOTAL
WEEKDAY AM	7:00 AM	173	6	22					7	53	27	24		312
	7:15 AM	169	10	24					18	68	24	23		336
	7:30 AM	171	9	21					10	91	32	25		359
	7:45 AM	158	5	18					18	70	29	33		331
	8:00 AM	177	8	16					19	72	36	24		352
	8:15 AM	224	18	30					32	112	24	23		463
	8:30 AM	220	19	32					18	91	26	22		428
	8:45 AM	219	28	31					20	105	28	24		455
	VOLUMES	1,511	103	194	0	0	0	0	142	662	226	198	0	3,036
	APPROACH %	84%	6%	11%	0%	0%	0%	0%	18%	82%	53%	47%	0%	
	APP/DEPART	1,808	/	103	0	/	888	804	/	336	424	/	1,709	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	840	73	109	0	0	0	0	89	380	114	93	0	1,698
	APPROACH %	82%	7%	11%	0%	0%	0%	0%	19%	81%	55%	45%	0%	
	PEAK HR FACTOR		0.919			0.000			0.814			0.863		0.917
	APP/DEPART	1,022	/	73	0	/	494	469	/	198	207	/	933	0
WEEKDAY AM	11:00 AM	148	19	53					66	148	59	67		560
	11:15 AM	164	32	59					76	152	69	76		628
	11:30 AM	167	42	62					65	161	72	62		631
	11:45 AM	169	44	52					58	162	74	66		625
	12:00 PM	173	39	64					71	151	74	58		630
	12:15 PM	181	41	59					72	166	61	63		643
	12:30 PM	199	55	63					89	167	83	72		728
	12:45 PM	203	68	54					103	199	99	68		794
	VOLUMES	1,404	340	466	0	0	0	0	600	1,306	591	532	0	5,239
	APPROACH %	64%	15%	21%	0%	0%	0%	0%	31%	69%	53%	47%	0%	
	APP/DEPART	2,210	/	340	0	/	1,897	1,906	/	1,066	1,123	/	1,936	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	756	203	240	0	0	0	0	335	683	317	261	0	2,795
	APPROACH %	63%	17%	20%	0%	0%	0%	0%	33%	67%	55%	45%	0%	
	PEAK HR FACTOR		0.922			0.000			0.843			0.865		0.880
	APP/DEPART	1,199	/	203	0	/	1,000	1,018	/	575	578	/	1,017	0
WEEKDAY PM	4:00 PM	149	20	83					56	190	58	66		622
	4:15 PM	166	29	71					55	197	76	81		675
	4:30 PM	168	37	84					71	161	59	71		651
	4:45 PM	155	23	78					48	197	68	69		638
	5:00 PM	139	23	92					50	201	73	76		654
	5:15 PM	166	26	77					49	213	62	65		658
	5:30 PM	178	21	65					39	219	55	58		635
	5:45 PM	189	32	55					42	188	45	60		611
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	1,310	211	605	0	0	0	0	410	1,566	496	546	0	5,144
	APPROACH %	62%	10%	28%	0%	0%	0%	0%	21%	79%	48%	52%	0%	
	APP/DEPART	2,126	/	211	0	/	2,062	1,976	/	1,015	1,042	/	1,856	0
	BEGIN PEAK HR		4:15 PM											
	VOLUMES	628	112	325	0	0	0	0	224	756	276	297	0	2,618
	APPROACH %	59%	11%	31%	0%	0%	0%	0%	23%	77%	48%	52%	0%	
	PEAK HR FACTOR		0.921			0.000			0.935			0.912		0.970
	APP/DEPART	1,065	/	112	0	/	1,032	980	/	549	573	/	925	0

U-TURNS					
NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
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PEDESTRIAN CROSSINGS				
N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
				0
				0
				0
				0
				0
				0
	no peds			0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

BIKE MOVEMENTS												
NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
												0
												0
												0
												0
		no bikes										0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
0	0	0	0	0	0	0	0	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-16-15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Camino Del Este
EAST & WEST: Camino Del Rio North

PROJECT #: PDT15-0911-01
LOCATION #: 51
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

N ▲ S ▼ W ◄ E ►

		NORTHBOUND Camino Del Este			SOUTHBOUND Camino Del Este			EASTBOUND Camino Del Rio North			WESTBOUND Camino Del Rio North			
	LANES:	NL X	NT X	NR X	SL 1	ST X	SR 1	EL 1	ET 1	ER X	WL X	WT 2	WR 1	TOTAL
WEEKDAY AM	7:00 AM	-			35		6	9	13			15	6	84
	7:15 AM				30		6	15	8			14	8	81
	7:30 AM				36		16	19	11			19	12	113
	7:45 AM				37		17	19	18			28	14	133
	8:00 AM				30		16	18	20			30	9	123
	8:15 AM				44		14	19	19			29	19	144
	8:30 AM				42		10	25	22			49	15	163
	8:45 AM				36		10	19	18			53	18	154
	VOLUMES	0	0	0	290	0	95	143	129	0	0	237	101	995
	APPROACH %	0%	0%	0%	75%	0%	25%	53%	47%	0%	0%	70%	30%	
	APP/DEPART	0	/	244	385	/	0	272	/	419	338	/	332	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	0	0	152	0	50	81	79	0	0	161	61	584
	APPROACH %	0%	0%	0%	75%	0%	25%	51%	49%	0%	0%	73%	27%	
	PEAK HR FACTOR		0.000			0.871			0.851			0.782		0.896
	APP/DEPART	0	/	142	202	/	0	160	/	231	222	/	211	0
WEEKDAY AM	11:00 AM				64		31	54	52			65	27	293
	11:15 AM				62		33	49	57			62	31	294
	11:30 AM				64		30	50	57			61	29	291
	11:45 AM				43		25	50	48			79	32	277
	12:00 PM				69		21	52	56			76	43	317
	12:15 PM				74		34	55	45			81	35	324
	12:30 PM				85		28	58	60			64	37	332
	12:45 PM				78		39	45	66			55	44	327
	VOLUMES	0	0	0	539	0	241	413	441	0	0	543	278	2,455
	APPROACH %	0%	0%	0%	69%	0%	31%	48%	52%	0%	0%	66%	34%	
	APP/DEPART	0	/	691	780	/	0	854	/	980	821	/	784	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	0	0	0	306	0	122	210	227	0	0	276	159	1,300
	APPROACH %	0%	0%	0%	71%	0%	29%	48%	52%	0%	0%	63%	37%	
	PEAK HR FACTOR		0.000			0.915			0.926			0.914		0.979
	APP/DEPART	0	/	369	428	/	0	437	/	533	435	/	398	0
WEEKDAY PM	4:00 PM				76		24	57	87			46	24	314
	4:15 PM				96		25	58	85			49	30	343
	4:30 PM				83		32	47	64			59	15	300
	4:45 PM				94		51	58	68			66	31	368
	5:00 PM				79		31	41	64			44	21	280
	5:15 PM				97		38	46	61			58	26	326
	5:30 PM				106		31	44	64			60	25	330
	5:45 PM				77		37	45	71			51	36	317
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	708	0	269	396	564	0	0	433	208	2,578
	APPROACH %	0%	0%	0%	72%	0%	28%	41%	59%	0%	0%	68%	32%	
	APP/DEPART	0	/	604	977	/	0	960	/	1,272	641	/	702	0
	BEGIN PEAK HR		4:00 PM											
	VOLUMES	0	0	0	349	0	132	220	304	0	0	220	100	1,325
	APPROACH %	0%	0%	0%	73%	0%	27%	42%	58%	0%	0%	69%	31%	
	PEAK HR FACTOR		0.000			0.829			0.910			0.825		0.900
	APP/DEPART	0	/	320	481	/	0	524	/	653	320	/	352	0

U-TURNS

NB	SB	EB	WB	TTL
				0
				0
				0
				0
				0
1				1
				0
				0
				0
1	0	0	0	1
				0
				0
				0
				0
				0
2				2
				0
				0
				0
				0
2	0	0	0	2
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-16-15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Qualcomm Way
EAST & WEST: Camino Del Rio North/ I-8 WB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 52
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER

N ▲ S ▼ W ◄ E ►

		NORTHBOUND Qualcomm Way			SOUTHBOUND Qualcomm Way			EASTBOUND Camino Del Rio North/ I-8 WB Ramps			WESTBOUND Camino Del Rio North/ I-8 WB Ramps			
	LANES:	NL 1	NT 3	NR X	SL X	ST 2	SR 1	EL 1	ET X	ER 1	WL 0.5	WT 0.5	WR 1	TOTAL
WEEKDAY AM	7:00 AM	14	111			63	58	6		16	3	9	100	380
	7:15 AM	6	150			65	45	1		18	2	14	76	377
	7:30 AM	21	163			66	52	5		17	4	21	85	434
	7:45 AM	20	218			74	65	6		14	2	14	98	511
	8:00 AM	23	230			31	104	9		15	1	64	70	547
	8:15 AM	16	185			68	65	9		21	4	28	87	483
	8:30 AM	28	183			73	69	5		20	7	36	113	534
	8:45 AM	21	214			90	58	10		24	5	38	113	573
	VOLUMES	149	1,454	0	0	530	516	51	0	145	28	224	742	3,839
	APPROACH %	9%	91%	0%	0%	51%	49%	26%	0%	74%	3%	23%	75%	
	APP/DEPART	1,603	/	2,247	1,046	/	703	196	/	0	994	/	889	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	88	812	0	0	262	296	33	0	80	17	166	383	2,137
	APPROACH %	10%	90%	0%	0%	47%	53%	29%	0%	71%	3%	29%	68%	
	PEAK HR FACTOR		0.889			0.943			0.831			0.907		0.932
	APP/DEPART	900	/	1,228	558	/	359	113	/	0	566	/	550	0
WEEKDAY AM	11:00 AM	41	118			104	78	14		54	2	19	66	496
	11:15 AM	52	132			130	83	21		62	2	24	81	587
	11:30 AM	44	147			143	100	9		45	3	32	89	612
	11:45 AM	47	163			191	90	19		59	6	30	65	670
	12:00 PM	49	166			152	73	13		68	3	39	60	623
	12:15 PM	51	201			183	114	13		54	1	38	61	716
	12:30 PM	54	199			153	115	16		62	4	36	59	698
	12:45 PM	36	196			178	118	19		85	4	44	66	746
	VOLUMES	374	1,322	0	0	1,234	771	124	0	489	25	262	547	5,148
	APPROACH %	22%	78%	0%	0%	62%	38%	20%	0%	80%	3%	31%	66%	
	APP/DEPART	1,696	/	1,993	2,005	/	1,748	613	/	0	834	/	1,407	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	190	762	0	0	666	420	61	0	269	12	157	246	2,783
	APPROACH %	20%	80%	0%	0%	61%	39%	18%	0%	82%	3%	38%	59%	
	PEAK HR FACTOR		0.941			0.914			0.793			0.910		0.933
	APP/DEPART	952	/	1,069	1,086	/	947	330	/	0	415	/	767	0
WEEKDAY PM	4:00 PM	37	157			199	116	82		81	2	33	66	773
	4:15 PM	45	143			200	132	28		99	4	30	52	733
	4:30 PM	20	131			237	148	26		97	3	24	45	731
	4:45 PM	47	178			244	146	26		80	4	28	54	807
	5:00 PM	20	145			264	139	29		91	4	33	57	782
	5:15 PM	36	151			259	144	14		74	5	32	64	779
	5:30 PM	50	128			237	142	23		106	6	25	73	790
	5:45 PM	39	136			233	112	23		97	2	24	81	747
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	294	1,169	0	0	1,873	1,079	251	0	725	30	229	492	6,142
	APPROACH %	20%	80%	0%	0%	63%	37%	26%	0%	74%	4%	30%	66%	
	APP/DEPART	1,463	/	1,912	2,952	/	2,628	976	/	0	751	/	1,602	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	153	602	0	0	1,004	571	92	0	351	19	118	248	3,158
	APPROACH %	20%	80%	0%	0%	64%	36%	21%	0%	79%	5%	31%	64%	
	PEAK HR FACTOR		0.839			0.977			0.859			0.900		0.978
	APP/DEPART	755	/	942	1,575	/	1,374	443	/	0	385	/	842	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
		3		3
				0
				0
				0
				0
		2		2
		1		1
				0
				0
0	0	6	0	6
		2		2
				0
				0
				0
		1		1
		1		1
				0
				0
0	0	4	0	4
				0
		3		3
		1		1
		4		4
				0
		5		5
		4		4
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	17	0	17

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7			2	2	4
15				1	1
30		1			1
45					0
8					0
15					0
30		1			1
45		3			3
11	3		1		4
15		2			2
30		1			1
45					0
12					0
15					0
30	6				6
45					0
4					0
15	2				2
30	2				2
45					0
5				1	1
15	3				3
30					0
45	1			1	2
	17	8	3	5	33

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
												0
												0
												0
	1					1						0
												0
												0
												0
								1				0
												0
												0
												0
												0
												0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/10/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Morena Boulevard
EAST & WEST: Taylor Street

PROJECT #: PDT15-0911-01
LOCATION #: 53
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Morena Boulevard			SOUTHBOUND Morena Boulevard			EASTBOUND Taylor Street			WESTBOUND Taylor Street			
	LANES:	NL 0	NT 0	NR 1	SL 1.5	ST 0.5	SR 1	EL 2	ET 1.5	ER 0.5	WL 1	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	0	0	4	4	0	29	31	31	4	1	186	46	336
	7:15 AM	0	1	0	17	0	31	51	22	2	2	192	88	406
	7:30 AM	0	0	4	33	1	62	80	25	2	3	168	113	491
	7:45 AM	0	0	6	32	0	57	68	31	0	0	250	127	571
	8:00 AM	0	0	5	11	0	62	76	25	1	0	251	123	554
	8:15 AM	0	0	0	12	0	40	61	31	0	0	165	99	408
	8:30 AM	1	0	0	5	1	60	75	37	2	0	202	67	450
	8:45 AM	0	0	6	11	1	63	70	37	0	2	241	70	501
	VOLUMES	1	1	25	125	3	404	512	239	11	8	1,655	733	3,717
	APPROACH %	4%	4%	93%	23%	1%	76%	67%	31%	1%	0%	69%	31%	
	APP/DEPART	27	/	1,246	532	/	22	762	/	389	2,396	/	2,060	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	0	0	15	88	1	221	285	112	3	3	834	462	2,024
	APPROACH %	0%	0%	100%	28%	0%	71%	71%	28%	1%	0%	64%	36%	
	PEAK HR FACTOR		0.625			0.807			0.935			0.861		0.886
	APP/DEPART	15	/	747	310	/	7	400	/	215	1,299	/	1,055	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	0	0	6	52	0	49	106	182	3	0	69	37	504
	4:15 PM	0	1	6	58	1	52	145	174	5	1	63	26	532
	4:30 PM	0	2	9	51	2	78	121	194	3	1	72	35	568
	4:45 PM	1	1	3	26	1	60	146	159	5	2	103	31	538
	5:00 PM	0	2	1	46	4	85	133	118	5	3	76	22	495
	5:15 PM	0	1	6	52	5	96	155	175	3	1	85	33	612
	5:30 PM	2	4	6	49	3	95	111	170	12	0	89	30	571
	5:45 PM	0	0	6	52	1	79	103	140	5	3	120	38	547
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	3	11	43	386	17	594	1,020	1,312	41	11	677	252	4,367
	APPROACH %	5%	19%	75%	39%	2%	60%	43%	55%	2%	1%	72%	27%	
	APP/DEPART	57	/	1,283	997	/	69	2,373	/	1,741	940	/	1,274	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	2	7	19	199	13	355	502	603	25	7	370	123	2,225
	APPROACH %	7%	25%	68%	35%	2%	63%	44%	53%	2%	1%	74%	25%	
	PEAK HR FACTOR		0.583			0.926			0.848			0.776		0.909
	APP/DEPART	28	/	632	567	/	45	1,130	/	821	500	/	727	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
			1	1
				0
				0
				0
				0
				0
			2	2
0	0	0	3	3
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
	2			2
	1			1
	2		1	3
			1	1
	1			1
	1			1
	2			2
	1			1
	2			2
	1			1
	2			2
	1			1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	10	0	2	12

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
1	0	7	0	8
1	0	3	0	4
0	1	7	0	8
0	1	5	1	7
1	0	3	0	4
2	1	4	0	7
2	0	4	0	6
0	0	2	0	2
				0
	pm			0
1	2	2	0	5
0	1	5	0	6
0	0	2	0	2
2	0	7	0	9
0	1	3	0	4
1	4	2	0	7
0	0	2	0	2
1	0	1	1	3
				0
				0
				0
				0
				0
				0
12	11	59	2	84

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
					3	1					4	4
	1					2		1			1	2
											2	2
					1	1						0
			2			1					2	2
					1							0
						1					1	1
				1	1							0
												0
	pm											0
			1			1						0
											1	1
			2					2			1	3
			2		1						1	1
			2		1							0
			1		2						1	1
		1	1		2	1					1	1
												0
												0
												0
												0
												0
												0
												10
1	0	1	11	1	12	10	0	3	0	0	15	28

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-8 Ramps
EAST & WEST: Taylor Street

PROJECT #: PDT15-0911-01
LOCATION #: 54
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-8 Ramps			SOUTHBOUND I-8 Ramps			EASTBOUND Taylor Street			WESTBOUND Taylor Street			
	LANES:	NL X	NT X	NR X	SL 2	ST X	SR 1	EL 1	ET 1	ER X	WL X	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM				25		19	42	14			207	9	316
	7:15 AM				25		34	31	13			234	7	344
	7:30 AM				40		29	45	22			244	7	387
	7:45 AM				40		28	53	23			352	12	508
	8:00 AM				48		30	51	14			346	42	531
	8:15 AM				57		28	35	31			354	4	509
	8:30 AM				51		28	44	38			289	16	466
	8:45 AM				59		29	44	32			199	4	367
	VOLUMES	0	0	0	345	0	225	345	187	0	0	2,225	101	3,428
	APPROACH %	0%	0%	0%	61%	0%	39%	65%	35%	0%	0%	96%	4%	
	APP/DEPART	0	/	446	570	/	0	532	/	532	2,326	/	2,450	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	0	0	196	0	114	183	106	0	0	1,341	74	2,014
	APPROACH %	0%	0%	0%	63%	0%	37%	63%	37%	0%	0%	95%	5%	
	PEAK HR FACTOR		0.000			0.912			0.881			0.912		0.948
	APP/DEPART	0	/	257	310	/	0	289	/	302	1,415	/	1,455	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				75		12	162	73			78	34	434
	4:15 PM				77		13	150	108			66	39	453
	4:30 PM				84		15	160	52			89	42	442
	4:45 PM				79		13	141	67			105	30	435
	5:00 PM				69		16	151	47			87	57	427
	5:15 PM				72		15	152	89			105	40	473
	5:30 PM				72		17	153	108			97	29	476
	5:45 PM				98		33	138	98			105	30	502
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	626	0	134	1,207	642	0	0	732	301	3,642
	APPROACH %	0%	0%	0%	82%	0%	18%	65%	35%	0%	0%	71%	29%	
	APP/DEPART	0	/	1,508	760	/	0	1,849	/	1,268	1,033	/	866	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	0	0	0	311	0	81	594	342	0	0	394	156	1,878
	APPROACH %	0%	0%	0%	79%	0%	21%	63%	37%	0%	0%	72%	28%	
	PEAK HR FACTOR		0.000			0.748			0.897			0.948		0.935
	APP/DEPART	0	/	750	392	/	0	936	/	653	550	/	475	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
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				0
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				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

CHEN RYAN

Turn Count Summary

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

AVC

Location: Hotel Circle S @ Hotel Circle N

Date of Count: *Thursday, November 19, 2015*

Analysts: *LV/CD*

Weather: *Sunny*

AVC Proj No: *15-0452*



CHEN RYAN

Vehicular Count

Accurate Video Counts Inc
info@accuratevideocounts.com
(619) 987-5136

AVC

Location: Hotel Circle S @ Hotel Circle N

AM Period (7:00 AM - 9:00 AM)							
	Southbound		Westbound			Eastbound	
	Right	Left	Right	Thru		Thru	Left	TOTAL
7:00 AM	164	19	14	24		17	22	260
7:15 AM	142	20	26	23		22	20	253
7:30 AM	168	22	24	21		29	35	299
7:45 AM	122	25	26	19		31	41	264
8:00 AM	169	31	24	19		20	41	304
8:15 AM	145	26	28	20		23	29	271
8:30 AM	136	45	25	20		37	35	298
8:45 AM	154	38	22	29		40	41	324
Total	1,200	226	189	175		219	264	2,273

AM Intersection Peak Hour : **8:00 AM - 9:00 AM** Intersection PHF : **0.92**

	Southbound		Westbound			Eastbound		TOTAL
	Right	Left	Right	Thru		Thru	Left	
Volume	604	140	99	88		120	146	1,197
PHF	0.89	0.78	0.88	0.76		0.75	0.89	0.92
Movement PHF	0.93			0.92		0.82		0.92

PM Period (4:00 PM - 6:00 PM)							
	Southbound		Westbound			Eastbound	
	Right	Left	Right	Thru		Thru	Left	TOTAL
4:00 PM	98	30	33	11		89	41	302
4:15 PM	93	36	24	15		97	63	328
4:30 PM	116	36	21	22		111	55	361
4:45 PM	117	38	17	16		99	66	353
5:00 PM	117	43	23	12		124	69	388
5:15 PM	129	39	14	17		93	70	362
5:30 PM	113	25	20	14		136	71	379
5:45 PM	127	45	23	20		119	52	386
Total	910	292	175	127		868	487	2,859

PM Intersection Peak Hour : **5:00 PM - 6:00 PM** Intersection PHF : **0.98**

	Southbound		Westbound			Eastbound		TOTAL
	Right	Left	Right	Thru		Thru	Left	
Volume	486	152	80	63		472	262	1515
PHF	0.94	0.844	0.87	0.788		0.868	0.923	0.98
Movement PHF	0.93			0.83		0.89		0.98

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-8 EB Ramps
EAST & WEST: Hotel Circle South

PROJECT #: PDT15-0911-01
LOCATION #: 56
CONTROL: STOP

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND I-8 EB Ramps			SOUTHBOUND I-8 EB Ramps			EASTBOUND Hotel Circle South			WESTBOUND Hotel Circle South			
	LANES:	NL X	NT X	NR X	SL 1	ST X	SR 1	EL 1	ET 1	ER X	WL X	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM				34		5	34	13			35	79	200
	7:15 AM				35		2	45	22			51	86	241
	7:30 AM				54		6	41	14			46	124	285
	7:45 AM				89		6	34	19			59	114	321
	8:00 AM				61		6	37	24			79	78	285
	8:15 AM				53		6	40	23			97	88	307
	8:30 AM				44		5	51	21			121	88	330
	8:45 AM				73		8	39	30			71	66	287
	VOLUMES	0	0	0	443	0	44	321	166	0	0	559	723	2,256
	APPROACH %	0%	0%	0%	91%	0%	9%	66%	34%	0%	0%	44%	56%	
	APP/DEPART	0	/	1,044	487	/	0	487	/	609	1,282	/	603	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	0	0	247	0	23	162	87	0	0	356	368	1,243
	APPROACH %	0%	0%	0%	91%	0%	9%	65%	35%	0%	0%	49%	51%	
	PEAK HR FACTOR		0.000			0.711			0.865			0.866		0.942
	APP/DEPART	0	/	530	270	/	0	249	/	334	724	/	379	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				22		1	82	67			44	151	367
	4:15 PM				24		8	89	58			44	173	396
	4:30 PM				32		1	103	40			41	161	378
	4:45 PM				21		6	89	63			54	165	398
	5:00 PM				45		10	191	134			34	163	577
	5:15 PM				35		4	107	58			34	156	394
	5:30 PM				26		7	80	65			43	177	398
	5:45 PM				33		6	73	82			48	154	396
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	238	0	43	814	567	0	0	342	1,300	3,304
	APPROACH %	0%	0%	0%	85%	0%	15%	59%	41%	0%	0%	21%	79%	
	APP/DEPART	0	/	2,114	281	/	0	1,381	/	805	1,642	/	385	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	0	0	127	0	27	467	320	0	0	165	661	1,767
	APPROACH %	0%	0%	0%	82%	0%	18%	59%	41%	0%	0%	20%	80%	
	PEAK HR FACTOR		0.000			0.700			0.605			0.939		0.766
	APP/DEPART	0	/	1,128	154	/	0	787	/	447	826	/	192	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
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0	0	0	0	0
				0
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				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-10-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Bachman Place
EAST & WEST: Hotel Circle South

PROJECT #: PDT15-0911-01
LOCATION #: 57
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N / ◄ W / E ► / S ▼

		NORTHBOUND Bachman Place			SOUTHBOUND Bachman Place			EASTBOUND Hotel Circle South			WESTBOUND Hotel Circle South			
	LANES:	NL 1	NT X	NR 1	SL X	ST X	SR X	EL X	ET 1	ER 0	WL 1	WT 1	WR X	TOTAL
WEEKDAY AM	7:00 AM	30		18					24	35	61	68		236
	7:15 AM	50		18					26	31	75	76		276
	7:30 AM	100		37					36	42	72	77		364
	7:45 AM	50		23					51	66	99	99		388
	8:00 AM	40		23					40	45	66	108		322
	8:15 AM	88		50					61	34	68	139		440
	8:30 AM	50		23					38	32	87	154		384
	8:45 AM	35		26					59	53	68	100		341
	VOLUMES	443	0	218	0	0	0	0	335	338	596	821	0	2,751
	APPROACH %	67%	0%	33%	0%	0%	0%	0%	50%	50%	42%	58%	0%	
	APP/DEPART	661	/	0	0	/	934	673	/	553	1,417	/	1,264	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	228	0	119	0	0	0	0	190	177	320	500	0	1,534
	APPROACH %	66%	0%	34%	0%	0%	0%	0%	52%	48%	39%	61%	0%	
	PEAK HR FACTOR		0.629			0.000			0.784			0.851		0.872
	APP/DEPART	347	/	0	0	/	497	367	/	309	820	/	728	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	100		53					67	19	31	135		405
	4:15 PM	100		46					54	26	49	123		398
	4:30 PM	110		61					54	18	41	180		464
	4:45 PM	93		66					75	19	61	138		452
	5:00 PM	96		53					67	29	45	110		400
	5:15 PM	94		65					69	23	56	125		432
	5:30 PM	72		67					71	24	51	136		421
	5:45 PM	66		51					84	29	60	143		433
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	731	0	462	0	0	0	0	541	187	394	1,090	0	3,405
	APPROACH %	61%	0%	39%	0%	0%	0%	0%	74%	26%	27%	73%	0%	
	APP/DEPART	1,193	/	0	0	/	581	728	/	1,003	1,484	/	1,821	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	393	0	245	0	0	0	0	265	89	203	553	0	1,748
	APPROACH %	62%	0%	38%	0%	0%	0%	0%	75%	25%	27%	73%	0%	
	PEAK HR FACTOR		0.933			0.000			0.783			0.855		0.942
	APP/DEPART	638	/	0	0	/	292	354	/	510	756	/	946	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
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0	0	0	0	0
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0	0	0	0	0
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				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/9/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: I-8 EB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 58
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND I-8 EB Ramps			WESTBOUND I-8 EB Ramps			
	LANES:	NL X	NT 2	NR 1	SL 2	ST 2	SR X	EL 2	ET X	ER 1	WL X	WT X	WR X	TOTAL
WEEKDAY AM	7:00 AM		40	18	56	41		38		68				261
	7:15 AM		63	28	52	68		55		78				344
	7:30 AM		82	37	50	50		65		93				377
	7:45 AM		71	24	38	75		112		103				423
	8:00 AM		57	28	59	69		86		101				400
	8:15 AM		82	26	50	73		83		100				414
	8:30 AM		94	30	75	62		79		97				437
	8:45 AM		80	26	66	72		88		83				415
	VOLUMES	0	569	217	446	510	0	606	0	723	0	0	0	3,071
	APPROACH %	0%	72%	28%	47%	53%	0%	46%	0%	54%	0%	0%	0%	
	APP/DEPART	786	/	1,175	956	/	1,233	1,329	/	663	0	/	0	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	0	304	108	222	279	0	360	0	401	0	0	0	1,674
	APPROACH %	0%	74%	26%	44%	56%	0%	47%	0%	53%	0%	0%	0%	
	PEAK HR FACTOR		0.831			0.914			0.885			0.000		0.958
	APP/DEPART	412	/	664	501	/	680	761	/	330	0	/	0	0
WEEKDAY AM	11:00 AM		101	30	113	84		188		66				582
	11:15 AM		107	53	107	88		186		67				608
	11:30 AM		99	42	162	91		172		79				645
	11:45 AM		110	35	127	98		171		63				604
	12:00 PM		118	39	173	99		192		51				672
	12:15 PM		107	48	157	67		163		47				589
	12:30 PM		112	29	110	84		131		60				526
	12:45 PM		114	36	160	93		160		70				633
	VOLUMES	0	868	312	1,109	704	0	1,363	0	503	0	0	0	4,859
	APPROACH %	0%	74%	26%	61%	39%	0%	73%	0%	27%	0%	0%	0%	
	APP/DEPART	1,180	/	2,231	1,813	/	1,207	1,866	/	1,421	0	/	0	0
	BEGIN PEAK HR		11:15 AM											
	VOLUMES	0	434	169	569	376	0	721	0	260	0	0	0	2,529
	APPROACH %	0%	72%	28%	60%	40%	0%	73%	0%	27%	0%	0%	0%	
	PEAK HR FACTOR		0.942			0.869			0.969			0.000		0.941
	APP/DEPART	603	/	1,155	945	/	636	981	/	738	0	/	0	0
WEEKDAY PM	4:00 PM		106	82	181	98		136		52				655
	4:15 PM		105	63	193	81		163		77				682
	4:30 PM		115	70	207	96		148		88				724
	4:45 PM		90	70	194	97		159		89				699
	5:00 PM		134	92	196	103		152		82				759
	5:15 PM		118	70	192	90		141		68				679
	5:30 PM		131	83	203	98		120		101				736
	5:45 PM		120	58	136	94		165		94				667
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	919	588	1,502	757	0	1,184	0	651	0	0	0	5,601
	APPROACH %	0%	61%	39%	66%	34%	0%	65%	0%	35%	0%	0%	0%	
	APP/DEPART	1,507	/	2,103	2,259	/	1,408	1,835	/	2,090	0	/	0	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	473	315	785	388	0	572	0	340	0	0	0	2,873
	APPROACH %	0%	60%	40%	67%	33%	0%	63%	0%	37%	0%	0%	0%	
	PEAK HR FACTOR		0.872			0.974			0.880			0.000		0.946
	APP/DEPART	788	/	1,045	1,173	/	728	912	/	1,100	0	/	0	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
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0	0	0	0	0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/10/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission Center Road
EAST & WEST: Camino Del Rio South

PROJECT #: PDT15-0911-01
LOCATION #: 59
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Mission Center Road			SOUTHBOUND Mission Center Road			EASTBOUND Camino Del Rio South			WESTBOUND Camino Del Rio South			
	LANES:	NL 0	NT 1	NR 0	SL 1.5	ST 0.5	SR 1	EL 1.5	ET 1.5	ER 0	WL 0	WT 2	WR 0	TOTAL
WEEKDAY AM	7:00 AM	2	1	0	47	8	67	32	4	0	1	13	19	194
	7:15 AM	0	3	0	57	12	62	44	4	1	0	5	39	227
	7:30 AM	1	8	2	59	11	89	50	3	1	3	15	48	290
	7:45 AM	2	3	2	53	14	92	44	5	0	6	15	38	274
	8:00 AM	0	2	0	70	21	105	47	7	0	1	20	42	315
	8:15 AM	1	6	0	58	21	90	50	4	2	3	25	46	306
	8:30 AM	1	0	1	55	13	74	43	7	0	5	28	67	294
	8:45 AM	0	3	0	79	21	77	57	9	3	1	21	68	339
	VOLUMES	7	26	5	478	121	656	367	43	7	20	142	367	2,239
	APPROACH %	18%	68%	13%	38%	10%	52%	88%	10%	2%	4%	27%	69%	
	APP/DEPART	38	/	760	1,255	/	148	417	/	526	529	/	805	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	2	11	1	262	76	346	197	27	5	10	94	223	1,254
	APPROACH %	14%	79%	7%	38%	11%	51%	86%	12%	2%	3%	29%	68%	
	PEAK HR FACTOR		0.500			0.872			0.830			0.818		0.925
	APP/DEPART	14	/	431	684	/	91	229	/	290	327	/	442	0
WEEKDAY AM	11:00 AM	0	13	0	81	12	73	59	13	0	0	10	56	317
	11:15 AM	2	12	0	66	15	69	81	14	2	2	17	81	361
	11:30 AM	0	3	3	86	6	74	69	12	2	1	10	59	325
	11:45 AM	0	7	3	62	12	83	63	7	1	2	16	72	328
	12:00 PM	0	5	2	66	8	71	85	13	2	3	9	72	336
	12:15 PM	3	8	0	54	4	59	82	10	2	5	15	70	312
	12:30 PM	0	8	2	86	11	63	85	14	3	2	17	56	347
	12:45 PM	0	6	2	98	15	87	80	13	3	2	13	70	389
	VOLUMES	5	62	12	599	83	579	604	96	15	17	107	536	2,715
	APPROACH %	6%	78%	15%	48%	7%	46%	84%	13%	2%	3%	16%	81%	
	APP/DEPART	79	/	1,202	1,261	/	115	715	/	707	660	/	691	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	3	27	6	304	38	280	332	50	10	12	54	268	1,384
	APPROACH %	8%	75%	17%	49%	6%	45%	85%	13%	3%	4%	16%	80%	
	PEAK HR FACTOR		0.818			0.778			0.961			0.928		0.889
	APP/DEPART	36	/	627	622	/	60	392	/	360	334	/	337	0
WEEKDAY PM	4:00 PM	1	6	0	90	5	58	110	20	2	1	10	61	364
	4:15 PM	0	12	2	83	4	64	112	13	2	1	14	55	362
	4:30 PM	2	4	1	84	4	80	120	13	8	2	13	75	406
	4:45 PM	0	4	3	108	7	76	85	8	1	1	13	64	370
	5:00 PM	1	16	6	104	5	86	139	27	0	2	11	72	469
	5:15 PM	1	5	3	72	8	61	121	22	2	1	20	68	384
	5:30 PM	1	2	1	126	4	58	120	18	1	0	17	66	414
	5:45 PM	0	3	1	100	8	80	114	12	3	1	19	78	419
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	6	52	17	767	45	563	921	133	19	9	117	539	3,188
	APPROACH %	8%	69%	23%	56%	3%	41%	86%	12%	2%	1%	18%	81%	
	APP/DEPART	75	/	1,512	1,375	/	73	1,073	/	917	665	/	686	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	3	26	11	402	25	285	494	79	6	4	67	284	1,686
	APPROACH %	8%	65%	28%	56%	4%	40%	85%	14%	1%	1%	19%	80%	
	PEAK HR FACTOR		0.435			0.913			0.872			0.906		0.899
	APP/DEPART	40	/	804	712	/	35	579	/	492	355	/	355	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
	1			1
				0
			1	1
				0
	1			1
				0
				0
				0
0	2	0	1	3
				0
				0
	1			1
				0
				0
	2			2
				0
	1			1
0	4	0	0	4
				0
	1			1
				0
				0
				0

60

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/17/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Qualcomm Way
EAST & WEST: I-8 EB Ramps

PROJECT #: PDT15-0911-01
LOCATION #: 60
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Qualcomm Way			SOUTHBOUND Qualcomm Way			EASTBOUND I-8 EB Ramps			WESTBOUND I-8 EB Ramps			
	LANES:	NL X	NT 2	NR 1	SL X	ST 2	SR 1	EL X	ET X	ER 2	WL X	WT X	WR 1	TOTAL
WEEKDAY AM	7:00 AM		162	64		106	28			50			49	459
	7:15 AM		219	80		109	35			78			76	597
	7:30 AM		224	75		99	61			69			101	629
	7:45 AM		243	83		141	30			77			45	619
	8:00 AM		260	85		132	25			79			86	667
	8:15 AM		218	70		154	33			113			95	683
	8:30 AM		225	99		144	35			125			76	704
	8:45 AM		229	67		192	43			136			84	751
	VOLUMES	0	1,780	623	0	1,077	290	0	0	727	0	0	0	5,109
	APPROACH %	0%	74%	26%	0%	79%	21%	0%	0%	100%	0%	0%	0%	
	APP/DEPART	2,403	/	1,780	1,367	/	1,804	727	/	623	0	/	290	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	932	321	0	622	136	0	0	453	0	0	341	2,805
	APPROACH %	0%	74%	26%	0%	82%	18%	0%	0%	100%	0%	0%	100%	
	PEAK HR FACTOR		0.908			0.806			0.833			0.897		0.934
	APP/DEPART	1,253	/	1,273	758	/	1,075	453	/	321	341	/	136	0
WEEKDAY AM	11:00 AM		243	84		150	73			69			109	728
	11:15 AM		193	65		171	92			92			93	706
	11:30 AM		247	105		179	73			100			73	777
	11:45 AM		251	76		174	111			110			77	799
	12:00 PM		266	98		157	107			101			85	814
	12:15 PM		225	77		183	106			109			95	795
	12:30 PM		247	77		212	102			97			92	827
	12:45 PM		210	86		207	111			113			101	828
	VOLUMES	0	1,882	668	0	1,433	775	0	0	791	0	0	725	6,274
	APPROACH %	0%	74%	26%	0%	65%	35%	0%	0%	100%	0%	0%	100%	
	APP/DEPART	2,550	/	2,607	2,208	/	2,224	791	/	668	725	/	775	0
	BEGIN PEAK HR		12:00 PM											
	VOLUMES	0	948	338	0	759	426	0	0	420	0	0	373	3,264
	APPROACH %	0%	74%	26%	0%	64%	36%	0%	0%	100%	0%	0%	100%	
	PEAK HR FACTOR		0.883			0.932			0.929			0.923		0.986
	APP/DEPART	1,286	/	1,321	1,185	/	1,179	420	/	338	373	/	426	0
WEEKDAY PM	4:00 PM		258	114		256	133			85			46	892
	4:15 PM		237	127		270	105			122			64	925
	4:30 PM		252	91		256	98			92			38	827
	4:45 PM		223	78		343	124			102			50	920
	5:00 PM		227	109		324	118			88			47	913
	5:15 PM		261	97		359	140			73			48	978
	5:30 PM		232	90		343	89			112			52	918
	5:45 PM		235	87		311	87			114			65	899
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	1,925	793	0	2,462	894	0	0	788	0	0	410	7,272
	APPROACH %	0%	71%	29%	0%	73%	27%	0%	0%	100%	0%	0%	100%	
	APP/DEPART	2,718	/	2,335	3,356	/	3,250	788	/	793	410	/	894	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	0	943	374	0	1,369	471	0	0	375	0	0	197	3,729
	APPROACH %	0%	72%	28%	0%	74%	26%	0%	0%	100%	0%	0%	100%	
	PEAK HR FACTOR		0.920			0.922			0.822			0.758		0.953
	APP/DEPART	1,317	/	1,140	1,840	/	1,744	375	/	374	197	/	471	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7				2	2
				2	2
				1	1
				2	2
8				2	2
				3	3
				1	1
				3	3
11				3	3
				2	2
				1	1
				1	1
12				3	3
				1	1
					0
					0
4					0
				1	1
				1	1
				1	1
5			1		1
				3	3
				3	3
				3	3
	0	0	1	39	40

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
				2								0
												0
				1								0
												0
												0
												0
				1								0
				1								0
				2								0
				1								0
				1								0
				9								0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/16/15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Qualcomm Way/Texas Street
EAST & WEST: Camino Del Rio South

PROJECT #: PDT15-0911-01
LOCATION #: 61
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND Qualcomm Way/Texas Street			SOUTHBOUND Qualcomm Way/Texas Street			EASTBOUND Camino Del Rio South			WESTBOUND Camino Del Rio South			
	LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 1	EL 1	ET 0.5	ER 1.5	WL 1	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM	21	217	19	36	92	21	9	2	7	5	19	10	458
	7:15 AM	21	322	16	39	83	36	8	2	4	13	15	12	571
	7:30 AM	31	321	34	66	85	41	13	5	10	14	16	10	646
	7:45 AM	26	320	43	82	79	61	11	11	2	5	12	14	666
	8:00 AM	28	290	27	71	66	55	10	11	11	9	11	23	612
	8:15 AM	26	259	37	104	100	70	24	8	9	10	12	22	681
	8:30 AM	28	214	42	141	115	64	30	20	12	8	20	27	721
	8:45 AM	27	260	36	126	129	58	22	17	27	11	11	29	753
	VOLUMES	208	2,203	254	665	749	406	127	76	82	75	116	147	5,108
	APPROACH %	8%	83%	10%	37%	41%	22%	45%	27%	29%	22%	34%	43%	
	APP/DEPART	2,665	/	2,477	1,820	/	906	285	/	995	338	/	730	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	109	1,023	142	442	410	247	86	56	59	38	54	101	2,767
	APPROACH %	9%	80%	11%	40%	37%	22%	43%	28%	29%	20%	28%	52%	
	PEAK HR FACTOR		0.923			0.859			0.761			0.877		0.919
	APP/DEPART	1,274	/	1,210	1,099	/	507	201	/	640	193	/	410	0
WEEKDAY AM	11:00 AM	15	158	15	83	125	26	33	9	30	21	10	73	598
	11:15 AM	9	135	16	61	156	36	33	16	24	14	19	91	610
	11:30 AM	8	193	24	84	171	49	58	15	19	16	23	106	766
	11:45 AM	18	199	30	94	179	40	39	23	20	30	10	119	801
	12:00 PM	13	149	15	89	173	34	33	17	18	33	9	107	690
	12:15 PM	15	187	28	101	146	29	31	25	21	21	13	103	720
	12:30 PM	19	152	22	118	148	40	29	17	23	24	16	98	706
	12:45 PM	12	195	48	112	167	39	24	22	27	19	6	83	754
	VOLUMES	109	1,368	198	742	1,265	293	280	144	182	178	106	780	5,645
	APPROACH %	7%	82%	12%	32%	55%	13%	46%	24%	30%	17%	10%	73%	
	APP/DEPART	1,675	/	2,428	2,300	/	1,625	606	/	1,084	1,064	/	508	0
	BEGIN PEAK HR		11:30 AM											
	VOLUMES	54	728	97	368	669	152	161	80	78	100	55	435	2,977
	APPROACH %	6%	83%	11%	31%	56%	13%	50%	25%	24%	17%	9%	74%	
	PEAK HR FACTOR		0.890			0.950			0.867			0.928		0.929
	APP/DEPART	879	/	1,324	1,189	/	847	319	/	545	590	/	261	0
WEEKDAY PM	4:00 PM	8	137	23	76	239	27	50	79	74	46	11	130	900
	4:15 PM	18	159	23	79	255	30	50	66	62	50	13	103	908
	4:30 PM	17	206	45	66	265	35	55	68	63	49	10	129	1,008
	4:45 PM	16	162	31	58	272	45	57	45	66	44	14	134	944
	5:00 PM	15	200	18	54	280	33	53	30	60	48	12	145	948
	5:15 PM	24	160	36	41	349	34	39	25	58	48	17	120	951
	5:30 PM	22	224	20	57	336	33	47	26	57	32	12	104	970
	5:45 PM	17	173	28	52	394	43	47	33	65	30	9	83	974
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	137	1,421	224	483	2,390	280	398	372	505	347	98	948	7,603
	APPROACH %	8%	80%	13%	15%	76%	9%	31%	29%	40%	25%	7%	68%	
	APP/DEPART	1,782	/	2,767	3,153	/	3,242	1,275	/	1,079	1,393	/	515	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	72	728	130	219	1,166	147	204	168	247	189	53	528	3,851
	APPROACH %	8%	78%	14%	14%	76%	10%	33%	27%	40%	25%	7%	69%	
	PEAK HR FACTOR		0.868			0.783			0.832			0.939		0.955
	APP/DEPART	930	/	1,460	1,532	/	1,602	619	/	517	770	/	272	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
	1			1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	1	0	0	1

PEDESTRIAN CROSSINGS

	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7	2			2	4
				1	1
	1		1		2
	1			1	2
8	1				1
	1				1
				2	2
	2	3			5
11				1	1
		2		2	4
			1		1
		2	1	2	5
12	1			1	2
	2	3	3	1	9
					0
	1	1	1	11	14
4	4	1	2	2	9
				2	2
		2	1	2	5
	3			1	4
5	2	1	2	1	6
	3		2	3	8
		1		1	2
	2	0			2
	26	16	14	36	92

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
									1			1
												0
			2									0
												0
				1								0
							1				1	1
												0
												0
												0
				1								0
	1						1					0
											1	1
												0
												0
				1								0
												0
												0
												0
												0
												0
	2											2
0	4	0	2	3	0	0	2	0	1	0	2	5

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-17-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Mission City Parkway
EAST & WEST: Camino Del Rio South

PROJECT #: PDT15-0911-01
LOCATION #: 62
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Mission City Parkway			SOUTHBOUND Mission City Parkway			EASTBOUND Camino Del Rio South			WESTBOUND Camino Del Rio South			
	LANES:	NL X	NT X	NR X	SL 1	ST X	SR 1	EL 1	ET 1	ER X	WL X	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM				3		14	4	10			55	45	131
	7:15 AM				6		15	5	14			57	79	176
	7:30 AM				11		21	5	20			56	105	218
	7:45 AM				10		31	5	31			80	116	273
	8:00 AM				14		29	6	39			92	100	280
	8:15 AM				21		32	6	47			107	110	323
	8:30 AM				23		31	7	36			101	85	283
	8:45 AM				13		27	9	43			118	64	274
	VOLUMES	0	0	0	101	0	200	47	43	0	0	666	704	1,958
	APPROACH %	0%	0%	0%	34%	0%	66%	52%	48%	0%	0%	49%	51%	
	APP/DEPART	0	/	751	301	/	0	90	/	144	1,370	/	866	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	0	0	71	0	119	28	165	0	0	418	359	1,160
	APPROACH %	0%	0%	0%	37%	0%	63%	15%	85%	0%	0%	54%	46%	
	PEAK HR FACTOR		0.000			0.880			0.910			0.895		0.898
	APP/DEPART	0	/	387	190	/	0	193	/	236	777	/	537	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM				90		11	23	116			58	24	322
	4:15 PM				99		14	12	89			39	25	278
	4:30 PM				136		18	27	96			55	25	357
	4:45 PM				126		21	11	100			47	33	338
	5:00 PM				169		20	35	153			57	24	458
	5:15 PM				128		22	28	137			38	22	375
	5:30 PM				121		13	18	136			39	20	347
	5:45 PM				88		6	13	126			43	18	294
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	957	0	125	167	953	0	0	376	191	2,769
	APPROACH %	0%	0%	0%	88%	0%	12%	15%	85%	0%	0%	66%	34%	
	APP/DEPART	0	/	358	1,082	/	0	1,120	/	1,910	567	/	501	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	0	0	559	0	81	101	486	0	0	197	104	1,528
	APPROACH %	0%	0%	0%	87%	0%	13%	17%	83%	0%	0%	65%	35%	
	PEAK HR FACTOR		0.000			0.847			0.781			0.929		0.834
	APP/DEPART	0	/	205	640	/	0	587	/	1,045	301	/	278	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-16-15 WEDNESDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-15 SB Off Ramp - DWY
EAST & WEST: Camino Del Rio S.

PROJECT #: PDT15-0911-01
LOCATION #: 63
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

		NORTHBOUND I-15 SB Off Ramp - DWY			SOUTHBOUND I-15 SB Off Ramp - DWY			EASTBOUND Camino Del Rio S.			WESTBOUND Camino Del Rio S.			
	LANES:	NL 0.5	NT X	NR 0.5	SL 0.5	ST 0.5	SR 1	EL X	ET 1.5	ER 0.5	WL 1	WT 1.5	WR X	TOTAL
WEEKDAY AM	7:00 AM	0		0	3	0	51		20	1	1	81		157
	7:15 AM	0		1	4	1	68		21	1	3	118		217
	7:30 AM	0		1	5	1	77		20	1	1	148		254
	7:45 AM	1		2	12	2	84		26	3	4	161		295
	8:00 AM	2		1	18	1	91		22	2	5	184		326
	8:15 AM	0		0	11	2	95		31	5	5	194		343
	8:30 AM	0		1	15	3	111		34	5	6	199		374
	8:45 AM	2		0	9	4	121		31	4	5	151		327
	VOLUMES	5	0	6	77	14	698	0	205	22	30	1,236	0	2,293
	APPROACH %	45%	0%	55%	10%	2%	88%	0%	90%	10%	2%	98%	0%	
	APP/DEPART	11	/	0	789	/	66	227	/	288	1,266	/	1,939	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	4	0	2	53	10	418	0	118	16	21	728	0	1,370
	APPROACH %	67%	0%	33%	11%	2%	87%	0%	88%	12%	3%	97%	0%	
	PEAK HR FACTOR		0.500			0.897			0.859			0.913		0.916
	APP/DEPART	6	/	0	481	/	47	134	/	173	749	/	1,150	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	0		7	28	0	10		315	1	8	40		409
	4:15 PM	4		9	33	0	18		295	4	9	38		410
	4:30 PM	5		9	34	4	22		326	4	9	30		443
	4:45 PM	6		12	40	5	26		339	5	10	40		483
	5:00 PM	4		8	38	6	20		428	4	5	41		554
	5:15 PM	5		5	41	1	20		432	5	4	30		543
	5:30 PM	5		9	44	5	19		318	3	8	33		444
	5:45 PM	6		9	35	4	20		305	5	9	28		421
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	35	0	68	293	25	155	0	2,758	31	62	280	0	3,707
	APPROACH %	34%	0%	66%	62%	5%	33%	0%	99%	1%	18%	82%	0%	
	APP/DEPART	103	/	0	473	/	118	2,789	/	3,119	342	/	470	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	20	0	34	163	17	85	0	1,517	17	27	144	0	2,024
	APPROACH %	37%	0%	63%	62%	6%	32%	0%	99%	1%	16%	84%	0%	
	PEAK HR FACTOR		0.750			0.933			0.878			0.855		0.913
	APP/DEPART	54	/	0	265	/	61	1,534	/	1,714	171	/	249	0

U-TURNS

NB	SB	EB	WB	TTL
X	X	X	X	
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
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	1			1
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				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	1	0	0	1

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
2			2	4
			1	1
1		1		2
1			1	2
1				1
1				1
			2	2
2	3			5
			1	1
	2		2	4
		1		1
	2	1	2	5
1			1	2
2	3	3	1	9
				0
1	1	1	11	14
4	1	2	2	9
			2	2
	2	1	2	5
3			1	4
2	1	2	1	6
3		2	3	8
	1		1	2
2	0			2
26	16	14	36	92

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
									1			1
												0
							2					0
												0
							1					0
							1			1		1
												0
												0
												0
							1					0
							1			1		1
										1		1
												0
												0
												0
												0
												0
										2		2
							1			1		1
												6
0	0	0	0	0	0	0	7	0	1	6	0	13

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9-17-15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: SR-15 SB Onramp
EAST & WEST: Camino Del Rio South

PROJECT #: PDT15-0911-01
LOCATION #: 64
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND SR-15 SB Onramp			SOUTHBOUND SR-15 SB Onramp			EASTBOUND Camino Del Rio South			WESTBOUND Camino Del Rio South			
	LANES:	NL X	NT X	NR X	SL X	ST X	SR X	EL X	ET 2	ER 0	WL 1	WT 2	WR X	TOTAL
WEEKDAY AM	7:00 AM								14	1	2	86		103
	7:15 AM								22	4	3	122		151
	7:30 AM								17	3	1	142		163
	7:45 AM								35	5	2	173		215
	8:00 AM								31	7	9	191		238
	8:15 AM								32	14	3	197		246
	8:30 AM								35	12	7	178		232
	8:45 AM								34	14	5	184		237
	VOLUMES	0	0	0	0	0	0	0	220	60	32	1,273	0	1,585
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	79%	21%	2%	98%	0%	
	APP/DEPART	0	/	0	0	/	92	280	/	220	1,305	/	1,273	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	0	0	0	0	0	0	0	132	47	24	750	0	953
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	74%	26%	3%	97%	0%	
	PEAK HR FACTOR		0.000			0.000			0.932			0.968		0.968
	APP/DEPART	0	/	0	0	/	71	179	/	132	774	/	750	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM								256	92	9	56		413
	4:15 PM								247	84	4	33		368
	4:30 PM								261	124	6	41		432
	4:45 PM								277	120	3	46		446
	5:00 PM								338	134	11	42		525
	5:15 PM								346	148	10	33		537
	5:30 PM								259	106	10	42		417
	5:45 PM								244	89	4	38		375
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	2,228	897	57	331	0	3,513
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	71%	29%	15%	85%	0%	
	APP/DEPART	0	/	0	0	/	954	3,125	/	2,228	388	/	331	0
	BEGIN PEAK HR		4:30 PM											
	VOLUMES	0	0	0	0	0	0	0	1,222	526	30	162	0	1,940
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	70%	30%	16%	84%	0%	
	PEAK HR FACTOR		0.000			0.000			0.885			0.906		0.903
	APP/DEPART	0	/	0	0	/	556	1,748	/	1,222	192	/	162	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
			1	1
0	0	0	1	1
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
			1	1
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	1	1

PEDESTRIAN CROSSINGS

N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
				0
				0
				0
				0
				0
				0
				0
				0
pm				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0

BIKE MOVEMENTS

NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
												0
												0
							1					0
												0
												0
							2					0
												0
												0
pm												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
												0
							4					0
												0
												0
												0
												0
												0
												0
												0
0	0	0	0	0	0	0	7	0	0	0	0	0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/17/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-15 NB Onramp
EAST & WEST: Camino Del Rio South

PROJECT #: PDT15-0911-01
LOCATION #: 65
CONTROL: SIGNAL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N / ◄ W / E ► / S ▼

		NORTHBOUND I-15 NB Onramp			SOUTHBOUND I-15 NB Onramp			EASTBOUND Camino Del Rio South			WESTBOUND Camino Del Rio South			
	LANES:	NL 1	NT 0.5	NR 0.5	SL X	ST X	SR X	EL 1	ET 2	ER X	WL X	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM	64	2	7				4	11			24	4	116
	7:15 AM	101	1	12				3	18			33	8	176
	7:30 AM	85	2	15				3	14			52	16	187
	7:45 AM	127	4	16				9	28			51	15	250
	8:00 AM	132	2	25				6	27			69	9	270
	8:15 AM	131	0	39				1	31			66	12	280
	8:30 AM	118	0	18				11	24			72	13	256
	8:45 AM	120	1	14				5	30			65	9	244
	VOLUMES	878	12	146	0	0	0	42	183	0	0	432	86	1,779
	APPROACH %	85%	1%	14%	0%	0%	0%	19%	81%	0%	0%	83%	17%	
	APP/DEPART	1,036	/	140	0	/	0	225	/	329	518	/	1,310	0
	BEGIN PEAK HR		7:45 AM											
	VOLUMES	508	6	98	0	0	0	27	110	0	0	258	49	1,056
	APPROACH %	83%	1%	16%	0%	0%	0%	20%	80%	0%	0%	84%	16%	
	PEAK HR FACTOR		0.900			0.000			0.926			0.903		0.943
	APP/DEPART	612	/	82	0	/	0	137	/	208	307	/	766	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	33	1	26				66	187			30	16	359
	4:15 PM	13	0	34				83	181			19	3	333
	4:30 PM	30	0	25				82	172			20	9	338
	4:45 PM	40	1	25				72	201			15	6	360
	5:00 PM	21	0	31				115	226			28	12	433
	5:15 PM	21	0	30				100	241			24	14	430
	5:30 PM	28	1	24				72	200			23	5	353
	5:45 PM	35	0	17				45	186			12	6	301
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	221	3	212	0	0	0	635	1,594	0	0	171	71	2,907
	APPROACH %	51%	1%	49%	0%	0%	0%	28%	72%	0%	0%	71%	29%	
	APP/DEPART	436	/	709	0	/	0	2,229	/	1,806	242	/	392	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	110	2	110	0	0	0	359	868	0	0	90	37	1,576
	APPROACH %	50%	1%	50%	0%	0%	0%	29%	71%	0%	0%	71%	29%	
	PEAK HR FACTOR		0.841			0.000			0.900			0.794		0.910
	APP/DEPART	222	/	398	0	/	0	1,227	/	978	127	/	200	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
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				0
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				0
0	0	0	0	0
				0
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				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/17/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: I-8 EB/I-15 SB Offramps
EAST & WEST: Fairmount Avenue

PROJECT #: PDT15-0911-01
LOCATION #: 66
CONTROL: SIGNAL

NOTES:

NL = UTURN

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND I-8 EB/I-15 SB Offramps			SOUTHBOUND I-8 EB/I-15 SB Offramps			EASTBOUND Fairmount Avenue			WESTBOUND Fairmount Avenue			
	LANES:	NL 1	NT 2	NR X	SL X	ST 3	SR 1	EL 2	ET X	ER 3	WL X	WT X	WR X	TOTAL
WEEKDAY AM	7:00 AM	25	148			101	38	135		199				646
	7:15 AM	38	198			157	52	195		223				863
	7:30 AM	40	226			162	44	229		245				946
	7:45 AM	39	236			150	69	240		268				1,002
	8:00 AM	44	244			156	58	251		270				1,023
	8:15 AM	51	265			149	56	226		295				1,042
	8:30 AM	40	251			159	51	235		315				1,051
	8:45 AM	33	240			149	66	245		303				1,036
	VOLUMES	310	1,808	0	0	1,183	434	1,756	0	2,118	0	0	0	7,609
	APPROACH %	15%	85%	0%	0%	73%	27%	45%	0%	55%	0%	0%	0%	
	APP/DEPART	2,118	/	3,564	1,617	/	3,301	3,874	/	0	0	/	744	0
	BEGIN PEAK HR		8:00 AM											
	VOLUMES	168	1,000	0	0	613	231	957	0	1,183	0	0	0	4,152
	APPROACH %	14%	86%	0%	0%	73%	27%	45%	0%	55%	0%	0%	0%	
	PEAK HR FACTOR		0.924			0.981			0.973			0.000		0.988
	APP/DEPART	1,168	/	1,957	844	/	1,796	2,140	/	0	0	/	399	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	1	126			318	127	175		428				1,175
	4:15 PM	1	121			286	147	180		445				1,180
	4:30 PM	4	131			319	137	199		468				1,258
	4:45 PM	6	144			316	155	216		484				1,321
	5:00 PM	2	151			299	165	205		495				1,317
	5:15 PM	2	128			329	141	216		505				1,321
	5:30 PM	4	135			310	132	203		533				1,317
	5:45 PM	2	144			301	121	184		484				1,236
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	22	1,080	0	0	2,478	1,125	1,578	0	3,842	0	0	0	10,125
	APPROACH %	2%	98%	0%	0%	69%	31%	29%	0%	71%	0%	0%	0%	
	APP/DEPART	1,102	/	2,658	3,603	/	6,320	5,420	/	0	0	/	1,147	0
	BEGIN PEAK HR		4:45 PM											
	VOLUMES	14	558	0	0	1,254	593	840	0	2,017	0	0	0	5,276
	APPROACH %	2%	98%	0%	0%	68%	32%	29%	0%	71%	0%	0%	0%	
	PEAK HR FACTOR		0.935			0.980			0.970			0.000		0.998
	APP/DEPART	572	/	1,398	1,847	/	3,271	2,857	/	0	0	/	607	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
				0
				0
				0
				0
				0
0	0	0	0	0
				0
				0
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				0
0	0	0	0	0
				0
				0
				0
				0
				0
				0
				0
				0

INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: PACIFIC TECHNICAL DATA

DATE: 9/17/15 THURSDAY

LOCATION: MISSION VALLEY
NORTH & SOUTH: Texas Street
EAST & WEST: Madison Avenue

PROJECT #: PDT15-0911-01
LOCATION #: 67
CONTROL: SIGNAL

NOTES:

AM PM MD OTHER OTHER — ▲ N ◄ W E ► S ▼

		NORTHBOUND Texas Street			SOUTHBOUND Texas Street			EASTBOUND Madison Avenue			WESTBOUND Madison Avenue			
	LANES:	NL 1	NT 1	NR 0	SL 1	ST 2	SR 0	EL 1	ET 1	ER 0	WL 1	WT 1	WR 1	TOTAL
WEEKDAY AM	7:00 AM	3	160	1	12	70	17	52	3	5	8	14	41	386
	7:15 AM	5	167	2	24	66	11	70	10	12	1	3	68	439
	7:30 AM	2	186	2	18	70	12	87	10	3	2	5	113	510
	7:45 AM	2	195	0	9	66	11	60	9	5	2	14	107	480
	8:00 AM	5	191	2	14	66	11	80	11	11	5	12	79	487
	8:15 AM	4	156	6	11	84	16	51	7	7	2	14	101	459
	8:30 AM	3	123	0	22	96	15	70	15	5	3	12	71	435
	8:45 AM	1	149	3	28	103	19	57	10	6	2	15	97	490
	VOLUMES	25	1,327	16	138	621	112	527	75	54	25	89	677	3,686
	APPROACH %	2%	97%	1%	16%	71%	13%	80%	11%	8%	3%	11%	86%	
	APP/DEPART	1,368	/	2,531	871	/	700	656	/	229	791	/	226	0
	BEGIN PEAK HR		7:30 AM											
	VOLUMES	13	728	10	52	286	50	278	37	26	11	45	400	1,936
	APPROACH %	2%	97%	1%	13%	74%	13%	82%	11%	8%	2%	10%	88%	
	PEAK HR FACTOR		0.948			0.874			0.836			0.927		0.949
	APP/DEPART	751	/	1,406	388	/	323	341	/	99	456	/	108	0
WEEKDAY AM	11:00 AM													0
	11:15 AM													0
	11:30 AM													0
	11:45 AM													0
	12:00 PM													0
	12:15 PM													0
	12:30 PM													0
	12:45 PM													0
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
	BEGIN PEAK HR		12:45 PM											
	VOLUMES	0	0	0	0	0	0	0	0	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	PEAK HR FACTOR		0.000			0.000			0.000			0.000		0.000
	APP/DEPART	0	/	0	0	/	0	0	/	0	0	/	0	0
WEEKDAY PM	4:00 PM	15	105	7	33	288	26	33	12	12	10	8	30	579
	4:15 PM	11	121	9	28	312	18	34	15	11	8	9	44	620
	4:30 PM	16	161	12	33	336	20	41	22	15	9	11	51	727
	4:45 PM	19	131	5	35	319	24	28	26	19	12	15	55	688
	5:00 PM	20	142	9	40	300	33	44	20	10	5	18	66	707
	5:15 PM	11	122	12	41	384	31	41	19	8	4	10	51	734
	5:30 PM	15	142	12	44	352	28	48	20	9	9	16	68	763
	5:45 PM	19	108	11	37	405	33	38	11	12	10	11	44	739
	6:00 PM													0
	6:15 PM													0
	6:30 PM													0
	6:45 PM													0
	7:00 PM													0
	7:15 PM													0
	7:30 PM													0
	7:45 PM													0
	8:00 PM													0
	8:15 PM													0
	8:30 PM													0
	8:45 PM													0
	VOLUMES	126	1,032	77	291	2,696	213	307	145	96	67	98	409	5,557
	APPROACH %	10%	84%	6%	9%	84%	7%	56%	26%	18%	12%	17%	71%	
	APP/DEPART	1,235	/	1,748	3,200	/	2,859	548	/	513	574	/	437	0
	BEGIN PEAK HR		5:00 PM											
	VOLUMES	65	514	44	162	1,441	125	171	70	39	28	55	229	2,943
	APPROACH %	10%	83%	7%	9%	83%	7%	61%	25%	14%	9%	18%	73%	
	PEAK HR FACTOR		0.911			0.909			0.909			0.839		0.964
	APP/DEPART	623	/	914	1,728	/	1,508	280	/	276	312	/	245	0

U-TURNS

NB X	SB X	EB X	WB X	TTL
				0
				0
				0
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				0
				0

Freeway Traffic Counts

Dist	Route	County		Postmile		Description	Back Peak Hour	Back Peak Month	Back AADT	Ahead Peak Hour	Ahead Peak Month	Ahead AADT
11	5	SD	R	15.405		SAN DIEGO, PERSHING DRIVE	16600	230000	215000	16600	230000	215000
11	5	SD	R	16.069		SAN DIEGO, JCT. RTE. 163	16600	230000	215000	16000	222000	206000
11	5	SD	R	16.311		SAN DIEGO, SIXTH AVENUE	16000	222000	206000	16000	222000	206000
11	5	SD	R	16.589		SAN DIEGO, FIRST AVENUE	16000	222000	206000	12400	175000	163000
11	5	SD	R	16.912		SAN DIEGO, HAWTHORN STREET	12400	175000	163000	15300	212000	194000
11	5	SD	R	17.25		SAN DIEGO, INDIA/SASSAFRAS STREETS	15300	212000	194000	14900	205000	188000
11	5	SD	R	17.53		PACIFIC HIGHWAY VIADUCT	14900	205000	188000	12000	161000	149000
11	5	SD	R	17.77		SAN DIEGO, SASSAFRAS STREET	12000	161000	149000	11700	155000	145000
11	5	SD	R	18.283		SAN DIEGO, WASHINGTON STREET	11700	155000	145000	15400	206000	192000
11	5	SD	R	19.033		SAN DIEGO, OLD TOWN AVENUE	15400	206000	192000	15400	207000	199000
11	5	SD	R	20.056		JCT. RTE. 8/CAMINO DEL RIO	15400	207000	199000	16300	215000	201000
11	5	SD	R	20.818		SAN DIEGO, MISSION BAY DR/SEA WORLD DR	16300	215000	201000	17600	233000	218000
11	5	SD	R	22.262		CLAIREMONT DRIVE	17600	233000	218000	16700	206000	201000
11	5	SD	R	22.872		SAN DIEGO, DE ANZA ROAD	16700	206000	201000	13400	165000	160000
11	5	SD	R	23.476		SAN DIEGO, BALBOA AVENUE	13400	165000	160000	12300	150000	144000
11	5	SD	R	23.93		SAN DIEGO, MISSION BAY DRIVE	12300	150000	144000	16600	213000	202000
11	5	SD	R	25.947		JCT. RTE. 52 EAST	16600	213000	202000	13900	193000	188000
11	5	SD	R	26.79		SAN DIEGO, GILMAN DRIVE	13900	193000	188000	12700	177000	169000
11	5	SD	R	28.159		SAN DIEGO, NOBEL DRIVE	12700	177000	169000	11100	157000	149000
11	5	SD	R	28.428		SAN DIEGO, LA JOLLA DRIVE	11100	157000	149000	11700	164000	163000
11	5	SD	R	29.463		SAN DIEGO, GENESEE AVENUE	11700	164000	163000	12200	170000	169000
11	5	SD	R	30.426	R	SAN DIEGO, SORRENTO VALLEY RD, BEG RT ALIGN				6700	81000	75000
11	5	SD	R	30.682	R	SAN DIEGO, NORTH JCT. RTE. 805	6700	81000	75000	6600	82000	75000
11	5	SD	R	31.188	R	END RIGHT ALIGN	8100	109000	108000			
11	5	SD	R	30.345	L	BEGIN LEFT ALIGN				6300	76000	71000
11	5	SD	R	30.682	L	SAN DIEGO, NORTH JCT. RTE. 805	6300	76000	71000	8200	103000	99000
11	5	SD	R	31.155	L	END LEFT ALIGN	8200	103000	99000			
11	5	SD	R	31.805		SAN DIEGO, CARMEL MOUNTAIN ROAD	15700	220000	207000	15700	220000	207000
11	5	SD	R	32.841		JCT. RTE. 56	15700	220000	207000	15700	220000	207000
11	5	SD	R	32.901		SAN DIEGO, CARMEL VALLEY ROAD	15700	220000	207000	16500	253000	250000
11	5	SD	R	34.134		SAN DIEGO, DEL MAR HEIGHTS ROAD	16500	253000	250000	16200	249000	248000

2. I-5: I-8 Interchange and Old Town Avenue - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	96639	1152	100
9/2/2015	99447	1152	100
9/3/2015	102529	1152	100
9/8/2015	98255	1152	100
9/9/2015	99486	1152	100
9/10/2015	100812	1152	100
9/15/2015	91158	1152	100
9/16/2015	99851	1152	100
9/17/2015	102384	1152	97
9/22/2015	96853	1152	100
9/23/2015	100196	1152	100
9/24/2015	104559	1152	100
9/29/2015	96507	1152	100
9/30/2015	98309	1152	100
TOTAL AVERAGE	**99070**		

2. I-5: I-8 Interchange and Old Town Avenue - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	92824	1440	60
9/2/2015	92731	1440	60
9/3/2015	94467	1440	60
9/8/2015	92685	1440	60
9/9/2015	95095	1440	60
9/10/2015	94644	1440	60
9/15/2015	86376	1440	60
9/16/2015	92156	1440	60
9/17/2015	94037	1440	58
9/22/2015	91059	1440	60
9/23/2015	93249	1440	60
9/24/2015	94954	1440	60
9/29/2015	88665	1440	60
9/30/2015	91995	1440	60
TOTAL AVERAGE	**92496**		

3. I-5: Genesee to Friars Road - NB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	92685	1440	100
9/2/2015	82624	1440	100
9/3/2015	100577	1440	99
9/8/2015	101655	1440	100
9/9/2015	103533	1440	100
9/10/2015	104643	1440	100
9/15/2015	94006	1440	100
9/16/2015	98546	1440	100
9/17/2015	88745	1440	97
9/22/2015	101946	1440	100
9/23/2015	103943	1440	100
9/24/2015	105376	1440	100
9/29/2015	102414	1440	100
9/30/2015	102549	1440	100

TOTAL AVERAGE **98803**

3. I-5: Genesee to Friars Road - SB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	91032	1152	100
9/2/2015	91389	1152	100
9/3/2015	93356	1152	100
9/8/2015	84223	1152	93
9/9/2015	84447	1152	100
9/10/2015	88427	1152	100
9/15/2015	86088	1152	100
9/16/2015	91084	1152	100
9/17/2015	93194	1152	97
9/22/2015	90287	1152	100
9/23/2015	90318	1152	100
9/24/2015	90464	1152	100
9/29/2015	87796	1152	100
9/30/2015	89657	1152	100
TOTAL AVERAGE	**89412**		

4. I-5: Friars to I-8 Interchange - NB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	89679	1728	100
9/2/2015	91956	1728	100
9/3/2015	92463	1728	100
9/8/2015	90260	1728	93
9/9/2015	91060	1728	100
9/10/2015	91250	1728	100
9/15/2015	87161	1728	100
9/16/2015	91239	1728	100
9/17/2015	92031	1728	97
9/22/2015	91274	1728	95
9/23/2015	91426	1728	100
9/24/2015	92120	1728	100
9/29/2015	90322	1728	100
9/30/2015	91959	1728	100
TOTAL AVERAGE	**91014**		

4. I-5: Friars to I-8 Interchage - SB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	90364	1152	75
9/2/2015	90435	1152	75
9/3/2015	91196	1152	75
9/8/2015	89543	1152	75
9/9/2015	89887	1152	75
9/10/2015	91091	1152	75
9/15/2015	85900	1152	75
9/16/2015	89172	1152	75
9/17/2015	90864	1152	72
9/22/2015	87754	1152	75
9/23/2015	89597	1152	75
9/24/2015	86994	1152	75
9/29/2015	87552	1152	75
9/30/2015	89241	1152	75
TOTAL AVERAGE	**89256**		

5. I-5: I-8 Interchange to 6th Avenue - NB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	92551	1152	100
9/2/2015	92911	1152	100
9/3/2015	95656	1152	100
9/8/2015	91127	1152	92
9/9/2015	92887	1152	100
9/10/2015	92947	1152	100
9/15/2015	90127	1152	100
9/16/2015	93665	1152	100
9/17/2015	94319	1152	97
9/22/2015	93822	1152	100
9/23/2015	94803	1152	100
9/24/2015	96084	1152	100
9/29/2015	93685	1152	100
9/30/2015	95507	1152	100
TOTAL AVERAGE	**93578**		

5. I-5: I-8 Interchange to 6th Avenue - SB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	94729	1440	100
9/2/2015	94597	1440	100
9/3/2015	96943	1440	100
9/8/2015	93933	1440	91
9/9/2015	94592	1440	100
9/10/2015	94644	1440	100
9/15/2015	89494	1440	100
9/16/2015	94882	1440	100
9/17/2015	96481	1440	97
9/22/2015	93641	1440	100
9/23/2015	94545	1440	100
9/24/2015	95508	1440	100
9/29/2015	93105	1440	100
9/30/2015	94762	1440	100

6. I-5: 6th Avenue to Washington Street - NB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	55460	576	100
9/2/2015	55458	576	100
9/3/2015	57328	576	100
9/8/2015	54622	576	100
9/9/2015	55768	576	100
9/10/2015	55698	576	100
9/15/2015	51522	576	100
9/16/2015	54788	576	100
9/17/2015	56100	576	97
9/22/2015	55365	576	100
9/23/2015	56277	576	100
9/24/2015	56713	576	100
9/29/2015	55295	576	100
9/30/2015	56178	576	100

TOTAL AVERAGE **55469**

6. I-5: 6th Avenue to Washington Street - SB ADT

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	51102	576	100
9/2/2015	50747	576	100
9/3/2015	52937	576	100
9/8/2015	50191	576	100
9/9/2015	50491	576	100
9/10/2015	50967	576	100
9/15/2015	43834	576	100
9/16/2015	49967	576	100
9/17/2015	51744	576	97
9/22/2015	49503	576	100
9/23/2015	50187	576	100
9/24/2015	51477	576	100
9/29/2015	49154	576	100
9/30/2015	50337	576	100

TOTAL AVERAGE **50188**

7. I-5: Mesa College Drive to Phyllis Place - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	107731	1440	100
9/2/2015	108410	1440	100
9/3/2015	110494	1440	100
9/8/2015	111699	1440	100
9/9/2015	108934	1440	100
9/10/2015	109315	1440	100
9/15/2015	102826	1440	100
9/16/2015	107703	1440	100
9/17/2015	109110	1440	97
9/22/2015	108005	1440	100
9/23/2015	107842	1440	100
9/24/2015	110356	1440	100
9/29/2015	107840	1440	100
9/30/2015	107024	1440	100
TOTAL AVERAGE	**108378**		

7. I-5: Mesa College Drive to Phyllis Place - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	106746	1440	100
9/2/2015	109620	1440	100
9/3/2015	113631	1440	100
9/8/2015	106988	1440	100
9/9/2015	108232	1440	100
9/10/2015	110083	1440	100
9/15/2015	105077	1440	100
9/16/2015	113105	1440	100
9/17/2015	111077	1440	97
9/22/2015	112065	1440	100
9/23/2015	111715	1440	100
9/24/2015	114373	1440	100
9/29/2015	110924	1440	100
9/30/2015	112304	1440	100
TOTAL AVERAGE	**110424**		

8. I-5: Phyllis Place to I-8 Interchange - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	107399	1440	80
9/2/2015	108691	1440	80
9/3/2015	110001	1440	80
9/8/2015	111013	1440	80
9/9/2015	109302	1440	80
9/10/2015	109452	1440	80
9/15/2015	104080	1440	80
9/16/2015	108222	1440	80
9/17/2015	109069	1440	77
9/22/2015	108432	1440	80
9/23/2015	108346	1440	80
9/24/2015	110030	1440	80
9/29/2015	108153	1440	80
9/30/2015	107394	1440	80
TOTAL AVERAGE	**108542**		

8. I-5: Phyllis Place to I-8 Interchange - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	108435	1728	100
9/2/2015	111398	1728	100
9/3/2015	115606	1728	100
9/8/2015	108703	1728	100
9/9/2015	110008	1728	100
9/10/2015	111906	1728	100
9/15/2015	106411	1728	100
9/16/2015	114827	1728	100
9/17/2015	112863	1728	97
9/22/2015	113505	1728	100
9/23/2015	113470	1728	100
9/24/2015	115902	1728	100
9/29/2015	112333	1728	100
9/30/2015	113742	1728	100
TOTAL AVERAGE	**112079**		

9. I-5: I-8 Interchange to Adams Avenue - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	74312	1152	100
9/2/2015	75087	1152	100
9/3/2015	76724	1152	100
9/8/2015	77655	1152	100
9/9/2015	75619	1152	100
9/10/2015	76615	1152	94
9/15/2015	71080	1152	100
9/16/2015	74388	1152	100
9/17/2015	75474	1152	97
9/22/2015	74674	1152	100
9/23/2015	74820	1152	100
9/24/2015	76371	1152	100
9/29/2015	74851	1152	100
9/30/2015	75040	1152	100

TOTAL AVERAGE **75194**

9. I-5: I-8 Interchange to Adams Avenue - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	72277	1152	100
9/2/2015	74280	1152	100
9/3/2015	77095	1152	100
9/8/2015	71750	1152	100
9/9/2015	73198	1152	100
9/10/2015	74321	1152	94
9/15/2015	71748	1152	100
9/16/2015	76459	1152	100
9/17/2015	75373	1152	96
9/22/2015	75621	1152	100
9/23/2015	75551	1152	100
9/24/2015	77770	1152	100
9/29/2015	75064	1152	100
9/30/2015	76178	1152	100
TOTAL AVERAGE	**74763**		

10. I-5: Adams Avenue to El Cajon Boulevard - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	65923	864	100
9/2/2015	66920	864	100
9/3/2015	68561	864	100
9/8/2015	68818	864	100
9/9/2015	66911	864	100
9/10/2015	67172	864	100
9/15/2015	62910	864	100
9/16/2015	59031	864	48
9/17/2015	53026	864	0
9/22/2015	66138	864	100
9/23/2015	66511	864	100
9/24/2015	68065	864	100
9/29/2015	66074	864	100
9/30/2015	66893	864	100

TOTAL AVERAGE **65211**

10. I-5: Adams Avenue to El Cajon Boulevard - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	99887	1728	100
9/2/2015	101429	1728	100
9/3/2015	105366	1728	100
9/8/2015	98249	1728	100
9/9/2015	100800	1728	100
9/10/2015	101759	1728	100
9/15/2015	96850	1728	100
9/16/2015	93042	1728	48
9/17/2015	94109	1728	0
9/22/2015	102395	1728	100
9/23/2015	102713	1728	100
9/24/2015	105895	1728	100
9/29/2015	101339	1728	100
9/30/2015	103391	1728	100
TOTAL AVERAGE	**100516**		

11. I-5: Aero to Friars Road - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	91437	1440	100
9/2/2015	91977	1440	100
9/3/2015	94102	1440	100
9/8/2015	93042	1440	100
9/9/2015	93163	1440	100
9/10/2015	91088	1440	100
9/15/2015	85086	1440	100
9/16/2015	91245	1440	100
9/17/2015	92128	1440	97
9/22/2015	91527	1440	100
9/23/2015	91620	1440	100
9/24/2015	93380	1440	100
9/29/2015	88075	1440	100
9/30/2015	93821	1440	100

TOTAL AVERAGE **91549**

11. I-5: Aero to Friars Road - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	109386	1440	100
9/2/2015	109946	1440	100
9/3/2015	112879	1440	100
9/8/2015	109181	1440	100
9/9/2015	111669	1440	100
9/10/2015	110871	1440	100
9/15/2015	104966	1440	100
9/16/2015	109870	1440	100
9/17/2015	112563	1440	97
9/22/2015	109383	1440	100
9/23/2015	109909	1440	100
9/24/2015	114108	1440	100
9/29/2015	109087	1440	100
9/30/2015	112636	1440	100
TOTAL AVERAGE	**110461**		

12. I-5: Friars Road to I-8 Interchange - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	106093	1152	50
9/2/2015	105831	1152	50
9/3/2015	108818	1152	50
9/8/2015	107460	1152	50
9/9/2015	106323	1152	50
9/10/2015	106853	1152	50
9/15/2015	96949	1152	50
9/16/2015	104488	1152	50
9/17/2015	106255	1152	48
9/22/2015	105697	1152	50
9/23/2015	104548	1152	50
9/24/2015	105883	1152	50
9/29/2015	103820	1152	50
9/30/2015	105901	1152	50
TOTAL AVERAGE	**105351**		

12. I-5: Friars Road to I-8 Interchange - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	111792	1728	100
9/2/2015	112057	1728	100
9/3/2015	115594	1728	100
9/8/2015	111137	1728	100
9/9/2015	114233	1728	100
9/10/2015	113182	1728	100
9/15/2015	105755	1728	100
9/16/2015	111828	1728	100
9/17/2015	114205	1728	97
9/22/2015	111290	1728	100
9/23/2015	111948	1728	100
9/24/2015	116228	1728	100
9/29/2015	110446	1728	100
9/30/2015	114324	1728	100
TOTAL AVERAGE	**112430**		

13. I-5: I-8 Interchange to Adams Avenue - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	97616	1152	50
9/2/2015	99124	1152	50
9/3/2015	101593	1152	50
9/8/2015	97409	1152	50
9/9/2015	98748	1152	50
9/10/2015	97147	1152	50
9/15/2015	87126	1152	50
9/16/2015	96377	1152	50
9/17/2015	95812	1152	48
9/22/2015	100055	1152	50
9/23/2015	101716	1152	50
9/24/2015	97290	1152	50
9/29/2015	94046	1152	50
9/30/2015	97547	1152	50
TOTAL AVERAGE	**97258**		

13. I-5: I-8 Interchange to Adams Avenue - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	85730	1440	20
9/2/2015	88102	1440	20
9/3/2015	76828	1440	20
9/8/2015	84236	1440	0
9/9/2015	71871	1440	20
9/10/2015	87008	1440	0
9/15/2015	82351	1440	20
9/16/2015	77203	1440	40
9/17/2015	69938	1440	39
9/22/2015	86228	1440	40
9/23/2015	88698	1440	40
9/24/2015	89204	1440	40
9/29/2015	85212	1440	20
9/30/2015	74520	1440	20

TOTAL AVERAGE **81938**

14. I-5: Adams Avenue to El Cajon Boulevard - NB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	87524	1152	100
9/2/2015	89189	1152	100
9/3/2015	91689	1152	100
9/8/2015	88113	1152	100
9/9/2015	88655	1152	100
9/10/2015	87322	1152	100
9/15/2015	75843	1152	100
9/16/2015	86135	1152	100
9/17/2015	86032	1152	97
9/22/2015	90539	1152	100
9/23/2015	93121	1152	100
9/24/2015	87261	1152	100
9/29/2015	83638	1152	100
9/30/2015	86321	1152	100
TOTAL AVERAGE	**87242**		

14. I-5: Adams Avenue to El Cajon Boulevard - SB (ADT)

Day	Flow (Veh/Day)	# Lane Points	% Observed
9/1/2015	85293	1440	100
9/2/2015	88744	1440	100
9/3/2015	90551	1440	100
9/8/2015	84930	1440	100
9/9/2015	89361	1440	100
9/10/2015	88570	1440	100
9/15/2015	80252	1440	100
9/16/2015	87814	1440	100
9/17/2015	85002	1440	97
9/22/2015	86684	1440	100
9/23/2015	87725	1440	100
9/24/2015	87426	1440	100
9/29/2015	86203	1440	100
9/30/2015	87632	1440	100
TOTAL AVERAGE	**86871**		

Eastbound: I-8: Fairmount Avenue SB On-Ramp

Hour	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 16:00	10524	72	100
9/1/2015 17:00	10093	72	100
9/2/2015 16:00	9714	72	100
9/2/2015 17:00	9693	72	100
9/3/2015 16:00	9131	72	100
9/3/2015 17:00	9558	72	100
9/8/2015 16:00	9850	72	100
9/8/2015 17:00	9729	72	100
9/9/2015 16:00	9750	72	100
9/9/2015 17:00	9877	72	100
9/10/2015 16:00	10322	72	100
9/10/2015 17:00	9728	72	100
9/15/2015 16:00	9575	72	100
9/15/2015 17:00	8583	72	100
9/16/2015 16:00	9912	72	100
9/16/2015 17:00	8831	72	100
9/17/2015 16:00	9355	72	100
9/17/2015 17:00	8841	72	100
9/22/2015 16:00	9722	72	100
9/22/2015 17:00	10057	72	100
9/23/2015 16:00	9844	72	100
9/23/2015 17:00	9668	72	100
9/24/2015 16:00	9885	72	100
9/24/2015 17:00	8092	72	100
9/29/2015 16:00	9683	72	100
9/29/2015 17:00	9499	72	100
9/30/2015 16:00	9679	72	100
9/30/2015 17:00	9565	72	100
TOTAL AVERAGe	**9599**		

Eastbound: I-8: Sports Arena Boulevard On-Ramps to I-5 SB Off-Ramp

Hour	Lane 1 Flow (Veh/H	Lane 2 Flow (Veh/I	Lane 3 Flow (Veh/I	Lane 4 Flow (Ve	Flow (Veh/Ho	# Lane Poi	% Observed
9/1/2015 7:00	1154	1013	932	686	3785	48	100
9/1/2015 8:00	1233	1039	964	725	3961	48	100
9/2/2015 7:00	1196	1053	947	698	3894	48	100
9/2/2015 8:00	1179	983	980	718	3860	48	100
9/3/2015 7:00	1198	1027	972	654	3851	48	100
9/3/2015 8:00	1205	1024	919	679	3827	48	100
9/8/2015 7:00	1214	1073	966	768	4021	48	100
9/8/2015 8:00	1101	1109	1019	775	4004	48	67
9/9/2015 7:00	1290	1101	952	758	4101	48	100
9/9/2015 8:00	1210	1032	964	731	3937	48	100
9/10/2015 7:00	1260	1119	984	820	4183	48	100
9/10/2015 8:00	1228	984	952	756	3920	48	100
9/15/2015 7:00	1235	1125	990	911	4261	48	100
9/15/2015 8:00	1157	1024	937	739	3857	48	100
9/16/2015 7:00	1229	1058	957	764	4008	48	100
9/16/2015 8:00	1166	992	995	717	3870	48	100
9/17/2015 7:00	1238	1109	1009	801	4157	48	83
9/17/2015 8:00	1198	1006	968	767	3939	48	100
9/22/2015 7:00	1250	1096	999	651	3996	48	100
9/22/2015 8:00	1206	1062	943	730	3941	48	100
9/23/2015 7:00	1192	1174	970	772	4108	48	100
9/23/2015 8:00	1084	1048	944	762	3838	48	100
9/24/2015 7:00	1356	1099	975	703	4133	48	100
9/24/2015 8:00	1201	1002	948	733	3884	48	100
9/29/2015 7:00	1269	1135	982	730	4116	48	100
9/29/2015 8:00	1165	1095	955	743	3958	48	100
9/30/2015 7:00	1277	1087	965	849	4178	48	100
9/30/2015 8:00	1192	1011	933	759	3895	48	100
				TOTAL AVERAC	**3982**		

Eastbound: I-8: Hotel Circle South On-Ramp to SR- 163 SB Off-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Lane 5 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 16:00	1984	1993	1479	1768	730	7954	60	100
9/1/2015 17:00	1936	1955	1449	1758	718	7816	60	100
9/2/2015 16:00	2021	1957	1479	1806	697	7960	60	100
9/2/2015 17:00	1906	1850	1338	1649	677	7420	60	100
9/3/2015 16:00	1910	1845	1397	1703	705	7560	60	100
9/3/2015 17:00	1983	1855	1332	1616	645	7431	60	100
9/8/2015 16:00	1925	1846	1409	1686	710	7576	60	100
9/8/2015 17:00	1886	1859	1418	1694	666	7523	60	100
9/9/2015 16:00	1887	1844	1393	1631	696	7451	60	100
9/9/2015 17:00	1822	1835	1320	1649	699	7325	60	100
9/10/2015 16:00	1890	1853	1393	1705	703	7544	60	100
9/10/2015 17:00	1950	1921	1470	1746	695	7782	60	100
9/15/2015 16:00	1809	1811	1378	1640	648	7286	60	100
9/15/2015 17:00	1638	1634	1204	1467	642	6585	60	100
9/16/2015 16:00	1703	1735	1203	1506	700	6847	60	100
9/16/2015 17:00	1852	1799	1358	1584	654	7247	60	100
9/17/2015 16:00	1834	1843	1312	1641	726	7356	60	100
9/17/2015 17:00	1838	1790	1283	1570	764	7245	60	100
9/22/2015 16:00	1945	1877	1453	1700	691	7666	60	100
9/22/2015 17:00	1881	1857	1305	1642	704	7389	60	100
9/23/2015 16:00	1879	1810	1263	1544	699	7195	60	100
9/23/2015 17:00	1876	1820	1259	1579	704	7238	60	100
9/24/2015 16:00	1841	1786	1311	1593	717	7248	60	100
9/24/2015 17:00	1844	1825	1321	1604	666	7260	60	100
9/29/2015 16:00	1884	1793	1320	1552	717	7266	60	100
9/29/2015 17:00	1842	1811	1313	1631	692	7289	60	100
9/30/2015 16:00	1832	1766	1290	1541	687	7116	60	100
9/30/2015 17:00	1819	1771	1278	1555	711	7134	60	100
					TOTAL AVERAG	**7382**		

Eastbound: I-8: SR-163 NB Off-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 16:00	1784	1638	1427	911	5760	48	100
9/1/2015 17:00	1734	1625	1393	923	5675	48	100
9/2/2015 16:00	1798	1598	1400	917	5713	48	100
9/2/2015 17:00	1609	1528	1294	881	5312	48	100
9/3/2015 16:00	1714	1518	1356	888	5476	48	100
9/3/2015 17:00	1535	1469	1281	974	5259	48	100
9/8/2015 16:00	1688	1494	1371	905	5458	48	100
9/8/2015 17:00	1638	1509	1368	888	5403	48	100
9/9/2015 16:00	1657	1497	1334	905	5393	48	100
9/9/2015 17:00	1582	1489	1342	858	5271	48	100
9/10/2015 16:00	1727	1568	1331	896	5522	48	100
9/10/2015 17:00	1706	1590	1359	850	5505	48	100
9/15/2015 16:00	1615	1467	1271	839	5192	48	100
9/15/2015 17:00	1466	1344	1214	870	4894	48	100
9/16/2015 16:00	1375	1287	1116	969	4747	48	100
9/16/2015 17:00	1566	1434	1280	860	5140	48	100
9/17/2015 16:00	1671	1553	1288	891	5403	48	100
9/17/2015 17:00	1454	1330	1243	1052	5079	48	100
9/22/2015 16:00	1682	1579	1369	969	5599	48	100
9/22/2015 17:00	1579	1493	1335	936	5343	48	100
9/23/2015 16:00	1623	1526	1306	872	5327	48	100
9/23/2015 17:00	1568	1511	1285	863	5227	48	100
9/24/2015 16:00	1604	1491	1326	860	5281	48	100
9/24/2015 17:00	1573	1485	1316	862	5236	48	100
9/29/2015 16:00	1584	1501	1316	864	5265	48	100
9/29/2015 17:00	1548	1513	1277	875	5213	48	100
9/30/2015 16:00	1593	1457	1334	876	5260	48	100
9/30/2015 17:00	1579	1437	1309	847	5172	48	100
			TOTAL AVERAGE	**5326**			

Eastbound: I-8: Mission Center Road Off-Ramp

Hour	Lane 1 Flow (Veh/H	Lane 2 Flow (Veh/l	Lane 3 Flow (Veh/l	Lane 4 Flow (Ve	Flow (Veh/Ho	# Lane Poi	% Observed
9/1/2015 16:00	1680	1591	1384	1134	5789	48	75
9/1/2015 17:00	1673	1542	1356	1142	5713	48	75
9/2/2015 16:00	1674	1508	1384	1096	5662	48	75
9/2/2015 17:00	1537	1454	1287	1010	5288	48	75
9/3/2015 16:00	1657	1466	1259	1026	5408	48	75
9/3/2015 17:00	1547	1380	1256	932	5115	48	75
9/8/2015 16:00	1611	1469	1326	1059	5465	48	75
9/8/2015 17:00	1588	1466	1320	1052	5426	48	75
9/9/2015 16:00	1550	1452	1277	1048	5327	48	75
9/9/2015 17:00	1516	1475	1251	1095	5337	48	75
9/10/2015 16:00	1653	1554	1265	1096	5568	48	75
9/10/2015 17:00	1601	1505	1322	1101	5529	48	75
9/15/2015 16:00	1521	1486	1203	1049	5259	48	75
9/15/2015 17:00	1407	1368	1168	1031	4974	48	75
9/16/2015 16:00	1415	1294	1160	858	4727	48	75
9/16/2015 17:00	1516	1424	1216	1040	5196	48	75
9/17/2015 16:00	1642	1453	1295	1026	5416	48	75
9/17/2015 17:00	1470	1315	1185	855	4825	48	75
9/22/2015 16:00	1642	1463	1342	1020	5467	48	75
9/22/2015 17:00	1561	1443	1294	1000	5298	48	75
9/23/2015 16:00	1560	1480	1282	1035	5357	48	75
9/23/2015 17:00	1511	1459	1223	1074	5267	48	75
9/24/2015 16:00	1521	1232	1284	1026	5063	48	75
9/24/2015 17:00	1512	1245	1231	1064	5052	48	75
9/29/2015 16:00	1583	1206	1276	976	5041	48	75
9/29/2015 17:00	1503	1180	1285	937	4905	48	75
9/30/2015 16:00	1542	1479	1260	1052	5333	48	75
9/30/2015 17:00	1505	1425	1245	1000	5175	48	75
		TOTAL AVERAGE			**5285**		

Eastbound: I-8: Mission Center Road Off-Ramp to SR-163 NB On-Ramp

Hour	Lane 1 Flow (Veh/H	Lane 2 Flow (Veh/l	Lane 3 Flow (Veh/l	Lane 4 Flow (Ve	Lane 5 Flow (	Flow (Veh/	# Lane Poi	% Observe
9/1/2015 16:00	1730	1725	1781	1754	1435	8425	60	100
9/1/2015 17:00	1730	1691	1735	1663	1347	8166	60	100
9/2/2015 16:00	1705	1726	1716	1633	1152	7932	60	100
9/2/2015 17:00	1644	1632	1697	1493	1247	7713	60	100
9/3/2015 16:00	1679	1587	1649	1550	1260	7725	60	100
9/3/2015 17:00	1577	1417	1554	1441	1201	7190	60	100
9/8/2015 16:00	1684	1652	1711	1554	1280	7881	60	100
9/8/2015 17:00	1642	1644	1685	1526	1205	7702	60	100
9/9/2015 16:00	1588	1607	1668	1498	1282	7643	60	100
9/9/2015 17:00	1576	1546	1661	1656	1318	7757	60	100
9/10/2015 16:00	1671	1636	1738	1758	1396	8199	60	100
9/10/2015 17:00	1633	1584	1730	1751	1280	7978	60	100
9/15/2015 16:00	1517	1527	1664	1806	1422	7936	60	100
9/15/2015 17:00	1402	1415	1557	1558	1247	7179	60	100
9/16/2015 16:00	1490	1485	1406	1266	1125	6772	60	100
9/16/2015 17:00	1602	1614	1636	1511	1197	7560	60	100
9/17/2015 16:00	1685	1645	1644	1489	1259	7722	60	100
9/17/2015 17:00	1530	1494	1403	1281	1119	6827	60	100
9/22/2015 16:00	1735	1697	1603	1450	1267	7752	60	100
9/22/2015 17:00	1634	1640	1638	1441	1234	7587	60	100
9/23/2015 16:00	1636	1614	1691	1615	1290	7846	60	100
9/23/2015 17:00	1532	1529	1566	1662	1306	7595	60	100
9/24/2015 16:00	1555	1647	1395	1252	989	6838	60	0
9/24/2015 17:00	1479	1580	1341	1207	944	6551	60	0
9/29/2015 16:00	1471	1555	1319	1188	938	6471	60	0
9/29/2015 17:00	1550	1633	1380	1241	984	6788	60	0
9/30/2015 16:00	1599	1592	1701	1739	1336	7967	60	100
9/30/2015 17:00	1550	1527	1586	1539	1278	7480	60	100
				TOTAL AVERAGE		**7542**		

Eastbound: I-8: Mission Center Road On-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Lane 5 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 16:00	2053	1947	1763	2122	1920	9805	60	100
9/1/2015 17:00	2059	1900	1676	2042	1941	9618	60	100
9/2/2015 16:00	1988	1840	1680	2034	1908	9450	60	100
9/2/2015 17:00	1875	1731	1606	1893	1937	9042	60	100
9/3/2015 16:00	1853	1734	1654	1905	1906	9052	60	100
9/3/2015 17:00	1732	1672	1625	1877	1940	8846	60	100
9/8/2015 16:00	1949	1790	1661	1936	1874	9210	60	100
9/8/2015 17:00	1941	1869	1616	1789	1861	9076	60	100
9/9/2015 16:00	1884	1681	1541	1901	1862	8869	60	100
9/9/2015 17:00	1882	1783	1655	1953	1884	9157	60	100
9/10/2015 16:00	1995	1879	1701	2074	1864	9513	60	100
9/10/2015 17:00	1916	1877	1739	2005	1969	9506	60	100
9/15/2015 16:00	1792	1785	1772	2002	1866	9217	60	100
9/15/2015 17:00	1673	1648	1565	1816	1752	8454	60	100
9/16/2015 16:00	1597	1495	1468	1700	1832	8092	60	100
9/16/2015 17:00	1802	1710	1617	1886	1928	8943	60	100
9/17/2015 16:00	1945	1789	1615	1838	1843	9030	60	100
9/17/2015 17:00	1529	1431	1468	1690	1834	7952	60	100
9/22/2015 16:00	1866	1777	1602	1935	1866	9046	60	100
9/22/2015 17:00	1874	1734	1565	1951	1885	9009	60	100
9/23/2015 16:00	1893	1762	1667	1982	1918	9222	60	100
9/23/2015 17:00	1797	1752	1582	1937	1845	8913	60	100
9/24/2015 16:00	1863	1778	1615	1862	1869	8987	60	100
9/24/2015 17:00	1761	1686	1593	1650	1821	8511	60	100
9/29/2015 16:00	1716	1614	1549	1811	1914	8604	60	100
9/29/2015 17:00	1745	1728	1618	1866	1844	8801	60	100
9/30/2015 16:00	1924	1828	1617	2002	1814	9185	60	100
9/30/2015 17:00	1813	1722	1594	1829	1878	8836	60	100
				TOTAL AVERAGE		**8998**		

Eastbound: I-805 Off-Ramp

Hour	Lane 1 Flow (Veh/H	Lane 2 Flow (Veh/I	Lane 3 Flow (Veh/I	Lane 4 Flow (Ve	Flow (Veh/Ho	# Lane Poi	% Observed
9/1/2015 16:00	1967	1748	1638	982	6335	48	100
9/1/2015 17:00	1959	1726	1560	878	6123	48	100
9/2/2015 16:00	1852	1649	1531	935	5967	48	100
9/2/2015 17:00	1643	1541	1465	977	5626	48	100
9/3/2015 16:00	1696	1545	1461	925	5627	48	100
9/3/2015 17:00	1612	1528	1455	1015	5610	48	100
9/8/2015 16:00	1722	1602	1503	1028	5855	48	100
9/8/2015 17:00	1847	1701	1550	810	5908	48	100
9/9/2015 16:00	1735	1554	1443	877	5609	48	100
9/9/2015 17:00	1780	1631	1548	830	5789	48	100
9/10/2015 16:00	1918	1692	1572	923	6105	48	100
9/10/2015 17:00	1829	1689	1622	909	6049	48	100
9/15/2015 16:00	1746	1664	1577	951	5938	48	100
9/15/2015 17:00	1566	1518	1419	910	5413	48	100
9/16/2015 16:00	1491	1408	1273	1040	5212	48	100
9/16/2015 17:00	1553	1518	1417	1003	5491	48	100
9/17/2015 16:00	1807	1640	1526	927	5900	48	100
9/17/2015 17:00	1395	1291	1245	1010	4941	48	100
9/22/2015 16:00	1645	1547	1459	1006	5657	48	100
9/22/2015 17:00	1702	1578	1460	936	5676	48	100
9/23/2015 16:00	1709	1590	1537	1002	5838	48	100
9/23/2015 17:00	1717	1630	1502	909	5758	48	100
9/24/2015 16:00	1732	1614	1442	951	5739	48	100
9/24/2015 17:00	1628	1531	1362	833	5354	48	100
9/29/2015 16:00	1524	1472	1370	1063	5429	48	100
9/29/2015 17:00	1582	1509	1503	1035	5629	48	100
9/30/2015 16:00	1834	1677	1515	899	5925	48	100
9/30/2015 17:00	1655	1572	1458	954	5639	48	100
				TOTAL AVERAGE	**5719**		

Eastbound: I-8: Qualcomm Way On-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 16:00	1849	1704	1912	2044	7509	48	75
9/1/2015 17:00	1853	1699	1900	1904	7356	48	75
9/2/2015 16:00	1709	1648	1835	1852	7044	48	75
9/2/2015 17:00	1641	1671	1772	1565	6649	48	75
9/3/2015 16:00	1573	1582	1744	1634	6533	48	75
9/3/2015 17:00	1510	1604	1733	1466	6313	48	75
9/8/2015 16:00	1682	1693	1782	1555	6712	48	75
9/8/2015 17:00	1753	1677	1807	1861	7098	48	75
9/9/2015 16:00	1727	1628	1796	1761	6912	48	75
9/9/2015 17:00	1657	1664	1780	1707	6808	48	75
9/10/2015 16:00	1789	1712	1939	1906	7346	48	75
9/10/2015 17:00	1779	1769	1831	1659	7038	48	75
9/15/2015 16:00	1691	1680	1883	1912	7166	48	75
9/15/2015 17:00	1515	1487	1666	1748	6416	48	75
9/16/2015 16:00	1624	1595	1756	1387	6362	48	75
9/16/2015 17:00	1609	1627	1719	1509	6464	48	75
9/17/2015 16:00	1630	1683	1745	1732	6790	48	75
9/17/2015 17:00	1383	1450	1553	1442	5828	48	75
9/22/2015 16:00	1608	1663	1756	1420	6447	48	75
9/22/2015 17:00	1661	1669	1811	1685	6826	48	75
9/23/2015 16:00	1802	1737	1847	1545	6931	48	75
9/23/2015 17:00	1658	1632	1803	1750	6843	48	75
9/24/2015 16:00	1681	1612	1749	1796	6838	48	75
9/24/2015 17:00	1425	1447	1583	1665	6120	48	75
9/29/2015 16:00	1430	1617	1912	1493	6452	48	75
9/29/2015 17:00	1586	1656	1947	1611	6800	48	75
9/30/2015 16:00	1680	1706	1995	1700	7081	48	75
9/30/2015 17:00	1547	1584	1881	1877	6889	48	75
			TOTAL AVERAGE		**6770**		

Eastbound: I-8: Qualcomm Way On-Ramp to I-805 On-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Lane 5 Flow (Veh/Hour)	Lane 6 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 16:00	1812	1644	1653	1817	982	1599	9507	72	83
9/1/2015 17:00	1747	1638	1627	1822	1001	1618	9453	72	83
9/2/2015 16:00	1604	1572	1576	1736	969	1660	9117	72	83
9/2/2015 17:00	1530	1521	1523	1631	966	1730	8901	72	83
9/3/2015 16:00	1472	1466	1493	1630	934	1642	8637	72	83
9/3/2015 17:00	1450	1525	1507	1504	941	1713	8640	72	83
9/8/2015 16:00	1555	1538	1521	1643	969	1763	8989	72	83
9/8/2015 17:00	1687	1557	1510	1675	996	1552	8977	72	83
9/9/2015 16:00	1658	1565	1506	1667	947	1636	8979	72	83
9/9/2015 17:00	1580	1533	1467	1651	964	1577	8772	72	83
9/10/2015 16:00	1740	1653	1694	1883	995	1589	9554	72	83
9/10/2015 17:00	1650	1605	1589	1663	988	1754	9249	72	83
9/15/2015 16:00	1677	1598	1626	1802	1035	1565	9303	72	83
9/15/2015 17:00	1420	1378	1465	1578	939	1514	8294	72	83
9/16/2015 16:00	1532	1512	1546	1562	929	1652	8733	72	83
9/16/2015 17:00	1482	1457	1499	1587	936	1757	8718	72	83
9/17/2015 16:00	1453	1524	1515	1556	972	1733	8753	72	83
9/17/2015 17:00	1250	1271	1326	1436	869	1712	7864	72	83
9/22/2015 16:00	1499	1518	1523	1595	937	1743	8815	72	83
9/22/2015 17:00	1583	1554	1559	1668	968	1771	9103	72	83
9/23/2015 16:00	1711	1623	1554	1673	972	1700	9233	72	83
9/23/2015 17:00	1553	1559	1472	1690	958	1614	8846	72	83
9/24/2015 16:00	1545	1512	1518	1612	960	1653	8800	72	83
9/24/2015 17:00	1289	1288	1395	1445	846	1647	7910	72	83
9/29/2015 16:00	1307	1609	1641	1933	950	746	8186	72	0
9/29/2015 17:00	1375	1684	1717	2018	999	753	8546	72	0
9/30/2015 16:00	1436	1750	1781	2094	979	761	8801	72	0
9/30/2015 17:00	1453	1777	1809	2128	977	724	8868	72	0
					TOTAL AVERAGE		**8841**		

Eastbound: I-8: Fairmount Avenue SB On-Ramp

Hour	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 16:00	10524	72	100
9/1/2015 17:00	10093	72	100
9/2/2015 16:00	9714	72	100
9/2/2015 17:00	9693	72	100
9/3/2015 16:00	9131	72	100
9/3/2015 17:00	9558	72	100
9/8/2015 16:00	9850	72	100
9/8/2015 17:00	9729	72	100
9/9/2015 16:00	9750	72	100
9/9/2015 17:00	9877	72	100
9/10/2015 16:00	10322	72	100
9/10/2015 17:00	9728	72	100
9/15/2015 16:00	9575	72	100
9/15/2015 17:00	8583	72	100
9/16/2015 16:00	9912	72	100
9/16/2015 17:00	8831	72	100
9/17/2015 16:00	9355	72	100
9/17/2015 17:00	8841	72	100
9/22/2015 16:00	9722	72	100
9/22/2015 17:00	10057	72	100
9/23/2015 16:00	9844	72	100
9/23/2015 17:00	9668	72	100
9/24/2015 16:00	9885	72	100
9/24/2015 17:00	8092	72	100
9/29/2015 16:00	9683	72	100
9/29/2015 17:00	9499	72	100
9/30/2015 16:00	9679	72	100
9/30/2015 17:00	9565	72	100
TOTAL AVERAGe	**9599**		

Westbound: I-8: Fairmount Avenue Off-Ramp

Hour	Flow (Veh/Hour	# Lane Points	% Observed
9/1/2015 7:00	10510	72	100
9/1/2015 8:00	10103	72	100
9/2/2015 7:00	10144	72	100
9/2/2015 8:00	10116	72	100
9/3/2015 7:00	10341	72	100
9/3/2015 8:00	10349	72	100
9/8/2015 7:00	10943	72	100
9/8/2015 8:00	9853	72	100
9/9/2015 7:00	10183	72	100
9/9/2015 8:00	9875	72	100
9/10/2015 7:00	10348	72	100
9/10/2015 8:00	7594	72	100
9/15/2015 7:00	10579	72	100
9/15/2015 8:00	9413	72	100
9/16/2015 7:00	9673	72	100
9/16/2015 8:00	9942	72	100
9/17/2015 7:00	9878	72	100
9/17/2015 8:00	9370	72	100
9/22/2015 7:00	10936	72	100
9/22/2015 8:00	9814	72	100
9/23/2015 7:00	10043	72	100
9/23/2015 8:00	9781	72	100
9/24/2015 7:00	9063	72	100
9/24/2015 8:00	9469	72	100
9/29/2015 7:00	9415	72	100
9/29/2015 8:00	8427	72	100
9/30/2015 7:00	9738	72	100
9/30/2015 8:00	9286	72	100

TOTAL AVERAG	9828.071429

Westbound: I-8: I-15 SB Off-Ramp to I-15 On-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 7:00	1799	1678	1523	1417	6417	48	100
9/1/2015 8:00	1680	1656	1574	1417	6327	48	100
9/2/2015 7:00	1852	1746	1520	1146	6264	48	100
9/2/2015 8:00	1750	1683	1477	1358	6268	48	100
9/3/2015 7:00	1807	1733	1527	1534	6601	48	100
9/3/2015 8:00	1761	1715	1618	1513	6607	48	100
9/8/2015 7:00	1934	1769	1675	1585	6963	48	100
9/8/2015 8:00	1740	1633	1482	1202	6057	48	100
9/9/2015 7:00	1740	1682	1503	1204	6129	48	100
9/9/2015 8:00	1716	1657	1483	1218	6074	48	100
9/10/2015 7:00	1799	1696	1520	1355	6370	48	100
9/10/2015 8:00	1174	1082	888	744	3888	48	100
9/15/2015 7:00	1931	1742	1513	1468	6654	48	100
9/15/2015 8:00	1658	1544	1303	1028	5533	48	100
9/16/2015 7:00	1750	1584	1404	1428	6166	48	100
9/16/2015 8:00	1771	1644	1468	1441	6324	48	100
9/17/2015 7:00	1729	1670	1466	1059	5924	48	100
9/17/2015 8:00	1674	1584	1355	1114	5727	48	100
9/22/2015 7:00	1936	1769	1546	1456	6707	48	100
9/22/2015 8:00	1678	1665	1504	1443	6290	48	100
9/23/2015 7:00	1823	1674	1441	1356	6294	48	100
9/23/2015 8:00	1673	1619	1447	1287	6026	48	100
9/24/2015 7:00	1437	1479	1387	1376	5679	48	100
9/24/2015 8:00	1630	1548	1428	1260	5866	48	100
9/29/2015 7:00	1597	1541	1413	1222	5773	48	100
9/29/2015 8:00	1408	1344	1176	929	4857	48	100
9/30/2015 7:00	1699	1643	1488	1087	5917	48	100
9/30/2015 8:00	1581	1536	1369	1151	5637	48	100
			TOTAL AVERAGE		**6048**		

Westbound: I-8: I-15 SB Off-Ramp to I-15 On-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 7:00	1799	1678	1523	1417	6417	48	100
9/1/2015 8:00	1680	1656	1574	1417	6327	48	100
9/2/2015 7:00	1852	1746	1520	1146	6264	48	100
9/2/2015 8:00	1750	1683	1477	1358	6268	48	100
9/3/2015 7:00	1807	1733	1527	1534	6601	48	100
9/3/2015 8:00	1761	1715	1618	1513	6607	48	100
9/8/2015 7:00	1934	1769	1675	1585	6963	48	100
9/8/2015 8:00	1740	1633	1482	1202	6057	48	100
9/9/2015 7:00	1740	1682	1503	1204	6129	48	100
9/9/2015 8:00	1716	1657	1483	1218	6074	48	100
9/10/2015 7:00	1799	1696	1520	1355	6370	48	100
9/10/2015 8:00	1174	1082	888	744	3888	48	100
9/15/2015 7:00	1931	1742	1513	1468	6654	48	100
9/15/2015 8:00	1658	1544	1303	1028	5533	48	100
9/16/2015 7:00	1750	1584	1404	1428	6166	48	100
9/16/2015 8:00	1771	1644	1468	1441	6324	48	100
9/17/2015 7:00	1729	1670	1466	1059	5924	48	100
9/17/2015 8:00	1674	1584	1355	1114	5727	48	100
9/22/2015 7:00	1936	1769	1546	1456	6707	48	100
9/22/2015 8:00	1678	1665	1504	1443	6290	48	100
9/23/2015 7:00	1823	1674	1441	1356	6294	48	100
9/23/2015 8:00	1673	1619	1447	1287	6026	48	100
9/24/2015 7:00	1437	1479	1387	1376	5679	48	100
9/24/2015 8:00	1630	1548	1428	1260	5866	48	100
9/29/2015 7:00	1597	1541	1413	1222	5773	48	100
9/29/2015 8:00	1408	1344	1176	929	4857	48	100
9/30/2015 7:00	1699	1643	1488	1087	5917	48	100
9/30/2015 8:00	1581	1536	1369	1151	5637	48	100
			TOTAL AVERAGE		**6048**		

Westbound: I-8: Qualcomm Way Off-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 7:00	1667	1631	1584	1895	6777	48	100
9/1/2015 8:00	1782	1840	1686	2006	7314	48	100
9/2/2015 7:00	2111	1825	1606	1681	7223	48	100
9/2/2015 8:00	1980	1849	1616	2024	7469	48	100
9/3/2015 7:00	1980	1843	1649	1818	7290	48	100
9/3/2015 8:00	1804	1823	1723	2008	7358	48	100
9/8/2015 7:00	1997	1853	1701	1799	7350	48	100
9/8/2015 8:00	1829	1766	1622	1989	7206	48	100
9/9/2015 7:00	1881	1760	1581	1704	6926	48	100
9/9/2015 8:00	1826	1751	1630	2037	7244	48	100
9/10/2015 7:00	1796	1806	1662	1903	7167	48	100
9/10/2015 8:00	1124	1050	1092	1760	5026	48	100
9/15/2015 7:00	2017	1826	1636	1705	7184	48	100
9/15/2015 8:00	1836	1718	1528	1849	6931	48	100
9/16/2015 7:00	1936	1773	1524	1547	6780	48	100
9/16/2015 8:00	1749	1682	1587	1998	7016	48	100
9/17/2015 7:00	1964	1814	1566	1733	7077	48	100
9/17/2015 8:00	1868	1704	1617	1940	7129	48	100
9/22/2015 7:00	2113	1902	1644	1759	7418	48	100
9/22/2015 8:00	1860	1784	1638	2054	7336	48	100
9/23/2015 7:00	1947	1807	1592	1745	7091	48	100
9/23/2015 8:00	1732	1750	1558	2017	7057	48	100
9/24/2015 7:00	1751	1717	1621	1632	6721	48	100
9/24/2015 8:00	1768	1718	1582	1969	7037	48	100
9/29/2015 7:00	1657	1664	1578	1821	6720	48	100
9/29/2015 8:00	1399	1370	1369	1873	6011	48	100
9/30/2015 7:00	2008	1773	1531	1597	6909	48	100
9/30/2015 8:00	1829	1750	1578	2004	7161	48	8
			TOTAL AVERAGE		**6997**		

Westbound: I-8: Qualcomm Way Off-Ramp to I-805 On-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 7:00	1597	1520	1356	1356	5829	48	100
9/1/2015 8:00	1826	1771	1617	1448	6662	48	100
9/2/2015 7:00	1925	1745	1562	1276	6508	48	100
9/2/2015 8:00	1840	1722	1582	1478	6622	48	100
9/3/2015 7:00	1913	1784	1631	1266	6594	48	100
9/3/2015 8:00	1842	1747	1631	1435	6655	48	100
9/8/2015 7:00	1897	1740	1561	1416	6614	48	100
9/8/2015 8:00	1776	1669	1534	1434	6413	48	100
9/9/2015 7:00	1777	1694	1552	1497	6520	48	100
9/9/2015 8:00	1751	1670	1509	1492	6422	48	100
9/10/2015 7:00	1780	1697	1502	1433	6412	48	100
9/10/2015 8:00	1077	1009	889	885	3860	48	100
9/15/2015 7:00	1888	1744	1605	1301	6538	48	100
9/15/2015 8:00	1716	1638	1469	1415	6238	48	100
9/16/2015 7:00	1827	1667	1519	1208	6221	48	100
9/16/2015 8:00	1684	1562	1376	1371	5993	48	100
9/17/2015 7:00	1845	1720	1519	1389	6473	48	100
9/17/2015 8:00	1773	1670	1500	1497	6440	48	100
9/22/2015 7:00	1919	1742	1590	1442	6693	48	100
9/22/2015 8:00	1775	1720	1594	1511	6600	48	100
9/23/2015 7:00	1816	1685	1515	1425	6441	48	100
9/23/2015 8:00	1723	1611	1468	1446	6248	48	100
9/24/2015 7:00	1736	1653	1504	1273	6166	48	100
9/24/2015 8:00	1731	1638	1461	1455	6285	48	100
9/29/2015 7:00	1681	1618	1382	1361	6042	48	100
9/29/2015 8:00	1404	1315	1122	1120	4961	48	100
9/30/2015 7:00	1858	1691	1516	1273	6338	48	100
9/30/2015 8:00	1769	1647	1515	1455	6386	48	8
			TOTAL AVERAGE		**6256**		

Westbound: I-8: I-805 On-Ramp to Mission Center Road Off-Ramp

Hour	Lane 1 Flow (Veh/Hour)	Lane 2 Flow (Veh/Hour)	Lane 3 Flow (Veh/Hour)	Lane 4 Flow (Veh/Hour)	Lane 5 Flow (Veh/Hour)	Flow (Veh/Hour)	# Lane Points	% Observed
9/1/2015 7:00	1757	1708	1612	1612	1394	8083	60	100
9/1/2015 8:00	2012	1912	1869	1961	1622	9376	60	100
9/2/2015 7:00	1991	1921	1888	2085	1365	9250	60	100
9/2/2015 8:00	2030	1877	1797	1930	1570	9204	60	100
9/3/2015 7:00	1928	1980	1951	2036	1371	9266	60	100
9/3/2015 8:00	1976	1890	1884	2006	1632	9388	60	100
9/8/2015 7:00	2031	1906	1881	1931	1346	9095	60	100
9/8/2015 8:00	1933	1840	1753	1815	1529	8870	60	100
9/9/2015 7:00	1975	1883	1849	1862	1366	8935	60	100
9/9/2015 8:00	1941	1830	1807	1812	1568	8958	60	100
9/10/2015 7:00	1935	1866	1781	1827	1333	8742	60	100
9/10/2015 8:00	1157	1118	1092	1114	1356	5837	60	100
9/15/2015 7:00	1986	1929	1929	1995	1324	9163	60	100
9/15/2015 8:00	1901	1803	1784	1767	1484	8739	60	100
9/16/2015 7:00	1871	1825	1820	1892	1267	8675	60	100
9/16/2015 8:00	1821	1727	1627	1629	1530	8334	60	100
9/17/2015 7:00	2009	1904	1801	1822	1329	8865	60	100
9/17/2015 8:00	1980	1815	1756	1775	1509	8835	60	100
9/22/2015 7:00	2028	1919	1862	1935	1383	9127	60	100
9/22/2015 8:00	1991	1901	1889	1918	1555	9254	60	100
9/23/2015 7:00	2057	1884	1791	1776	1341	8849	60	100
9/23/2015 8:00	1866	1788	1757	1813	1494	8718	60	100
9/24/2015 7:00	1894	1883	1815	1923	1297	8812	60	100
9/24/2015 8:00	1922	1805	1737	1803	1547	8814	60	100
9/29/2015 7:00	1929	1796	1707	1696	1306	8434	60	100
9/29/2015 8:00	1528	1472	1352	1326	1375	7053	60	100
9/30/2015 7:00	1948	1848	1848	1882	1262	8788	60	100
9/30/2015 8:00	1934	1832	1770	1801	1536	8873	60	8
			TOTAL AVERAGE			**8726**		

INTERSTATE 8					
Direction	**Segment**	**Type**	**Peak Hour Volume**	**Density[a]**	**LOS**
Eastbound	Sunset Cliffs Blvd to Sports Arena Blvd SB On-Ramp	Basic	2,108	16	B
	Sports Arena Blvd On-Ramps to I-5 SB Off-Ramp	Weave	3,982	16	B
	I-5 SB Off Ramp to I-5 SB On-Ramp	Basic	3,061	a	**F**
	I-5 SB On Ramp to Camino Del Rio West On-Ramp	Basic	5,660	a	**F**
	Camino Del Rio West On-Ramp	Merge	7,410	32	C
	I-5 NB On-Ramp to Taylor St Off-Ramp	Weave	6,611	33	D
	Taylor St Off-Ramp to Taylor St On-Ramp	Basic	8,147	40	**E**
	Taylor St On-Ramp	Merge	8,147	31	D
	Taylor St On-Ramp to Hotel Cir S Off-Ramp	Basic	7,859	44	**E**
	Hotel Cir South Off-Ramp	Diverge	9,337	30	D
	Hotel Cir South On-Ramp to SR-163 SB Off-Ramp	Weave	7,382	25	C
	SR-163 NB Off-Ramp	Diverge	5,326	21	C
	Mission Center Rd Off-Ramp	Diverge	5,285	23	C
	Mission Center Rd Off-Ramp to SR-163 NB On-Ramp	Basic	7,542	30	D
	SR-163 NB On-Ramp	Merge	4,570	28	C
	Mission Center Rd On-Ramp	Merge	8,998	31	D
	Qualcomm Way Off-Ramp	Diverge	6,916	32	D
	Qualcomm Way Off-Ramp to I-805 Off-Ramp	Basic	5,559	19	C
	I-805 Off-Ramp	Diverge	5,719	31	D
	I-805 Off-Ramp to Qualcomm Way On-Ramp	Basic	4,367	17	B
	Qualcomm Way On-Ramp	Merge	6,770	42	**E**
	Qualcomm Way On-Ramp to I-805 On Ramp	Basic	8,841	33	D
	I-805 On-Ramp to I-15 NB Off-Ramp	Weave	6,827	A	**F**
	I-15 NB Off-Ramp to I-15 SB On-Ramp	Basic	10,000	a	**F**
	I-15 SB On-Ramp to Fairmount Ave SB On-Ramp	Basic	6,548	17	B
	Fairmount Ave SB On-Ramp	Merge	9,599	45	**E**

a- Density is measured in pc/hr/ln. If density is not shown, volume exceeded capacity.

Bold values indicate intersections operating at LOS E or F

[1] Gray rows represent information from the Transportation Concept Report – Interstate 8 (December 2015).

INTERSTATE 8					
Direction	Segment	Type[1]	Peak Hour Volume	Density[a]	LOS
Westbound	Fairmount Ave Off-Ramp	Diverge	9,828	31	D
	Fairmount Ave Off-Ramp to I-15 NB Off-Ramp	Basic	9,387	29	D
	I-15 NB Off-Ramp	Diverge	11,664	42	E
	I-15 SB Off-Ramp	Diverge	9,365	46	F
	I-15 SB Off Ramp to I-15 On-Ramp	Basic	6,048	29	D
	I-15 On-Ramp to I-805 Off-Ramp	Weave	11,327	35	D
	Qualcomm Way Off-Ramp	Diverge	6,997	29	D
	Qualcomm Way Off-Ramp to I-805 On-Ramp	Basic	6,256	28	D
	I-805 On-Ramp to Mission Center Rd Off-Ramp	Weave	8,726	32	D
	Mission Center Rd Off-Ramp to Mission Center Rd On-Ramp	Basic	10,150	72	F
	Mission Center Rd On-Ramp to SR-163 NB Off-Ramp	Weave	9,069	29	D
	SR-163 SB Off-Ramp	Diverge	8,384	37	E
	SR-163 SB Off-Ramp to SR-163 SB On-Ramp	Basic	7,264	22	C
	SR-163 On-Ramps	Merge	9,639	42	E
	SR-163 NB On-Ramp to Fashion Valley Rd On-Ramp	Basic	7,986	25	D
	Fashion Valley Rd On-Ramp	Merge	10,918	55	F
	Fashion Valley Rd On-Ramp to Taylor St Off-Ramp	Basic	8,000	26	D
	Taylor St Off-Ramp	Diverge	11,101	47	F
	Taylor St Off-Ramp to Taylor St On-Ramp	Basic	7,561	33	D
	Taylor St On-Ramp	Merge	9,021	54	F
	Morena Blvd Off-Ramp	Diverge	7,747	27	C
	I-5 SB Off-Ramp	Diverge	6,589	24	C
	I-5 NB Off-Ramp	Diverge	4,093	24	C
	I-5 NB Off-Ramp to I-5 On-Ramp	Basic	4,355	24	C
	I-5 On-Ramp to Mission Bay Dr Off-Ramp	Basic	3,000	11	B
	Mission Bay Dr Off-Ramp	Diverge	3,801	19	B
	Mission Bay Dr Off-Ramp to Sunset Cliffs Blvd	Basic	1,796	11	B

a- Density is measured in pc/hr/ln. If density is not shown, volume exceeded capacity.

Bold values indicate intersections operating at LOS E or F.

Red highlights represent volumes from Kimley-Horn's existing conditions analysis prepared for the Transportation Concept Report – Interstate 8 corridor (December 2015).

Appendix B
Traffic Signal Timing & Ramp Metering Rate

Traffic Signal Timings

ID	N/S Street	E/W Street
1	I-5 SB Ramps	Tecolote Road
2	I-5 NB Ramps	Tecolote Road
3	I-805 SB Ramps	Phyllis Place
4	I-805 NB Ramps	Murray Ridge Road
5	Mission Center Road	Mission Valley Road/Civita Boulevard
6	Mission Center Road	Westside Drive
7	Sea World Drive	Friars Road
8	Napa Street	Friars Road
9	Colusa Street	Friars Road
10	Via Las Cumbres	Friars Road
11	Fashion Valley Road	Friars Road
12	Via De La Moda	Friars Road
13	Avenida De Las Tiendas	Friars Road
14	Ulric Street/SR-163 SB Ramps	Friars Road
15	SR-163 NB Ramps	Friars Road
16	Frazee Road	Friars Road
17	Mission Center Road	Friars Road WB Ramps
18	Mission Center Road	Friars Road EB Ramps
19	Qualcomm Way	Friars Road WB Ramps
20	Qualcomm Way	Friars Road EB Ramps
21	River Run Drive	Friars Road
22	Fenton Parkway	Friars Road
23	Northside Drive	Friars Road
24	Mission Village Drive	Friars Road WB Ramps
25	Mission Village Drive	Friars Road EB Ramps
26	I-15 SB Ramps	Friars Road
27	I-15 NB Ramps	Friars Road
28	Rancho Mission Road	Friars Road
29	Santo Road	Friars Road
30	Riverdale Street	Friars Road
31	Mission Gorge Road	Friars Road
32	Mission Center Road	Mission Center Court
33	Qualcomm Way	Rio San Diego Drive
34 (Stop Control)	River Run Drive	Rio San Diego Drive
35	Fenton Parkway	Rio San Diego Drive
36	Northside Drive	Rio San Diego Drive
37	Rancho Mission Road	San Diego Mission Road

ID	N/S Street	E/W Street
38	Mission Center Road	Hazard Center Drive
39	Avenida Del Rio	Camino De La Reina
40	Mission Center Road	Camino De La Reina
41	Camino Del Este	Camino De La Reina
42	Qualcomm Way	Camino De La Reina
43	Mission City Parkway	Camino Del Rio North
44	Ward Road	Camino Del Rio North
45	Fairmount Avenue	Camino Del Rio North
46	I-8 WB Ramps	Hotel Circle North
47 (Stop Control)	I-8 WB Ramps	Hotel Circle North
48	Fashion Valley Road	Hotel Circle North
49	Mission Center Road	Camino Del Rio North
50	I-8 Ramps	Camino Del Rio North
51	Camino Del Este	Camino Del Rio North
52	Qualcomm Way	Camino Del Rio North/ I-8 WB Ramps
53	Morena Boulevard	Taylor Street
54	I-8 Ramps	Taylor Street
55 (Stop Control)	Hotel Circle North	Hotel Circle South
56 (Stop Control)	I-8 EB Ramps	Hotel Circle South
57	Bachman Place	Hotel Cirle South
58	Mission Center Road	I-8 EB Ramps
59	Mission Center Road	Camino Del Rio South
60	Qualcomm Way	I-8 EB Ramps
61	Qualcomm Way/Texas Street	Camino Del Rio South
62	Mission City Parkway	Camino Del Rio South
63	I-15 SB Offramp	Camino Del Rio South
64	SR-15 SB Onramp	Camino Del Rio South
65	I-15 NB Onramp	Camino Del Rio South
66	I-8 EB/I-15 SB Offramps	Fairmount Avenue
67	Texas Street	Madison Avenue

1 LOCATION: **RTE 5 SB / SEA WORLD DRIVE**

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F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8
0	WALK	1	7	7	1	1	1	1	1
1	DONT WALK	1	14	11	1	1	1	1	1
2	MIN GREEN	5	14	5	5	1	13	1	1
3	TYPE 3 DET	0	0	0	0	0	0	0	0
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	PASSAGE	2.0	2.0	0.9	1.0	0.9	2.0	0.9	0.9
6	MAX GAP	3.0	2.0	0.9	1.0	0.9	2.0	0.9	0.9
7	MIN GAP	1.0	2.0	0.9	1.0	0.9	2.0	0.9	0.9
8	MAX EXT	30	30	20	30	9	30	9	9
9	MAX 2								
A	MAX 3								
B									
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	YELLOW	3.7	4.5	3.0	4.1	3.0	4.5	3.0	3.0
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	PED XING FT		49	38					
	BIKE XING FT		101				90		

CLK RST	
YR	
MO	
DAY	
DOW	
HR	
MIN	
SEC	

	PRE-EMPTION E	
	EV SEL	0
	RR1 CLR	5
	EVA DLY	0
	EVA CLR	5
	EVB DLY	0
	EVB CLR	5
	EVC DLY	0
	EVC CLR	5
	EVD DLY	0
	EVD CLR	5
	MAX EV	255
	RR2 CLR	5

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2	3	4	5	6	7	8	0
RED LOCK	1			4					1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2	3						5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES									9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE				4					F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 5 SB / SEA WORLD DRIVE**

CALTRANS C8 Version 3 DATE: 9/28/2004

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	60	75	100	100	100	100								LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR	10	15	15	15	15	20							GAPOUT CP1	LAG FZ CP 1	1		3			6		8	1
2														GAPOUT CP2	LAG FZ CP 2	1		3			6		8	2
3	FZ3 GRN FCTR	14	14	14	14	14	14							GAPOUT CP3	LAG FZ CP 3	1		3			6		8	3
4	FZ4 GRN FCTR	15	20	30	30	25	25				PERM TIME			GAPOUT CP4	LAG FZ CP 4	1		3			6		8	4
5	FZ5 GRN FCTR	0	0	0	0	0	0				LAG OFFSET			GAPOUT CP5	LAG FZ CP 5	1		3			6		8	5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6	1		3			6		8	6
7	FZ7 GRN FCTR	0	0	0	0	0	0				LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR	0	0	0	0	0	0				NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE	0	0	0	0	0	0							GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A	0	0	0	0	0	0				OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
RTE 5 NB RAMP

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1	1			4					CP 1								
2	CP 2									CP 2	1			4					CP 2								
3	CP 3									CP 3	1			4					CP 3								
4	CP 4									CP 4	1			4					CP 4								
5	CP 5									CP 5	1			4					CP 5								
6	CP 6									CP 6	1			4					CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED			3						6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT			3						OLA ON	1	2		4		6			A
B	OLB NOT				4					OLB ON	1	2	3			6			B
C	OLC NOT	1			4					OLC ON		2	3			6			C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

LOCATION: **RTE 5 SB / SEA WORLD DRIVE**

CALTRANS C8 Version 3 DATE: 8/5/2003

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	06	00	1	A		2	3	4	5	6	
1	07	00	2	A		2	3	4	5	6	
2	07	30	3	A		2	3	4	5	6	
3	08	00	2	A		2	3	4	5	6	
4	09	30	6	A		2	3	4	5	6	
5	15	30	4	A		2	3	4	5	6	
6	18	00	2	A		2	3	4	5	6	
7	18	30	E			2	3	4	5	6	
8	15	00	5	A	1						7
9	19	00	E		1						7
A											
B											
C											
D											
E											
F											

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

D YELLOW YIELD COORDINATION

E TIME OF DAY FREE OPERATION

F FLASHING OPERATION

9 PAGE CO9 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

CONDUCTOR SCHEDULE				
AWG SIZE	PHASE	FUNCTION & CIRCUIT	CONDUIT SIZE 2½" ⚠1	CONDUIT SIZE 2½" ⚠2
#14	1	TRAFFIC SIGNALS	5	
	2		3	
	4		6	
	6		3	
	2	WALK/DONT WALK	2	
	6		2	
	2	PED PUSH BUTTON	1	
	6		1	
		INTERCONNECT	4	
		PUSH BUTTON COMMON	1	
#14		SPARES	3	
		TOTAL #14	32	
#10		SIGNAL COMMON	1	
DLC	1	LOOP DLC		1
	2			1
	4			1
MLC	6	MAGNETOMETER MLC		2
#4		SIGNAL SERVICE	2	
TOTAL CONDUCTORS/CABLES			35	5

DETECTOR ASSIGNMENTS			
DET. NO	PHASE	SLOT	FIELD TERMINAL CONNECTIONS
1	2	I 2 U	T 2 - 5 & 6
2	4	I 6 U	T 4 - 9 & 10
3	1	I 1 U	T 2 - 1 & 2
PPB	2	I 12 U	T 10 - 9
PPB	6	I 13 U	T 10 - 11

MLC NO.	PHASE	TERMINAL NO.	W	B	R	G	FUNCTION	CI COMM.
MG-1	6	MT-1	1	2	3	4	COUNT / EXT.	C-40
MG-2	6	MT-1	5	6	7	8	COUNT / EXT.	C-44

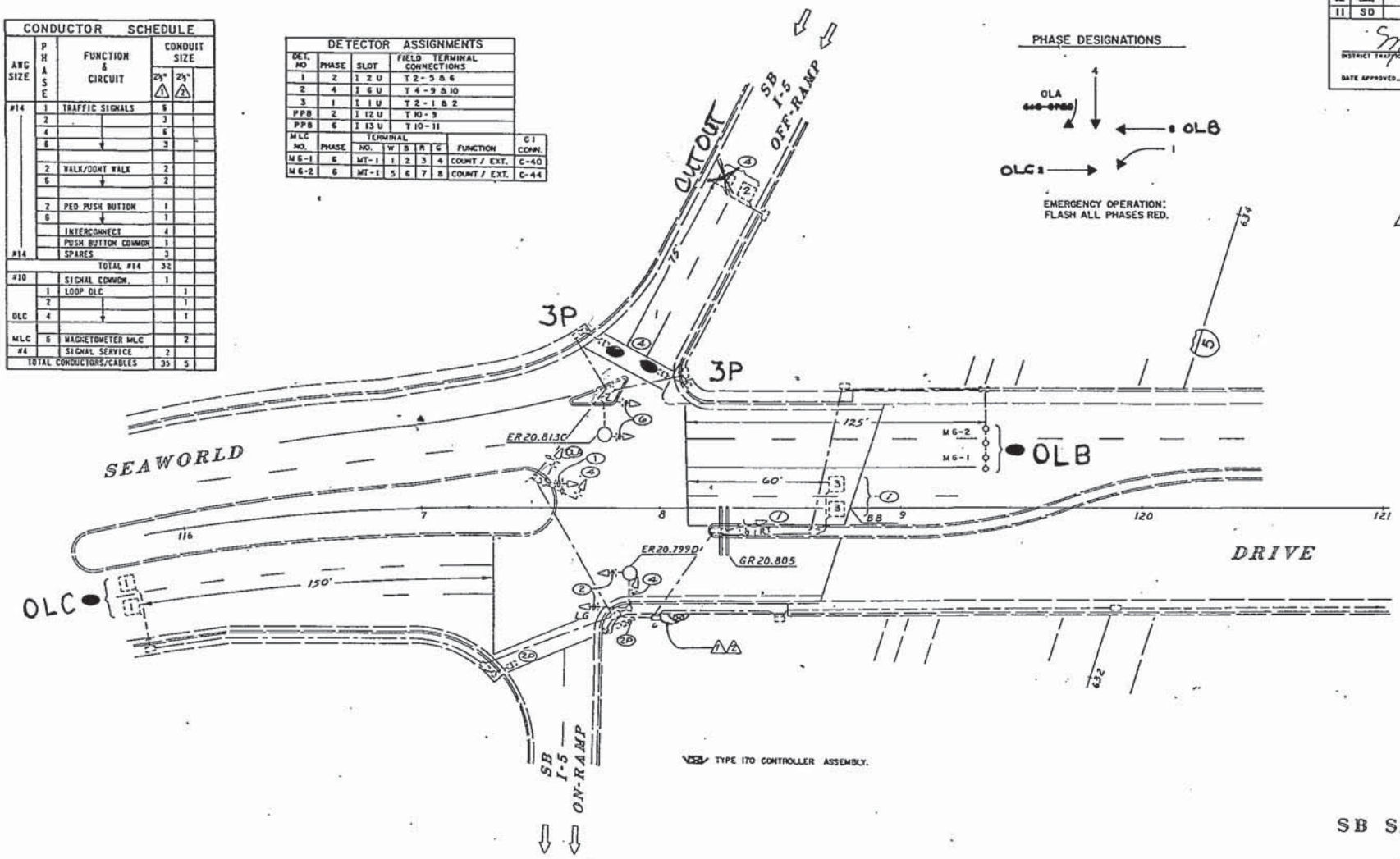
PHASE DESIGNATIONS

OLA

OLB

OLC

EMERGENCY OPERATION:
FLASH ALL PHASES RED.



Dist.	County	Route	Post Mile / Local Prefix	Sheet No.	Total Sheets
11	SD	5	R 21.0	2	15

DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER NO. 9361

DATE APPROVED

ROUTE 5
AT
SB SEAWORLD DR
IN
SAN DIEGO
SIGNAL

LOCATION - 1
EXIST: P20.817
SIGNAL NO. NEW: P20.819

0 20 40
SCALE IN FEET

SHEET E-2

Project Engineer	Date	Design Engineer	Date	Approved Recommended By	Date
D.A. Gilmour	8-77	M.A. Chase	8-77	R.B. Findley	8-77

CU 11359, WO 182821

Revised	Revised	Revised	Revised	Revised
				8-79

2 LOCATION: **RTE 5 NB / SEA WORLD DRIVE**

CALTRANS C8 Version 3 DATE: 2/11/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	1	19	7	1	1	CLK RST
1	DONT WALK	1	11	1	1	1	16	1	1	
2	MIN GREEN	1	10	1	5	5	14	1	5	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	0.9	2.0	0.9	1.0	2.0	2.0	0.9	1.0	
6	MAX GAP	0.9	2.0	0.9	1.0	3.0	2.0	0.9	1.0	
7	MIN GAP	0.9	2.0	0.9	1.0	1.0	2.0	0.9	1.0	
8	MAX EXT	9	30	9	25	30	30	9	15	
9	MAX 2									YR
A	MAX 3				40					MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.0	4.5	3.0	4.1	3.7	4.5	3.0	4.0	MIN
F	RED	1.0	1.5	1.0	1.0	1.0	1.5	1.0	1.0	SEC
	PED XING FT		40				55			
	BIKE XING FT		50				106			

	PRE-EMPTION E	
	EV SEL	0
	RR1 CLR	5
	EVA DLY	0
	EVA CLR	5
	EVB DLY	0
	EVB CLR	5
	EVC DLY	0
	EVC CLR	5
	EVD DLY	0
	EVD CLR	5
	MAX EV	255
	RR2 CLR	5

	F FLAGS	1	2	3	4	5	6	7	8	
	PERMIT	1	2	3	4	5	6	7	8	0
	RED LOCK				4	5				1
	YEL LOCK									2
	V RECALL		2				6			3
	P RECALL									4
	PED PHASES		2			5	6			5
	RT OLA									6
	RT OLB									7
	DBL ENTRY				4				8	8
	MAX 2 PHASES									9
	LAG PHASES	READ ONLY								A
	RED REST									B
	REST-IN-WALK									C
	MAX 3 PHASES				4					D
	YEL START UP		2				6			E
	FIRST PHASE				4					F
		1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 5 NB / SEA WORLD DRIVE**

CALTRANS C8 Version 3 DATE: 8/5/2003

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	60	75	100	100	100	100									LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR	0	0	0	0	0	0							GAPOUT CP1	1	LAG FZ CP 1		2		4	5			8	1
2														GAPOUT CP2	1	LAG FZ CP 2		2		4	5			8	2
3	FZ3 GRN FCTR	0	0	0	0	0	0							GAPOUT CP3	1	LAG FZ CP 3		2		4	5			8	3
4	FZ4 GRN FCTR	10	15	20	30	25	35				PERM TIME			GAPOUT CP4	0	LAG FZ CP 4		2		4	5			8	4
5	FZ5 GRN FCTR	20	25	35	30	40	25				LAG OFFSET			GAPOUT CP5		LAG FZ CP 5		2		4	5			8	5
6											FORCE OFF			GAPOUT CP6		LAG FZ CP 6		2		4	5			8	6
7	FZ7 GRN FCTR	0	0	0	0	0	0				LONG GRN			GAPOUT CP7		LAG FZ CP 7									7
8	FZ8 GRN FCTR	10	15	15	15	15	15				NO GREEN			GAPOUT CP8		LAG FZ CP 8									8
9	MULTI CYCLE	0	0	0	0	0	0							GAPOUT CP9		LAG FZ CP 9									9
A	OFFSET A	50	60	70	70	70	70				OFFSET					LAG C COORD									A
B	OFFSET B															LAG D COORD									B
C	OFFSET C															COORD FAZES		2				6			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRPT																								F
																	1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
RT5 NB RAMP

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		
2		1
3		
4		
5		
6		
7		
8		

COO = 2

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1				4	5				CP 1					5			
2	CP 2									CP 2				4	5				CP 2					5			
3	CP 3									CP 3				4	5				CP 3								
4	CP 4					5				CP 4				4					CP 4								
5	CP 5					5				CP 5									CP 5								
6	CP 6									CP 6				4					CP 6					5			
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED					5				8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
				ON/	S	M	T	W	T	F	S
	HR	MIN	ACT	OFF	1	2	3	4	5	6	7
0	06	00	3	X	1	2	3	4	5	6	7
1	19	00	3		1	2	3	4	5	6	7
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

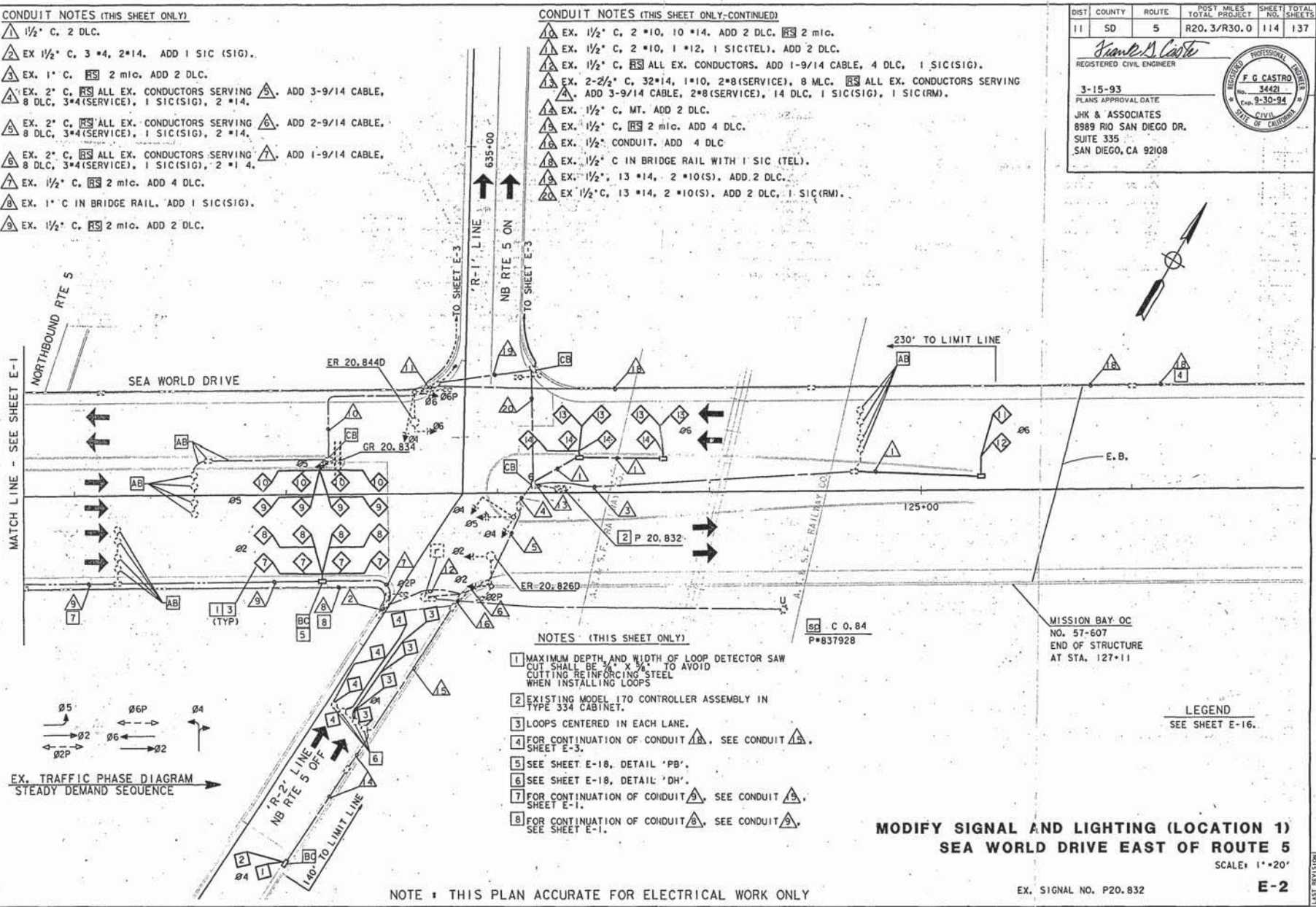
1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
					S	M	T	W	T	F	S
	HR	MIN	CP	OS	1	2	3	4	5	6	7
0	06	00	1	A		2	3	4	5	6	
1	07	00	2	A		2	3	4	5	6	
2	07	30	3	A		2	3	4	5	6	
3	08	00	2	A		2	3	4	5	6	
4	09	30	6	A		2	3	4	5	6	
5	15	30	4	A		2	3	4	5	6	
6	18	00	2	A		2	3	4	5	6	
7	18	30	E			2	3	4	5	6	
8	15	00	5		1						7
9	19	00	E		1						7
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
					S	M	T	W	T	F	S
	HR	MIN	CP	OS	1	2	3	4	5	6	7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											


CONDUIT NOTES (THIS SHEET ONLY)
1 1½" C. 2 DLC.
2 EX 1½" C. 3 #4, 2#14. ADD 1 SIC (SIG).
3 EX. 1" C. RS 2 mlc. ADD 2 DLC.
4 EX. 2" C. RS ALL EX. CONDUCTORS SERVING 5. ADD 3-9/14 CABLE, 8 DLC, 3#4(SERVICE), 1 SIC(SIG), 2 #14.
5 EX. 2" C. RS ALL EX. CONDUCTORS SERVING 6. ADD 2-9/14 CABLE, 8 DLC, 3#4(SERVICE), 1 SIC(SIG), 2 #14.
6 EX. 2" C. RS ALL EX. CONDUCTORS SERVING 7. ADD 1-9/14 CABLE, 8 DLC, 3#4(SERVICE), 1 SIC(SIG), 2 #14.
7 EX. 1½" C. RS 2 mlc. ADD 4 DLC.
8 EX. 1" C IN BRIDGE RAIL. ADD 1 SIC(SIG).
9 EX. 1½" C. RS 2 mlc. ADD 2 DLC.
CONDUIT NOTES (THIS SHEET ONLY-CONTINUED)
10 EX. 1½" C, 2 #10, 10 #14. ADD 2 DLC. RS 2 mlc.
11 EX. 1½" C, 2 #10, 1 #12, 1 SIC(TEL). ADD 2 DLC.
12 EX. 1½" C. RS ALL EX. CONDUCTORS. ADD 1-9/14 CABLE, 4 DLC, 1 SIC(SIG).
13 EX. 2-2½" C, 32#14, 1#10, 2#8(SERVICE), 8 MLC. RS ALL EX. CONDUCTORS SERVING 4. ADD 3-9/14 CABLE, 2#8(SERVICE), 14 DLC, 1 SIC(SIG), 1 SIC(RM).
14 EX. 1½" C. MT. ADD 2 DLC.
15 EX. 1½" C. RS 2 mlc. ADD 4 DLC.
16 EX. 1½" CONDUIT. ADD 4 DLC
17 EX. 1½" C IN BRIDGE RAIL WITH 1 SIC (TEL).
18 EX. 1½", 13 #14, 2 #10(S). ADD 2 DLC.
19 EX 1½"C, 13 #14, 2 #10(S). ADD 2 DLC, 1 SIC(RM).
DIST 11 | COUNTY SD | ROUTE 5 | POST MILES TOTAL PROJECT R20.3/R30.0 | SHEET NO. 114 | TOTAL SHEETS 137
REGISTERED CIVIL ENGINEER
3-15-93
PLANS APPROVAL DATE
F G CASTRO No. 34421 Exp. 9-30-94 CIVIL
JHK & ASSOCIATES
8989 RIO SAN DIEGO DR.
SUITE 335
SAN DIEGO, CA 92108
NORTHBOUND RTE 5
SEA WORLD DRIVE
MATCH LINE - SEE SHEET E-1
TO SHEET E-3
'R-1' LINE
NB RTE 5 ON
635+00
TO SHEET E-3
ER 20.844D
GR 20.834
230' TO LIMIT LINE
E.B.
125+00
P 20.832
ER-20.826D
A.T.&S.F. RAILWAY CO.
MISSION BAY OC
NO. 57-607
END OF STRUCTURE
AT STA. 127+11
SD C 0.84
P-837928
NOTES (THIS SHEET ONLY)
1 MAXIMUM DEPTH AND WIDTH OF LOOP DETECTOR SAW CUT SHALL BE ¾" X ¾" TO AVOID CUTTING REINFORCING STEEL WHEN INSTALLING LOOPS
2 EXISTING MODEL 170 CONTROLLER ASSEMBLY IN TYPE 334 CABINET.
3 LOOPS CENTERED IN EACH LANE.
4 FOR CONTINUATION OF CONDUIT 18, SEE CONDUIT 15, SHEET E-3.
5 SEE SHEET E-18, DETAIL 'PB'.
6 SEE SHEET E-18, DETAIL 'DH'.
7 FOR CONTINUATION OF CONDUIT 9, SEE CONDUIT 15, SHEET E-1.
8 FOR CONTINUATION OF CONDUIT 8, SEE CONDUIT 9, SEE SHEET E-1.
LEGEND
SEE SHEET E-16.
Ø5 Ø6P Ø4 Ø2 Ø6 Ø2 Ø2P
EX. TRAFFIC PHASE DIAGRAM
STEADY DEMAND SEQUENCE
'R-2' LINE
NB RTE 5 OFF
140' TO LIMIT LINE
NOTE : THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY
MODIFY SIGNAL AND LIGHTING (LOCATION 1)
SEA WORLD DRIVE EAST OF ROUTE 5
SCALE: 1"=20'
EX. SIGNAL NO. P20.832
E-2
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC ELECTRICAL
DESIGN OVERSIGH JESSIE CABUGAO
CALCULATED/DESIGNED BY FGC 2/93
CHECKED BY BCS 2/93
DATE REVISED
REVISED BY
LAST REVISION 02-18-93
FORM DC-OE-90-PF (REV. 3/88)
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3
CU 11205
EA 085971

Dist.	County	Route	Post Mile / Total Project	Sheet No.	Total Sheets
11	SD	5	R21.0	3	15

DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER No. 9351

DATE APPROVED

PHASE DESIGNATIONS

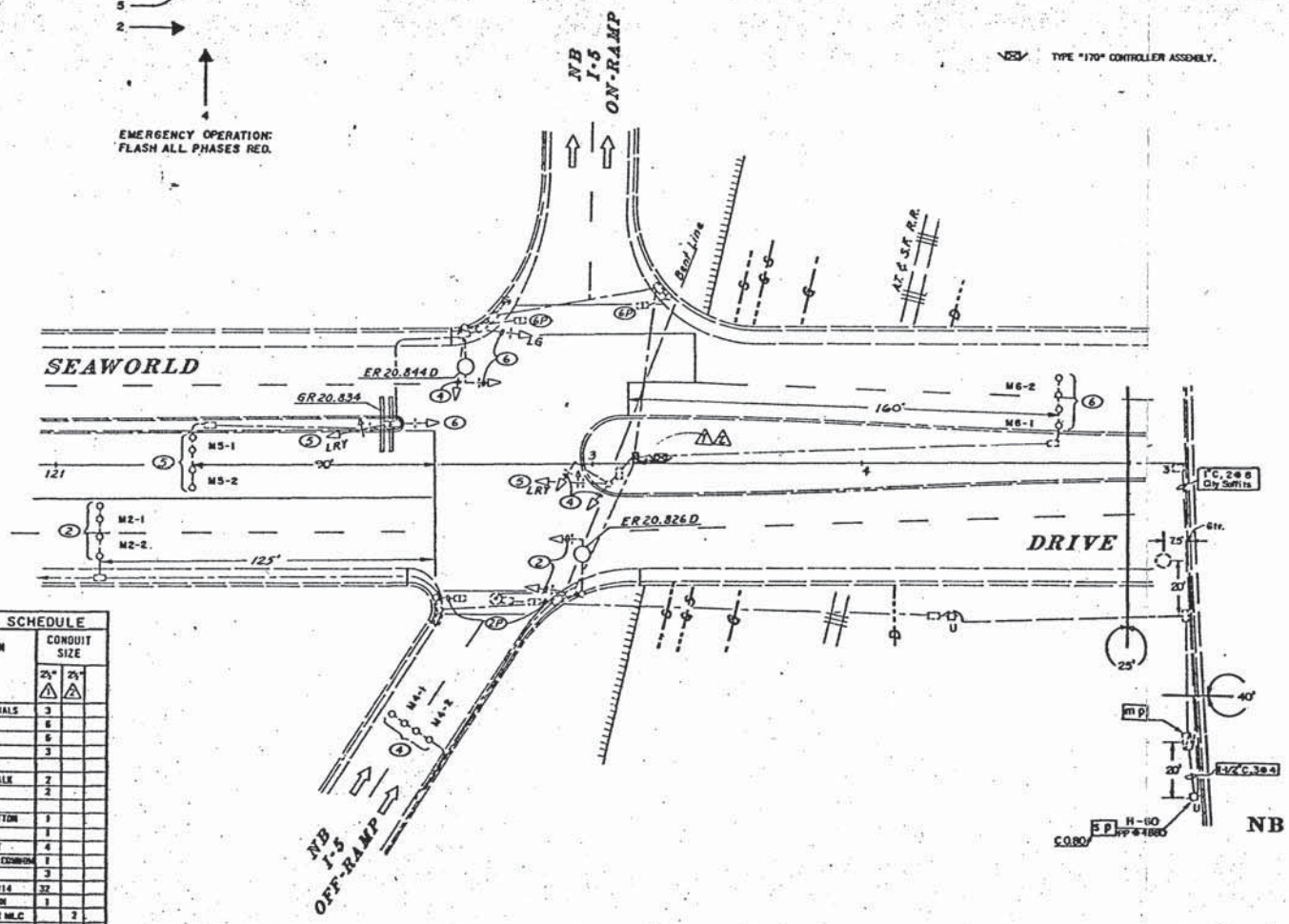
5 → 6

2 →

4

EMERGENCY OPERATION: FLASH ALL PHASES RED.

TYPE "170" CONTROLLER ASSEMBLY.



CONDUCTOR SCHEDULE

AWG SIZE	PHASE	FUNCTION & SIZE	CONDUIT SIZE 2½"	CONDUIT SIZE 2½"
#14	2	TRAFFIC SIGNALS	3	
	4		6	
	5		6	
	6		3	
	2	WALK/DONT WALK	2	
	6		2	
	2	PED PUSH BUTTON	1	
	6		1	
		INTERCONNECT	4	
		PUSH BUTTON COMMON	1	
#14		SPARES	3	
		TOTAL #14	32	
#10		SIGNAL COMMON	1	
	2	MAGNETOMETER WIRE		2
	4			2
	5			2
	6			2
WIRE				
#8		SIGNAL SERVICE	2	
TOTAL CONDUCTORS/CABLES			35	8

ROUTE 5 AT NB SEAWORLD DR IN SAN DIEGO SIGNAL

LOCATION - 2

EXIST: P20.834

SIGNAL NO. NEW: P20.832

SCALE IN FEET 0 20 40

SHEET E-3

Project Engineer	Date	Design Engineer	Date	Approved Recommended By	Date
D. A. Gilmour	8-77	M. A. Chase	8-77	R. B. Findley	8-77

CU 11359 WO 182821

3

LOCATION: **RTE 805 SB @ MURRAY RIDGE ROAD**

CALTRANS C8 Version 3 DATE: 2/26/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	1	1	7	1	1	CLK RST
1	DONT WALK	1	15	1	1	1	12	1	1	
2	MIN GREEN	5	12	1	5	1	11	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	2.0	2.0	0.9	2.0	0.9	2.0	0.9	0.9	
6	MAX GAP	2.0	2.0	0.9	2.0	0.9	2.0	0.9	0.9	
7	MIN GAP	2.0	2.0	0.9	2.0	0.9	2.0	0.9	0.9	
8	MAX EXT	35	5	9	25	9	40	9	9	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.7	4.8	3.0	4.5	3.0	4.8	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT		53				42			
	PED XING FT		81				58			

PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
EV SEL	0	PERMIT	1	2	3	4	5	6	7	8	0
RR1 CLR	5	RED LOCK		2		4					1
EVA DLY	0	YEL LOCK									2
EVA CLR	5	V RECALL						6			3
EVB DLY	0	P RECALL									4
EVB CLR	5	PED PHASES		2				6			5
EVC DLY	0	RT OLA									6
EVC CLR	5	RT OLB									7
EVD DLY	0	DBL ENTRY									8
EVD CLR	5	MAX 2 PHASES									9
MAX EV	255	LAG PHASES	READ ONLY								A
RR2 CLR	5	RED REST									B
		REST-IN-WALK									C
		MAX 3 PHASES									D
		YEL START UP		2				6			E
		FIRST PHASE				4					F
			1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FD0 TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY ▨

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 805 SB @ MURRAY RIDGE ROAD**

CALTRANS C8 Version 3 DATE: 3/12/2009

D PAGE

	D MAX	FLAGS 1	2	3	4	5	6	7	8	E MIN	FLAGS 1	2	3	4	5	6	7	8	F PED	FLAGS 1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E FUNCTION	FLAGS 1	2	3	4	5	6	7	8	F FUNCTION	FLAGS 1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES

(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES

(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 805 SB @ MURRAY RIDGE ROAD**

CALTRANS C8 Version 3 DATE: 3/12/2009

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

POLE SCHEDULE

NO.	STANDARD TYPE	HGT.	SIG. M. A.	LUM. M. A.	LUMINAIRE HPS	PLACEMENT A	PLACEMENT B	SIGNAL MOUNTING VEHICLE		PEDESTRIAN SIGNAL	PEDESTRIAN PPB	REMARKS
(A)	24-4-[illegible]	30'	35'	15'	200W	5'	4'	1-MAST 1-MAS	SV-2-TD	SP-1-T	GID GID GID	PEU
(B)	15[illegible]	30'	-	15'	200W	-3'	4'	-	-	SP-1-T	GID GID GID	-
(C)	17-2-100	30'	15'	15'	200W	12'	4'	1-MAS	SV-2-TD	SP-1-T	GID GID GID	-
(D)	17-2-100	30'	15'	15'	200W	9'	4'	1-MAS	SV-1-T SV-2-TD	SP-1-T	GID GID GID	8

CONSTRUCTION NOTES

1. THE CONTROLLER ASSEMBLY WILL BE STATE-FURNISHED ALONG WITH A BATTERY BACK UP SYSTEM (BBS). THE CONTRACTOR WILL BE REQUIRED TO INSTALL THE CONTROLLER ASSEMBLY ON FOUNDATION. IN ADDITION TO THE 252 DISCRIMINATOR CARD THE CONTRACTOR SHALL FURNISH AND INSTALL VIDEO DETECTION UNITS (VDU), A FLAT PANEL DISPLAY, BATTERIES FOR THE BATTERY BACK UP SYSTEM AND ONE SERIAL TO ETHERNET CONVERTER UNIT (SECU). SEE SPECIAL PROVISIONS FOR EQUIPMENT.
2. FURNISH AND INSTALL TYPE III-BF SERVICE EQUIPMENT. CONSTRUCTION DETAILS
3. INSTALL EMERGENCY VEHICLE DETECTOR (EVD) PER CALTRANS STANDARD PLANS ES-4E.
4. FURNISH AND INSTALL R3-4, R3-18 AND R61-7(CA) SIGNS PER CALTRANS STANDARD PLANS ES-7N.
5. FURNISH AND INSTALL R9-3a SIGN ON SIGNAL POLE. (STRAP AND SADDLE).
6. FURNISH AND INSTALL VIDEO IMAGE SENSOR (VIS) AS SHOWN. SEE SPECIAL PROVISION.
7. CONTRACTOR SHALL VERIFY SERVICE LOCATION AN REQUIREMENT WITH SAN DIEGO GAS AND ELECTRIC CO.
8. PLACE PHASE 2 SIGNAL HEAD 17' ABOVE BASE PLAT.
9. EXISTING RAMP METER CONTROLLER. CONTRACTOR SHALL PLACE A TERMINAL STRIP IN EXISTING RAMP METER CONTROLLER CABINET TO LAND ALL THREE OCC'S. FURNISH AND INSTALL ONE ETHERNET SWITCH IN THE EXISTING RAMP METER CONTROLLER CABINET. SEE CONSTRUCTION DETAILS
10. FOR LOOP DETECTOR INSTALLATION ON EXISTING BRIDGE DECK SEE DETAIL "A".
11. NEW TYPE 15 ELECTROLIER.
12. EXISTING CONDUIT TO BE REMAIN FOR CONDUCTORS SEE CONDUIT NOTES RUN 17.
13. EXISTING CONDUIT TO BE REMAIN, REMOVE ALL CONDUCTORS.

CONDUIT NOTES

6. 2"C, [illegible]ITING), 3#14 (PEU), 2#8 (RAMP METER POWER).
7. 2"C, 2#8 (SIGNAL).
8. 2"C, PER SDG&E REQUIREMENTS.
9. 2"C, 2DLC.
10. 2"C, 1DLC.
11. 2"C, 3-4 PAIR OUTDOOR CATEGORY 5E CABLE (OCC).
12. 2"C, 2#8 (RAMP METER POWER).
13. EXISTING 1 1/2"C, 2#8 (RAMP METER POWER), 2#8c.
14. EXISTING 1 1/2"C, 1#8c.
15. EXISTING 1 1/2"C, 2#8 (RAMP METER POWER), 2#8 (1g), 2#8c. REMOVE 4#8.
16. EXISTING 1 1/2"C, 2#8 (1g)
17. EXISTING 1 1/2"C, 2#8 (RAMP METER POWER), 2#8 (1g). REMOVE CONDUCTORS AND INSTALL 1DLC.
18. EXISTING 1"C, 2#8c.
19. EXISTING CONDUIT PER SDG&E.

CONDUCTOR SCHEDULE

COND SIZE THW	CONDUIT RUN	1	2	3	4	5
	CONDUIT SIZE	3"	3"	4"	3"	2-3
#8	LOCATION (A)	-	-	-	-	2
	LOCATION (B)	-	-	-	1	1
	LOCATION (C)	1	1	1	-	1
	LOCATION (D)	-	1	1	-	1
		-	-	-	-	-
		-	-	-	-	-
	TOTAL	1	2	3	1	5
VIDEO HARNESS	VIDEO CAMERA #1	1	-	1	-	1
	VIDEO CAMERA #2	-	1	1	-	1
	VIDEO CAMERA #3	-	-	-	-	1
	TOTAL	1	1	2	-	3
DLC TYPE II	LOOP DLC #2	-	2	2	-	2
	LOOP DLC #4	-	-	-	-	1
	LOOP DLC #6	-	-	-	2	2
	TOTAL DLC	-	2	2	2	5
	EVC	1	1	2	-	3
#6	LIGHTING	-	2	2	2	-
	GROUND	1	1	1	1	1
	RAMP METRER	-	-	2	-	-
#10	VIDEO SERVICE	-	-	-	-	-
#14	PEU	-	-	-	-	-
	TDC	-	-	-	-	-
INTERCONNECT CABLE (SIC)		-	-	-	-	-

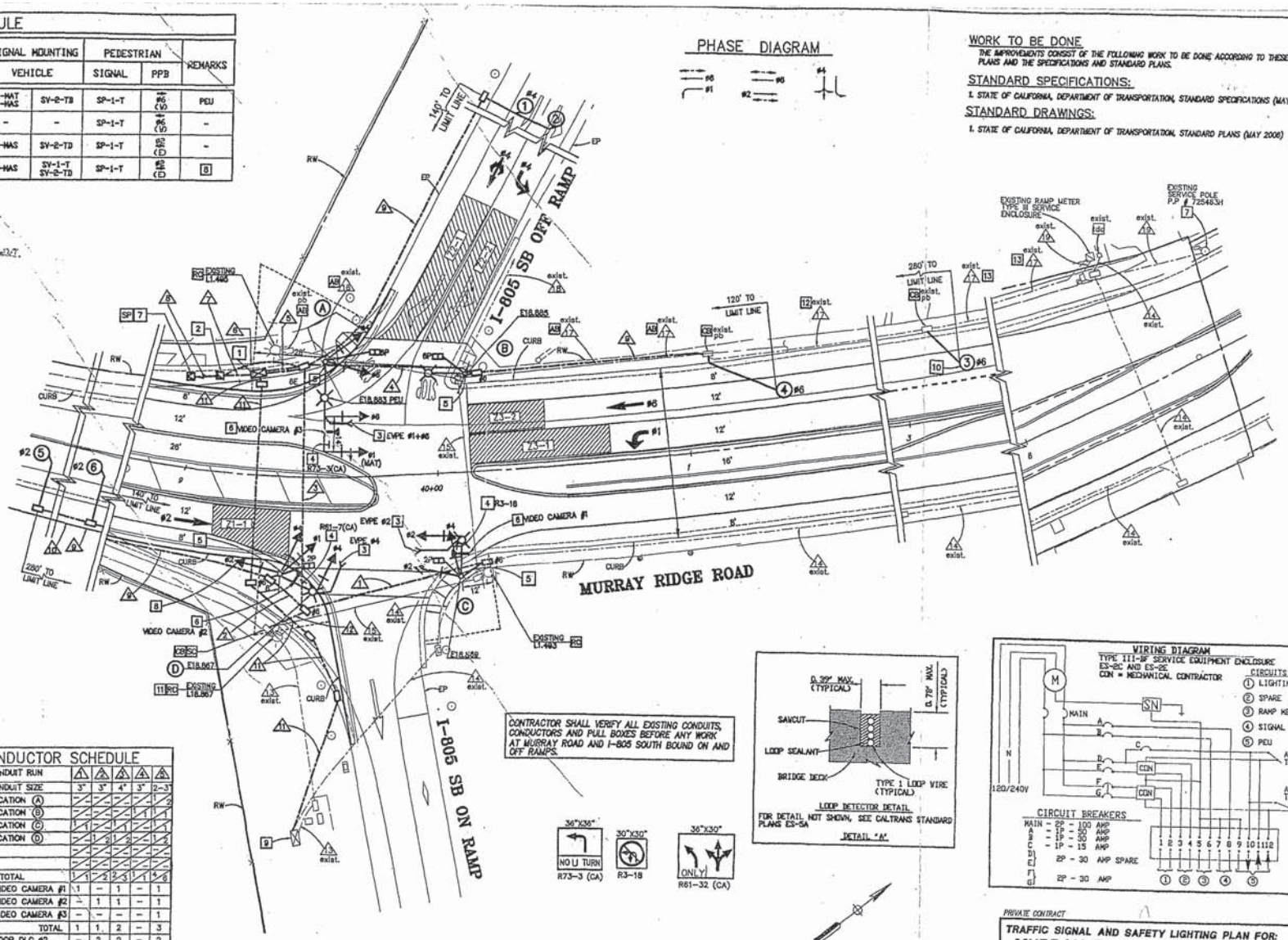
CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

UNAUTHORIZED CHANGES & USES

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

PLAN SHEET ACCURATE FOR ELECTRICAL WORK ONLY

PHASE DIAGRAM



CONTRACTOR SHALL VERIFY ALL EXISTING CONDUITS, CONDUCTORS AND PULL BOXES BEFORE ANY WORK AT MURRAY ROAD AND I-805 SOUTH BOUND ON AND OFF RAMPS.

LOOP DETECTOR DETAIL

FOR DETAIL NOT SHOWN, SEE CALTRANS STANDARD PLANS ES-5A

DETAIL "A"

PRELIMINARY PLANS
NOT FOR BID OR CONSTRUCTION
PLANS NOT APPROVED

BASE PROVIDED BY: STUART ENGINEERING
TRAFFIC SIGNAL PLAN BY:
URBAN SYSTEMS ASSOCIATES, INC.
4340 VIEWRIDGE AVENUE, SUITE 150, SAN DIEGO, CA 92123, (858) 560-5911
©
ANDREW P. SCHLAEFLI - R.C.E. #15964 DATE

PRIVATE CONTRACT

TRAFFIC SIGNAL AND SAFETY LIGHTING PLAN FOR:
MURRAY RIDGE ROAD AND I-805 SB ON/OFF RAMPS
SIGNAL NO. P18.875

CITY OF SAN DIEGO, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT
SHEET 2 OF 42 SHEETS

W.O. NO. 427506
P.T.S NO. 124604

FOR CITY ENGINEER _____ DATE _____

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	USAI			
AS-BUILTS				

V.T.M. _____

1862-6281 NAD83 COORDINATES

222-1721 LAMBERT COORDINATES

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

34456-12-D

ISSUE 2 ADDITIONAL INFORMATION POST ITEM

4 LOCATION: **RTE 805 NB @ MURRAY RIDGE ROAD**

CALTRANS C8 Version 3 DATE: 2/26/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	1	1	7	1	7	CLK RST
1	DONT WALK	1	15	1	1	1	29	1	37	
2	MIN GREEN	5	11	1	1	5	17	1	5	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	0.9	2.0	0.9	0.9	2.0	2.0	0.9	2.0	
6	MAX GAP	0.9	2.0	0.9	0.9	2.0	2.0	0.9	2.0	
7	MIN GAP	0.9	2.0	0.9	0.9	2.0	2.0	0.9	2.0	
8	MAX EXT	9	35	9	9	30	35	9	40	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.0	4.8	3.0	3.0	3.7	4.8	3.0	4.1	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT		54				100		130	
	PED XING FT		64				157			

	PRE-EMPTION E	
	EV SEL	0
	RR1 CLR	5
	EVA DLY	0
	EVA CLR	5
	EVB DLY	0
	EVB CLR	5
	EVC DLY	0
	EVC CLR	5
	EVD DLY	0
	EVD CLR	5
	MAX EV	255
	RR2 CLR	5

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2	3	4	5	6	7	8	0
RED LOCK									1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2				6		8	5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES									9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE								8	F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 805 NB @ MURRAY RIDGE ROAD**

CALTRANS C8 Version 3 DATE: 6/5/2012 PAGE 2

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

LOCATION: **RTE 805 NB @ MURRAY RIDGE ROAD**

CALTRANS C8 Version 3 DATE: 6/5/2012

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

EQUIPMENT AND POLE SCHEDULE

LOC	STANDARDS TYPE	STANDARDS SMS	STANDARDS LMA	PLACEMENT DIMENSIONS A	PLACEMENT DIMENSIONS B	SIGNAL MOUNTING AND PLACEMENT VEHICLE POLE	VEHICLE MAST ARM	PEDESTRIAN SIGNAL	PEDESTRIAN PED	LUMINAIRE	REMARKS
A	15TS	-	18'	4.5'	4'	SV-1-T	-	SP-1-T	2@2	200W HPS	
B	13-2-100	25'	15'	3'	4'	SV-1-T	MAS(28)	-	-	200W HPS	3 4 5
C	18-2-100	25'	-	8.5'	4'	SV-1-T	MAS(28)	SP-1-T	1@2	-	3 4 5 7
D	15TS	-	15'	-29'	4'	SV-2-T	-	SP-2-T	1@2 1@3	200W HPS	
E	26-2-100	45'	15'	12'	4'	SV-2-T	MAT(25) MAS(32)	SP-2-T	2@2 1@3	200W HPS	3 4 5

CONDUIT AND CONDUCTOR SCHEDULE

AWG SIZE OR CABLE TYPE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE AND RUN 3" /1	4" /2	2" /3	4" /4	4" /5	2-4" /6	3" /7	3" /8	2-3" /9
3 C8C / 12 C8C		POLE - A	-	-	-	-	-	-	-	-	1
		B	-	-	-	-	-	-	-	-	1
		C	-	-	1	-	-	-	-	-	1
		D	-	-	-	18	5	1	-	-	1
		E	-	-	-	-	5	1	-	-	1
TOTAL 3 C8C / 12 C8C			-	-	1	3	5	1	-	-	4
VIDEO CABLE HARNESS	2/#8	CAMERA #1	-	-	-	-	-	-	1	-	1
	6	CAMERA #2	1	1	1	1	-	1	-	-	1
	8	CAMERA #3	-	1	1	1	-	1	-	-	1
*10		FLASHING BEACON	-	-	-	-	-	-	-	-	-
*10		SAFETY LIGHTING	2	2	2	2	2	2	2	2	2
*8		IRRIGATION	2	2	-	-	-	-	-	-	-
*6		SIGNAL	-	-	2	2	-	2	-	-	2
TYPE E DLC	2/#8	LOOP DLC	-	-	-	-	-	-	-	-	2
	8	LOOP DLC	-	-	-	-	-	-	-	-	1
	8	LOOP DLC	-	-	-	-	1	-	-	-	1
EVPE CABLE	(EVC)		1	2	2	2	1	3	-	-	3
SIC	TEL IC		-	-	-	-	-	-	-	-	1
	CONTROLLER IC		-	-	-	-	-	-	-	-	1
QCC (CATEGORY 5E CABLE)			-	-	-	-	-	-	-	-	1
TOTAL CONDUCTORS/CABLES			7	8	14	18	8	23	4	5	29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	805	18.9/19.0	17	18

REGISTERED CIVIL ENGINEER — DATE 29OCT10

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

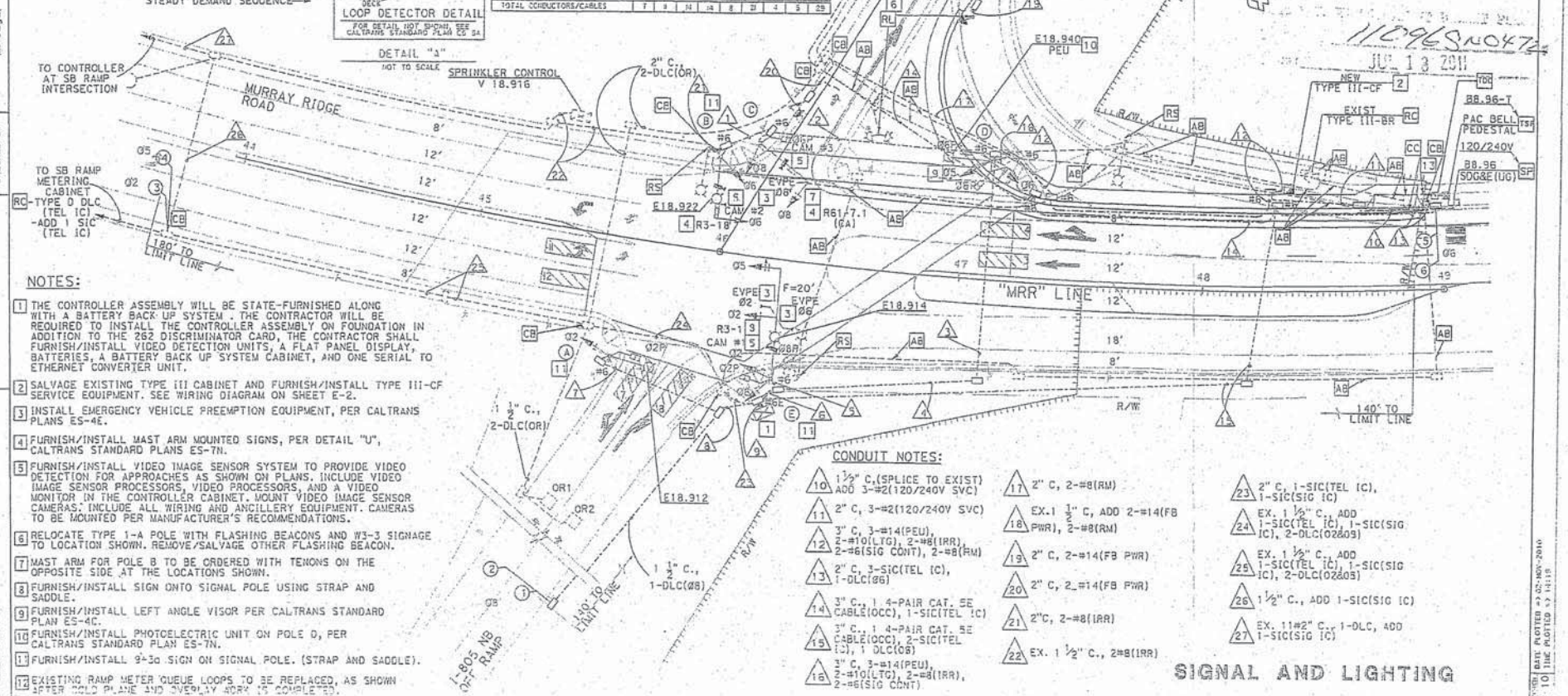
REGISTERED PROFESSIONAL ENGINEER — EDGAR A. CAMERINO — No. 58844 — Exp. 6-30-11 — CIVIL — STATE OF CALIFORNIA

RICK ENGINEERING COMPANY
5620 FRIARS RD
SAN DIEGO, CA 92110
(619) 291-0707

TRAFFIC PHASE DIAGRAM
STEADY DEMAND SEQUENCE

LOOP DETECTOR DETAIL
FOR DETAIL NOT SHOWN, SEE CALTRANS STANDARD PLAN ES 5A

DETAIL "A"
NOT TO SCALE



NOTES:

1. THE CONTROLLER ASSEMBLY WILL BE STATE-FURNISHED ALONG WITH A BATTERY BACK UP SYSTEM. THE CONTRACTOR WILL BE REQUIRED TO INSTALL THE CONTROLLER ASSEMBLY ON FOUNDATION IN ADDITION TO THE 2&2 DISCRIMINATOR CARD, THE CONTRACTOR SHALL FURNISH/INSTALL VIDEO DETECTION UNITS, A FLAT PANEL DISPLAY, BATTERIES, A BATTERY BACK UP SYSTEM CABINET, AND ONE SERIAL TO ETHERNET CONVERTER UNIT.
2. SALVAGE EXISTING TYPE III CABINET AND FURNISH/INSTALL TYPE III-CF SERVICE EQUIPMENT. SEE WIRING DIAGRAM ON SHEET E-2.
3. INSTALL EMERGENCY VEHICLE PREEMPTION EQUIPMENT, PER CALTRANS PLANS ES-4E.
4. FURNISH/INSTALL MAST ARM MOUNTED SIGNS, PER DETAIL "U", CALTRANS STANDARD PLANS ES-7N.
5. FURNISH/INSTALL VIDEO IMAGE SENSOR SYSTEM TO PROVIDE VIDEO DETECTION FOR APPROACHES AS SHOWN ON PLANS. INCLUDE VIDEO IMAGE SENSOR PROCESSORS, VIDEO PROCESSORS, AND A VIDEO MONITOR IN THE CONTROLLER CABINET. MOUNT VIDEO IMAGE SENSOR CAMERAS. INCLUDE ALL WIRING AND ANCILLERY EQUIPMENT. CAMERAS TO BE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS.
6. RELOCATE TYPE 1-A POLE WITH FLASHING BEACONS AND W3-3 SIGNAGE TO LOCATION SHOWN. REMOVE/SALVAGE OTHER FLASHING BEACON.
7. MAST ARM FOR POLE B TO BE ORDERED WITH TENONS ON THE OPPOSITE SIDE AT THE LOCATIONS SHOWN.
8. FURNISH/INSTALL SIGN ONTO SIGNAL POLE USING STRAP AND SADDLE.
9. FURNISH/INSTALL LEFT ANGLE VISOR PER CALTRANS STANDARD PLAN ES-4C.
10. FURNISH/INSTALL PHOTOELECTRIC UNIT ON POLE D, PER CALTRANS STANDARD PLAN ES-7N.
11. FURNISH/INSTALL 9"x3o SIGN ON SIGNAL POLE. (STRAP AND SADDLE).
12. EXISTING RAMP METER QUEUE LOOPS TO BE REPLACED, AS SHOWN AFTER COLD PLANE AND OVERLAY WORK IS COMPLETED.
13. ADJUST PULL BOXES TO GRADE.

CONDUIT NOTES:

10. 1½" C.(SPLICE TO EXIST) ADD 3-#2(120/240V SVC)
11. 2" C, 3-#2(120/240V SVC)
12. 3" C, 3-#14(PEU), 2-#10(LTG), 2-#8(IRR), 2-#6(SIG CONT), 2-#8(RM)
13. 2" C, 3-SIC(TEL IC), 1-DLC(Ø6)
14. 3" C., 1 4-PAIR CAT. 5E CABLE(OCC), 1-SIC(TEL IC)
15. 3" C., 1 4-PAIR CAT. 5E CABLE(OCC), 2-SIC(TEL IC), 1 DLC(Ø8)
16. 3" C, 3-#14(PEU), 2-#10(LTG), 2-#8(IRR), 2-#6(SIG CONT)
17. 2" C, 2-#8(RM)
18. EX.1 1½" C, ADD 2-#14(FB PWR), 2-#8(RM)
19. 2" C, 2-#14(FB PWR)
20. 2" C, 2_#14(FB PWR)
21. 2"C, 2-#8(IRR)
22. EX. 1 ½" C., 2#8(IRR)
23. 2" C, 1-SIC(TEL IC), 1-SIC(SIG IC)
24. EX. 1 ½" C., ADD 1-SIC(TEL IC), 1-SIC(SIG IC), 2-DLC(02&03)
25. EX. 1 ½" C., ADD 1-SIC(TEL IC), 1-SIC(SIG IC), 2-DLC(02&03)
26. 1½" C., ADD 1-SIC(SIG IC)
27. EX. 11#2" C., 1-DLC, ADD 1-SIC(SIG IC)

SIGNAL AND LIGHTING

E-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — CONSULTANT FUNCTIONAL SUPERVISOR: E. Camerino — CALCULATED-DESIGNED BY: J. Cruz — CHECKED BY: M. Jugar — REVISED BY — DATE REVISED

BAR PLOTTED = 02-NOV-2010
10-29 10 TIME PLOTTED = 14:18

11C96 SN0472
JUL 13 2011

5

Mission Valley Rd @ Mission Center Rd — 223 Program

Group Assignment:
Field Master Assignment:
N/S Street Name: Mission Ce[illegible]
E/W Street Name: Civita Blvd. [illegible]n Valley Rd
Last Database Change:
System Ref. Number:

	Mission Center	Mission Valley	Mission Center	Civita
Column # --->	Phase			
Phase # --->	1	2	3	4	5	6	7	8
Row	↳	↑	⌜	→	↰	↓	↱	←
0 Ped Walk		7				7		7
1 Ped FDW		21				20		21
2 Min Green	4	10	4	4	4	10	4	4
3 Type 3 Limit								
4 Add/Veh								
5 Veh Extn	2.0	3.8	3.0	5.6	2.0	6.1	2.0	5.4
6 Max Gap	2.0	3.8	3.0	5.6	2.0	6.1	2.0	5.4
7 Min Gap	2.0	0.2	3.0	0.2	2.0	0.2	2.0	0.2
8 Max Limit	30	60	15	40	30	60	30	15
9 Max Limit 2								
A Bus Adv								
B Call to Phs								
C Reduce By		0.1		0.1		0.1		0.1
D Every		0.8		0.6		0.5		0.6
E Yellow	3.4	4.3	3.4	3.9	3.4	4.3	3.4	3.9
F Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1 <F Page>
F + Phase + Row

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	0
EV-B Clear	0
EV-C Delay	0
EV-C Clear	0
EV-D Delay	0
EV-D Clear	0
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	12345678
Red Lock	
Yellow Lock	
Min Recall	
Ped Recall	
Peds (View)	_2___6_8
Rest In Walk	
Red Rest	
Dbl Entry	
Max Recall	
Soft Recall	_2___6__
Max 2	
Cond Serv	
Ped Lock	12345678
Yellow Start	_2___6__
1st Phases	__3___7_

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	8
Zone Number	8
Area Number	4
Area Address	72
QuicNet Channel	COM89

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A			
Overlap B	B			
Overlap C	C			
Overlap D	D			

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234_

Disable Communication Ports
D + D + 9

Manual Plan	0
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Timing Sheet By: KT
Approved By: FLG
Drawing Number: 35450-37-D
Timing Implemented On:

Row	Time	Function	Day of Week	Column F Phases/Bits
0	:			
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		1.8
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		1.8
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

TERSECTION: Civita Blvd/Mission Valley Rd @ Mis Center Rd — 223 Program

Coordination Timing By: KT
Implemented On:

		Plan								
	Column # --->	1	2	3	4	5	6	7	8	9
Row	Plan Name --->	AM	MID	PM						
0	Cycle Length	104	102	108						
1	Phase 1 - ForceOff	84	83	88						
2	Phase 2 - ForceOff	24	20	17						
3	Phase 3 - ForceOff	41	37	35						
4	Phase 4 - ForceOff	71	69	75						
5	Phase 5 - ForceOff	24	20	17						
6	Phase 6 - ForceOff	0	0	0						
7	Phase 7 - ForceOff	38	36	42						
8	Phase 8 - ForceOff	71	69	75						
9	Ring Offset									
A	Offset A	103	44	9						
B	Offset B									
C	Offset C									
D	Permissive	24	20	17						
E	Hold Release	255	255	255						
F	Ped Shift	0	0	0						

Coordination <C Page>

C + Plan + ROW

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	11 : 30	2	A	_23456_
1	13 : 30	E	A	_23456_
2	15 : 00	3	A	_23456_
3	17 : 30	E	A	1234567
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E
Plan 1	6
Plan 2	6
Plan 3	6
Plan 4	
Plan 5	
Plan 6	
Plan 7	
Plan 8	
Plan 9	
Coord Ped*	
NEMA Hold	

Sync Phases

C + E + FUNCTION #

Row		F
0	Free Lag	_2_4_6_8
1	Plan 1 - Lag	_2_45__8
2	Plan 2 - Lag	_2_45__8
3	Plan 3 - Lag	_2_45__8
4	Plan 4 - Lag	
5	Plan 5 - Lag	
6	Plan 6 - Lag	
7	Plan 7 - Lag	
8	Plan 8 - Lag	
9	Plan 9 - Lag	
A	Coord Max *	
B	Coord Lag *	
C		
D		
E		
F		

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Transition Type
0 = Shortway
Non-zero = Lengthen

6

INTERSECTION: MISSION CENTER RD & MISSION CENTER DY/WESTSIDE DR

233 Program

Group Assignment:
Field Master Assignment:
System Reference Number:

N/S Street: Mission Center Rd
E/W Street: Mission Center Dy/Westside Dr

Timing sheets by: KT
Approved by: FLG
Timing implemented on:
Drawing Number: 35450-36-D

Mss Ctr | Westside | Mss Ctr Dy | Mss Ctr

Row	Phase Numbers---->	1	2	3	4	5	6	7	8
0	Ped Walk		7	7			7		
1	Ped FDW		8	24			12		
2	Min Green	4	7	4	4	4	7		
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension	2.0	3.9	3.8	2.0	2.0	4.5		
6	Max Gap	2.0	3.9	3.8	2.0	2.0	4.5		
7	Min Gap	2.0	0.2	0.2	2.0	2.0	0.2		
8	Max Limit	30	60	40	40	30	60		
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every		0.8	0.8			0.7		
E	Yellow Change	3.4	4.3	3.9	3.9	3.4	4.5		
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0		

Phase Timing - Bank 1 <F/1+Phase+Row>

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	0
3	EV-A Clear	0
4	EV-B Delay	0
5	EV-B Clear	0
6	EV-C Delay	0
7	EV-C Clear	0
8	EV-D Delay	0
9	EV-D Clear	0
A	RR-2 Delay	
B	RR-2 Clear	
C	*View EV Delay*	- - -
D	*View EV Clear*	- - -
E	*View RR Delay*	- - -
F	*View RR Clear*	- - -

Preempt Timing <F/1+E+Row>

Row		F
0	Permit	123456
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	*View Set Peds*	23 6
6	Rest In Walk	
7	Red Rest	
8	Double Entry	
9	Max Recall	
A	Soft Recall	2 6
B	Max 2	
C	Cond. Service	
D	Man Cntrl Calls	
E	Yellow Start	2 6
F	First Phases	4

Phase Functions <F/1+F+Row>

Current Calculated Cycle Length: C/0 + B + F

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <F/1+Column+Phase>

Drop Number	7	<C/0+0+0>
Zone Number	7	<C/0+0+1>
Area Number	4	<C/0+0+2>
Area Address	71	<C/0+0+3>
QuicNet Channel	COM8	(QuicNet)

Communication Addresses

Flash Start	0	<F/1+0+E>
Red Revert	5.0	<F/1+0+F>
All Red Start	0.0	<F/1+C+0>

Start / Revert Times

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

(Outputs specified in Assignable Outputs at E/127+A+E & F)

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase

Manual Plan	0	<C/0+A+1>
Manual Offset	0	<C/0+B+1>

Manual Selection

Free Lag	2 4 6	<C/1+F+0>

How to Set Page Access Code:
F/1 – C + 0 + F = 1

Notes:

Row		Overlap 1	2	3	4	5	6	7	8
0	Load Switch Number								
1	Veh Set 1 - Phases								
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases								
5	Neg Ped Phases								
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear								
E	Yellow Change								
F	Red Clear								

Overlap Assignments <E/29+Column+Row>

	F	Row
Fast Green Flash Phase		0
Green Flash Phases		1
Flashing Walk Phases		2
Guaranteed Passage		3
Simultaneous Gap Term	12345678	4
Sequential Timing		5
Advance Walk Phases		6
Delay Walk Phases		7
External Recall		8
Start-up Overlap Green		9
Max Extension		A
Inhibit Ped Reservice		B
Semi-Actuated		C
Start-up Overlap Yellow		D
Start-up Vehicle Calls	12345678	E
Start-up Ped Calls	12345678	F

Specials <F/2+F+Row>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	3
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration <E/125+E+Row>

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	2
Ped for 6P Output	6
Ped for 4P Output	
Ped for 8P Output	3
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	3

Configuration <E/125+F+Row>

	C	Row
EV-A		0
EV-B		1
EV-C		2
EV-D		3
RR-1 *	---	4
RR-2 *	---	5
SE-1	0	6
SE-2	0	7
		8
		9
		A
		B
		C
		D
		E
		F

<E/125+C+Row>

Preemption Priority

(* RR-1 is always Highest, and RR-2 is always Second Highest)

	2	Row
		0
Phase 1	0	1
Phase 2	0	2
Phase 3	0	3
Phase 4	0	4
Phase 5	0	5
Phase 6	0	6
Phase 7	0	7
Phase 8	0	8
		9
		A
		B
		C
		D
		E
		F

<C/5+2+Row>

Coordination Transition Minimums

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Time and Date

Begin Month	0	<C/5+2+A>
Begin Week	0	<C/5+2+B>
End Month	0	<C/5+2+C>
End Week	0	<C/5+2+D>

Daylight Savings Time

Daylight Savings Date:
If set to all zeros, standard dates will be used.

INTERSECTION: MISSION CENTER RD & MSSION CENTER DY/WESTSIDE DR

233 Program

Row	Detector Name	0 C1 Pin Number	1 Attributes	2 Phase(s)	3 Assign	1 Delay	3 Carry-Over
0	2I2U	39					1.8
1	6J2U	40					1.8
2	4I6U	41				10.0	
3		42					
4	2I2L	43					1.8
5	6J2L	44					1.8
6		45					
7		46					
8		47					
9		48					
A		49					
B		50					
C		55					
D		56					
E		57					
F	3I5	58					1.8

Program Type:

	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk									0
Don't Walk									1
Phase Green									2
Phase Yellow									3
Phase Red									4
Overlap Green									5
Overlap Yellow									6
Overlap Red									7

Redirect Phase Outputs <E/127+Column+Row>

Cabinet Type	30

<E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	5	<D/0+0+1>
Max ON (minutes)	60	<D/0+0+2>

Detector Failure Monitor

	D	Row
		0
Output Port 1		1
Output Port 2		2
Output Port 3		3
Output Port 4		4
Output Port 5		5
Output Port 6		6
Output Port 7		7

Dimming <E/125+D+Row>

Row	Detector Name	4 C1 Pin Number	5 Attributes	6 Phase(s)	7 Assign	2 Delay	4 Carry-Over
0		59					
1		60					
2		61					
3		62					
4		63					
5	6J3U	64					1.8
6		65					
7		66					
8		67					
9		68					
A		69					
B	3 - 8PPB	70		3			
C		76					
D		77					
E		78					
F		79					

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

Detector Assignments <E/126+Column+Row> <D/0+Column+Row>

	D
Number of Digits	
1 st Digit	
2 ed Digit	
3 ed Digit	
4 th Digit	
5 th Digit	
6 th Digit	
7 th Digit	
8 th Digit	
9 th Digit	
10 th Digit	
11 th Digit	
12 th Digit	
13 th Digit	
14 th Digit	
15 th Digit	

<C/5+D+Row>

Dial-Back Telephone Number

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	1	A
DELAY-B	1	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

<D/0+B+Row> (seconds)

Delay Logic Times

Omit Alarm	#NAME?

<C/5+F+0>

Disable Alarm Reporting

Time	0	<C/5+C+0>

Redial Time (minutes)
(View Redial Timer at E/2+D+6)

Row	Time	Plan	Offset	Day of Week
0	07 : 00	4	A	_23456_
1	09 : 00	E	A	_23456_
2	11 : 30	2	A	_23456_
3	14 : 00	3	A	_23456_
4	17 : 30	E	A	1234567
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.1+Row> (Bank 1)

Time	Funct.	Day of Week

TOD Function <7/0.1+Row>

Column 4 Phases/Bits

<E/27+4+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.1+Row> (Bank 1)

Time	Plan	Offset	Holiday Type

Holiday Events <9/1.1+Row> (Bank 1)

Row
0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F

T.O.D. Functions:
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select:
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Month Select:
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

Cycle Timer:
Master: C/0 + A + 0
Ring A: C/0 + B + 0
Ring B: C/0 + D + **0**

Interval Timer:
Ring A: F/0 + A + Interval Row
Ring B: F/0 + B + Interval Row

Master Plan: C/0 + A + 2
Current Plan: C/0 + A + 3
TOD Plan: C/0 + A + 5

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.2+Row> (Bank 2)

Time	Funct.	Holiday Type

Holiday TOD Function <7/0.2+Row>

Column 4 Phases/Bits

<E/28+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.2+Row> (Bank 2)

Time	Plan	Offset	Holiday Type

Holiday Events <9/1.2+Row> (Bank 2)

Row
0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F

Row	Plan Name --->	1	2 MID	3 PM	4 AM	5	6	7	8	9	Row
0	Cycle Length		102	108	90						0
1	Phase 1 - ForceOff		64	67	61						1
2	Phase 2 - ForceOff		0	0	0						2
3	Phase 3 - ForceOff		33	33	31						3
4	Phase 4 - ForceOff		48	53	48						4
5	Phase 5 - ForceOff		71	75	65						5
6	Phase 6 - ForceOff		0	0	0						6
7	Phase 7 - ForceOff										7
8	Phase 8 - ForceOff										8
9	Ring Offset										9
A	Offset 1		52	3	83						A
B	Offset 2										B
C	Offset 3										C
D	Perm 1 - End		10	10	10						D
E	Hold Release		255	255	255						E
F	Zone Offset		0	0	0						F

Plan

Coordination - Timing Plans <C/1+Plan+Row>

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row		E	Row
0			0
1	Plan 1 - Sync		1
2	Plan 2 - Sync	2 6	2
3	Plan 3 - Sync	2 6	3
4	Plan 4 - Sync	2 6	4
5	Plan 5 - Sync		5
6	Plan 6 - Sync		6
7	Plan 7 - Sync		7
8	Plan 8 - Sync		8
9	Plan 9 - Sync		9
A	NEMA Sync		A
B	NEMA Hold		B
C			C
D			D
E	Coord Extra		E
F			F

Sync Phases <C/1+E+Row>

Row											Row
0	Ped Adjustment										0
1	Perm 2 - Start										1
2	Perm 2 - End										2
3	Perm 3 - Start										3
4	Perm 3 - End										4
5	Reservice Time										5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall										9
A	Perm 1 Veh Phase										A
B	Perm 1 Ped Phase										B
C	Perm 2 Veh Phase										C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase										E
F	Perm 3 Ped Phase										F

Coordination - Parameters <C/2+Plan+Row>

Row		F	Row
0	Free Lag	2 4 6	0
1	Plan 1 - Lag		1
2	Plan 2 - Lag	2 4 6	2
3	Plan 3 - Lag	2 4 6	3
4	Plan 4 - Lag	2 4 6	4
5	Plan 5 - Lag		5
6	Plan 6 - Lag		6
7	Plan 7 - Lag		7
8	Plan 8 - Lag		8
9	Plan 9 - Lag		9
A	External Lag		A
B			B
C			C
D			D
E			E
F			F

Lag Phases <C/1+F+Row>

Coordination Timing B KT

Row	Column 9	Column A	Column B	Column C	Column D	Column E	Column F	Row
0	Spec. Funct. 1	NOT-3	Max 2	Pretimed	Set Monday	Dial 2 (7-Wire)	Sim Term	0
1	Spec. Funct. 2	NOT-4	System Det 1	Plan 1	Ext. Perm 1	Dial 3 (7-Wire)	EV-A 71	1
2	Spec. Funct. 3	OR-4 (a)	System Det 2	Plan 2	Ext. Perm 2	Offset 1 (7-Wire)	EV-B 72	2
3	Spec. Funct. 4	OR-4 (b)	System Det 3	Plan 3	Dimming	Offset 2 (7-Wire)	EV-C 73	3
4	NAND-3 (a)	OR-5 (a)	System Det 4	Plan 4	Set Clock	Offset 3 (7-Wire)	EV-D 74	4
5	NAND-3 (b)	OR-5 (b)	System Det 5	Plan 5	Stop Time	Free (7-Wire)	RR-1 51	5
6	NAND-4 (a)	OR-6 (a)	System Det 6	Plan 6	Flash Sense 81	Flash (7-Wire)	RR-2 52	6
7	NAND-4 (b)	OR-6 (b)	System Det 7	Plan 7	Manual Enable	Excl. Ped Omit	Spec. Event 1	7
8	OR-7 (a)	Fig 3 Diamond	System Det 8	Plan 8	Man. Advance	NOT-1	Spec. Event 2	8
9	OR-7 (b)	Fig 4 Diamond	Max Inhibit (nema)	Plan 9	External Alarm	NOT-2	External Lag	9
A	OR-7 (c)	AND-4 (a)	Force A (nema)	DELAY-A	Phase Bank 2	OR-1 (a)	AND-1 (a)	A
B	OR-7 (d)	AND-4 (b)	Force B (nema)	DELAY-B	Phase Bank 3	OR-1 (b)	AND-1 (b)	B
C	OR-8 (a)	NAND-1 (a)	C.N.A. (nema)	DELAY-C	Overlap Set 2	OR-2 (a)	AND-2 (a)	C
D	OR-8 (b)	NAND-1 (b)	Hold (nema)	DELAY-D	Overlap Set 3	OR-2 (b)	AND-2 (b)	D
E	OR-8 (c)	NAND-2 (a)	Max Recall	DELAY-E	Detector Set 2	OR-3 (a)	AND-3 (a)	E
F	OR-8 (d)	NAND-2 (b)	Min Recall	DELAY-F	Detector Set 3	OR-3 (b)	AND-3 (b)	F

Assignable Inputs <E/126+Column+Row>

Row	Column 9	Column A	Column B	Column C	Column D	Column E	Column F	Row
0	Phase ON - 1	Preempt Fail	Flasher 0	Free	NOT-1	TOD Out 1	Dial 2 (7-Wire)	0
1	Phase ON - 2	Sp Evnt Out 1	Flasher 1	Plan 1	OR-1	TOD Out 2	Dial 3 (7-Wire)	1
2	Phase ON - 3	Sp Evnt Out 2	Fast Flasher	Plan 2	OR-2	TOD Out 3	Offset 1 (7-Wire)	2
3	Phase ON - 4	Sp Evnt Out 3	Fig 3 Diamond	Plan 3	OR-3	TOD Out 4	Offset 2 (7-Wire)	3
4	Phase ON - 5	Sp Evnt Out 4	Fig 4 Diamond	Plan 4	AND-1	TOD Out 5	Offset 3 (7-Wire)	4
5	Phase ON - 6	Sp Evnt Out 5		Plan 5	AND-2	TOD Out 6	Free (7-Wire)	5
6	Phase ON - 7	Sp Evnt Out 6		Plan 6	AND-3	TOD Out 7	Flash (7-Wire)	6
7	Phase ON - 8	Sp Evnt Out 7		Plan 7	NOT-2	TOD Out 8	Preempt	7
8	Ph. Check - 1	Sp Evnt Out 8	NOT-3	Plan 8	EV-A	Adv. Warn - 1	Low Priority A	8
9	Ph. Check - 2		NOT-4	Plan 9	EV-B	Adv. Warn - 2	Low Priority B	9
A	Ph. Check - 3	Detector Fail	OR-4	Spec. Funct. 3	EV-C	DELAY-A	Low Priority C	A
B	Ph. Check - 4	Spec. Funct. 1	OR-5	Spec. Funct. 4	EV-D	DELAY-B	Low Priority D	B
C	Ph. Check - 5	Spec. Funct. 2	OR-6	NAND-3	RR-1	DELAY-C		C
D	Ph. Check - 6	Central Control	AND-4	NAND-4	RR-2	DELAY-D		D
E	Ph. Check - 7	Excl. Ped DW	NAND-1	OR-7	Spec. Event 1	DELAY-E		E
F	Ph. Check - 8	Excl. Ped WK	NAND-2	OR-8	Spec. Event 2	DELAY-F		F

Assignable Outputs <E/127+Column+Row>

7

INTERSECTION: Sea World Dr @ Friars Rd

223 Prc m

Group Assignment:
Field Master Assignment:

N/S Street Name: Friars
E/W Street Name: Sea World

Last Database Change:
System Ref. Number:

Row	Column # --->	Sea World				Sea World			Friars
	Phase # --->	1	2	3	4	5	6	7	8
		↙	←------→				←		2+8 ↑ ↕
0	Ped Walk		7						7
1	Ped FDW		21						20
2	Min Green	4	7				7		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	4.0				5.2		2.0
6	Max Gap	2.0	4.0				5.2		2.0
7	Min Gap	2.0	0.2				0.2		2.0
8	Max Limit	30	60				60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.8				0.6		
E	Yellow	3.4	5.2				4.4		5.2
F	Red Clear	1.0	1.0				1.0		1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row

<F Page>

	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	
EV-A Clear	
EV-B Delay	
EV-B Clear	
EV-C Delay	
EV-C Clear	
EV-D Delay	
EV-D Clear	
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12 6 8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	2 6
4	Ped Recall	
5	Peds (View)	2 8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	2 6
F	1st Phases	8

Phase Functions <F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel		(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	2 6 8	0

Lag Phases <C Page>

Overlap Timing

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR +
<D Page> D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: FLG
Approved By: EFF
Drawing Number:
Timing Implemented On:

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	8
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration

E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1 34
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

Sea World

Sea World

Friars

PHASE TIMING

200 SA 1.e

INTERVAL		1	2	3	4	5	6	7	8	PREEMPT	E	
WALK	0		7						7	RR 1 DELAY		0
FLASH D/W	1		21						20	RR 1 CLEAR		1
MIN GREEN	2	4	7				7		4	EVA DELAY		2
TYPE 3 DET	3									EVA CLEAR		3
ADD PER VEH	4									EVB DELAY		4
VEH EXTN *	5	2.0	2.1				3.5		2.0	EVB CLEAR		5
MAX GAP *	6	2.0	2.1				3.5		2.0	EVC DELAY		6
MIN GAP *	7	2.0	0.2				0.2		2.0	EVC CLEAR		7
MAX EXTN	8	30	60				60		40	EVD DELAY		8
MAX 2	9									EVD CLEAR		9
BUS LEAD	A									RR2 DELAY		A
CALL TO PHS	B									RR 2 CLEAR		B
REDUCE BY	C		0.1				0.1			EV CLR TMR		C
EVERY	D		1.2				0.7			EV DLY TMR		D
YELLOW	E	3.0	~~5.5~~ 5.4				~~4.8~~ 4.4		5.0	RR CLR TMR		E
RED CLEAR	F	1.0	1.0				1.0		1.0	RR DLY TMR		F

F + PHASE + LOCATION

* Must be the same for non-density operation

MAX INITIAL (F-0-E) _____ RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0	X	X				X		X
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3		X				X		
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A								
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F								X

F + F + FUNCTION #

OVERLAP TIMING

	LOAD SWITCH	GREEN 9	YELLOW C	RED D
OLAP A				
OLAP B				
OLAP C				
OLAP D				

D + 0 + OVERLAP

F + COLOR + OVERLAP

PHASE SEQUENCE

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X		X		X		X

C + F + 0

MANUAL (C-A-1) 14

ADDRESS (C-0-0) _____

TURN-ON DATE:

TIME:

DRAWING NO. D- 13352-18

LAST CHANGE: 04-08-1997

BY: MLG

LOCATION	FRIARS ROAD & SEA WORLD DRIVE

DETECTOR TIMES

Y \ X	SET DELAY 1	2	SET CARRY 3	4	OBS COUNT 5	6	OBS DELAY 7	8	OBS CARRY 9	A
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U 1.8	6J2U 1.8	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L

D + X (ACROSS) + Y (DOWN)

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S
0			1	2	3	4	5	6	7
1									
2									
3									
4									
5									
6									
7									
8									
9									

7 + EVENT #

PHASE OR FUNCTION 1	2	3	4	5	6	7

D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT
1-RED LOCK
2-YELLOW LOCK
3-VEH RECALL
4-PED RECALL
5-[RESERVED]
6-REST IN WALK
7-RED REST
8-DBL ENTRY
9-VEH MAX RCL
A-SOFT RCL
B-MAX 2 EXT
C-COND SERV
D-TOD LAG PHS

E-1-LOCAL OVERRIDE
2-PHASE BANK 2
3-PHASE BANK 3
7-DET COUNT
8-SPLIT MONITOR

F - TOD OUTPUTS
1- TOD OUTPUT 1
2- TOD OUTPUT 2
3- TOD OUTPUT 3
4- TOD OUTPUT 4

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5								
OLB GN OMIT	6								
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A								
EMVEH B	B								
EMVEH C	C								
EMVEH D	D								
EXTRA	E	X		X					
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAYLIGHT SAVINGS
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5		X						
PED 6P	6								
PED 4P	7								
PED 8P	8								X
FLH YELLOW	9								
OVERLAP A	A								X
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F	X							

E + F + INTERVAL

LOCATION	FRIARS ROAD & SEA WORLD DRIVE

8

INTERSECTION: FRIARS RD @ NAPA ST

223 Pr...ram

Group Assignment:
Field Master Assignment:

N/S Street Name: NAPA
E/W Street Name: FRIARS

Row	Phase # --->	1	2 FRIARS	3 PED	4 NAPA	5	6 FRIARS	7	8
	Column # --->	Phase							
0	Ped Walk		7	7			7		
1	Ped FDW		17	20			20		
2	Min Green		7	4	4	4	7		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		4.6	0.0	5.0	2.0	4.2		
6	Max Gap		4.6	0.0	5.0	2.0	4.2		
7	Min Gap		0.2	0.0	0.2	2.0	0.2		
8	Max Limit		30	0	20	30	30		
9	Max Limit 2		40		40		40		
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1		0.1		0.1		
D	Every		0.7		0.6		0.8		
E	Yellow		5.0	3.0	3.9	3.4	4.6		
F	Red Clear		1.0		1.0	1.0	1.0		

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	
	EV-D Clear	
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

F + E + Row

Row		F
0	Permit	23456
1	Red Lock	
2	Yellow Lock	
3	Min Recall	2 6
4	Ped Recall	
5	Peds (View)	23 6
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	2 6
F	1st Phases	4

F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	4	C + 0 + 0
Zone Number	4	C + 0 + 1
Area Number	5	C + 0 + 2
Area Address	81	C + 0 + 3
QuicNet Channel	COM 51	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	23 6	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: M2S
Approved By: FLG
Drawing Number: 26904-82-D
Timing Implemented On: 05/03/10

INTERSECTION: FRIARS RD @ NAPA ST

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0	16 : 00	B	_23456_	_2_4_6_
1	18 : 30	B	_23456_	
2	00 : 01	E	1234567	1_____
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function 7 + ROW

<D Page> D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	_____6__
7	Ped 4P	
8	Ped 8P	__3_____
9	Yellow Flash Phases	
A	Overlap A - Phases	__4_6__
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1_____

Configuration E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	_____6__
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5___
B	EV-B Phases	___4____
C	EV-C Phases	_____6__
D	EV-D Phases	
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration E + E + ROW

For access, set F + 9 + E = 1

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 = Bus Advance

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		1.8
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)



PHASE TIMING

200 SA 1.e

INTERVAL		1	2 (FRIARS →)	3 (PED)	4 (NAPA ↓)	5 (↑)	6 (FRIARS ←)	7	8
WALK	0		7	7			7		
FLASH D/W	1		17	20			20		
MIN GREEN	2		7	4	4	4	7		
TYPE 3 DET	3								
ADD PER VEH	4								
VEH EXTN *	5		4.2	0.0	3.4	2.0	4.3		
MAX GAP *	6		4.2	0.0	3.4	2.0	4.3		
MIN GAP *	7		0.2	0.0	0.2	2.0	0.2		
MAX EXTN	8		60	0	40	30	60		
MAX 2	9								
BUS LEAD	A								
CALL TO PHS	B								
REDUCE BY	C		0.1		0.1		0.1		
EVERY	D		0.8		0.9		0.7		
YELLOW	E		5.5	3.0	3.0	3.0	4.5		
RED CLEAR	F		1.0		1.0	1	1.0		

F + PHASE + LOCATION

PREEMPT		
	E	
RR 1 DELAY		0
RR 1 CLEAR		1
EVA DELAY	0	2
EVA CLEAR	3	3
EVB DELAY	0	4
EVB CLEAR	3	5
EVC DELAY	0	6
EVC CLEAR	3	7
EVD DELAY		8
EVD CLEAR		9
RR2 DELAY		A
RR 2 CLEAR		B
EV CLR TMR		C
EV DLY TMR		D
RR CLR TMR		E
RR DLY TMR		F

* Must be the same for non-density operation

MAX INITIAL (F-0-E) 0 RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0		X	X	X	X	X		
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3		X				X		
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A								
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F				X				

F + F + FUNCTION #

OVERLAP TIMING

LOAD SWITCH		GREEN 9	YELLOW C	RED D
	OLAP A			
	OLAP B			
	OLAP C			
	OLAP D			

D + 0 + OVERLAP

F + COLOR + OVERLAP

PHASE SEQUENCE

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X	X			X		X

C + F + 0

MANUAL (C-A-1) 14

ADDRESS (C-0-0)

TURN-ON DATE: 12-09-1997

TIME: 11:20

DRAWING NO. D- 26904-77

LAST CHANGE: 04-02-1998

BY: FLG

New phasing implemented 4-2-98

LOCATION Friars Rd. & Napa St.

DETECTOR TIMES

Y \ X	SET DELAY 1	2	SET CARRY 3	4	OBS COUNT 5	6	OBS DELAY 7	8	OBS CARRY 9	A
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U 1.8	6J2U 1.8	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U	8J6U	4I6U 1.8	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L 10.	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L

D + X (ACROSS) + Y (DOWN)

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S
0			1	2	3	4	5	6	7
1									
2									
3									
4									
5									
6									
7									
8									
9									

7 + EVENT #

PHASE OR FUNCTION

1	2	3	4	5	6	7	

D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT
1-RED LOCK
2-YELLOW LOCK
3-VEH RECALL
4-PED RECALL
5-[RESERVED]
6-REST IN WALK
7-RED REST
8-DBL ENTRY
9-VEH MAX RCL
A-SOFT RCL
B-MAX 2 EXT
C-COND SERV
D-TOD LAG PHS

E-1-LOCAL OVERRIDE
2-PHASE BANK 2
3-PHASE BANK 3
7-DET COUNT
8-SPLIT MONITOR

F - TOD OUTPUTS
1- TOD OUTPUT 1
2- TOD OUTPUT 2
3- TOD OUTPUT 3
4- TOD OUTPUT 4

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5						X		
OLB GN OMIT	6								
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A		X			X			
EMVEH B	B				X				
EMVEH C	C						X		
EMVEH D	D								
EXTRA	E	X		X	X				
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAYLIGHT SAVINGS
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5		X						
PED 6P	6						X		
PED 4P	7								
PED 8P	8			X					
FLH YELLOW	9								
OVERLAP A	A				X		X		
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F	X							

E + F + INTERVAL

LOCATION	Friars Rd.	&	Napa St.

9

INTERSECTION: COLUSA St & FRIARS Rd

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: COLUSA St
E/W Street Name: FRIARS Rd

Last Database Change:
System Ref. Number:

N

Row	Column # --->	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8
		FRIARS			COLUSA		FRIARS		COLUSA
0	Ped Walk		7		7		7		
1	Ped FDW		17		24		9		
2	Min Green	4	10		4	4	10		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	6.1		2.0	2.0	6.4		2.0
6	Max Gap	2.0	6.1		2.0	2.0	6.4		2.0
7	Min Gap	2.0	0.2		2.0	2.0	0.2		2.0
8	Max Limit	30	60		40	30	60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.5				0.5		
E	Yellow	3.4	4.7		3.9	3.4	5.0		3.9
F	Red Clear	1.0	1.0		1.0	1.0	1.0		1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	
	EV-B Clear	
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	
	EV-D Clear	
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12_456_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	_2_4_6__
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	___4___8
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	5	C + 0 + 0
Zone Number	5	C + 0 + 1
Area Number	5	C + 0 + 2
Area Address	82	C + 0 + 3
QuicNet Channel	DIGI 47:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: WXW
Approved By: EFF
Drawing Number:
Timing Implemented On: 2/24/05

INTERSECTION: COLUSA St & FRIARS Rd

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(if set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: COLUSA St & FRIARS Rd — 223 Program

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+Â+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

10

Friars Rd

Via las Cumbres

Friars Rd

200 SA 1.e

PHASE TIMING

INTERVAL		1	2	3	4	5	6	7	8
WALK	0				7		7		
FLASH D/W	1			26	~~22~~	19	~~15~~		
MIN GREEN	2		10		4	4	10		
TYPE 3 DET	3								
ADD PER VEH	4								
VEH EXTN *	5		2.3		2.0	2.0	2.0		
MAX GAP *	6		2.3		2.0	2.0	2.0		
MIN GAP *	7		0.2		2.0	2.0	0.2		
MAX EXTN	8		50		30	25	50		
MAX 2	9								
BUS LEAD	A								
CALL TO PHS	B								
REDUCE BY	C		0.1				0.1		
EVERY	D		1.0				1.1		
YELLOW	E		5.0		3.0	3.0	5.0		
RED CLEAR	F		1.0		1.0	1.0	1.0		

F + PHASE + LOCATION

PREEMPT

	E	
RR 1 DELAY		0
RR 1 CLEAR		1
EVA DELAY		2
EVA CLEAR		3
EVB DELAY		4
EVB CLEAR		5
EVC DELAY		6
EVC CLEAR		7
EVD DELAY		8
EVD CLEAR		9
RR2 DELAY		A
RR 2 CLEAR		B
EV CLR TMR		C
EV DLY TMR		D
RR CLR TMR		E
RR DLY TMR		F

Curr 9/30/96

* Must be the same for non-density operation

MAX INITIAL (F-0-E) _____ RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0		X		X	X	X		
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3		X				X		
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A								
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F				X				

F + F + FUNCTION

OVERLAP TIMING

LOAD SWITCH

D + 0 + OVERLAP

	GREEN 9	YELLOW C	RED D
OLAP A			
OLAP B			
OLAP C			
OLAP D			

F + COLOR +

PHASE SEQUENCE

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X		X		X		

C + F + 0

MANUAL (C-A-1) 14

ADDRESS (C-0-0) _____

TURN-ON DATE: 03-01-1997

TIME:

DRAWING NO. D- 16804-1

LAST CHANGE: 03-03-1997

BY: MLG

LOCATION FRIARS ROAD & VIA LAS CUMBRES

Audible Signal (FDW 3.5 FPS)

DETECTOR TIMES

Y \ X	SET DELAY 1	2	SET CARRY 3	4	OBS COUNT 5	6	OBS DELAY 7	8	OBS CARRY 9	A
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U 1.8	6J2U 1.8	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L 10.	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L

D + X (ACROSS) + Y (DOWN)

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S
0			1	2	3	4	5	6	7
1									
2									
3									
4									
5									
6									
7									
8									
9									

7 + EVENT #

PHASE OR FUNCTION

1	2	3	4	5	6	7	

D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT
1-RED LOCK
2-YELLOW LOCK
3-VEH RECALL
4-PED RECALL
5-[RESERVED]
6-REST IN WALK
7-RED REST
8-DBL ENTRY
9-VEH MAX RCL
A-SOFT RCL
B-MAX 2 EXT
C-COND SERV
D-TOD LAG PHS

E-1-LOCAL OVERRIDE
2-PHASE BANK 2
3-PHASE BANK 3
7-DET COUNT
8-SPLIT MONITOR

F - TOD OUTPUTS
1- TOD OUTPUT 1
2- TOD OUTPUT 2
3- TOD OUTPUT 3
4- TOD OUTPUT 4

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5								
OLB GN OMIT	6								
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A								
EMVEH B	B								
EMVEH C	C								
EMVEH D	D								
EXTRA	E	X		X	X				
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAVLIGHT
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5								
PED 6P	6						X		
PED 4P	7				X				
PED 8P	8								
FLH YELLOW	9								
OVERLAP A	A								
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F								

E + F + INTERVAL

LOCATION	FRIARS ROAD & VIA LAS CUMBRES

INTERSECTION: FRIARS RD @ VIA LAS CUMBRES

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: VIA LAS CUMBRES
E/W Street Name: FRIARS

FRIARS | VIA LAS CUMBRES | FR

Column # --->		Phase							
Phase # --->		1	2	3	4	5	6	7	8
Row			→		↓	↑	←		
0	Ped Walk				7		7		
1	Ped FDW				25		19		
2	Min Green		10		4	4	10		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		2.4		2.0	2.0	2.4		
6	Max Gap		2.4		2.0	2.0	2.4		
7	Min Gap		0.2		2.0	2.0	0.2		
8	Max Limit		60		30	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		1.3				1.3		
E	Yellow		4.7		4.1	3.4	4.9		
F	Red Clear		1.0		1.0	1.0	1.0		

Phase Timing - Bank 1
F + Phase + Row

<F Page>

	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	
EV-B Clear	
EV-C Delay	0
EV-C Clear	0
EV-D Delay	
EV-D Clear	
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

F + E + Row

	F	Row
Permit	_2_456__	0
Red Lock		1
Yellow Lock		2
Min Recall	_2___6__	3
Ped Recall		4
Peds (View)	___4_6__	5
Rest In Walk		6
Red Rest		7
Dbl Entry		8
Max Recall		9
Soft Recall		A
Max 2		B
Cond Serv		C
Ped Lock	12345678	D
Yellow Start	_2___6__	E
1st Phases	___4____	F

F + F + Row

Note: FDW calculated using 3.5 fps.

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	6	C + 0 + 0
Zone Number	6	C + 0 + 1
Area Number	5	C + 0 + 2
Area Address	83	C + 0 + 3
QuicNet Channel	COM51	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: M2S
Approved By: FLG
Drawing Number: 16804-1-D
Timing Implemented On:

INTERSECTION: FRIARS RD @ VIA LAS CUMBRES

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 = Bus Advance

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

Friars Rd - Via Cumbres 0620 C72

CITY OF SAN DIEGO

ACTUATED SIGNAL TIMING RECORD (Solid State)

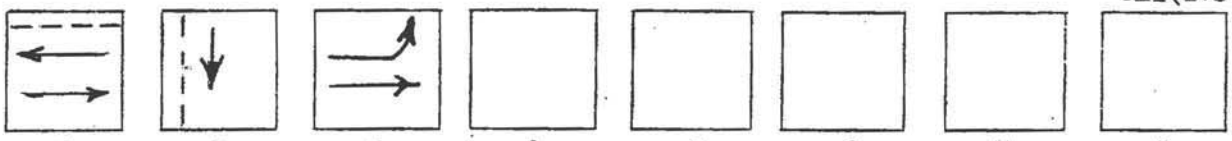
START
FIRST PHASES
DUAL ENTRY
G.P.T.
SIM. GAP
MAX. EXT.

TYPE CONTROLLER: MULTISONICS - 901

DATE TURNED ON 11-04-76 @ 0943

OL1(1+3)

Phase Diagrams



CONTROLLER PHASE	1	2	3	4	5	6	7	8
RECALL								
Secs. per Actuat.	1/2							
Non-Lock		Pin						
Minimum Initial	10	4 ~~2~~	4 ~~2~~					
Maximum Initial	22	2	2					
Walk	8"	8	-					
Ped. Clearance	16"	22	-					
Preset Veh. Extension	6	2	2					
Minimum Veh. Extension	2	2	2					
Start Reduction	16	-	-					
TIME TO REDUCE	16	-	-					
Maximum 1.	48	32	24					
Maximum 2.								
Yellow	6/22/77 4.0 ~~3.5~~	3.0	4.0 ~~3.0~~	4/27/77 TRM				4.0 ~~3.5~~
All Red	6/22/77 1.0 ~~3/4~~	1.0 ~~.5~~	1.0					1.0 ~~1/2~~
Mags EXT.	in - 1" out - Ø							
Detector Mode	calling on pulse	presence	presence					

NOTES:

Location: Friars & Via Las Cumbres

11

INTERSECTION: FASHION VALLEY RD @ FRIARS RD

233 Program

Group Assignment:
Field Master Assignment:
System Reference Number:

N/S St: FASHION VALLEY
E/W Street: FRIARS

Last Database Change:

Timing sheets by: M2S
Approved by: FLG
Timing implemented on: 04/13/10

		FRIARS	FASHION VALLEY			FRIARS		FASHION VALLEY	
		Phase							
Phase Numbers—>		1	2	3	4	5	6	7	8
Row		1+8							
0	Ped Walk		7				7		10
1	Ped FDW		14				7		25
2	Min Green	4	10			4	10		4
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension	2.0	2.9			2.0	3.7		2.2
6	Max Gap	2.0	2.9			2.0	3.7		2.2
7	Min Gap	2.0	0.2			2.0	0.2		0.2
8	Max Limit	30	60			30	60		50
9	Max Limit 2								
A	Adv. / Delay Walk								10
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every		1.1				0.8		1.5
E	Yellow Change	3.4	4.9			3.4	4.3		3.9
F	Red Clear	1.0	1.0			1.0	1.0		1.0

Phase Timing - Bank 1 <F/1+Phase+Row>

	E	Row
RR-1 Delay		
RR-1 Clear		
EV-A Delay	0	
EV-A Clear	0	
EV-B Delay		
EV-B Clear		
EV-C Delay	0	
EV-C Clear	0	
EV-D Delay	0	
EV-D Clear	0	
RR-2 Delay		
RR-2 Clear		
View EV Delay	- - -	
View EV Clear	- - -	
View RR Delay	- - -	
View RR Clear	- - -	

Preempt Timing <F/1+E+Row>

	F	Row
Permit	12 56 8	0
Red Lock		1
Yellow Lock		2
Min Recall	2 6	3
Ped Recall		4
View Set Peds	2 6 8	5
Rest In Walk		6
Red Rest		7
Double Entry		8
Max Recall		9
Soft Recall		A
Max 2		B
Cond. Service		C
Man Cntrl Calls		D
Yellow Start	2 6	E
First Phases	8	F

Phase Functions <F/1+F+Row>

Current Calculated Cycle Length: C/0 + B + F

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <F/1+Column+Phase>

Drop Number	1	<C/0+0+0>
Zone Number	1	<C/0+0+1>
Area Number	4	<C/0+0+2>
Area Address	81	<C/0+0+3>
QuicNet Channel	90	(QuicNet)

Communication Addresses

Flash Start	0	<F/1+0+E>
Red Revert	5.0	<F/1+0+F>
All Red Start	0.0	<F/1+C+0>

Start / Revert Times

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

(Outputs specified in Assignable Outputs at E/127+A+E & F)

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase

Manual Plan	0	<C/0+A+1>
Manual Offset	0	<C/0+B+1>

Manual Selection

Free Lag	2 6 8	<C/1+F+0>

How to Set Page Access Code:
F/1 – C + 0 + F = 1

Notes:

Row		Overlap 1	2	3	4	5	6	7	8
0	Load Switch Number	9							
1	Veh Set 1 - Phases	1							
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases	2							
5	Neg Ped Phases								
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear								
E	Yellow Change	3.4							
F	Red Clear	1.0							

Overlap Assignments <E/29+Column+Row>

	F	Row
Fast Green Flash Phase		0
Green Flash Phases		1
Flashing Walk Phases		2
Guaranteed Passage		3
Simultaneous Gap Term	12345678	4
Sequential Timing		5
Advance Walk Phases	8	6
Delay Walk Phases		7
External Recall		8
Start-up Overlap Green		9
Max Extension		A
Inhibit Ped Reservice		B
Semi-Actuated		C
Start-up Overlap Yellow		D
Start-up Vehicle Calls	12345678	E
Start-up Ped Calls	12345678	F

Specials <F/2+F+Row>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	1 6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration <E/125+E+Row>

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	2
Ped for 6P Output	6
Ped for 4P Output	
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	

Configuration <E/125+F+Row>

	C	Row
EV-A		0
EV-B		1
EV-C		2
EV-D		3
RR-1 *	---	4
RR-2 *	---	5
SE-1	0	6
SE-2	0	7
		8
		9
		A
		B
		C
		D
		E
		F

<E/125+C+Row>

Preemption Priority

(* RR-1 is always Highest, and RR-2 is always Second Highest)

	2	Row
		0
Phase 1	0	1
Phase 2	0	2
Phase 3	0	3
Phase 4	0	4
Phase 5	0	5
Phase 6	0	6
Phase 7	0	7
Phase 8	0	8
		9
		A
		B
		C
		D
		E
		F

<C/5+2+Row>

Coordination Transition Minimums

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Time and Date

Begin Month	3	<C/5+2+A>
Begin Week	2	<C/5+2+B>
End Month	11	<C/5+2+C>
End Week	1	<C/5+2+D>

Daylight Savings Time

Daylight Savings Date:
If set to all zeros, standard dates will be used.

Row	Detector Name	0 C1 Pin Number	1 Attributes	2 Phase(s)	3 Assign	1 Delay	3 Carry-Over
0	2I2U	39	45_7_	2	123 8		1.8
1	6J2U	40	45_7_	6	123 8		1.8
2		41	45_7_	4	123 8		
3	8J6U	42	45_7_	8	123 8		1.8
4		43	45_7_	2	123 8		
5		44	45_7_	6	123 8		
6		45	45_7_	4	123 8		
7		46	45_7_	8	123 8		
8		47	67_	2	123 8		
9		48	67_	6	123 8		
A		49	67_	4	123 8		
B		50	67_	8	123 8		
C		55	45_7_	5	123 8		
D		56	45_7_	1	123 8		
E		57	45_7_	7	123 8		
F		58	45_7_	3	123 8		

Program Type:

	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk									0
Don't Walk									1
Phase Green									2
Phase Yellow									3
Phase Red									4
Overlap Green	35								5
Overlap Yellow	37								6
Overlap Red									7

Redirect Phase Outputs <E/127+Column+Row>

Cabinet Type	30

<E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	5	<D/0+0+1>
Max ON (minutes)	60	<D/0+0+2>

Detector Failure Monitor

	D	Row
		0
Output Port 1		1
Output Port 2		2
Output Port 3		3
Output Port 4		4
Output Port 5		5
Output Port 6		6
Output Port 7		7

Dimming <E/125+D+Row>

Row	Detector Name	4 C1 Pin Number	5 Attributes	6 Phase(s)	7 Assign	2 Delay	4 Carry-Over
0		59	45_7_	5	123 8		
1		60	45_7_	1	123 8		
2		61	45_7_	7	123 8		
3		62	45_7_	3	123 8		
4		63	45_7_	2	123 8		
5		64	45_7_	6	123 8		
6		65	45_7_	4	123 8		
7		66	45_7_	8	123 8		
8		67	2	2	123 8		
9		68	2	6	123 8		
A		69	2	4	123 8		
B		70	2	8	123 8		
C		76	45_7_	2	123 8		
D		77	45_7_	6	123 8		
E		78	45_7_	4	123 8		
F		79	45_7_	8	123 8		

Detector Assignments <E/126+Column+Row> <D/0+Column+Row>

Detector Attributes
1 = Full Time Delay
2 = Ped Cali
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

	D
Number of Digits	
1 st Digit	
2 ed Digit	
3 ed Digit	
4 th Digit	
5 th Digit	
6 th Digit	
7 th Digit	
8 th Digit	
9 th Digit	
10 th Digit	
11 th Digit	
12 th Digit	
13 th Digit	
14 th Digit	
15 th Digit	<C/5+D+Row>

Dial-Back Telephone Number

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	1	A
DELAY-B	1	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

<D/0+B+Row> (seconds)

Delay Logic Times

Omit Alarm	

<C/5+F+0>

Disable Alarm Reporting

Time	0

<C/5+C+0>

Redial Time (minutes)
(View Redial Timer at E/2+D+6)

INTERSECTION: FASHION VALLEY RD @ FRIARS RD

233 Program

Row	Time	Plan	Offset	Day of Week
0	07 : 00	7	A	_23456_
1	09 : 00	E	A	_23456_
2	15 : 00	8	A	_23456_
3	18 : 30	E	A	1234567
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.1+Row>
(Bank 1)

Row	Time	Funct.	Day of Week	Column 4 Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <7/0.1+Row> <E/27+4+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.1+Row>
(Bank 1)

Row	Time	Plan	Offset	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Events <9/1.1+Row>
(Bank 1)

T.O.D. Functions:
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select:
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Month Select:
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

Cycle Timer:
Master: C/0 + A + 0
Ring A: C/0 + B + 0
Ring B: C/0 + D + 0

Interval Timer:
Ring A: F/0 + A + Interval Row
Ring B: F/0 + B + Interval Row

Master Plan: C/0 + A + 2
Current Plan: C/0 + A + 3
TOD Plan: C/0 + A + 5

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.2+Row>
(Bank 2)

Row	Time	Funct.	Holiday Type	Column 4 Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday TOD Function <7/0.2+Row> <E/28+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.2+Row>
(Bank 2)

Row	Time	Plan	Offset	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Events <9/1.2+Row>
(Bank 2)

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row	Plan Name —>	Plan 1	2	3	4	5	6	7 AM	8 PM	9	Row
0	Cycle Length							112	136		0
1	Phase 1 - ForceOff							34	80		1
2	Phase 2 - ForceOff							0	0		2
3	Phase 3 - ForceOff										3
4	Phase 4 - ForceOff										4
5	Phase 5 - ForceOff							87	62		5
6	Phase 6 - ForceOff							0	0		6
7	Phase 7 - ForceOff										7
8	Phase 8 - ForceOff							74	49		8
9	Ring Offset										9
A	Offset 1							82	40		A
B	Offset 2										B
C	Offset 3										C
D	Perm 1 - End							11	14		D
E	Hold Release							255	255		E
F	Zone Offset							0	0		F

Coordination - Timing Plans <C/1+Plan+Row>

Row		E	Row
0			0
1	Plan 1 - Sync		1
2	Plan 2 - Sync		2
3	Plan 3 - Sync		3
4	Plan 4 - Sync		4
5	Plan 5 - Sync		5
6	Plan 6 - Sync		6
7	Plan 7 - Sync	2 6	7
8	Plan 8 - Sync	2 6	8
9	Plan 9 - Sync		9
A	NEMA Sync		A
B	NEMA Hold		B
C			C
D			D
E	Coord Extra		E
F			F

Sync Phases <C/1+E+Row>

Row											Row
0	Ped Adjustment										0
1	Perm 2 - Start										1
2	Perm 2 - End										2
3	Perm 3 - Start										3
4	Perm 3 - End										4
5	Reservice Time										5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall										9
A	Perm 1 Veh Phase										A
B	Perm 1 Ped Phase										B
C	Perm 2 Veh Phase										C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase										E
F	Perm 3 Ped Phase										F

Coordination - Parameters <C/2+Plan+Row>

Row		F	Row
0	Free Lag		0
1	Plan 1 - Lag		1
2	Plan 2 - Lag		2
3	Plan 3 - Lag		3
4	Plan 4 - Lag		4
5	Plan 5 - Lag		5
6	Plan 6 - Lag		6
7	Plan 7 - Lag	1 6 8	7
8	Plan 8 - Lag	2 6 8	8
9	Plan 9 - Lag		9
A	External Lag		A
B			B
C			C
D			D
E			E
F			F

Lag Phases <C/1+F+Row>

Coordination Timing By: KH&A
Implemented on: 2/17/2010

Row	Column 9	Column A	Column B	Column C	Column D	Column E	Column F	Row
0	Spec. Funct. 1	NOT-3	Max 2	Pretimed	Set Monday	Dial 2 (7-Wire)	Sim Term	0
1	Spec. Funct. 2	NOT-4	System Det 1	Plan 1	Ext. Perm 1	Dial 3 (7-Wire)	EV-A 71	1
2	Spec. Funct. 3	OR-4 (a)	System Det 2	Plan 2	Ext. Perm 2	Offset 1 (7-Wire)	EV-B 72	2
3	Spec. Funct. 4	OR-4 (b)	System Det 3	Plan 3	Dimming	Offset 2 (7-Wire)	EV-C 73	3
4	NAND-3 (a)	OR-5 (a)	System Det 4	Plan 4	Set Clock	Offset 3 (7-Wire)	EV-D 74	4
5	NAND-3 (b)	OR-5 (b)	System Det 5	Plan 5	Stop Time 82	Free (7-Wire)	RR-1 51	5
6	NAND-4 (a)	OR-6 (a)	System Det 6	Plan 6	Flash Sense 81	Flash (7-Wire)	RR-2 52	6
7	NAND-4 (b)	OR-6 (b)	System Det 7	Plan 7	Manual Enable	Excl. Ped Omit	Spec. Event 1	7
8	OR-7 (a)	Fig 3 Diamond	System Det 8	Plan 8	Man. Advance	NOT-1	Spec. Event 2	8
9	OR-7 (b)	Fig 4 Diamond	Max Inhibit (nema)	Plan 9	External Alarm	NOT-2	External Lag	9
A	OR-7 (c)	AND-4 (a)	Force A (nema)	DELAY-A	Phase Bank 2	OR-1 (a)	AND-1 (a)	A
B	OR-7 (d)	AND-4 (b)	Force B (nema)	DELAY-B	Phase Bank 3	OR-1 (b)	AND-1 (b)	B
C	OR-8 (a)	NAND-1 (a)	C.N.A. (nema)	DELAY-C	Overlap Set 2	OR-2 (a)	AND-2 (a)	C
D	OR-8 (b)	NAND-1 (b)	Hold (nema)	DELAY-D	Overlap Set 3	OR-2 (b)	AND-2 (b)	D
E	OR-8 (c)	NAND-2 (a)	Max Recall	DELAY-E	Detector Set 2	OR-3 (a)	AND-3 (a)	E
F	OR-8 (d)	NAND-2 (b)	Min Recall	DELAY-F	Detector Set 3	OR-3 (b)	AND-3 (b)	F

Assignable Inputs **<E/126+Column+Row>**

Row	Column 9	Column A	Column B	Column C	Column D	Column E	Column F	Row
0	Phase ON - 1	Preempt Fail	Flasher 0	Free	NOT-1	TOD Out 1	Dial 2 (7-Wire)	0
1	Phase ON - 2	Sp Evnt Out 1	Flasher 1	Plan 1	OR-1	TOD Out 2	Dial 3 (7-Wire)	1
2	Phase ON - 3	Sp Evnt Out 2	Fast Flasher	Plan 2	OR-2	TOD Out 3	Offset 1 (7-Wire)	2
3	Phase ON - 4	Sp Evnt Out 3	Fig 3 Diamond	Plan 3	OR-3	TOD Out 4	Offset 2 (7-Wire)	3
4	Phase ON - 5	Sp Evnt Out 4	Fig 4 Diamond	Plan 4	AND-1	TOD Out 5	Offset 3 (7-Wire)	4
5	Phase ON - 6	Sp Evnt Out 5		Plan 5	AND-2	TOD Out 6	Free (7-Wire)	5
6	Phase ON - 7	Sp Evnt Out 6		Plan 6	AND-3	TOD Out 7	Flash (7-Wire) 81	6
7	Phase ON - 8	Sp Evnt Out 7		Plan 7	NOT-2	TOD Out 8	Preempt	7
8	Ph. Check - 1	Sp Evnt Out 8	NOT-3	Plan 8	EV-A	Adv. Warn - 1	Low Priority A	8
9	Ph. Check - 2		NOT-4	Plan 9	EV-B	Adv. Warn - 2	Low Priority B	9
A	Ph. Check - 3	Detector Fail	OR-4	Spec. Funct. 3	EV-C	DELAY-A	Low Priority C	A
B	Ph. Check - 4	Spec. Funct. 1	OR-5	Spec. Funct. 4	EV-D	DELAY-B	Low Priority D	B
C	Ph. Check - 5	Spec. Funct. 2	OR-6	NAND-3	RR-1	DELAY-C		C
D	Ph. Check - 6	Central Control	AND-4	NAND-4	RR-2	DELAY-D		D
E	Ph. Check - 7	Excl. Ped DW	NAND-1	OR-7	Spec. Event 1	DELAY-E		E
F	Ph. Check - 8	Excl. Ped WK	NAND-2	OR-8	Spec. Event 2	DELAY-F		F

Assignable Outputs **<E/127+Column+Row>**

Phase Timing - Bank 2 <C+0+F=2>

Row		Phase 1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Alternate Timing

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Phase Timing - Bank 3 <C+0+F=3>

Row		1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Alternate Timing

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type	0.3	<C/5+1+9>

TBC Transition

Lag Hold Phases		<C/5+1+A>

Coordinated Lag Hold Phases

Sync Output Time	0.0	<C/5+1+C>

7-Wire Master

Time B4 Yellow	0.0	<F/1+C+E>
Phase Number	0	<F/1+C+F>

Advance Warning Beacon - Sign 1

Time B4 Yellow	0.0	<F/1+D+E>
Phase Number	0	<F/1+D+F>

Advance Warning Beacon - Sign 2

Long Failure	0.5	<F/1+0+6>
Short Failure	0.5	<F/1+0+7>

Power Cycle Correction (Default = 0.7)

Min Time (seconds)	0	<F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes)	0	<F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds)	0	<F/1+0+A>

Min Time Between Same Preempts
(Does Not Apply To Railroad Preempt)

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Low Pri. Channel		<E/125+C+8>

Disable Low Priority Channel

INTERSECTION: FASHION VALLEY RD @ FRIARS RD

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 1 <C+0+E=27>

Notes:

0 <E/27+5+F>
Limited Service Interval

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 2 <C+0+E=28>

Notes:

0 <E/28+5+F>
Limited Service Interval

IN RSECTION: FRIARS ROAD @ VIA DE LA MODA

233 F gram

Group Assignment:
Field Master Assignment:
System Reference Number:

N/S Street: VIA DE LA MODA
E/W Street: FRIARS

Last Database Change:

Timing sheets by: M2S
Approved by: FLG
Timing implemented on: 04/13/10

		FRIARS				FRIARS			VIA DE LA MODA
		Phase							
Phase Numbers---->		1	2	3	4	5	6	7	8
Row		↓	→			↑	←	↓ Dummy	↑
0	Ped Walk		7						7
1	Ped FDW		15						24
2	Min Green	4	10			4	10	4	4
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension	2.0	3.6			2.0	3.7	2.0	2.0
6	Max Gap	2.0	3.6			2.0	3.7	2.0	2.0
7	Min Gap	2.0	0.2			2.0	0.2	2.0	2.0
8	Max Limit	25	60			30	60	25	30
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every		0.9				0.8		
E	Yellow Change	3.4	4.4			3.4	4.3	3.4	3.4
F	Red Clear	1.0	1.0			1.0	1.0	1.0	1.0

Phase Timing - Bank 1 <F/1+Phase+Row>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	- - -
	View EV Clear	- - -
	View RR Delay	- - -
	View RR Clear	- - -

Preempt Timing <F/1+E+Row>

Row		F
0	Permit	12 56 8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	2 6
4	Ped Recall	
5	*View Set Peds*	
6	Rest In Walk	
7	Red Rest	
8	Double Entry	4 8
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond. Service	
D	Man Cntrl Calls	
E	Yellow Start	2 6
F	First Phases	8

Phase Functions <F/1+F+Row>

Current Calculated Cycle Length: C/0 + B + F

	9	A	B	C	D
	- - -	- - -	- - -	- - -	- - -
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <F/1+Column+Phase>

Drop Number	2	<C/0+0+0>
Zone Number	2	<C/0+0+1>
Area Number	4	<C/0+0+2>
Area Address	82	<C/0+0+3>
QuicNet Channel	90	(QuicNet)

Communication Addresses

(Outputs specified in Assignable Outputs at E/127+A+E & F)

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Flash Start	0	<F/1+0+E>
Red Revert	5.0	<F/1+0+F>
All Red Start	0.0	<F/1+C+0>

Start / Revert Times

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Manual Plan	0	<C/0+A+1>
Manual Offset	0	<C/0+B+1>

Manual Selection

Notes:

Free Lag	2 5 8	<C/1+F+0>

How to Set Page Access Code:
F/1 -- C + 0 + F = 1

INTERSECTION: FRIARS ROAD @ VIA DE LA MODA

233 Program

Row		Overlap 1	2	3	4	5	6	7	8
0	Load Switch Number	1	6						
1	Veh Set 1 - Phases	1____7_	____67_						
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases	_2____8	____5__8						
5	Neg Ped Phases								
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear								
E	Yellow Change	3.4	4.3						
F	Red Clear	1.0	1.0						

Overlap Assignments <E/29+Column+Row>

	F	Row
Fast Green Flash Phase		0
Green Flash Phases		1
Flashing Walk Phases		2
Guaranteed Passage		3
Simultaneous Gap Term	12345678	4
Sequential Timing		5
Advance Walk Phases		6
Delay Walk Phases		7
External Recall		8
Start-up Overlap Green		9
Max Extension		A
Inhibit Ped Reservice		B
Semi-Actuated		C
Start-up Overlap Yellow		D
Start-up Vehicle Calls	12345678	E
Start-up Ped Calls	12345678	F

Specials <F/2+F+Row>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5___
B	EV-B Phases	
C	EV-C Phases	1___6__
D	EV-D Phases	_____8
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration <E/125+E+Row>

	F
Ext. Permit 1 Phases	12__5678
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	_2_____
Ped for 6P Output	
Ped for 4P Output	
Ped for 8P Output	_____8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	

Configuration <E/125+F+Row>

	C	Row
EV-A		0
EV-B		1
EV-C		2
EV-D		3
RR-1 *	---	4
RR-2 *	---	5
SE-1	0	6
SE-2	0	7
		8
		9
		A
		B
		C
		D
		E
		F

<E/125+C+Row>

Preemption Priority

(* RR-1 is always Highest, and RR-2 is always Second Highest)

	2	Row
		0
Phase 1	0	1
Phase 2	0	2
Phase 3	0	3
Phase 4	0	4
Phase 5	0	5
Phase 6	0	6
Phase 7	0	7
Phase 8	0	8
		9
		A
		B
		C
		D
		E
		F

<C/5+2+Row>

Coordination Transition Minimums

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = S[illegible]ing

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Time and Date

Begin Month	3	<C/5+2+A>
Begin Week	2	<C/5+2+B>
End Month	11	<C/5+2+C>
End Week	1	<C/5+2+D>

Daylight Savings Time

Daylight Savings Date:
If set to all zeros, standard date[illegible]e used.

Row	Detector Name	0 C1 Pin Number	1 Attributes	2 Phase(s)	3 Assign	1 Delay	3 Carry-Over
0	2I2U	39	45_7_	2	123 8		1.8
1	6J2U	40	45_7_	6	123 8		1.8
2		41	45_7_	4	123 8		
3		42	45_7_	8	123 8		
4	2I2L	43	45_7_	2	123 8		1.8
5	6J2L	44	45_7_	6	123 8		1.8
6		45	45_7_	4	123 8		
7	8J6L	46	45_7_	8	123 8	5.0	
8		47	67_	2	123 8		
9		48	67_	6	123 8		
A		49	67_	4	123 8		
B		50	67_	8	123 8		
C		55	45_7_	5	123 8		
D		56	45_7_	1 7	123 8		
E		57	45_7_	7	123 8		
F		58	45_7_	3	123 8		

Program Type:

	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk									0
Don't Walk									1
Phase Green									2
Phase Yellow									3
Phase Red									4
Overlap Green									5
Overlap Yellow									6
Overlap Red									7

Redirect Phase Outputs <E/127+Column+Row>

Cabinet Type	30

<E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	5	<D/0+0+1>
Max ON (minutes)	60	<D/0+0+2>

Detector Failure Monitor

	D	Row
		0
Output Port 1		1
Output Port 2		2
Output Port 3		3
Output Port 4		4
Output Port 5		5
Output Port 6		6
Output Port 7		7

Dimming <E/125+D+Row>

Row	Detector Name	4 C1 Pin Number	5 Attributes	6 Phase(s)	7 Assign	2 Delay	4 Carry-Over
0		59	45_7_	5	123 8		
1		60	45_7_	1	123 8		
2		61	45_7_	7	123 8		
3		62	45_7_	3	123 8		
4		63	45_7_	2	123 8		
5		64	45_7_	6	123 8		
6		65	45_7_	4	123 8		
7		66	45_7_	8	123 8		
8		67	2	2	123 8		
9		68	2	6	123 8		
A		69	2	4	123 8		
B		70	2	8	123 8		
C		76	45_7_	2	123 8		
D		77	45_7_	6	123 8		
E		78	45_7_	4	123 8		
F		79	45_7_	8	123 8		

Detector Assignments <E/126+Column+Row> <D/0+Column+Row>

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

	D
Number of Digits	
1 st Digit	
2 ed Digit	
3 ed Digit	
4 th Digit	
5 th Digit	
6 th Digit	
7 th Digit	
8 th Digit	
9 th Digit	
10 th Digit	
11 th Digit	
12 th Digit	
13 th Digit	
14 th Digit	
15 th Digit	<C/5+D+Row>

Dial-Back Telephone Number

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	1	A
DELAY-B	1	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

<D/0+B+Row> (seconds)
Delay Logic Times

Omit Alarm	

<C/5+F+0>
Disable Alarm Reporting

Time	0	<C/5+C+0>

Redial Time (minutes)
(View Redial Timer at E/2+D+6)

Row	Time	Plan	Offset	Day of Week
0	07 : 00	7	A	_23456_
1	09 : 00	E	A	_23456_
2	15 : 00	8	A	_23456_
3	18 : 30	E	A	1234567
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.1+Row>
(Bank 1)

Time	Funct.	Day of Week

TOD Function <7/0.1+Row>

Row	Column 4 Phases/Bits
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
A	
B	
C	
D	
E	
F	

<E/27+4+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.1+Row>
(Bank 1)

Time	Plan	Offset	Holiday Type

Holiday Events <9/1.1+Row>
(Bank 1)

Row
0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F

T.O.D. Functions:
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select:
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Month Select:
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

Cycle Timer:
Master: C/0 + A + 0
Ring A: C/0 + B + 0
Ring B: C/0 + D + 0

Interval Timer:
Ring A: F/0 + A + Interval Row
Ring B: F/0 + B + Interval Row

Master Plan: C/0 + A + 2
Current Plan: C/0 + A + 3
TOD Plan: C/0 + A + 5

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.2+Row>
(Bank 2)

Time	Funct.	Holiday Type

Holiday TOD Function <7/0.2+Row>

Row	Column 4 Phases/Bits
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
A	
B	
C	
D	
E	
F	

<E/28+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.2+Row>
(Bank 2)

Time	Plan	Offset	Holiday Type

Holiday Events <9/1.2+Row>
(Bank 2)

Row
0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row	Plan Name ---->	Plan 1	2	3	4	5	6	7 AM	8 PM	9	Row
0	Cycle Length							112	136		0
1	Phase 1 - ForceOff							48	75		1
2	Phase 2 - ForceOff							0	0		2
3	Phase 3 - ForceOff										3
4	Phase 4 - ForceOff										4
5	Phase 5 - ForceOff							46	70		5
6	Phase 6 - ForceOff							0	0		6
7	Phase 7 - ForceOff								23		7
8	Phase 8 - ForceOff							35	58		8
9	Ring Offset										9
A	Offset 1							105	63		A
B	Offset 2										B
C	Offset 3										C
D	Perm 1 - End							11	14		D
E	Hold Release							255	255		E
F	Zone Offset							0	0		F

Coordination - Timing Plans **<C/1+Plan+Row>**

Row		E	Row
0			0
1	Plan 1 - Sync		1
2	Plan 2 - Sync		2
3	Plan 3 - Sync		3
4	Plan 4 - Sync		4
5	Plan 5 - Sync		5
6	Plan 6 - Sync		6
7	Plan 7 - Sync	2 6	7
8	Plan 8 - Sync	2 6	8
9	Plan 9 - Sync		9
A	NEMA Sync		A
B	NEMA Hold		B
C			C
D			D
E	Coord Extra		E
F			F

Sync Phases **<C/1+E+Row>**

Row	Plan 1	2	3	4	5	6	7	8	9	Row
0	Ped Adjustment										0
1	Perm 2 - Start								10		1
2	Perm 2 - End								40		2
3	Perm 3 - Start								40		3
4	Perm 3 - End								55		4
5	Reservice Time								0		5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall										9
A	Perm 1 Veh Phase								7		A
B	Perm 1 Ped Phase										B
C	Perm 2 Veh Phase								8		C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase								1 5		E
F	Perm 3 Ped Phase										F

Coordination - Parameters **<C/2+Plan+Row>**

Row		F	Row
0	Free Lag		0
1	Plan 1 - Lag		1
2	Plan 2 - Lag		2
3	Plan 3 - Lag		3
4	Plan 4 - Lag		4
5	Plan 5 - Lag		5
6	Plan 6 - Lag		6
7	Plan 7 - Lag	2 6 8	7
8	Plan 8 - Lag	2 6 8	8
9	Plan 9 - Lag		9
A	External Lag		A
B			B
C			C
D			D
E			E
F			F

Lag Phases **<C/1+F+Row>**

Coordination Timing By: KH&A
Implemented on: 2/17/2010

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Spec. Funct. 1		NOT-3		Max 2		Pretimed		Set Monday		Dial 2 (7-Wire)		Sim Term		0
1	Spec. Funct. 2		NOT-4		System Det 1		Plan 1		Ext. Perm 1	210	Dial 3 (7-Wire)		EV-A	71	1
2	Spec. Funct. 3		OR-4 (a)		System Det 2		Plan 2		Ext. Perm 2		Offset 1 (7-Wire)		EV-B	72	2
3	Spec. Funct. 4		OR-4 (b)		System Det 3		Plan 3		Dimming		Offset 2 (7-Wire)		EV-C	73	3
4	NAND-3 (a)		OR-5 (a)		System Det 4		Plan 4		Set Clock		Offset 3 (7-Wire)		EV-D	74	4
5	NAND-3 (b)		OR-5 (b)		System Det 5		Plan 5		Stop Time	82	Free (7-Wire)		RR-1	51	5
6	NAND-4 (a)		OR-6 (a)		System Det 6		Plan 6		Flash Sense	81	Flash (7-Wire)		RR-2	52	6
7	NAND-4 (b)		OR-6 (b)		System Det 7		Plan 7		Manual Enable		Excl. Ped Omit		Spec. Event 1		7
8	OR-7 (a)		Fig 3 Diamond		System Det 8		Plan 8		Man. Advance		NOT-1		Spec. Event 2		8
9	OR-7 (b)		Fig 4 Diamond		Max Inhibit (nema)		Plan 9		External Alarm		NOT-2		External Lag		9
A	OR-7 (c)		AND-4 (a)		Force A (nema)		DELAY-A		Phase Bank 2		OR-1 (a)		AND-1 (a)		A
B	OR-7 (d)		AND-4 (b)		Force B (nema)		DELAY-B		Phase Bank 3		OR-1 (b)		AND-1 (b)		B
C	OR-8 (a)		NAND-1 (a)		C.N.A. (nema)		DELAY-C		Overlap Set 2		OR-2 (a)	203	AND-2 (a)		C
D	OR-8 (b)		NAND-1 (b)		Hold (nema)		DELAY-D		Overlap Set 3		OR-2 (b)	0	AND-2 (b)		D
E	OR-8 (c)		NAND-2 (a)		Max Recall		DELAY-E		Detector Set 2		OR-3 (a)		AND-3 (a)		E
F	OR-8 (d)		NAND-2 (b)		Min Recall		DELAY-F		Detector Set 3		OR-3 (b)		AND-3 (b)		F

Assignable Inputs <E/126+Column+Row>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Phase ON - 1		Preempt Fail		Flasher 0		Free		NOT-1		TOD Out 1		Dial 2 (7-Wire)		0
1	Phase ON - 2		Sp Evnt Out 1		Flasher 1		Plan 1		OR-1		TOD Out 2		Dial 3 (7-Wire)		1
2	Phase ON - 3		Sp Evnt Out 2		Fast Flasher		Plan 2		OR-2	210	TOD Out 3		Offset 1 (7-Wire)		2
3	Phase ON - 4		Sp Evnt Out 3		Fig 3 Diamond		Plan 3		OR-3		TOD Out 4		Offset 2 (7-Wire)		3
4	Phase ON - 5		Sp Evnt Out 4		Fig 4 Diamond		Plan 4		AND-1		TOD Out 5		Offset 3 (7-Wire)		4
5	Phase ON - 6		Sp Evnt Out 5				Plan 5		AND-2		TOD Out 6		Free (7-Wire)		5
6	Phase ON - 7		Sp Evnt Out 6				Plan 6		AND-3		TOD Out 7		Flash (7-Wire)	81	6
7	Phase ON - 8		Sp Evnt Out 7				Plan 7		NOT-2		TOD Out 8		Preempt		7
8	Ph. Check - 1		Sp Evnt Out 8		NOT-3		Plan 8	203	EV-A		Adv. Warn - 1		Low Priority A		8
9	Ph. Check - 2				NOT-4		Plan 9		EV-B		Adv. Warn - 2		Low Priority B		9
A	Ph. Check - 3		Detector Fail		OR-4		Spec. Funct. 3		EV-C		DELAY-A		Low Priority C		A
B	Ph. Check - 4		Spec. Funct. 1		OR-5		Spec. Funct. 4		EV-D		DELAY-B		Low Priority D		B
C	Ph. Check - 5		Spec. Funct. 2		OR-6		NAND-3		RR-1		DELAY-C				C
D	Ph. Check - 6		Central Control		AND-4		NAND-4		RR-2		DELAY-D				D
E	Ph. Check - 7		Excl. Ped DW		NAND-1		OR-7		Spec. Event 1		DELAY-E				E
F	Ph. Check - 8		Excl. Ped WK		NAND-2		OR-8		Spec. Event 2		DELAY-F				F

Assignable Outputs <E/127+Column+Row>

Row		Phase 1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 2 <C+0+F=2>

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type	0.3	<C/5+1+9>

TBC Transition

Lag Hold Phases		<C/5+1+A>

Coordinated Lag Hold Phases

Sync Output Time	0.0	<C/5+1+C>

7-Wire Master

Time B4 Yellow	0.0	<F/1+C+E>
Phase Number	0	<F/1+C+F>

Advance Warning Beacon - Sign 1

Time B4 Yellow	0.0	<F/1+D+E>
Phase Number	0	<F/1+D+F>

Advance Warning Beacon - Sign 2

Row		1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 3 <C+0+F=3>

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Long Failure	0.5	<F/1+0+6>
Short Failure	0.5	<F/1+0+7>

Power Cycle Correction (Default = 0.7)

Min Time (seconds)	0	<F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes)	0	<F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds)	0	<F/1+0+A>

Min Time Between Same Preempts
(Does Not Apply To Railroad Preempt)

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Low Pri. Channel	#NAME?	<E/125+C+8>

Disable Low Priority Channel

INTERSECTION: FRIARS ROAD @ VIA DE LA MODA

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 1 <C+0+E=27>

Notes:

0 <E/27+5+F>
Limited Service Interval

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 2 <C+0+E=28>

Notes:

0 <E/28+5+F>
Limited Service Interval

13

INTERSECTION: AVENIDA DE LAS TIENDAS @ FRIARS R

233 Program

Group Assignment:
Field Master Assignment:
System Reference Number:

N/S Street: AVENIDA DE LAS TIENDAS
E/W Street: FRIARS

Last Database Change:

Timing sheets by: M2S
Approved by: FLG
Timing implemented on: 04/13/10

		FRIARS	AVE DE LAS TIENDAS		FRIARS		AVE DE LAS TIENDAS		
		Phase							
Row	Phase Numbers—>	1	2	3	4	5	6	7	8
		↓	→		↓	↑	←	Dummy	↑
0	Ped Walk		7		5		7		
1	Ped FDW		18		25		9		
2	Min Green	4	10		4	4	10	4	4
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension	2.0	3.6		2.0	2.0	3.7	2.0	2.0
6	Max Gap	2.0	3.6		2.0	2.0	3.7	2.0	2.0
7	Min Gap	2.0	0.2		2.0	2.0	0.2	2.0	2.0
8	Max Limit	25	60		30	30	60	25	30
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every		0.9				0.8		
E	Yellow Change	3.4	4.4		3.9	3.4	4.3	3.4	3.9
F	Red Clear	1.0	1.0		1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1 <F/1+Phase+Row>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	- - -
	View EV Clear	- - -
	View RR Delay	- - -
	View RR Clear	- - -

Preempt Timing <F/1+E+Row>

Row		F
0	Permit	12_456_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2___6__
4	Ped Recall	
5	*View Set Peds*	_2_4_6__
6	Rest In Walk	
7	Red Rest	
8	Double Entry	___4___8
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond. Service	
D	Man Cntrl Calls	
E	Yellow Start	___4___8
F	First Phases	1___6__

Phase Functions <F/1+F+Row>

Current Calculated Cycle Length: C/0 + B + F

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <F/1+Column+Phase>

Drop Number	3	<C/0+0+0>
Zone Number	3	<C/0+0+1>
Area Number	4	<C/0+0+2>
Area Address	83	<C/0+0+3>
QuicNet Channel	90	(QuicNet)

Communication Addresses

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

(Outputs specified in Assignable Outputs at E/127+A+E & F)

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase

Flash Start	0	<F/1+0+E>
Red Revert	5.0	<F/1+0+F>
All Red Start	0.0	<F/1+C+0>

Start / Revert Times

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Manual Plan	0	<C/0+A+1>
Manual Offset	0	<C/0+B+1>

Manual Selection

Free Lag	2 4 6 8	<C/1+F+0>

How to Set Page Access Code:
F/1 – C + 0 + F = 1

Notes: Yellow Start Must be phases 4 & 8.
Phase 7 is permitted only during plan 8. Phase 7 must be flagged as Exclusive.
Phase 7 must be flagged at E+2+D (Detector Timing).

INTERSECTION: AVENIDA DE LAS TIENDAS @ FRIARS RD

233 Program

Overlap Assignments <E/29+Column+Row>

Row		Overlap 1	2	3	4	5	6	7	8
0	Load Switch Number	1	6						
1	Veh Set 1 - Phases	1 7	67						
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases	2 4 8	45 8						
5	Neg Ped Phases								
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear								
E	Yellow Change	3.4	4.3						
F	Red Clear	1.0	1.0						

Specials <F/2+F+Row>

	F	Row
Fast Green Flash Phase		0
Green Flash Phases		1
Flashing Walk Phases		2
Guaranteed Passage		3
Simultaneous Gap Term	12345678	4
Sequential Timing		5
Advance Walk Phases		6
Delay Walk Phases		7
External Recall		8
Start-up Overlap Green		9
Max Extension		A
Inhibit Ped Reservice		B
Semi-Actuated		C
Start-up Overlap Yellow		D
Start-up Vehicle Calls	12345678	E
Start-up Ped Calls	12345678	F

Configuration <E/125+E+Row>

Row		E
0	Exclusive Phases	7
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration <E/125+F+Row>

	F
Ext. Permit 1 Phases	12 45678
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	2
Ped for 6P Output	6
Ped for 4P Output	4
Ped for 8P Output	
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	

Preemption Priority <E/125+C+Row>

(* RR-1 is always Highest, and RR-2 is always Second Highest)

	C	Row
EV-A		0
EV-B		1
EV-C		2
EV-D		3
RR-1 *	---	4
RR-2 *	---	5
SE-1	0	6
SE-2	0	7
		8
		9
		A
		B
		C
		D
		E
		F

Coordination Transition Minimums <C/5+2+Row>

	2	Row
		0
Phase 1	0	1
Phase 2	0	2
Phase 3	0	3
Phase 4	0	4
Phase 5	0	5
Phase 6	0	6
Phase 7	0	7
Phase 8	0	8
		9
		A
		B
		C
		D
		E
		F

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Time and Date

Daylight Savings Time

Begin Month	3	<C/5+2+A>
Begin Week	2	<C/5+2+B>
End Month	11	<C/5+2+C>
End Week	1	<C/5+2+D>

Daylight Savings Date:
If set to all zeros, standard dat[illegible] be used.

Row	Detector Name	0 C1 Pin Number	1 Attributes	2 Phase(s)	3 Assign	1 Delay	3 Carry-Over
0	2I2U	39	45_7_	2	123 8		1.8
1	6J2U	40	45_7_	6	123 8		1.8
2		41	45_7_	4	123 8		
3		42	45_7_	8	123 8		
4	2I2L	43	45_7_	2	123 8		1.8
5	6J2L	44	45_7_	6	123 8		1.8
6		45	45_7_	4	123 8		
7		46	45_7_	8	123 8		
8		47	67_	2	123 8		
9		48	67_	6	123 8		
A		49	67_	4	123 8		
B		50	67_	8	123 8		
C		55	45_7_	5	123 8		
D		56	45_7_	1 7_	123 8		
E		57	45_7_	7_	123 8		
F		58	45_7_	3	123 8		

Program Type:

	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk									0
Don't Walk									1
Phase Green									2
Phase Yellow									3
Phase Red									4
Overlap Green									5
Overlap Yellow									6
Overlap Red									7

Redirect Phase Outputs <E/127+Column+Row>

Cabinet Type	30

<E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	5	<D/0+0+1>
Max ON (minutes)	60	<D/0+0+2>

Detector Failure Monitor

	D	Row
		0
Output Port 1		1
Output Port 2		2
Output Port 3		3
Output Port 4		4
Output Port 5		5
Output Port 6		6
Output Port 7		7

Dimming <E/125+D+Row>

Row	Detector Name	4 C1 Pin Number	5 Attributes	6 Phase(s)	7 Assign	2 Delay	4 Carry-Over
0		59	45_7_	5	123 8		
1		60	45_7_	1	123 8		
2		61	45_7_	7_	123 8		
3		62	45_7_	3	123 8		
4		63	45_7_	2	123 8		
5		64	45_7_	6	123 8		
6		65	45_7_	4	123 8		
7		66	45_7_	8	123 8		
8		67	2	2	123 8		
9		68	2	6	123 8		
A		69	2	4	123 8		
B		70	2	8	123 8		
C		76	45_7_	2	123 8		
D		77	45_7_	6	123 8		
E		78	45_7_	4	123 8		
F		79	45_7_	8	123 8		

Detector Assignments <E/126+Column+Row> <D/0+Column+Row>

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

	D
Number of Digits	
1 st Digit	
2 ed Digit	
3 ed Digit	
4 th Digit	
5 th Digit	
6 th Digit	
7 th Digit	
8 th Digit	
9 th Digit	
10 th Digit	
11 th Digit	
12 th Digit	
13 th Digit	
14 th Digit	
15 th Digit	

<C/5+D+Row>

Dial-Back Telephone Number

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	1	A
DELAY-B	1	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

<D/0+B+Row> (seconds)

Delay Logic Times

Omit Alarm	#NAME?

<C/5+F+0>

Disable Alarm Reporting

Time	0	<C/5+C+0>

Redial Time (minutes)
(View Redial Timer at E/2+D+6)

Row	Time	Plan	Offset	Day of Week
0	07 : 00	7	A	_23456_
1	09 : 00	E	A	_23456_
2	15 : 00	8	A	_23456_
3	18 : 30	E	A	1234567
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.1+Row> (Bank 1)

Time	Funct.	Day of Week

TOD Function <7/0.1+Row>

Column 4 Phases/Bits

<E/27+4+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.1+Row> (Bank 1)

Time	Plan	Offset	Holiday Type

Holiday Events <9/1.1+Row> (Bank 1)

Row
0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F

T.O.D. Functions:
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select:
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Month Select:
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

Cycle Timer:
Master: C/0 + A + 0
Ring A: C/0 + B + 0
Ring B: C/0 + D + 0

Interval Timer:
Ring A: F/0 + A + Interval Row
Ring B: F/0 + B + Interval Row

Master Plan: C/0 + A + 2
Current Plan: C/0 + A + 3
TOD Plan: C/0 + A + 5

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination <9/0.2+Row> (Bank 2)

Time	Funct.	Holiday Type

Holiday TOD Function <7/0.2+Row>

Column 4 Phases/Bits

<E/28+Row>

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.2+Row> (Bank 2)

Time	Plan	Offset	Holiday Type

Holiday Events <9/1.2+Row> (Bank 2)

Row
0
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row	Plan Name ---->	1	2	3	4	5	6	7 AM	8 PM	9	Row
0	Cycle Length							112	136		0
1	Phase 1 - ForceOff							55	78		1
2	Phase 2 - ForceOff							0	0		2
3	Phase 3 - ForceOff										3
4	Phase 4 - ForceOff							38	58		4
5	Phase 5 - ForceOff							51	70		5
6	Phase 6 - ForceOff							0	0		6
7	Phase 7 - ForceOff								27		7
8	Phase 8 - ForceOff							38	58		8
9	Ring Offset										9
A	Offset 1							90	71		A
B	Offset 2										B
C	Offset 3										C
D	Perm 1 - End							11	14		D
E	Hold Release							255	255		E
F	Zone Offset							0	0		F

Coordination - Timing Plans <C/1+Plan+Row>

Row		E	Row
0			0
1	Plan 1 - Sync		1
2	Plan 2 - Sync		2
3	Plan 3 - Sync		3
4	Plan 4 - Sync		4
5	Plan 5 - Sync		5
6	Plan 6 - Sync		6
7	Plan 7 - Sync	_2___6__	7
8	Plan 8 - Sync	_2___6__	8
9	Plan 9 - Sync		9
A	NEMA Sync		A
B	NEMA Hold		B
C			C
D			D
E	Coord Extra		E
F			F

Sync Phases <C/1+E+Row>

Row											Row
0	Ped Adjustment										0
1	Perm 2 - Start								10		1
2	Perm 2 - End								40		2
3	Perm 3 - Start								40		3
4	Perm 3 - End								55		4
5	Reservice Time								0		5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall										9
A	Perm 1 Veh Phase								_____7_		A
B	Perm 1 Ped Phase										B
C	Perm 2 Veh Phase								___4___8		C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase								1___5___		E
F	Perm 3 Ped Phase										F

Coordination - Parameters <C/2+Plan+Row>

Row		F	Row
0	Free Lag		0
1	Plan 1 - Lag		1
2	Plan 2 - Lag		2
3	Plan 3 - Lag		3
4	Plan 4 - Lag		4
5	Plan 5 - Lag		5
6	Plan 6 - Lag		6
7	Plan 7 - Lag	_2_4_6_8	7
8	Plan 8 - Lag	_2_4_6_8	8
9	Plan 9 - Lag		9
A	External Lag		A
B			B
C			C
D			D
E			E
F			F

Lag Phases <C/1+F+Row>

Coordination Timing By: KH&A
Implemented on: 2/17/2010

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Spec. Funct. 1		NOT-3		Max 2		Pretimed		Set Monday		Dial 2 (7-Wire)		Sim Term		0
1	Spec. Funct. 2		NOT-4		System Det 1		Plan 1		Ext. Perm 1	210	Dial 3 (7-Wire)		EV-A	71	1
2	Spec. Funct. 3		OR-4 (a)		System Det 2		Plan 2		Ext. Perm 2		Offset 1 (7-Wire)		EV-B	72	2
3	Spec. Funct. 4		OR-4 (b)		System Det 3		Plan 3		Dimming		Offset 2 (7-Wire)		EV-C	73	3
4	NAND-3 (a)		OR-5 (a)		System Det 4		Plan 4		Set Clock		Offset 3 (7-Wire)		EV-D	74	4
5	NAND-3 (b)		OR-5 (b)		System Det 5		Plan 5		Stop Time	82	Free (7-Wire)		RR-1	51	5
6	NAND-4 (a)		OR-6 (a)		System Det 6		Plan 6		Flash Sense	81	Flash (7-Wire)		RR-2	52	6
7	NAND-4 (b)		OR-6 (b)		System Det 7		Plan 7		Manual Enable		Excl. Ped Omit		Spec. Event 1		7
8	OR-7 (a)		Fig 3 Diamond		System Det 8		Plan 8		Man. Advance		NOT-1		Spec. Event 2		8
9	OR-7 (b)		Fig 4 Diamond		Max Inhibit (nema)		Plan 9		External Alarm		NOT-2		External Lag		9
A	OR-7 (c)		AND-4 (a)		Force A (nema)		DELAY-A		Phase Bank 2		OR-1 (a)		AND-1 (a)		A
B	OR-7 (d)		AND-4 (b)		Force B (nema)		DELAY-B		Phase Bank 3		OR-1 (b)		AND-1 (b)		B
C	OR-8 (a)		NAND-1 (a)		C.N.A. (nema)		DELAY-C		Overlap Set 2		OR-2 (a)	203	AND-2 (a)		C
D	OR-8 (b)		NAND-1 (b)		Hold (nema)		DELAY-D		Overlap Set 3		OR-2 (b)	0	AND-2 (b)		D
E	OR-8 (c)		NAND-2 (a)		Max Recall		DELAY-E		Detector Set 2		OR-3 (a)		AND-3 (a)		E
F	OR-8 (d)		NAND-2 (b)		Min Recall		DELAY-F		Detector Set 3		OR-3 (b)		AND-3 (b)		F

Assignable Inputs <E/126+Column+Row>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Phase ON - 1		Preempt Fail		Flasher 0		Free		NOT-1		TOD Out 1		Dial 2 (7-Wire)		0
1	Phase ON - 2		Sp Evnt Out 1		Flasher 1		Plan 1		OR-1		TOD Out 2		Dial 3 (7-Wire)		1
2	Phase ON - 3		Sp Evnt Out 2		Fast Flasher		Plan 2		OR-2	210	TOD Out 3		Offset 1 (7-Wire)		2
3	Phase ON - 4		Sp Evnt Out 3		Fig 3 Diamond		Plan 3		OR-3		TOD Out 4		Offset 2 (7-Wire)		3
4	Phase ON - 5		Sp Evnt Out 4		Fig 4 Diamond		Plan 4		AND-1		TOD Out 5		Offset 3 (7-Wire)		4
5	Phase ON - 6		Sp Evnt Out 5				Plan 5		AND-2		TOD Out 6		Free (7-Wire)		5
6	Phase ON - 7		Sp Evnt Out 6				Plan 6		AND-3		TOD Out 7		Flash (7-Wire)		6
7	Phase ON - 8		Sp Evnt Out 7				Plan 7		NOT-2		TOD Out 8		Preempt		7
8	Ph. Check - 1		Sp Evnt Out 8		NOT-3		Plan 8	203	EV-A		Adv. Warn - 1		Low Priority A		8
9	Ph. Check - 2				NOT-4		Plan 9		EV-B		Adv. Warn - 2		Low Priority B		9
A	Ph. Check - 3		Detector Fail		OR-4		Spec. Funct. 3		EV-C		DELAY-A		Low Priority C		A
B	Ph. Check - 4		Spec. Funct. 1		OR-5		Spec. Funct. 4		EV-D		DELAY-B		Low Priority D		B
C	Ph. Check - 5		Spec. Funct. 2		OR-6		NAND-3		RR-1		DELAY-C				C
D	Ph. Check - 6		Central Control		AND-4		NAND-4		RR-2		DELAY-D				D
E	Ph. Check - 7		Excl. Ped DW		NAND-1		OR-7		Spec. Event 1		DELAY-E				E
F	Ph. Check - 8		Excl. Ped WK		NAND-2		OR-8		Spec. Event 2		DELAY-F				F

Assignable Outputs <E/127+Column+Row>

Row		Phase 1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 2 <C+0+F=2>

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type	0.3	<C/5+1+9>

TBC Transition

Lag Hold Phases		<C/5+1+A>

Coordinated Lag Hold Phases

Sync Output Time	0.0	<C/5+1+C>

7-Wire Master

Time B4 Yellow	0.0	<F/1+C+E>
Phase Number	0	<F/1+C+F>

Advance Warning Beacon - Sign 1

Time B4 Yellow	0.0	<F/1+D+E>
Phase Number	0	<F/1+D+F>

Advance Warning Beacon - Sign 2

Row		Phase 1	2	3	4	5	6	7	8
0	Ped Walk								
1	Ped FDW								
2	Min Green								
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension								
6	Max Gap								
7	Min Gap								
8	Max Limit								
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change								
F	Red Clear								

Phase Timing - Bank 3 <C+0+F=3>

	9	A	B	C	D
	---	---	---	---	---
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Long Failure	0.5	<F/1+0+6>
Short Failure	0.5	<F/1+0+7>

Power Cycle Correction (Default = 0.7)

Min Time (seconds)	0	<F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes)	0	<F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds)	0	<F/1+0+A>

Min Time Between Same Preempts
(Does Not Apply To Railroad Preempt)

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Low Pri. Channel	#NAME?	<E/125+C+8>

Disable Low Priority Channel

INTERSECTION: AVENIDA DE LAS TIENDAS @ FRIARS RD

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 1 <C+0+E=27>

Notes:

0 <E/27+5+F>
Limited Service Interval

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 2 <C+0+E=28>

Notes:

0 <E/28+5+F>
Limited Service Interval

14

TRAFFIC SIGNAL TIMING - BITS 152

PHASE TIMING

PHASE # →		1	2	3	4	5	6	7	8
WALK	0		7		7				
FLASH D/W	1		7		26				
MIN GREEN	2		10	4	4	2	10		
TYPE 3 DET	3								
ADD/VEH	4								
VEH EXTEN	5		3.2	2	2	2	3.2		
MAX GAP	6		3.2	2	2	2	3.2		
MIN GAP	7		0.2	2	2	2	0.2		
MAX EXTEN	8		45	30	30	20	45		
MAX 2	9		45	30	30	20	45		
	A								
	B								
REDUCE BY	C		0.1				0.1		
REDUCE EVERY	D		1.0				1.0		
YELLOW	E		3.5	3.5	3.5	3.0	3.5		
RED CLEAR	F		1.0	1.0	1.0	1.0	1.0		

PREEMPT

	E	
RR1 DELAY		
RR1 CLEAR		
EV A DELAY		
EV A CLEAR		
EV B DELAY	5.	
EV B CLEAR		5
EV C DELAY		6
EV C CLEAR		7
EV D DELAY		8
EV D CLEAR		9
RR2 DELAY		A
RR2 CLEAR		B
EV CLR TMR		C
EV DLY TMR		D
RR CLR TMR		E
RR DLY TMR		F

MAX INITIAL (F-0-E) = 0 KEYSTROKES: F + PHASE + LOCATION RED REVERT (F-0-F) = 5.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0		X	X	X	X	X		
RED LOCK	1								
YELLOW LOCK	2								
VEH RECALL	3		X				X		
PED RECALL	4								
PEDS	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
OVERLAP A	A								
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
STARTUP	E		X				X		
(RESERVED)	F								

KEYSTROKES: F + F + FUNCTION #

PHASE SEQUENCES

		PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)	0		X		X	X			X
LAG 1	1								
LAG 2	2								
LAG 3	3								
LAG 4	4								
LAG 5	5								
LAG 6	6								
LAG 7	7								
LAG 8	8								
LAG 9	9								
COOR MAX RECALL	A								
COOR LAG RECALL	B								
SYNC PHASES	C								
HOLD	D								
NEXT PHASE	E								
FORCE OFF	F								

KEYSTROKES: C + F + FUNCTION #

REMARKS:

LOC: Friars Rd. & Ulric / RT. 163 S/B ramps DATE: 9/30/85

ED-74 (5-83)

PAGE 1 OF ___

DETECTOR TIMES (332 CABINET)

Y \ X	1 SET DELAY	2 SET DELAY	3 SET CARRY	4 SET CARRY	5 OBS COUNT	6 OBS COUNT	7 OBS DELAY	8 OBS DELAY	9 OBS CARRY	A OBS CARRY
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U 1.8	6J2U 1.8	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L			2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4			2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L			4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8			4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L
E										
F										

KEYSTROKES: D + X + Y

TIME OF DAY FUNCTION

	TIME (24 HOUR)	FUN	DAY OF WEEK 1	2	3	4	5	6	7
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									
A									
B									
C									
D									
E									
F									

KEYSTROKES: 7 + EVENT NUMBER

PEDESTRIAN ASSIGNMENTS

LOC	SWITCH-PACK	INPUT CI PIN	PHASE 1	2	3	4	5	6	7	8
EF5	2P	67		X						
EF6	6P	68								
EF7	4P	69				X				
EF8	8P	70								

EMERGENCY VEHICLE PREEMPT ASSIGNMENTS

LOC	PREEM	INPUT CI PIN	PHASE 1	2	3	4	5	6	7	8
EEA	EVA	71								
EEB	EVB	72								
EEC	EVC	73								
EED	EVD	74								

RAILROAD PREEMPTION ASSIGNMENTS

LOC	PHASE	1	2	3	4	5	6	7	8
EE1	RR1 CLEAR								
EE2	RR2 CLEAR								
EE3	RR2 LMT OPS								

CONDITIONAL SERVICE D-F-O _____

LONG POWER FAIL CORRECTION F-O-6 _____

SHORT POWER FAIL CORRECTION F-O-7 _____

CURRENT TIME AND DATE

8-0 HOUR, MINUTE, DAY OF WEEK

8-1 DAY OF MONTH, YEAR, MONTH

C-4-9 SECONDS

15 LOCATION: **RTE 163 NB / FRIARS RD**

CALTRANS C8 Version 3 DATE: 3/4/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	1	1	1	1	1	1	1	CLK RST
1	DONT WALK	1	1	1	1	1	1	1	1	
2	MIN GREEN	1	12	1	5	1	1	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	0.9	2.0	0.9	2.0	0.9	0.9	0.9	0.9	
6	MAX GAP	0.9	2.0	0.9	2.0	0.9	0.9	0.9	0.9	
7	MIN GAP	0.9	2.0	0.9	2.0	0.9	0.9	0.9	0.9	
8	MAX EXT	9	40	9	40	9	9	9	9	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.0	5.0	3.0	4.0	3.0	3.0	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT									
	BIKE XING FT		75							

PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
EV SEL	0	PERMIT	1	2	3	4	5	6	7	8	0
RR1 CLR	5	RED LOCK									1
EVA DLY	0	YEL LOCK									2
EVA CLR	5	V RECALL		2							3
EVB DLY	0	P RECALL									4
EVB CLR	5	PED PHASES									5
EVC DLY	0	RT OLA									6
EVC CLR	5	RT OLB									7
EVD DLY	0	DBL ENTRY									8
EVD CLR	5	MAX 2 PHASES									9
MAX EV	255	LAG PHASES	READ ONLY								A
RR2 CLR	5	RED REST									B
		REST-IN-WALK									C
		MAX 3 PHASES									D
		YEL START UP		2							E
		FIRST PHASE				4					F
			1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 163 NB / FRIARS ROAD**

CALTRANS C8 DATE: 1/31/94

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAG								
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		X		X		X		X	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		X				X			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRP																							F

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER :
RTE 163 SB @ FRIARS

LOCATION	OFF	ON
1		X
2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 163 NB / FRIARS ROAD**

CALTRANS C8 DATE 1/31/94

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 163 NB / FRIARS ROAD**

CALTRANS C8 DATE : 1/31/94

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

D YELLOW YIELD COORDINATION

E TIME OF DAY FREE OPERATION

F FLASHING OPERATION

POLE SCHEDULE									
LOC.	STANDARD TYPE	MASTARM SIG.	MASTARM LUM.	PLACEMENT DIMENSIONS A ft.	PLACEMENT DIMENSIONS B ft.	SIGNAL MOUNTING & PLACEMENT VEHICLE POLE	SIGNAL MOUNTING & PLACEMENT VEHICLE MASTARM	SIGNAL MOUNTING & PLACEMENT PEDESTRIAN SIGNAL	SIGNAL MOUNTING & PLACEMENT PEDESTRIAN P.P.B	REMARKS
(A)	19-4-80	30' [1]	12'	DIM.	6	SV-1-T (LOCATE ON SIDE (1) & ES-3B	MAS (BOTH)			HPS-250 LUMINAIRE PEU
(B)	15 [2]		12' [2]	DIM.						HPS-250 LUMINAIRE (480 VOLT BALLAST)
(C)	23-4-80	35' [3]		10' FROM NOSE	CTR.	SV-2-T8 (LOCATE ON SIDE (4) ES-3B	(4) - MAT SINGLE SECT-MAT SINGLE SECT-MAT			
(D)	PEDESTRIAN BARRICADE - ES-6A. INSTALL STATE-FURNISHED SIGN PANEL R 49-2.									
(E)	PEDESTRIAN BARRICADE - ES-6A. INSTALL STATE-FURNISHED SIGN PANEL R 49-2.									
(F)	STATE-FURNISHED CONTROLLER ASSEMBLY (TYPE -170 FOUNDATION, ES-4B)									

CONDUCTOR SCHEDULE									
AWG SIZE	PHASE	CIRCUIT -	CONDUIT RUN & SIZE 1-1/2 (1)	1-1/2 (2)	2 (3)	1-1/2 (4)	2 (5)	1-1/2 (6)	1-1/2 (7)	1-1/2 (8)
#14	2	VEHICLE SIGNAL		3	3		3			
	4						3			
		CONTROLLER GREEN					1'			
		PHOTOELECTRIC UNIT		3	3		3	3	3	
#14		SPARES		3	3		3			
TOTAL NO. 14				9	9		13	3	3	
#10		SIGNAL COMMON		1	1		1			
		LIGHTING		2	2		2	2	2	
	2	LOOP DLC			1	2	3			
DLC	4		1	1	1		1			
# 8		EXIST. SIGNAL & LTG.						4		
# 4		SIGNAL CONTROLLER						2	2	
# 4		SERVICE								3
TOTAL CONDUCTORS / CABLES			1	13	14	2	20	7	11	3

CIRCUIT BREAKERS	
MAIN - 4P-70 AMP.	D - SPARE
A - SP-50 AMP. SIGNAL # P4.410	E - SPARE
B - SP-40 AMP. SIGNAL # P4.450	F - SPARE
C - SP-15 AMP. PEU	G - 2P-30 AMP. LIGHTING (2P-CONTACTOR)
	H - 2P-30 AMP. LIGHTING (2P-CONTACTOR)

SP TYPE H, EXIST. NO. A 4.44 NEW NO. A 4.42' P# 179930

MP TYPE III SERVICE EQUIPMENT CABINET (ES-2B)

PHASE DIAGRAM

EMERGENCY OPERATION: FLASH ALL SIGNALS RED.

WIRING DIAGRAM

1 SIGNAL # P4.410
2 SIGNAL # P4.450
3 PEU
4 SPARE
5 SPARE
6 LIGHTING

FROM NB RTE 163

TO NB RTE 163

FRIARS ROAD

CONTINUOUS GREEN (I-SECTION)

FROM NB RTE 163

TO 480V. SERVICE A 4.25 / B 4.376 E, FRIARS / ULRIC)

FRAZEE RD.

ROUTE 163 NB ON-RAMP AT FRIARS ROAD IN SAN DIEGO

SIGNAL AND LIGHTING

SIGNAL NO. P 4.410

SCALE IN FEET 0 20 40

SHEET E-1

Project Engineer	Date	Design Engineer	Date	Approval Recommended By	Date
D A GILMOUR	7/79	M A CHASE	7/79	R B FINDLAY	7/79

CU 11359 WO 188921

DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER NO. 3381

DATE APPROVED

DIST.	COUNTY	ROUTE	POST MILE	TOTAL SHEETS
11	SD	163	4.4	

NEW: A 4.42
EXIST: A 4.44

EXISTING SIGNAL # P4.450

40

16

INTERSECTION: FRAZEE RD & FRIARS RD

223 Pr( )m

Group Assignment: 4097
Field Master Assignment: NONE
N/S Street Name: FRAZEE RD
E/W Street Name: FRIARS RD
Last Database Change:
System Ref. Number: 531



Row	Column # --->	Phase 1	2	3	4	5	6	7	8
	Phase # --->								
0	Ped Walk		7				7		7
1	Ped FDW		20				22		42
2	Min Green	4	10	6	7	6	10	6	7
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	3.9	2.2	2.3	2.0	4.4	2.2	2.0
6	Max Gap	2.0	3.9	2.2	2.3	2.0	4.4	2.2	2.0
7	Min Gap	2.0	2.2	2.2	2.3	2.0	2.2	2.2	2.0
8	Max Limit	30	50	30	30	45	60	30	30
9	Max Limit 2	30	70	30	70	30	70	30	70
A	Bus Adv						7		
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.8				1.0		
E	Yellow	3.4	4.5	3.4	3.9	3.4	5.5	3.4	3.9
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row
<F Page>

	E
RR-1 Delay	0
RR-1 Clear	10
EV-A Delay	0
EV-A Clear	1
EV-B Delay	0
EV-B Clear	1
EV-C Delay	0
EV-C Clear	1
EV-D Delay	0
EV-D Clear	1
RR-2 Delay	0
RR-2 Clear	10
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12345678
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2_4_6__
4	Ped Recall	
5	Peds (View)	_2___6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	20
Red Revert	5.0
All Red Start	5.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	4
Zone Number	4
Area Number	4
Area Address	84
QuicNet Channel	DIGI5:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Overlap Timing

Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A			
Overlap B	B			
Overlap C	C			
Overlap D	D			

<F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	0
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	60	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

Timing Sheet By:
Approved By: G.P.
Drawing Number: 24306-13-D
Timing Implemented On:

INTERSECTION: FRAZEE RD & FRIARS RD

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	3 7
F	Assign 5 Outputs	8

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	2 6
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A	10.0	
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3	Bus Detect	
4	10.0	
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: FRAZEE & FRIARS

2: rogram

Group Assignment: 4097
Field Master Assignment: NONE

N/S Street Name: FRAZEE
E/W Street Name: FRIARS

Last Database Change:
Timing Sheet By: EFF
Approved By: MM
System Ref. Number: 531
Drawing Number: 24306-13-D
Timing Implemented On: 1/8/01

Row	Column # → / Phase # →	1 FRIARS	2 FRIARS	3 FRAZEE	4 FRAZEE	5 FRIARS	6 FRIARS	7	8
0	Ped Walk	0	7	7	0	0	7	0	0
1	Ped FDW	0	* 20 ~~17~~	* 42 ~~37~~	0	0	* 22 ~~19~~	0	0
2	Min Green	4	10	⑦ 7 ~~4~~	⑦ 7 ~~4~~	4	10	0	0
3	Type 3 Limit	0	0	0	0	0	0	0	0
4	Add/Veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Veh Extn	2.0	3.9	2.0	2.0	2.0	3.1	0.0	0.0
6	Max Gap	2.0	3.9	2.0	2.0	2.0	3.1	0.0	0.0
7	Min Gap	2.0	2.2 ~~0.2~~	2.0	2.0	2.0	2.2 ~~0.2~~	0.0	0.0
8	Max Limit	30	40	30	30	40	40	0	0
9	Max Limit 2	30	60	40	40	50	80 MM ~~60~~	0	0
A	Bus Adv	0	0	0	0	0	11/3/02 ~~5~~ 0	7.0	0	0
B	Call to Phs	0	0	0	0	0	0	EFF	0	0
C	Reduce By	0.0	0.1	0.0	0.0	0.0	0.1	8/7/02	0.0	0.0
D	Every	0.0	0.8	0.0	0.0	0.0	1.0	0.0	0.0
E	Yellow	3.4 ① ~~3.0~~	4.5	3.9 ⑧ ~~3.0~~	⑧ 3.7 ~~3.0~~	⑧ 3.4 ~~3.0~~	5.5	0.0	0.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

EFF 1/4/02

*12/13/02 JD; ADJUSTED PED FDW USING 3.5 FPS WALK SPEED TO IMPROVE SAFETY FOR DISABLED PEDS.

DWH 6/11/03

Row		E	Preempt Timing F + E + Row
0	RR-1 Delay	0	
1	RR-1 Clear	0	
2	EV-A Delay	0	
3	EV-A Clear	0	
4	EV-B Delay	0	
5	EV-B Clear	0	
6	EV-C Delay	0	
7	EV-C Clear	0	
8	EV-D Delay	0	
9	EV-D Clear	0	
A	RR-2 Delay	0	
B	RR-2 Clear	0	
C	View EV Delay	---	
D	View EV Clear	---	
E	View RR Delay	---	
F	View RR Clear	---	

Row		F	Phase Functions F + F + Row <F Page>
0	Permit	123456__	
1	Red Lock		
2	Yellow Lock		
3	Min Recall	_2__6__	
4	Ped Recall		
5	Peds (View)	_23__6__	
6	Rest In Wal		
7	Red Rest		
8	Dbl Entry		
9	Max Recall		
A	Soft Recall		
B	Max 2		
C	Cond Serv		
D	Ped Lock	12345678	
E	Yellow Start	_2__6__	
F	1st Phases	__3_____	

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	4	C + 0 + 0
Zone Number	4	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	84	C + 0 + 3
QuicNet Channel	DIGI86:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Row		G Green Clear	C Yellow Change	D Red Clear	D Load-Switch #
A	Overlap A	0.0	0.0	0.0	0
B	Overlap B	0.0	0.0	0.0	0
C	Overlap C	0.0	0.0	0.0	0
D	Overlap D	0.0	0.0	0.0	0

Overlap Timing <F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Downtime Flash	60 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Disable Ports	_234____

Disable Communication Ports
D + D + 9

BUS PRIORITY SIGNAL WESTBOUND DRIVEN BY PHASE 6 PED YELLOW

Printed on 12/06/2000 10:40 AM

Row	1 Delay	3 Carry-over	Detector Name	332 Input File	Detector Number
0	0.0	0.0		1I1	14
1	0.0	1.8		2I2U	1
2	0.0	0.0		2I2L	5
3	0.0	0.0		2I3U	21
4	0.0	0.0		2I3L	25
5	0.0	0.0		2I4	9
6	4.0	0.0		3I5	16
7	0.0	0.0		4I6U	3
8	0.0	0.0		4I6L	7
9	0.0	0.0		4I7U	23
A	10.0	0.0		4I7L	27
B	0.0	0.0		4I8	11
C	0.0	0.0		1I9U	18
D	0.0	0.0		3I9L	20
E	---	---	---	---	---
F	---	---	---	---	---

Row	2 Delay	4 Carry-over	Detector Name	332 Input File	Detector Number
0	0.0	0.0		5J1	13
1	0.0	1.8		6J2U	2
2	0.0	0.0		6J2L	6
3	Bus Detect	0.0		6J3U	22
4	10.0	0.0		6J3L	26
5	0.0	0.0		6J4	10
6	0.0	0.0		7J5	15
7	0.0	0.0		8J6U	4
8	0.0	0.0		8J6L	8
9	0.0	0.0		8J7U	24
A	0.0	0.0		8J7L	28
B	0.0	0.0		8J8	12
C	0.0	0.0		5J9U	17
D	0.0	0.0		7J9L	19
E	---	---	---	---	---
F	---	---	---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)
(These parameters are NOT downloaded.)

Group Assignment:
Field Master Assignment:

N/S Street Name: Mission C Rd
E/W Street Name: W/B Friai

Last Database Change:
System Ref. Number:

	Mission Center		Mission Center	W/B Friars
Column # --->	Phase			
Phase # --->	1	2	5	6	7	8
Row		↑	↰	↓		←
0	Ped Walk		7			7		7
1	Ped FDW		13			10		23
2	Min Green		10		4	10		4
3	Type 3 Limit							
4	Add/Veh							
5	Veh Extn		2.6		2.0	4.7		3.0
6	Max Gap		2.6		2.0	4.7		3.0
7	Min Gap		0.2		2.0	0.2		3.0
8	Max Limit		60		40	60		40
9	Max Limit 2							
A	Bus Adv							
B	Call to Phs							
C	Reduce By		0.1			0.1		
D	Every		1.2			0.7		
E	Yellow		4.3		3.4	5.3		3.9
F	Red Clear		1.0		1.0	1.0		1.0

Phase Timing - Bank 1 <F Page>
F + Phase + Row

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	
	EV-B Clear	
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	_2__56_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2___6__
4	Ped Recall	
5	Peds (View)	_2___6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	_____8

Phase Functions <F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	6	C + 0 + 0
Zone Number	6	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	70	C + 0 + 3
QuicNet Channel	COM89	(QuicNet)

Communication Addresses

C + F + O	P	Row
Free Lag	_2__6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto **Manual** Flash
F + 0 +8

Disable Ports	_234_

Disable **Communication Ports**
D + D + 9

Timing Sheet By: KT
Approved By: FLG
Drawing Number: 27009-20-D
Timing Implemented On:

ERSECTION: Mission Center Rd @ W/B Friars Rd

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00 : 01	E	1234567	1
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Leg Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	8
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	2

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Prelimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		
2		
3		1.8
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7	10.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: Mission Center Rd @ W/B Friars Rd

223 Program

Row	Column # →	1	2	3	4	5	6	7	8	9
	Plan Name →		MID	PM	AM					
0	Cycle Length		102	108	90		80			
1	Phase 1 - ForceOff									
2	Phase 2 - ForceOff		0	0	0		0			
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff									
5	Phase 5 - ForceOff		60	59	56		48			
6	Phase 6 - ForceOff		0	0	0		0			
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff		38	36	36		25			
9	Ring Offset									
A	Offset A		48	10	2		76			
B	Offset B									
C	Offset C									
D	Permissive		10	10	10		10			
E	Hold Release		255	255	255		255			
F	Ped Shift		0	0	0		10			

Plan

Coordination Timing By: KT
Implemented On:

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Coordination <C Page>

C + Plan + ROW

Row	Time	Plan	Offset	Day of Week
0	07 : 00	4	A	23456
1	09 : 00	E	A	23456
2	11 : 00	6	A	1 7
3	11 : 30	2	A	23456
4	14 : 00	3	A	23456
5	17 : 30	E	A	1234567
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E	Row		F
		0	Free Lag	2 6 8
Plan 1		1	Plan 1 - Lag	
Plan 2	2 6	2	Plan 2 - Lag	2 6 8
Plan 3	2 6	3	Plan 3 - Lag	2 6 8
Plan 4	2 6	4	Plan 4 - Lag	2 6 8
Plan 5		5	Plan 5 - Lag	
Plan 6	2 6	6	Plan 6 - Lag	2 6 8
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

INT SECTION: MISSION CENTER & W/B FRIARS

223 Pro n

Group Assignment: 4095
Field Master Assignment: None

N/S Street Name: MISSION CENTER
E/W Street Name: W/B FRIARS

Last Change:
Timing Sheet By: EFF
Approved By:

Drawing Number: 25843-12-D
System Ref. Num.: 525
Timing Implemented on: 12/5/01

N

Row	Column # ---->	MISSION CENTER 1	2 ↑	3	4	MISSION CENTER 5 ←	6 ↓	7	W/B FRIARS 8 ←
	Phase # ---->								
0	Ped Walk		7				7		5 7
1	Ped FDW		12				9		24
2	Min Green		10			4	10		6 4
3	Type 3 1 Limit								
4	Add/Veh								
5	Veh Extn		4.8			3 2.0	4.8		3.0
6	Max Gap		4.8			3 ~~2.0~~	4.8		3.0
7	Min Gap		4.8 ~~0.2~~			3 ~~2.0~~	0.2		3.0
8	Max Limit		60			40	60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		~~0.1~~				0.1		
D	Every		~~0.6~~				0.6		
E	Yellow		4.0			3.4 ~~3.0~~	5.0		3.9 ~~3.0~~
F	Red Clear		1.0			1.0	1.0		1.0

Phase Timing - Bank 1
F + Phase + Row

Row	E	Preempt Timing
0		RR-1 Delay
1		RR-1 Clear
2	0	EV-A Delay
3	0	EV-A Clear
4		EV-B Delay
5		EV-B Clear
6	0	EV-C Delay
7	0	EV-C Clear
8	0	EV-D Delay
9	0	EV-D Clear
A		RR-2 Delay
B		RR-2 Clear
C	---	View EV Delay
D	---	View EV Clear
E	---	View RR Delay
F	---	View RR Clear

F + E + Row

Row	F	Phase Functions
0	_2__56_8	Permit
1		Red Lock
2		Yellow Lock
3	_2___6__	Min Recall
4	_2 ___	Ped Recall
5	_2___6_8	Pods (View)
6		Rest in Walk
7		Red Rest
8		Dbl Entry
9		Max Recall
A		Soft Recall
B		Max 2
C		Cond Serv
D	12345678	Ped Lock
E	_2___6__	Yellow Start
F	_____8	1st Phases

F + F + Row

① WH 10/18/03

EFF 12/5/01

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	6	C + 0 + 0
Zone Number	6	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	70	C + 0 + 3
QuicNet Channel	DIGI85:	(QuicNet)

Communication Addresses
C + F + O

Row	Free Lag
0	_2___6_8

Lag Phases <C Page>

Row		9 Green Clear	A Yellow Change	B Red Clear	10 Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page>
F + COLON +
<D Page>
D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + D + 1

Manual Selection

Manual Plan
0 = Automatic
1-0 = Plan 1-0
14 = Free
15 = Flash

Manual Offset 0
= Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communications Ports
D + D + 9

(1)

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00:01 ~~00 : 00~~	E 0	1234567	1
1	00 : 00	0		
2	00 : 00	0		
3	00 : 00	0		
4	00 : 00	0		
5	00 : 00	0		
6	00 : 00	0		
7	00 : 00	0		
8	00 : 00	0		
9	00 : 00	0		
A	00 : 00	0		
B	00 : 00	0		
C	00 : 00	0		
D	00 : 00	0		
E	00 : 00	0		
F	00 : 00	0		

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest in Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: MISSION CENTER & W/B FRIARS

223 Program

Row	1 Delay	3 Carry-over	Detector Name	332 Input File	Detector Number
0				1I1	14
1				2I2U	1
2		1.8		2I2L	5
3		1.8		2I3U	21
4				2I3L	25
5				2I4	9
6				3I5	16
7				4I6U	3
8				4I6L	7
9				4I7U	23
A				4I7L	27
B				4I8	11
C				1I9U	18
D				3I9L	20
E		---	---	---	---
F	---	---	---	---	---

Row	2 Delay	4 Carry-over	Detector Name	332 Input File	Detector Number
0				5J1	13
1		1.8		6J2U	2
2		1.8		6J2L	6
3				6J3U	22
4		1.8		6J3L	26
5				6J4	10
6				7J5	15
7	10.0			8J6U	4
8	10	1.8		8J6L	8
9				8J7U	24
A		1.8		8J7L	28
B				8J8	12
C				5J9U	17
D				7J9L	19
E	---	---	---	---	---
F	---	---	---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+8
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

(These parameters are NOT downloaded.)

INTERSECTION: MISSION CENTER Rd & WB FRIARS Rd

223 Program

Row	Column # ---> / Plan Name --->	Plan 1	2	3	4	5	6	7	8	9
0	Cycle Length			70	75	70	80			
1	Phase 1 - ForceOff									
2	Phase 2 - ForceOff			0	0	0	0			
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff									
5	Phase 5 - ForceOff			50	55	50	48			
6	Phase 6 - ForceOff			0	0	0	0			
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff			25	25	25	25			
9	Ring Offset									
A	Offset A			56	18	56	76			
B	Offset B									
C	Offset C									
D	Permissive			10	10	10	10			
E	Hold Release			255	255	255	255			
F	Ped Shift			10	10	10	10			

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: EFF/ WH

Implemented On: 3/15/2005

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	11 : 00	6	A	1234567
1	13 : 00	3	A	_23456_
2	15 : 00	4	A	_23456_
3	17 : 30	E	A	1234567
4	10 : 00	5	A	1____7
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	
Plan 1		1	Plan 1 - Lag	
Plan 2		2	Plan 2 - Lag	
Plan 3	_2___6__	3	Plan 3 - Lag	_2___6_8
Plan 4	_2___6__	4	Plan 4 - Lag	_2___6_8
Plan 5	_2___6__	5	Plan 5 - Lag	_2___6_8
Plan 6	_2___6__	6	Plan 6 - Lag	_2___6_8
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Plan Select

1 thru 9 = Coordination Plan 1 thru 9

14 or E = Free

15 or F = Flash

Transition Type	0

TBC Transition

C + D + D

Transition Type

0 = Shortway

Non-zero = Lengthen

Coordination Timing By: EFF
Implemented On: 12/5/01

Row	Plan Name --->	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length			70	75					
1	Phase 1 - ForceOff									
2	Phase 2 - ForceOff	0	0	0	0					
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff									
5	Phase 5 - ForceOff		0	50 0	55 0					
6	Phase 6 - ForceOff	0		28	28					
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff			25 50	25 50					
9	Ring Offset									
A	Offset A			56	18 4					
B	Offset B									
C	Offset C									
D	Permissive			10	10					
E	Hold Release			255	255					
F	Ped Shift			10 0	10 0					

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Coordination <C Page>
C + Plan + ROW

Row	Time	Plan	Offset	Day of Week
0	11 : 00	3	A	1234567
1	15 : 00	4	A	23456
2	1730 19 : 00	E	A	1234567
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Coordination
<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E
Plan 1	2 6
Plan 2	2 5
Plan 3	2 5 6
Plan 4	2 5 6
Plan 5	
Plan 6	
Plan 7	
Plan 8	
Plan 9	
Coord Ped*	
NEMA Hold	

Sync Phases
C + E + FUNCTION #

Row		F
0	Free Lag	2 6 8
1	Plan 1 - Lag	2 6 8
2	Plan 2 - Lag	2 6 8
3	Plan 3 - Lag	2 6 8
4	Plan 4 - Lag	2 6 8
5	Plan 5 - Lag	
6	Plan 6 - Lag	
7	Plan 7 - Lag	
8	Plan 8 - Lag	
9	Plan 9 - Lag	
A	Coord Max *	
B	Coord Lag *	
C		
D		
E		
F		

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway.
Non-zero = Lengthen

18

INTERSECTION: E/B Friars Rd @ Mission Center Rd

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: Mission Cer
E/W Street Name: E/B Friars R

Last Database Change:
System Ref. Number:

N

Mission Center | E/B Friars | Mission Center

Row	Column # ---> / Phase # --->	Phase 1	2	3	4	5	6	7	8	Row
		L	↑		→		↓			
0	Ped Walk		7				7			0
1	Ped FDW		12				13			1
2	Min Green	4	10		10		10			2
3	Type 3 Limit									3
4	Add/Veh									4
5	Veh Extn	2.0	4.0		3.0		3.5			5
6	Max Gap	2.0	4.0		3.0		3.5			6
7	Min Gap	2.0	4.0		3.0		0.2			7
8	Max Limit	30	60		40		60			8
9	Max Limit 2									9
A	Bus Adv									A
B	Call to Phs									B
C	Reduce By						0.1			C
D	Every						0.9			D
E	Yellow	3.4	4.3		3.9		4.8			E
F	Red Clear	1.0	1.0		1.0		1.0			F

Phase Timing - Bank 1 <F Page>
F + Phase + Row

Row	B	Row
RR-1 Delay		0
RR-1 Clear		1
EV-A Delay	0	2
EV-A Clear	0	3
EV-B Delay	0	4
EV-B Clear	0	5
EV-C Delay	0	6
EV-C Clear	0	7
EV-D Delay		8
EV-D Clear		9
RR-2 Delay		A
RR-2 Clear		B
View EV Delay	---	C
View EV Clear	---	D
View RR Delay	---	E
View RR Clear	---	F

Preempt Timing
F + E + Row

Row	F	Row
Permit	12_4_6__	0
Red Lock		1
Yellow Lock		2
Min Recall	_2___6__	3
Ped Recall		4
Peds (View)	_2___6__	5
Rest In Walk		6
Red Rest		7
Dbl Entry		8
Max Recall		9
Soft Recall		A
Max 2		B
Cond Serv		C
Ped Lock	12345678	D
Yellow Start	_2___6__	E
1st Phases	___4____	F

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	5
Zone Number	5
Area Number	4
Area Address	69
QuicNet Channel	COM89

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR +
<D Page> D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234_

Disable Communication Ports
D + D + 9

Timing Sheet By: KT
Approved By: FLG
Drawing Number: 27089-19-D
Timing Implemented On:

INTERSECTION: E/B FRIARS & MISSION CENTER

223 | gram

Group Assignment: 4095
Field Master Assignment: NONE

N/S Street Name: MISSION CENTER
E/W Street Name: E/B FRIARS

Last Database Change: 06/12/200
System Ref. Number: 524
Drawing Number: 25843-11-D
Timing Implemented On: 12/5/01

Timing Sheet By: EFF
Approved By:

Column # --->		MISSION CTR		E/B FRIARS			MISSION CTR		
Phase # --->		1	2	3	4	5	6	7	8
Row		↳	↑		→		↓		
0	Ped Walk	0	7	0	0	0	7	0	0
1	Ped FDW	0	14	0	0	0	13	0	0
2	Min Green	~~8~~ 4	10	0	~~10~~ 4	0	10	0	0
3	Type 3 Limit	0	0	0	0	0	0	0	0
4	Add/Veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Veh Extn	3 ~~2.0~~	4.0	0.0	3.0	0.0	3.7	0.0	0.0
6	Max Gap	3 ~~2.0~~	4.0	0.0	3.0	0.0	3.7	0.0	0.0
7	Min Gap	3 ~~2.0~~	4.0	0.0	3.0	0.0	0.2	0.0	0.0
8	Max Limit	30	60	0	40	0	60	0	0
9	Max Limit 2	0	0	0	0	0	0	0	0
A	Bus Adv	0	0	0	0	0	0	0	0
B	Call to Phs	0	0	0	0	0	0	0	0
C	Reduce By	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
D	Every	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
E	Yellow	3.4 ~~3.0~~	4.0	0.0	3.9 ~~3.0~~	0.0	4.6	0.0	0.0
F	Red Clear	1.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0

Phase Timing - Bank 1
F + Phase + Row <F Page>

Row		E
0	RR-1 Delay	0
1	RR-1 Clear	0
2	EV-A Delay	0
3	EV-A Clear	0 ~~3~~
4	EV-B Delay	0
5	EV-B Clear	0 ~~3~~
6	EV-C Delay	0
7	EV-C Clear	0 ~~3~~
8	EV-D Delay	0
9	EV-D Clear	0
A	RR-2 Delay	0
B	RR-2 Clear	0
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12_4_6__
1	Red Lock	
2	Yellow Lock	~~3~~ 4
3	Min Recall	_2___6__
4	Ped Recall	
5	Peds (View)	_2___6__
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4____

Phase Functions <F Page>
F + F + Row

(1) 10/8/03 WIT

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	5	C + 0 + 0
Zone Number	5	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	69	C + 0 + 3
QuicNet Channel	DIGI85:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A	0.0	0.0	0.0	0
B	Overlap B	0.0	0.0	0.0	0
C	Overlap C	0.0	0.0	0.0	0
D	Overlap D	0.0	0.0	0.0	0

Overlap Timing <F Page> F + COLOR + <D Page> D + 0 + OVERLAP

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

0 EFF 12/5/01

Manual Plan	~~14~~ 0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

8

Row	1 Delay	3 Carry-over
0		
1		
2		
3		
4		
5		
6		
7	10.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		1.8
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		6 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: MISSION CENTER Rd & EB FRIARS Rd

223 Prog. n

		Plan								
	Column # --->	1	2	3	4	5	6	7	8	9
Row	Plan Name --->									
0	Cycle Length			70	75	70	80			
1	Phase 1 - ForceOff			40	46	40	50			
2	Phase 2 - ForceOff			0	0	0	0			
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff			19	21	19	26			
5	Phase 5 - ForceOff									
6	Phase 6 - ForceOff			0	0	0	0			
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff									
9	Ring Offset									
A	Offset A			50	1	50	73			
B	Offset B									
C	Offset C									
D	Permissive			10	10	10	10			
E	Hold Release			255	255	255	255			
F	Ped Shift			0	0	0	0			

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: EFF/ WH
Implemented On: 3/15/2005

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	11 : 00	6	A	1234567
1	13 : 00	3	A	_23456_
2	15 : 00	4	A	_23456_
3	17 : 30	E	A	1234567
4	10 : 00	5	A	1____7
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	
Plan 1		1	Plan 1 - Lag	
Plan 2		2	Plan 2 - Lag	
Plan 3	_2___6__	3	Plan 3 - Lag	_2_4_6__
Plan 4	_2___6__	4	Plan 4 - Lag	_2_4_6__
Plan 5	_2___6__	5	Plan 5 - Lag	_2_4_6__
Plan 6	_2___6__	6	Plan 6 - Lag	_2_4_6__
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

INTERSECTION: E/B Friars Rd @ Mission Center Rd

223 Program

Row	Plan Name →	Plan 1	Plan 2 MID	Plan 3 PM	Plan 4 AM	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length		102	108	90		80			
1	Phase 1 - ForceOff		25	32	20		50			
2	Phase 2 - ForceOff		0	0	0		0			
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff		55	66	50		26			
5	Phase 5 - ForceOff									
6	Phase 6 - ForceOff		25	32	20		0			
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff									
9	Ring Offset									
A	Offset A		45	107	6		73			
B	Offset B									
C	Offset C									
D	Permissive		25	32	20		10			
E	Hold Release		255	102	255		255			
F	Ped Shift		0	0	0		0			

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: KT

Implemented On:

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	07 : 00	4	A	23456
1	09 : 00	E	A	23456
2	11 : 00	6	A	1 7
3	11 : 30	2	A	23456
4	14 : 00	3	A	23456
5	17 : 30	E	A	1234567
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	2 4 6
Plan 1		1	Plan 1 - Lag	
Plan 2	2	2	Plan 2 - Lag	1 4 6
Plan 3	2	3	Plan 3 - Lag	1 4 6
Plan 4	2	4	Plan 4 - Lag	1 4 6
Plan 5		5	Plan 5 - Lag	
Plan 6	2 6	6	Plan 6 - Lag	2 4 6
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Transition Type
0 = Shortway
Non-zero = Lengthen

INTERSECTION: E/B FRIARS & MISSION CENTER

223 Proc n

Row	Time	Function	Day of Week	Column F: Phases/Bits
0	00:01 ~~00:00~~	E 0	1234567	1
1	00 : 00	0		
2	00 : 00	0		
3	00 : 00	0		
4	00 : 00	0		
5	00 : 00	0		
6	00 : 00	0		
7	00 : 00	0		
8	00 : 00	0		
9	00 : 00	0		
A	00 : 00	0		
B	00 : 00	0		
C	00 : 00	0		
D	00 : 00	0		
E	00 : 00	0		
F	00 : 00	0		

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration

E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Prelimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: E/B FRIARS & MISSION CENTER

223 Program

Row	1 Delay	3 Carry-over
0	0.0	0.0
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	10.0	0.0
8	0.0	0.0
9	0.0	0.0
A	0.0	1.8 0.0
B	0.0	0.0
C	0.0	0.0
D	0.0	0.0
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0	0.0	0.0
1	0.0	1.8
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
A	0.0	0.0
B	0.0	0.0
C	0.0	0.0
D	0.0	0.0
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.0	F+0+6
Short Failure	0.0	F+0+7

Power Cycle Correction (Default = 0.5)

TRAFFIC SIGNAL TIMING -

PROGRAM 2005

8

N

		Miss Cut	E/B Phase Timing Ramp				Miss Cut		
INTERVAL		1	2	3	4	5	6	7	8
WALK	0		7				7		
FLASH D/W	1		14				13		
MIN GREEN	2	4	10		4		10		
TYPE 3 DET	3								
ADD/VEH	4								
VEH EXTEN *	5	2.0	4.0		3.0		3.4		
MAX GAP *	6	2.0	4.0		3.0		3.4		
MIN GAP *	7	2.0	4.0		3.0		0.2		
MAX EXTEN	8	30	60		40		60		
MAX 2	9								
	A								
CALL TO PHASE	B								
REDUCE BY	C						0.1		
REDUCE EVERY	D						0.9		
YELLOW	E	~~3.4~~ 3.0	4.0		~~3.0~~ 3.0		4.0		
RED CLEAR	F	1.0	1.0		1.0		1.0		

PREEMPT		
	E	
RR1 DELAY		0
RR1 CLEAR		1
EVA DELAY	0	2
EVA CLEAR	3	3
EVB DELAY	0	4
EVB CLEAR	3	5
EVC DELAY	0	6
EVC CLEAR	3	7
EVD DELAY		8
EVD CLEAR		9
RR2 DELAY		A
RR2 CLEAR		B
EV CLR TMR		C
EV DLY TMR		D
RR CLR TMR		E
RR DLY TMR		F

MAX INITIAL (F-0-E) = 0 (KEYSTROKES: F + PHASE + LOCATION)

RED REVERT (F-0-F) = 5.0

ALL RED START (F-C-0) = 0

* MUST BE SAME FOR NON-DENSITY OPERATION

PHASE FUNCTION FLAGS

KEYSTROKES: F+F+FUNCTION#

FUNCTION		PHASE 1	2	3	4	5	6	7	8
PERMIT	0	X	X		X		X		
RED LOCK	1								
YELLOW LOCK	2								
VEH RECALL	3		X				X		
PED RECALL	4								
PEDS	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A								
MAX 2	B								
COND SERVE	C								
RESERVED	D								
STARTUP	E		X				X		
FIRST PHASES	F				X				

OVERLAP TIMING

KEYSTROKE: F+ COLOR CODE+OVERLAP

	9 GREEN	C YELLO	D RED
OVERLAP A			
OVERLAP B			
OVERLAP C			
OVERLAP D			

PHASE SEQUENCES (CFO)

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X		X		X		

DRAWING NO. 25843-11-D

LOC: FRIARS RD (E/B RAMP) & MISSION CENT RD

DATE: T.O. 11:30 10-08-92

PAGE 1 OF 3

DETECTOR TIMES (332 CABINET)

X → / Y ↓	SET DELAY 1	SET DELAY 2	SET CARRY 3	SET CARRY 4	OBS COUNT 5	OBS COUNT 6	OBS DELAY 7	OBS DELAY 8	OBS CARRY 9	OBS CARRY A
0	111	5J1	111	5J1	111	5J1	111	5J1	111	5J1
1	212U	6J2U	212U	6J2U 1.8	212U	6J2U	212U	6J2U	212U	6J2U
2	212L	6J2L	212L	6J2L	212L	6J2L	212L	6J2L	212L	6J2L
3	213U	6J3U	213U	6J3U	213U	6J3U	213U	6J3U	213U	6J3U
4	213L	6J3L	213L	6J3L			213L	6J3L	213L	6J3L
5	214	6J4	214	6J4			214	6J4	214	6J4
6	315	7J5	315	7J5	315	7J5	315	7J5	315	7J5
7	416U 10	8J6U	416U	8J6U	416U	8J6U	416U	8J6U	416U	8J6U
8	416L	8J6L	416L	8J6L	416L	8J6L	416L	8J6L	416L	8J6L
9	417U	8J7U	417U	8J7U	417U	8J7U	417U	8J7U	417U	8J7U
A	417L	8J7L	417L 1.8	8J7L			417L	8J7L	417L	8J7L
B	418	8J8	418	8J8			418	8J8	418	8J8
C	119U	5J9U	119U	5J9U	119U	5J9U	119U	5J9U	119U	5J9U
D	319L	7J9L	319L	7J9L	319L	7J9L	319L	7J9L	319L	7J9L
E										
F										

KEYSTROKES: D + X + Y

TIME OF DAY FEATURES

EVENT	TIME	FUNCT	DAY OF WEEK S	M	T	W	T	F	S
FLG 0	0830	3	X	X	X	X	X	X	X
1	1500	3	X	X	X	X	X	X	X
2									
3									
4									
5									
6									
7									
8									
9									
A									
B									
C									
D									
E									
F									

KEYSTROKES: 7+EVENT#

FUNCTION BY PHASE

	1	2	3	4	5	6	7	8
0	X	X				X		
1		X				X		
2								
3								
4								
5								
6								
7								
8								
9								
A								
B								
C								
D								
E								
F								

KEYSTROKES: D-F-EVENT #

TIME OF DAY LOCAL FUNCTION CODES

0 - PERMIT	7 - PED REST	E - 1 - LOCAL OVERIDE	F - TOD OUTPUTS
1 - PED LOCK	8 - DBL ENTRY	2 - PHASE BANK 2	1 - TOD OUT 1
2 - YELLOW LOCK	9 - VEH MAX RCL	3 - PHASE BANK 3	2 - TOD OUT 2
3 - VEH RECALL	A - SOFT RECALL	7 - DET COUNT	3 - TOD OUT 3
4 - PED RECALL	B - MAX II EXT	8 - SPLIT MONITOR	4 - TOD OUT 4
5 - RESERVED	C - COND SERVE		
6 - REST IN WALK	D - TOD LAG Ø		

CURRENT TIME AND DATE

8-0 HOUR, MINUTE, DAY OF WEEK
8-1 DAY OF MONTH, YEAR, MONTH
8-F SECONDS

CONFIGURATION DATA

NOTE "E" KEY ENABLED (F-9-E ≠ 0)

KEYSTROKES: E+E+INTERVAL

INTERVAL	PHASE 1	2	3	4	5	6	7	8
0 EXCLU PH								
1 RR1 GRN CL								
2 RR2 GRN CL								
3 RR2 LTD								
4								
5 OLA GOMIT								
6 OLB GOMIT								
7 OLC GOMIT								
8 OLD GOMIT			V					
9 OU FL YEL								
A EMVEH A		X						
B EMVEH B				X				
C EMVEH C	X					X		
D EMVEH D								
E EXTRA	X		X	X				
F IC SELECT								

EXTRA. (E+E+E)
1-TBC TYPE
2-NEMA COOD
3-DAYLIGHT SAV
4-EV ADVANCE
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSEL: (E+E+F)
1- SIMPLEX IN
2-2-WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
7-7 WIRE OUT

ASSIGNS (E+F+F)
1-ART OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEAC
4-FLASH EV BEAC

KEYSTROKES: E+F+INTERVAL

INTERVAL	PHASE 1	2	3	4	5	6	7	8
0								
1 RR OLAP A								
2 RR OLAP B								
3 RR OLAP C								
4 RR OLAP D								
5 PED2P		X						
6 PED6P						X		
7 PED4P								
8 PED8P								
9 FLH YELO								
A OVERLAP A								
B OVERLAP B								
C OVERLAP C								
D OVERLAP D								
E RESTRICT								
F ASSIGNS								

COORDINATION TIMING

KEYSTROKES: C+PLAN+FEATURE

200SA

FEATURE		PLAN 1	2	3	4	5	6	7	8	9	
CYCLE	0	60	50	65							0
FORCE1	1	40	25	40							1
FORCE2	2	—	—	—							2
FORCE3	3	/	/	/							3
FORCE4	4	20	13	20							4
FORCE5	5	/	/	/							5
FORCE6	6	—	—	—							6
FORCE7	7	/	/	/							7
FORCE8	8	/	/	/							8
RING OFFSET	9										9
OFFSET A	A	28	5	22							A
OFFSET B	B										B
OFFSET C	C										C
PERMISSIVE	D	10	5	10							D
HOLD RELEASE	E	255	255	255							E
ZONE OFFSET	F	0	0	0							F

ADDRESS (C-0-0)= 0

MANUAL PLAN: (C-A-1)= 0
AUTO = 0
PLAN = 1-9
FREE = 14
FLASH = 15

TRANSITION TYPE (C-D-D)= 0
SHORTWAY = 0
DWELL > 0

FORCEOFF SHIFT FOR PEDESTRIAN (C-D-F)= 0

FOR OBSERVATION ONLY
MASTER PLAN (C-A-2)
CURRENT PLAN (C-A-3)
TOD PLAN (C-A-5)
MASTER CYCLE (C-A-0)
RING A CYCLE (C-B-0)
RING B CYCLE (C-D-0)
MINIMUM CYCLE (C-A-E)
MAXIMUM CYCLE (C-B-E)

TIME BASE COORDINATION

KEYSTROKES: 9+EVENT#

EVENT	TIME	PLAN	OFFSET	DAY OF WEEK S	M	T	W	T	F	S
0	0700	1	A	X	X	X	X	X		
1	0900	2	A	X	X	X	X	X		
2	1500	3	A	X	X	X	X	X		
3	1700	E	A	X	X	X	X	X	X	X
4										
5										
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

PLAN = 1...9 (DIAL)
E (FREE)
F (FLASH)

OFFSET = A...C

SYNCHRONIZED PHASES

KEYSTROKES: C+E+PLAN

PLAN		PHASE 1	2	3	4	5	6	7	8
0									
1	SYNC 1	X				X			
2	SYNC 2	X				X			
3	SYNC 3	X				X			
4	SYNC 4								
5	SYNC 5								
6	SYNC 6								
7	SYNC 7								
8	SYNC 8								
9	SYNC 9								
A	CPEDRCL								
B	NEMA HLD								
C	SCANMEM								
D	BADPROM								
E	TODFN E								
F	TODFN F								

PHASE SEQUENCES

KEYSTROKES: C+F+FUNCTION#

FUNCTION		PHASE 1	2	3	4	5	6	7	8
0	LAG 0 (FREE)		X		X		X		
1	LAG 1		X		X		X		
2	LAG 2		X		X		X		
3	LAG 3		X		X		X		
4	LAG 4								
5	LAG 5								
6	LAG 6								
7	LAG 7								
8	LAG 8								
9	LAG 9								
A	COOR MAX RECALL								
B	COOR LAG RECALL								
C	SYNC PHASES								
D	HOLD								
E	NEXT PHASE								
F	FORCE OFF								

INTERSECTION: Frairs Rd EB Ramps at Mission CTR Rd

by: ARS Date: 3-9-94

(COORDINATION ONLY)

19

INTERSECTION: FRIARS RD (W/B Ramps) & QUALCOMM WY, NORTH

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: QUALCOMM
E/W Street Name: FRIARS

Last Change:
Timing Sheet By: BJU
Approved By:

Drawing Number: 33251-4-D
Sys. Ref. Number:
Timing implemented on: 05/26/05 BUrias
10:45

Row	Column # →	QUALCOMM 1	2	3	4	QUALCOMM 5	6	7	FRIARS 8
	Phase # →								
		N	↑			←	↓ video		←
0	Ped Walk		7						7
1	Ped FDW		9						21
2	Min Green		10			4	10		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		3.4			~~2.0~~ 3.4	~~2.0~~ 3.0		2.0
6	Max Gap		3.4			~~2.0~~ 3.4	~~2.0~~ 3.0		2.0
7	Min Gap		0.2			~~2.0~~ 0.2	~~2.0~~ 3.4		2.0
8	Max Limit		60			30	60		30
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1			0.1			
D	Every		1.4			1.4			
E	Yellow		4.1			~~3.4~~ 3.9	3.9		3.9
F	Red Clear		1.0			1.0	1.0		1.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	0
3	EV-A Clear	0
4	EV-B Delay	
5	EV-B Clear	
6	EV-C Delay	0
7	EV-C Clear	0
8	EV-D Delay	0
9	EV-D Clear	0
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	2 56 8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	2 8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	~~95~~ 10
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	2 6
F	1st Phases	4

Phase Functions
F + F + Row
<F Page>

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel		(QuicNet)

Communication Addresses
C + F + O

	F	Row
Free Lag	2 5 8	0
Lag Phases		<C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	~~0~~ 14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset 0
= Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communications Ports
D + D + 9

INTERSECTION: FRIARS RD (W/B Ramps) & QUALCOMM WY, North — 223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

(This parameter is NOT downloaded)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: FRIARS RD (W/B Ramps) & QUALCOMM WY, North — 223 Program

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E		---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1	10.0	
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		1.8
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	5678
E	– – – – – – – –	1234
F	– 25 26 27 28 – – –	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

(These parameters are NOT downloaded.)

INTERSECTION: FRIARS RD (W/B Ramps) & QUALCOMM WY, North

223 Program

Coordination Timing By: BJU
Implemented On:

Row	Column # → / Plan Name →	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	80	100	100						
1	Phase 1 - ForceOff									
2	Phase 2 - ForceOff	0								
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff	0	40	40						
5	Phase 5 - ForceOff	0								
6	Phase 6 - ForceOff	54								
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff	33	40	40						
9	Ring Offset									
A	Offset A	10	90	5						
B	Offset B									
C	Offset C									
D	Permissive	10	10	10						
E	Hold Release	255	255	255						
F	Ped Shift	0	0	0						

Coordination <C Page>
C + Plan + ROW

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	~~06:30~~	1	A	23456
1	~~15:00~~	E	A	23456
2	~~16:00~~	1	A	23456
3	~~18:00~~	E	A	23456
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination
<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E	Row		F
		0	Free Lag	XXXXXXXXXXXXXXXX
Plan 1	2 5	1	Plan 1 - Lag	2 5 8
Plan 2		2	Plan 2 - Lag	
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

20

INTERSECTION: FRIARS RD (E/B Ramps) & QUALCOMM WY, SOUTH

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: QUALCOMM
E/W Street Name: FRIARS

Last Change:
Timing Sheet By: BJU
Approved By:

Drawing Number: 33261-5-D
Sys. Ref. Number:
Timing implemented on: 05/26/05 BUrias 10:20

Row	Column # --->	QUALCOMM 1	2	3	FRIARS 4	5	QUALCOMM 6	7	8
	Phase # --->	1	2	3	4	5	6	7	8
		N							
0	Ped Walk				7		7		
1	Ped FDW				27		9		
2	Min Green	4	10		4		10		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	3.4		2.0		2.0		
6	Max Gap	2.0	3.4		2.0		2.0		
7	Min Gap	2.0	0.2		2.0		2.0		
8	Max Limit	30	60		40		60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1						
D	Every		0.9						
E	Yellow	3.4	4.1		3.9		3.9		
F	Red Clear	1.0	1.0		1.0		1.0		

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	0
3	EV-A Clear	0
4	EV-B Delay	0
5	EV-B Clear	0
6	EV-C Delay	0
7	EV-C Clear	0
8	EV-D Delay	
9	EV-D Clear	
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12_4_6__
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	___4_6__
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4____

Phase Functions
F + F + Row
<F Page>

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	
Zone Number	
Area Number	
Area Address	
QuicNet Channel	

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O

Free Lag	F	Row
	_2_4_6__	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	0 (V)
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset 0
= Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communications Ports
D + D + 9

INTERSECTION: FRIARS RD (E/B Ramps) & QUALCOMM WY, South — 223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

(This parameter is NOT downloaded)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: FRIARS RD (E/B Ramps) & QUALCOMM WY, South

223 Program

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4	5.0	
5		
6		
7	~~10.0~~ 5.0	
8	10.0	
9		
A		
B		
C		
D		
E		---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	5678
E	– – – – – – – –	1234
F	– 25 26 27 28 – – –	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

(These parameters are NOT downloaded.)

INTERSECTION: FRIARS RD (E/B Ramps) & QUALCOMM WY, South

223 Program

Coordination Timing By: BJU
Implemented On:

Row	Column # → / Plan Name →	Plan 1	2	3	4	5	6	7	8	9
0	Cycle Length	80	100	120						
1	Phase 1 - ForceOff	54								
2	Phase 2 - ForceOff	0								
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff	39	40	40						
5	Phase 5 - ForceOff									
6	Phase 6 - ForceOff	0								
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff		40	40						
9	Ring Offset									
A	Offset A	4	90	5						
B	Offset B									
C	Offset C									
D	Permissive	10	10	10						
E	Hold Release	255	255	255						
F	Ped Shift	0	0	0						

Coordination <C Page>
C + Plan + ROW

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	06:30	1	A	23456
1	13:30	E	A	23456
2	16:00	1	A	23456
3	18:00	E	A	23456
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination
<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E	Row		F
		0	Free Lag	XXXXXXXXXXXXXXXX
Plan 1	2 4 6	1	Plan 1 - Lag	2 4 6
Plan 2		2	Plan 2 - Lag	
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

INTERSECTION: FRIARS RD. & RIVER RUN DR.

Group Assignment:
Field Master Assignment:

N/S Street Name: RIVER RUN
E/W Street Name: FRIARS RD

Last Database Change:
System Ref. Number:

N

		FRIARS			private d/w		FRIARS		RIVER RUN
Column # ---->		Phase							
Phase # ---->		1	2	3	4	5	6	7	8
Row		↙	⇄		⇅	↗	⇄		↑
0	Ped Walk		7		7		7		7
1	Ped FDW		14		23		9		23
2	Min Green	4	10		4	4	10		4
3	Type 3 Limit								
4	Add/Veh		2.0				2.0		
5	Veh Extn	2.0	7.2		3.5	2.0	7.0		2.5
6	Max Gap	2.0	7.2		3.5	2.0	7.0		2.5
7	Min Gap	2.0	2.0		3.5	2.0	2.0		2.5
8	Max Limit	30	60		40	40	60		30
9	Max Limit 2				65				
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.6				0.9		
E	Yellow	3.4	5.2		3.9	3.4	5.2		3.9
F	Red Clear	1.0	1.0		1.0	1.0	1.0		1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
	Permit	12_456_8
	Red Lock	
	Yellow Lock	
	Min Recall	_2___6__
	Ped Recall	
	Peds (View)	_2_4_6_8
	Rest In Walk	
	Red Rest	
	Dbl Entry	___4___8
	Max Recall	
	Soft Recall	
	Max 2	
	Cond Serv	
	Ped Lock	12345678
	Yellow Start	_2___6__
	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	46
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	1
Zone Number	1
Area Number	4
Area Address	33
QuicNet Channel	DIGI83:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	0
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: WXH
Approved By:
Drawing Number:
Timing Implemented On:

17

Row	Time	Function	Day of Week	Column F Phases/Bits
0	1600	B	_23456_	___4____
1	1700	B	_23456_	
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	_____6__
7	Ped 4P	___4____
8	Ped 8P	_____8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5__
B	EV-B Phases	___4___8
C	EV-C Phases	1____6__
D	EV-D Phases	
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

ERSECTION: FRIARS RD. & RIVER RUN DR. — 223 Program

Row	1 Delay	3 Carry-over
0		
1		
2		
3		
4		
5		
6		
7	3.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	7J9U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

Coordination Timing By: WXH
Implemented On:

Row	Column # ---->	Plan 1	2	3	4	5	6	7	8	9
	Plan Name ---->			Pm Peak						
0	Cycle Length	125	135	135						
1	Phase 1 - ForceOff	70	70	20						
2	Phase 2 - ForceOff	0	0	0						
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff	50	40	70						
5	Phase 5 - ForceOff	70	70	20						
6	Phase 6 - ForceOff	0	0	0						
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff	50	40	70						
9	Ring Offset									
A	Offset A	91	27	27						
B	Offset B									
C	Offset C									
D	Permissive	12	13	13						
E	Hold Release	255	255	255						
F	Ped Shift	0	0	0						

Coordination <C Page>
C + Plan + ROW

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	11 : 00	1	A	_23456_
1	15 : 00	2	A	_23456_
2	16 : 00	3	A	_23456_
3	17 : 00	2	A	_23456_
4	20 : 00	E	A	1234567
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination
<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E	Row		F
		0	Free Lag	
Plan 1	2 6	1	Plan 1 - Lag	2 4 6 8
Plan 2	2 6	2	Plan 2 - Lag	2 4 6 8
Plan 3	2 6	3	Plan 3 - Lag	1 45 8
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

22

INTERSECTION: FENTON & FRIARS

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: FENTON PKWY
E/W Street Name: FRIARS RD

Last Database Change:
System Ref. Number:

N

Row	Column # ----> / Phase # ---->	1	2	3	4	5	6	7	8
			FRIARS		FENTON		FRIARS		FENTON
				OLA		OLB		OLC	
0	Ped Walk		7		7		7		7
1	Ped FDW		27		35		24		32
2	Min Green	4	10	4	7	4	10	4	7
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	6.2	2.0	7.0	2.0	6.1	2.0	5.4
6	Max Gap	2.0	6.2	2.0	7.0	2.0	6.1	2.0	5.4
7	Min Gap	2.0	0.2	2.0	0.2	2.0	0.2	2.0	0.2
8	Max Limit	30	60	30	40	30	60	30	40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1		0.1		0.1		0.1
D	Every		0.5		0.4		0.5		0.6
E	Yellow	3.4	5.2	3.4	3.9	3.4	5.2	3.4	3.9
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
	Permit	12345678
	Red Lock	
	Yellow Lock	
	Min Recall	
	Ped Recall	
	Peds (View)	_2_4_6_8
	Rest In Walk	
	Red Rest	
	Dbl Entry	
	Max Recall	
	Soft Recall	_2___6__
	Max 2	
	Cond Serv	
	Ped Lock	12345678
	Yellow Start	_2___6__
	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	2	C + 0 + 0
Zone Number	2	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	34	C + 0 + 3
QuicNet Channel	DIGI83:	(QuicNet)

Communication Addresses

C + F + O	P	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: WXH
Approved By: EFF
Drawing Number:
Timing Implemented On:

(2)

INTERSECTION: FENTON & FRIARS

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	23
B	Overlap B - Phases	45
C	Overlap C - Phases	67
D	Overlap D - Phases	
E	**Restricted Phases**	
F	Assign 5 Outputs	1

Configuration

E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	2
6	Overlap B - Green Omit	4
7	Overlap C - Green Omit	6
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		1.8
3		
4	10.0	
5		
6		
7		1.8
8		
9		
A	5.0	
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4	10.0	
5		
6		
7		1.8
8		
9		
A	5.0	
B		
C		
D		
E	---	---
F	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: FENTON & FRIARS

223 Program

DJM 1
6/11/10

Row	Plan Name ---->	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	125	135					110	136	
1	Phase 1 - ForceOff	80	85					72 69	79	
2	Phase 2 - ForceOff	0	0					0	0	
3	Phase 3 - ForceOff	26	21					53	61	
4	Phase 4 - ForceOff	66	65					37	40	
5	Phase 5 - ForceOff	80	85					67	81	
6	Phase 6 - ForceOff	0	0					0	0	
7	Phase 7 - ForceOff	26	21					17	17	
8	Phase 8 - ForceOff	66	65					53 52	61	
9	Ring Offset									
A	Offset A	96	30					46	90	
B	Offset B									
C	Offset C									
D	Permissive	12	13					11	14	
E	Hold Release	255	255					255	255	
F	Ped Shift	6	0					11 10	4	

Coordination Timing By: WXH
Implemented On: 03/29/04

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Coordination <C Page>
C + Plan + ROW

Row	Time	Plan	Offset	Day of Week
0	11 : 00	1	A	_23456_
1	15 : 00	8 2	A	_23456_
2	20 : 00	E	A	1234567
3	7 : 00	7	A	23456
4	9 : 00	E	A	1234567
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination
<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	
Plan 1	_2__6__	1	Plan 1 - Lag	_2_4_6_8
Plan 2	_2__6__	2	Plan 2 - Lag	_2_4_6_8
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7	2 6	7	Plan 7 - Lag	2360
Plan 8	2 6	8	Plan 8 - Lag	2360
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

23

INTERSECTION: FRIARS & NORTHSIDE

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: NORTHSIDE DR
E/W Street Name: FRIARS RD

Last Database Change:
System Ref. Number:

N

Row	Column # --->	1	2	3	4	5	6	7	8
	Phase # --->	1	2	3	4	5	6	7	8
		FRIARS			NORTHSIDE		FRIARS		NORTHSIDE
		OLB						OLA	
0	Ped Walk		7				7		7
1	Ped FDW		22				20		30
2	Min Green	4	10	4	4 WH 8/10/05	4	10	4	7
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	5.4	2.0	8.5	2.0	5.3	2.0	5.6
6	Max Gap	2.0	5.4	2.0	8.5	2.0	5.3	2.0	5.6
7	Min Gap	2.0	0.2	2.0	0.2	2.0	0.2	2.0	0.2
8	Max Limit	35	60	30	15	30	60	30	25 15 MG 4/13/05
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1		0.1		0.1		0.1
D	Every		0.6		0.4		0.6		0.6
E	Yellow	3.4	5.0	3.4	3.9	3.4	5.2	3.4	3.9
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	0
3	EV-A Clear	0
4	EV-B Delay	0
5	EV-B Clear	0
6	EV-C Delay	0
7	EV-C Clear	0
8	EV-D Delay	0
9	EV-D Clear	0
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12345678
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	_2___6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	3
Zone Number	3
Area Number	4
Area Address	35
QuicNet Channel	DIGI83:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	0
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: WXH
Approved By: EFF
Drawing Number:
Timing Implemented On: 4/12/05

3

INTERSECTION: FRIARS & NORTHSIDE

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function 7 + ROW

<D Page> D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	67
B	Overlap B - Phases	1 8
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	6
6	Overlap B - Green Omit	8
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration E + E + ROW

For access, set F + 9 + E = 1

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: FRIARS & NORTHSIDE — 223 Program

JM1 TEMP 4/29/10

Row	1 Delay	3 Carry-over
0		
1		1.8
2		1.8
3		
4	10.0	
5		
6		
7	10.0	1.8
8		
9		1.8
A	10.0	
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
RT	4I6U	3
LT	4I6L	7
ADV	4I7U	23
THRU	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4	10.0	
5		
6		
7		1.8
8		
9		
A	10.0	
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row	0 Detector #
0	
1	System Det. # 1 — 0
2	System Det. # 2 — 0
3	System Det. # 3 — 0
4	System Det. # 4 — 0
5	System Det. # 5 — 0
6	System Det. # 6 — 0
7	System Det. # 7 — 0
8	System Det. # 8 — 0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

0 JM1
4/29/10

Row	Column # → / Plan Name →	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	125	135					110	136	
1	Phase 1 - ForceOff	83	80					76	80	
2	Phase 2 - ForceOff	0	0					0	0	
3	Phase 3 - ForceOff	26	26					17	25	
4	Phase 4 - ForceOff	0 48 ~~63~~	63					52	59	
5	Phase 5 - ForceOff	83	80					65	76	
6	Phase 6 - ForceOff	0	0					0	0	
7	Phase 7 - ForceOff	26	26					21	25	
8	Phase 8 - ForceOff	0 49 ~~68~~	63					52	59	
9	Ring Offset									
A	Offset A	0 90 ~~95~~	35					100	84	
B	Offset B									
C	Offset C									
D	Permissive	12	13					11	14	
E	Hold Release	255	255					255	255	
F	Ped Shift	0 ~~10~~ 5	5					5	4	

Coordination Timing By:
Implemented On:

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Coordination <C Page>
C + Plan + ROW

Row	Time	Plan	Offset	Day of Week
0	11 : 00	1	A	_23456_
1	15 : 00	8	A	_23456_
2	20 : 00	E	A	1234567
3	07 : 00	7	A	_23456_
4	09 : 00	E	A	1234567
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Coordination
<9 Key with C+0+9=1>

	E
Plan 1	_2__6__
Plan 2	_2__6__
Plan 3	
Plan 4	
Plan 5	
Plan 6	
Plan 7	_2__6__
Plan 8	_2__6__
Plan 9	
Coord Ped*	
NEMA Hold	

Sync Phases
C + E + FUNCTION #

Row		F
0	Free Lag	
1	Plan 1 - Lag	_2_4_6_8
2	Plan 2 - Lag	_2_4_6_8
3	Plan 3 - Lag	
4	Plan 4 - Lag	
5	Plan 5 - Lag	
6	Plan 6 - Lag	
7	Plan 7 - Lag	_2_4_6_8
8	Plan 8 - Lag	_2_4_6_8
9	Plan 9 - Lag	
A	Coord Max *	
B	Coord Lag *	
C		
D		
E		
F		

Lag Phases <C Page>
C + F + FUNCTION #

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

INTERSECTION: FRIARS & NORTHSIDE

223 Program

Row	Column # ---> / Plan Name --->	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	125	135							
1	Phase 1 - ForceOff	83	80							
2	Phase 2 - ForceOff	0	0							
3	Phase 3 - ForceOff	26	26							
4	Phase 4 - ForceOff	63	63							
5	Phase 5 - ForceOff	83	80							
6	Phase 6 - ForceOff	0	0							
7	Phase 7 - ForceOff	26	26							
8	Phase 8 - ForceOff	63	63							
9	Ring Offset									
A	Offset A	95	35							
B	Offset B									
C	Offset C									
D	Permissive	12	13							
E	Hold Release	255	255							
F	Ped Shift	5	5							

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: WXH

Implemented On: 03/29/04

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	11 : 00	1	A	_23456_
1	15 : 00	2	A	_23456_
2	20 : 00	E	A	1234567
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

Plan Select

1 thru 9 = Coordination Plan 1 thru 9

14 or E = Free

15 or F = Flash

	E	Row		F
		0	Free Lag	
Plan 1	_2__6__	1	Plan 1 - Lag	_2_4_6_8
Plan 2	_2__6__	2	Plan 2 - Lag	_2_4_6_8
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition

C + D + D

Transition Type

0 = Shortway

Non-zero = Lengthen

INTERSECTION: FRIARS RD WB & MISSION VILLAGE

233 Program

Group Assignment:
Field Master Assignment:
System Reference Number:

N/S Street: MISSION VILLAGE
E/W Street: FRIARS RD WB

Last Database Change:

Timing sheets by: LEM
Approved by: EFF
Timing implemented on:

Row	Phase Numbers---->	1	2	3	4	5	6	7	8
				↑	/	OLA ↑	OLA ↓		←
0	Ped Walk				7	7	7		7
1	Ped FDW				5	5	5		22
2	Min Green			4	4	6	10		4
3	Type 3 Disconnect								
4	Added per Vehicle								
5	Veh Extension			2.0	2.0	2.0	3.7		2.0
6	Max Gap			2.0	2.0	2.0	3.7		2.0
7	Min Gap			2.0	2.0	2.0	0.2		2.0
8	Max Limit			30	30	60	60		40
9	Max Limit 2								
A	Adv. / Delay Walk								
B	PE Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every						0.9		
E	Yellow Change			3.9	3.0	4.3	6.0		3.9
F	Red Clear			1.0		1.0	1.0		1.0

Phase Timing - Bank 1 <F/1+Phase+Row>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	
	EV-B Clear	
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	- - -
	View EV Clear	- - -
	View RR Delay	- - -
	View RR Clear	- - -

Preempt Timing <F/1+E+Row>

Row		F
0	Permit	3456_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	3 6
4	Ped Recall	
5	*View Set Pads*	4 6 8
6	Rest In Walk	
7	Red Rest	
8	Double Entry	
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond. Service	
D	Man Cntrl Calls	
E	Yellow Start	3 6
F	First Phases	4 8

Phase Functions <F/1+F+Row>

Current Calculated Cycle Length: C/0 + B + F

	9	A	B	C	D
	- - -	- - -	- - -	- - -	- - -
Phase 1					
Phase 2					
Phase 3					
Phase 4					
Phase 5					
Phase 6					
Phase 7					
Phase 8					
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <F/1+Column+Phase>

Drop Number	8	<C/0+0+0>
Zone Number	8	<C/0+0+1>
Area Number	4	<C/0+0+2>
Area Address	40	<C/0+0+3>
QuicNet Channel	COM87:	(QuicNet)

Communication Addresses

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

(Outputs specified in Assignable Outputs at E/127+A+E & F)

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase

Flash Start	0	<F/1+0+E>
Red Revert	5.0	<F/1+0+F>
All Red Start	0.0	<F/1+C+0>

Start / Revert Times

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B

Manual Plan	0	<C/0+A+1>
Manual Offset	0	<C/0+B+1>

Manual Selection

Free Lag	3 6 8	<C/1+F+0>

How to Set Page Access Code:
F/1 – C + 0 + F = 1

Notes: Split ring operation, OLA-Full Overlap.

INTERSECTION: FRIARS RD WB & MISSION VILLAGE

233 Program

Row		Overlap 1	2	3	4	5	6	7	8
0	Load Switch Number	2							
1	Veh Set 1 - Phases	56							
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases	8							
5	Neg Ped Phases	8							
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear								
E	Yellow Change	4.3							
F	Red Clear	1.0							

Overlap Assignments <E/29+Column+Row>

	F	Row
Fast Green Flash Phase		0
Green Flash Phases		1
Flashing Walk Phases		2
Guaranteed Passage		3
Simultaneous Gap Term	12345678	4
Sequential Timing		5
Advance Walk Phases		6
Delay Walk Phases		7
External Recall		8
Start-up Overlap Green		9
Max Extension		A
Inhibit Ped Reservice		B
Semi-Actuated		C
Start-up Overlap Yellow		D
Start-up Vehicle Calls	12345678	E
Start-up Ped Calls	12345678	F

Specials <F/2+F+Row>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 45 8
F	IC Select (Interconnect)	2

Configuration <E/125+E+Row>

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	6
Ped for 6P Output	6
Ped for 4P Output	4
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	

Configuration <E/125+F+Row>

	C	Row
EV-A		0
EV-B		1
EV-C		2
EV-D		3
RR-1 *	---	4
RR-2 *	---	5
SE-1	0	6
SE-2	0	7
		8
		9
		A
		B
		C
		D
		E
		F

<E/125+C+Row>

Preemption Priority

(* RR-1 is always Highest, and RR-2 is always Second Highest)

	2	Row
		0
Phase 1	0	1
Phase 2	0	2
Phase 3	0	3
Phase 4	0	4
Phase 5	0	5
Phase 6	0	6
Phase 7	0	7
Phase 8	0	8
		9
		A
		B
		C
		D
		E
		F

<C/5+2+Row>

Coordination Transition Minimums

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Time and Date

Begin Month	0	<C/5+2+A>
Begin Week	0	<C/5+2+B>
End Month	0	<C/5+2+C>
End Week	0	<C/5+2+D>

Daylight Savings Time

Daylight Savings Date:
If set to all zeros, standard dates will be used.

INTERSECTION: FRIARS RD WB & MISSION VILLAGE

233 Program

Row	Detector Name	0 C1 Pin Number	1 Attributes	2 Phase(s)	3 Assign	1 Delay	3 Carry-Over
0		39	45_7_	2	123 8		
1	6J2U	40	45_7_	6	123 8		1.8
2		41	45_7_	4	123 8		
3		42	45_7_	8	123 8		
4		43	45_7_	2	123 8		
5		44	45_7_	6	123 8		
6		45	45_7_	4	123 8		
7		46	45_7_	8	123 8		
8		47	67_	2	123 8		
9		48	67_	6	123 8		
A		49	67_	4	123 8		
B		50	67_	8	123 8		
C		55	45_7_	5	123 8		
D		56	45_7_	1 7	123 8		
E		57	45_7_	7	123 8		
F		58	45_7_	3	123 8		

Program Type:

	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk									0
Don't Walk									1
Phase Green									2
Phase Yellow									3
Phase Red									4
Overlap Green									5
Overlap Yellow									6
Overlap Red									7

Redirect Phase Outputs <E/127+Column+Row>

Cabinet Type	30

<E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	5	<D/0+0+1>
Max ON (minutes)	60	<D/0+0+2>

Detector Failure Monitor

	D	Row
		0
Output Port 1		1
Output Port 2		2
Output Port 3		3
Output Port 4		4
Output Port 5		5
Output Port 6		6
Output Port 7		7

Dimming <E/125+D+Row>

Row	Detector Name	4 C1 Pin Number	5 Attributes	6 Phase(s)	7 Assign	2 Delay	4 Carry-Over
0		59	45_7_	5	123 8		
1		60	45_7_	1 7	123 8		
2		61	45_7_	7	123 8		
3		62	45_7_	3	123 8		
4		63	45_7_	2	123 8		
5		64	45_7_	6	123 8		
6		65	45_7_	4	123 8		
7		66	45_7_	8	123 8		
8		67	2	6	123 8		
9		68	2	6	123 8		
A		69	2	4	123 8		
B		70	2	8	123 8		
C		76	45_7_	2	123 8		
D		77	45_7_	6	123 8		
E		78	45_7_	4	123 8		
F		79	45_7_	8	123 8		

Detector Assignments <E/126+Column+Row> <D/0+Column+Row>

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

	D
Number of Digits	
1 st Digit	
2 ed Digit	
3 ed Digit	
4 th Digit	
5 th Digit	
6 th Digit	
7 th Digit	
8 th Digit	
9 th Digit	
10 th Digit	
11 th Digit	
12 th Digit	
13 th Digit	
14 th Digit	
15 th Digit	

<C/5+D+Row>

Dial-Back Telephone Number

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	1	A
DELAY-B	1	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

<D/0+B+Row> (seconds)

Delay Logic Times

Omit Alarm	#NAME?

<C/5+F+0>

Disable Alarm Reporting

Time	0	<C/5+C+0>

Redial Time (minutes)
(View Redial Timer at E/2+D+6)

INTERSECTION: FRIARS RD WB & MISSION VILLAGE

233 Program

TOD Coordination <9/0.1+Row> (Bank 1)

Row	Time	Plan	Offset	Day of Week
0	16 : 00	2	A	_23456_
1	18 : 15	E	A	1234567
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <7/0.1+Row> <E/27+4+Row>

Row	Time	Funct.	Day of Week	Column 4 Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.1+Row> (Bank 1)

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Events <9/1.1+Row> (Bank 1)

Row	Time	Plan	Offset	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

T.O.D. Functions:
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select:
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Month Select:
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

Cycle Timer:
Master: C/0 + A + 0
Ring A: C/0 + B + 0
Ring B: C/0 + D + 0

Interval Timer:
Ring A: F/0 + A + Interval Row
Ring B: F/0 + B + Interval Row

Master Plan: C/0 + A + 2
Current Plan: C/0 + A + 3
TOD Plan: C/0 + A + 5

TOD Coordination <9/0.2+Row> (Bank 2)

Row	Time	Plan	Offset	Day of Week
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday TOD Function <7/0.2+Row> <E/28+Row>

Row	Time	Funct.	Holiday Type	Column 4 Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Dates <8/1.2+Row> (Bank 2)

Row	Day	Year	Month	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Holiday Events <9/1.2+Row> (Bank 2)

Row	Time	Plan	Offset	Holiday Type
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row	Plan Name --->	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9	Row
0	Cycle Length		100								0
1	Phase 1 - ForceOff										1
2	Phase 2 - ForceOff										2
3	Phase 3 - ForceOff		0								3
4	Phase 4 - ForceOff		68								4
5	Phase 5 - ForceOff		67								5
6	Phase 6 - ForceOff		0								6
7	Phase 7 - ForceOff										7
8	Phase 8 - ForceOff		40								8
9	Ring Offset										9
A	Offset 1		39								A
B	Offset 2										B
C	Offset 3										C
D	Perm 1 - End		10								D
E	Hold Release		255								E
F	Zone Offset		0								F

Coordination - Timing Plans **<C/1+Plan+Row>**

Row		E	Row
0			0
1	Plan 1 - Sync		1
2	Plan 2 - Sync	_3__6_	2
3	Plan 3 - Sync		3
4	Plan 4 - Sync		4
5	Plan 5 - Sync		5
6	Plan 6 - Sync		6
7	Plan 7 - Sync		7
8	Plan 8 - Sync		8
9	Plan 9 - Sync		9
A	NEMA Sync		A
B	NEMA Hold		B
C			C
D			D
E	Coord Extra		E
F			F

Sync Phases **<C/1+E+Row>**

Row		Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9	Row
0	Ped Adjustment										0
1	Perm 2 - Start										1
2	Perm 2 - End										2
3	Perm 3 - Start										3
4	Perm 3 - End										4
5	Reservice Time										5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall										9
A	Perm 1 Veh Phase		12345678								A
B	Perm 1 Ped Phase		12345678								B
C	Perm 2 Veh Phase										C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase										E
F	Perm 3 Ped Phase										F

Coordination - Parameters **<C/2+Plan+Row>**

Row		F	Row
0	Free Lag	3 6 8	0
1	Plan 1 - Lag		1
2	Plan 2 - Lag	_3__6_8	2
3	Plan 3 - Lag		3
4	Plan 4 - Lag		4
5	Plan 5 - Lag		5
6	Plan 6 - Lag		6
7	Plan 7 - Lag		7
8	Plan 8 - Lag		8
9	Plan 9 - Lag		9
A	External Lag		A
B			B
C			C
D			D
E			E
F			F

Lag Phases **<C/1+F+Row>**

Coordination Timing By:

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Spec. Funct. 1		NOT-3		Max 2		Pretimed		Set Monday		Dial 2 (7-Wire)		Sim Term		0
1	Spec. Funct. 2		NOT-4		System Det 1		Plan 1		Ext. Perm 1		Dial 3 (7-Wire)		EV-A	71	1
2	Spec. Funct. 3		OR-4 (a)		System Det 2		Plan 2		Ext. Perm 2		Offset 1 (7-Wire)		EV-B	72	2
3	Spec. Funct. 4		OR-4 (b)		System Det 3		Plan 3		Dimming		Offset 2 (7-Wire)		EV-C	73	3
4	NAND-3 (a)		OR-5 (a)		System Det 4		Plan 4		Set Clock		Offset 3 (7-Wire)		EV-D	74	4
5	NAND-3 (b)		OR-5 (b)		System Det 5		Plan 5		Stop Time		Free (7-Wire)		RR-1	51	5
6	NAND-4 (a)		OR-6 (a)		System Det 6		Plan 6		Flash Sense	81	Flash (7-Wire)		RR-2	52	6
7	NAND-4 (b)		OR-6 (b)		System Det 7		Plan 7		Manual Enable		Excl. Ped Omit		Spec. Event 1		7
8	OR-7 (a)		Fig 3 Diamond		System Det 8		Plan 8		Man. Advance		NOT-1		Spec. Event 2		8
9	OR-7 (b)		Fig 4 Diamond		Max Inhibit (nema)		Plan 9		External Alarm		NOT-2		External Lag		9
A	OR-7 (c)		AND-4 (a)		Force A (nema)		DELAY-A		Phase Bank 2		OR-1 (a)		AND-1 (a)		A
B	OR-7 (d)		AND-4 (b)		Force B (nema)		DELAY-B		Phase Bank 3		OR-1 (b)		AND-1 (b)		B
C	OR-8 (a)		NAND-1 (a)		C.N.A. (nema)		DELAY-C		Overlap Set 2		OR-2 (a)		AND-2 (a)		C
D	OR-8 (b)		NAND-1 (b)		Hold (nema)		DELAY-D		Overlap Set 3		OR-2 (b)		AND-2 (b)		D
E	OR-8 (c)		NAND-2 (a)		Max Recall		DELAY-E		Detector Set 2		OR-3 (a)		AND-3 (a)		E
F	OR-8 (d)		NAND-2 (b)		Min Recall		DELAY-F		Detector Set 3		OR-3 (b)		AND-3 (b)		F

Assignable Inputs <E/126+Column+Row>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Phase ON - 1		Preempt Fail		Flasher 0		Free		NOT-1		TOD Out 1		Dial 2 (7-Wire)		0
1	Phase ON - 2		Sp Evnt Out 1		Flasher 1		Plan 1		OR-1		TOD Out 2		Dial 3 (7-Wire)		1
2	Phase ON - 3		Sp Evnt Out 2		Fast Flasher		Plan 2		OR-2		TOD Out 3		Offset 1 (7-Wire)		2
3	Phase ON - 4		Sp Evnt Out 3		Fig 3 Diamond		Plan 3		OR-3		TOD Out 4		Offset 2 (7-Wire)		3
4	Phase ON - 5		Sp Evnt Out 4		Fig 4 Diamond		Plan 4		AND-1		TOD Out 5		Offset 3 (7-Wire)		4
5	Phase ON - 6		Sp Evnt Out 5				Plan 5		AND-2		TOD Out 6		Free (7-Wire)		5
6	Phase ON - 7		Sp Evnt Out 6				Plan 6		AND-3		TOD Out 7		Flash (7-Wire)		6
7	Phase ON - 8		Sp Evnt Out 7				Plan 7		NOT-2		TOD Out 8		Preempt		7
8	Ph. Check - 1		Sp Evnt Out 8		NOT-3		Plan 8		EV-A		Adv. Warn - 1		Low Priority A		8
9	Ph. Check - 2				NOT-4		Plan 9		EV-B		Adv. Warn - 2		Low Priority B		9
A	Ph. Check - 3		Detector Fail		OR-4		Spec. Funct. 3		EV-C		DELAY-A		Low Priority C		A
B	Ph. Check - 4		Spec. Funct. 1		OR-5		Spec. Funct. 4		EV-D		DELAY-B		Low Priority D		B
C	Ph. Check - 5		Spec. Funct. 2		OR-6		NAND-3		RR-1		DELAY-C				C
D	Ph. Check - 6		Central Control		AND-4		NAND-4		RR-2		DELAY-D				D
E	Ph. Check - 7		Excl. Ped DW		NAND-1		OR-7		Spec. Event 1		DELAY-E				E
F	Ph. Check - 8		Excl. Ped WK		NAND-2		OR-8		Spec. Event 2		DELAY-F				F

Assignable Outputs <E/127+Column+Row>

'ERSECTION: FRIARS RD & MISSION VILLAGE DR (NORTH INT.) 223 Pro n

Group Assignment: None
Field Master Assignment: None

N/S Street Nam: SION VILLAGE
E/W Street Name: FRIARS

Last Change:
Timing Sheet By: EFF
Approved By:

Drawing Number: 25787-4-D
System Ref. Num.:
Timing implemented on: 11/30/00

N

Row	Column # → / Phase # →	1	2	3	4	5	6	7	8
				↑	↗	OLA ↑	OLA ↑		←
					MISSION VILLAGE				FRIARS
0	Ped Walk				7	7	7		7
1	Ped FDW				5	5	5		21
2	Min Green			4	4	4	10		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn			2.0	2.0	2.0	3.9		2.0
6	Max Gap			2.0	2.0	2.0	3.9		2.0
7	Min Gap			2.0	2.0	2.0	0.2		2.0
8	Max Limit			30	30	60	60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By						0.1		
D	Every						0.8		
E	Yellow			4.2	3.0	3.0	6.0		4.2
F	Red Clear			1.0	1.0	1.0	1.0		1.0

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	3
EV-B Delay	
EV-B Clear	
EV-C Delay	0
EV-C Clear	3
EV-D Delay	0
EV-D Clear	3
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	3456_8
Red Lock	
Yellow Lock	
Min Recall	3 6
Ped Recall	
Peds (View)	456_8
Rest In Walk	
Red Rest	
Dbl Entry	
Max Recall	
Soft Recall	
Max 2	
Cond Serv	
Ped Lock	12345678
Yellow Start	3 6
1st Phases	8

Phase Functions
F + F + Row

<F Page>

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	8	C + 0 + 0
Zone Number	8	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	40	C + 0 + 3
QuicNet Channel	DIGI 83:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	3 6 8	0

Lag Phases <C Page>

Row		B Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A		4.0		2.0
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	0 C + A + 1
Manual Offset	0 C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset 0
= Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	60 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communications Ports
D + D + 9

*NOTE: SPLIT RING OPERATION, OLA-FULL OVERLAP.

INTERSECTION: FRIARS RD & MISSION VILLAGE DR (NORTH INT.) **223 Program**

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Leg Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	6
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	56
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	5
B	EV-B Phases	
C	EV-C Phases	6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345 8
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

(This parameter is NOT downloaded)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1-255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over	Detector Name	332 Input File	Detector Number
0				1I1	14
1				2I2U	1
2				2I2L	5
3				2I3U	21
4				2I3L	25
5				2I4	9
6				3I5	16
7				4I6U	3
8				4I6L	7
9				4I7U	23
A				4I7L	27
B				4I8	11
C				1I9U	18
D				3I9L	20
E		---	---	---	---
F	---	---	---	---	---

Row	2 Delay	4 Carry-over	Detector Name	332 Input File	Detector Number
0				5J1	13
1		1.8		6J2U	2
2				6J2L	6
3	10.0			6J3U	22
4				6J3L	26
5				6J4	10
6				7J5	15
7				8J6U	4
8				8J6L	8
9				8J7U	24
A				8J7L	28
B				8J8	12
C				5J9U	17
D				7J9L	19
E	---	---	---	---	---
F	---	---	---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234____
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	____5678
E	– – – – – – – –	1234____
F	– 25 26 27 28 – – –	_2345___

Active Detectors <D Page>

Row	0 Detector #
0	
1	System Det. # 1 0
2	System Det. # 2 0
3	System Det. # 3 0
4	System Det. # 4 0
5	System Det. # 5 0
6	System Det. # 6 0
7	System Det. # 7 0
8	System Det. # 8 0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

(These parameters are NOT downloaded.)

INTERSECTION: FRIARS RD & MISSION VILLAGE DR (NORTH INT.)

223 Program

Coordination Timing By: EFF
Implemented On: 11/30/00

Row	Column # → / Plan Name →	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	110	100							
1	Phase 1 - ForceOff									
2	Phase 2 - ForceOff									
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff	74	68							
5	Phase 5 - ForceOff	72	67							
6	Phase 6 - ForceOff									
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff	43	40							
9	Ring Offset									
A	Offset A	25	39							
B	Offset B									
C	Offset C									
D	Permissive	15	15							
E	Hold Release	255	255							
F	Ped Shift	0	0							

Coordination <C Page>
C + Plan + ROW

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	16:00	2	A	_23456_
1	18:15	E	A	1234567
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination
<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E	Row		F
		0	Free Lag	_3_6_8
Plan 1	_3_6_	1	Plan 1 - Lag	_3_6_8
Plan 2	_3_6_	2	Plan 2 - Lag	_3_6_8
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

25

ERSECTION: FRIARS RD & MISSION VILLAGE DR (SOUTH INT.)

223 Pro m

Group Assignment: None
Field Master Assignment: None

N/S Street Name: SION VILLAGE
E/W Street Name: RIARS/SD MISSION RD

Last Change:
Timing Sheet By: EFF
Approved By: MM
Drawing Number: 25787-4-D
System Ref. Num.:
Timing Implemented on: 11/30/00

N

MISSION VILLAGE | SD MISSSION | FRIARS

Row	Column # → / Phase # →	Phase 1	2	3	4	5	6	7	8
		→	↑	←	→				
0	Ped Walk	5	5	5					
1	Ped FDW	10	18	20					
2	Min Green	4	4	4	4				
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	3.0	3.0	3.0	3.0				
6	Max Gap	3.0	3.0	3.0	3.0				
7	Min Gap	3.0	3.0	3.0	3.0				
8	Max Limit	60	60	40	40				
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By								
D	Every								
E	Yellow	5.2	3.9 ~~3.0~~	4.4	4.2				
F	Red Clear	1.0	1.0	1.0	1.0				

Phase Timing - Bank 1 <F Page>
F + Phase + Row

WH 4/27/05

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	3
	EV-B Delay	0
	EV-B Clear	3
	EV-C Delay	0
	EV-C Clear	3
	EV-D Delay	0
	EV-D Clear	3
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
	Permit	1234
	Red Lock	
	Yellow Lock	
	Min Recall	1
	Ped Recall	
	Peds (View)	123
	Rest In Walk	
	Red Rest	
	Dbl Entry	
	Max Recall	
	Soft Recall	
	Max 2	
	Cond Serv	
	Ped Lock	12345678
	Yellow Start	1
	1st Phases	4

Phase Functions <F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	7	C + 0 + 0
Zone Number	7	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	39	C + 0 + 3
QuicNet Channel	DIGI 83:	(QuicNet)

Communication Addresses

Row		B Green Clear	C Yellow Change	D Red Clear	O Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page> <D Page>
F + COLOR + D + 0 + OVERLAP

Manual Plan	0 C + A + 1
Manual Offset	0 C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset 0
= Automatic
1 = Offset A
2 = Offset B
3 = Offset C

C + F + O	FN	Row
Free Lag	23	0

Lag Phases <C Page>

Downtime Flash	60	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communications Ports
D + D + 9

(2)

INTERSECTION: FRIARS RD & MISSION VILLAGE DR (SOUTH INT.) **223 Program**

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	1_____
7	Ped 4P	__3____
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2_____
B	EV-B Phases	___4____
C	EV-C Phases	1_____
D	EV-D Phases	___3____
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

(This parameter is NOT downloaded)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over	Detector Name	332 Input File	Detector Number
0				1I1	14
1				2I2U	1
2				2I2L	5
3				2I3U	21
4				2I3L	25
5				2I4	9
6				3I5	16
7				4I6U	3
8				4I6L	7
9				4I7U	23
A				4I7L	27
B				4I8	11
C				1I9U	18
D				3I9L	20
E		---	---	---	---
F	---	---	---	---	---

Row	2 Delay	4 Carry-over	Detector Name	332 Input File	Detector Number
0				5J1	13
1				6J2U	2
2				6J2L	6
3				6J3U	22
4				6J3L	26
5				6J4	10
6				7J5	15
7				8J6U	4
8				8J6L	8
9				8J7U	24
A				8J7L	28
B				8J8	12
C				5J9U	17
D				7J9L	19
E	---	---	---	---	---
F	---	---	---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234___
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	____5678
E	– – – – – – – –	1234____
F	– 25 26 27 28 – – –	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

(These parameters are NOT downloaded.)

INTERSECTION: FRIARS RD & MISSION VILLAGE DR (SOUTH INT.)

223 Program

Row	Column # → / Plan Name →	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	110	100							
1	Phase 1 - ForceOff									
2	Phase 2 - ForceOff	31	30							
3	Phase 3 - ForceOff	84	79							
4	Phase 4 - ForceOff	51	49							
5	Phase 5 - ForceOff									
6	Phase 6 - ForceOff									
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff									
9	Ring Offset									
A	Offset A	0	14							
B	Offset B									
C	Offset C									
D	Permissive	10	10							
E	Hold Release	255	255							
F	Ped Shift	0	0							

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: EFF
Implemented On: 11/30/00

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	16:00	2	A	_23456_
1	18:15	E	A	1234567
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E	Row		F
		0	Free Lag	_23_____
Plan 1	1_____	1	Plan 1 - Lag	_23_____
Plan 2	1_____	2	Plan 2 - Lag	_23_____
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

LOCATION: **RTE 15 SB / FRIARS ROAD**

CALTRANS C8 Version 3 DATE: 7/15/2010 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	1	1	1	1	1	1	1	CLK RST
1	DONT WALK	1	1	1	1	1	1	1	1	
2	MIN GREEN	5	14	1	5	5	13	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	1.0	2.0	0.9	1.0	2.0	2.0	0.9	0.9	
6	MAX GAP	1.0	2.0	0.9	1.0	2.0	2.0	0.9	0.9	
7	MIN GAP	1.0	2.0	0.9	1.0	2.0	2.0	0.9	0.9	
8	MAX EXT	35	45	9	60	40	45	9	9	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.2	5.0	3.0	3.6	3.2	5.0	3.0	3.0	MIN
F	RED	1.0	2.0	1.0	1.5	1.5	2.0	1.0	1.0	SEC
	PED XING FT									
	BIKE XING FT		110				94			

PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
EV SEL	0	PERMIT	1	2	3	4	5	6	7	8	0
RR1 CLR	5	RED LOCK				4					1
EVA DLY	0	YEL LOCK									2
EVA CLR	5	V RECALL		2				6			3
EVB DLY	0	P RECALL									4
EVB CLR	5	PED PHASES									5
EVC DLY	0	RT OLA									6
EVC CLR	5	RT OLB									7
EVD DLY	0	DBL ENTRY									8
EVD CLR	5	MAX 2 PHASES									9
MAX EV	255	LAG PHASES	READ ONLY								A
RR2 CLR	5	RED REST									B
		REST-IN-WALK									C
		MAX 3 PHASES									D
		YEL START UP		2				6			E
		FIRST PHASE				4					F
			1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 15 SB / FRIARS ROAD**

CALTRANS C8 Version 3 DATE: 9/1/2009

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	110		136	136										LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR	33		24	20									GAPOUT CP1	LAG FZ CP 1		2		4	5			8	1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR	0		0	0									GAPOUT CP3	LAG FZ CP 3		2		4		6		8	3
4	FZ4 GRN FCTR	33		44	54						PERM TIME			GAPOUT CP4	LAG FZ CP 4		2		4		6		8	4
5	FZ5 GRN FCTR	23		42	36						LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR	0		0	0						LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR	0		0	0						NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A	53		119	119						OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
RE 15 NB RAMP

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		
2		1
3		
4		
5		
6		
7		
8		

COO = 2

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 15 SB / FRIARS ROAD**

CALTRANS C8 Version 3 DATE: 5/4/2005

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES

(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES

(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 15 SB / FRIARS ROAD**

CALTRANS C8 Version 3 DATE: 9/1/2009

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	06	45	1	A		2	3	4	5	6	
1	09	00	E			2	3	4	5	6	
2	15	00	3	A		2	3	4	5	6	
3	17	00	4	A		2	3	4	5	6	
4	18	00	E			2	3	4	5	6	
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

EQUIPMENT AND POLE SCHEDULE*

Loc	STANDARD TYPE	SMA (m)	LMA (m)	PLACEMENT DIMENSIONS A (m)	PLACEMENT DIMENSIONS B (m)	SIGNAL MOUNTING AND PLACEMENT VEHICLE POLE	VEHICLE MASTARM	PEDESTRIAN SIGNAL	PEDESTRIAN PPB	REMARKS
(A)	TYPE 15	—	3.7	SEE STA	1.0	SV-2-TD	—	—	—	200 W HPS, PEU, E6.783
(B)	26-4-129	13.7	3.7	SEE STA	1.0	SV-2-TD	1-MAT 2-MAS	—	—	310 W HPS, E6.775
(C)	19-3-129	7.6	4.3	5.6	0.6	SV-2-TD	MAS-4B [7]	—	—	200 W HPS, E6.769
(D)	29-5-129	15.2	3.7	4.6	0.6	SV-2-TD	1-MAT 2-MAS	—	—	310 W HPS, E6.779
(E)	STATE-FURNISHED MODEL 170 CONTROLLER ASSEMBLY WITH BATTERY BACK-UP SYSTEM, CONSTRUCT FOUNDATION PER ES-3C.									

*ALL NEW SIGNAL SECTIONS SHALL BE 300 mm.

TRAFFIC PHASE DIAGRAM
STEADY DEMAND SEQUENCE

CONDUIT & SHEET NOTES
SEE SHEET E-9

ROUTE 15 ON/OFF RAMPS & ROUTE 8 EB/WB RAMPS AT FRIARS Rd
SIGNAL No. P6.777

SIGNAL AND LIGHTING

SCALE 1:200

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

E-8

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET TOTAL
11	SD	15	R10.2/R12.3	42

Enrique P Bernal 11-12-02
REGISTERED ELECTRICAL ENGINEER — DATE

5-12-03
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC ELECTRICAL
PROJECT ENGINEER E. P. BERNAL
CALCULATED/DESIGNED BY M. D. FULLENWIDER DATE 5/02
CHECKED BY
REVISED BY
DATE REVISED

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => trstrk
DGN FILE => b064900008.dgn

CU 11393 EA 064901

27

LOCATION: **RTE 15 NB / FRIARS ROAD**

CALTRANS C8 Version 3 DATE: 7/14/2010 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	1	1	1	1	1	1	1	CLK RST
1	DONT WALK	1	1	1	1	1	1	1	1	
2	MIN GREEN	1	1	1	1	5	14	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	0.9	0.9	0.9	0.9	2.0	2.0	0.9	0.9	
6	MAX GAP	0.9	0.9	0.9	0.9	2.0	2.0	0.9	0.9	
7	MIN GAP	0.9	0.9	0.9	0.9	2.0	2.0	0.9	0.9	
8	MAX EXT	9	9	9	9	25	50	9	9	
9	MAX 2					40				YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.0	3.0	3.0	3.0	3.5	5.0	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	SEC
	PED XING FT									
	BIKE XING FT						108			

	PRE-EMPTION E	
EV SEL	0	
RR1 CLR	5	
EVA DLY	0	
EVA CLR	5	
EVB DLY	0	
EVB CLR	5	
EVC DLY	0	
EVC CLR	5	
EVD DLY	0	
EVD CLR	5	
MAX EV	255	
RR2 CLR	5	

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2	3	4	5	6	7	8	0
RED LOCK					5				1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES									5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES					5				9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE				4					F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS								
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	**110**													LAG FZ FREE		**2**		**4**		**6**		**8**	0
1	FZ1 GRN FCTR	**0**												GAPOUT CP1	LAG FZ CP 1		**2**		**4**		**6**		**8**	1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR	**0**												GAPOUT CP3	LAG FZ CP 3		**2**		**4**		**6**		**8**	3
4	FZ4 GRN FCTR	**0**									PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR	**35**									LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR	**0**									LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR	**0**									NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A	**64**									OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
RTE 15 NB RAMP

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = **1**

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 15 NB / FRIARS ROAD**

CALTRANS C8 DATE 7/19/94

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 15 NB / FRIARS ROAD**

CALTRANS C8 Version 3 DATE: 9/1/2009

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
				ON/	S	M	T	W	T	F	S
	HR	MIN	ACT	OFF	1	2	3	4	5	6	7
0	**06**	**45**	**2**	**X**		**2**	**3**	**4**	**5**	**6**	
1	**18**	**00**	**2**			**2**	**3**	**4**	**5**	**6**	
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
					S	M	T	W	T	F	S
	HR	MIN	CP	OS	1	2	3	4	5	6	7
0	**06**	**45**	**1**	**A**		**2**	**3**	**4**	**5**	**6**	
1	**09**	**00**	**E**			**2**	**3**	**4**	**5**	**6**	
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
					S	M	T	W	T	F	S
	HR	MIN	CP	OS	1	2	3	4	5	6	7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	R6.3/R10.5	81	107

TC Martin
REGISTERED CIVIL ENGINEER

12-30-91
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — T.C. MARTIN — No. 14728 — Exp. 3-31-93 — CIVIL — STATE OF CALIFORNIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC ELECTRICAL**
PROJECT ENGINEER: DUY T. TON
CALCULATED/DESIGNED BY: HP
CHECKED BY: JFC
DATE REVISED BY: DATE REVISED

CONDUIT SIZE AND RUN						
AWG SIZE OR CABLE TYPE	PHASE	POLE OR CIRCUIT	2" (1)	3" (2)	EX 1½" (3)	EX 2 1½" (4)
NO. 14 CABLES						
CONDUCTORS 3		POLE - A	1	1		1
		B		1		1
		C			1	
CONDUCTORS 12						
TOTAL CABLES-3 CONDUCTOR/12 CONDUCTOR			1	2	1	2
		SIC		1		1
6		RM POWER (240V)		2		
		SIG POWER (240V)		2		2
TYPE B DLC	5	DETECTOR LOOPS			1	
	6		2	8		8
EV-DLC						
TOTAL CONDUCTORS / CABLES			5	15	2	13

CONDUIT NOTES

(5) - EXIST. 1½"C., 1 DLC

(6) - 1½"C., 4 LOOP WIRES

(6A) - 1½"C., 8 LOOP WIRES

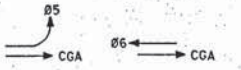
(7) - 1½"C., 2 #6 RM POWER
2 #6 SIGNAL POWER
1 SIC
6 DLC

(8) - 1½"C., 2 #6 RM POWER
2 #6 SIGNAL POWER
1 SIC
4 DLC

(9) - 1½"C., 2 DLC

(10) - EXIST. 1½"C., 2 #6 SIGNAL POWER
4 #14 SPARE
2 DLC
1 SIC
ADD: 2 #6 RM POWER
2 DLC

(11) - 1½"C., 4 DLC



TRAFFIC PHASE DIAGRAM
STEADY DEMAND SEQUENCE →

NOTES

1. NEW RAMP METER CONTROLLER ASSY. SEE SHEET E-2.
2. SEE SHEET E-2 FOR CIRCUIT CONTINUITY.
3. (RL) EXIST. TYPE 18-4-80 SIGNAL STANDARD WITH 30' SMA TO CENTER OF NEW ISLAND AS SHOWN.
4. - TYPE B DETECTOR LOOP. SEE ES-5B.
5. - DETAIL 'U' ES-6T REQUIRED.

(12) - EXIST. 1½"C., 2 #6 SIGNAL POWER
4 #14 SPARE
1 DLC
1 SIC
DISCONNECT 2 #6, 1 DLC
TAPE ENDS.

(13) - EXIST. 1½"C., 2 #6 SIGNAL POWER
4 #14 SPARE
1 SIC
DISCONNECT 2 #6
TAPE ENDS.

SIGNAL AND LIGHTING (MODIFY) LOCATION 1

SCALE: 1" = 20'

NOTE: THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

E-10

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES 0 1 2 3

CU 11206	EA 167361

FORM DC-OE-92-PF (REV. 3/88)

28

INTERSECTION: FRIARS & RANCHO MSN

2' rogram

Group Assignment: 4104
Field Master Assignment: NONE

N/S Street Name: RANCHO MSN
E/W Street Name: FRIARS

Last Database Change: 07/3[illegible] 14:32
Timing Sheet By: MBF
Approved By: mm
System Ref. Number: 570
Drawing Number: 27089-7-D
Timing Implemented On:

Row	Column # ---->	FRIARS RD 1	2	3	4	Phase 5	FRIARS RD 6	7	RANCHO MSN RD 8
	Phase # ---->								
0	Ped Walk		7						7
1	Ped FDW		22						25
2	Min Green	4	10				10		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	4.1 (2) ~~3.6~~				5.0 (2) ~~3.6~~		2.0
6	Max Gap	2.0	4.1 (2) ~~3.6~~				5.0 (2) ~~3.6~~		2.0
7	Min Gap	2.0	0.2				0.2		2.0
8	Max Limit	30	60				60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.8 (2) ~~0.9~~				0.6 (2) ~~0.9~~		4.1 (2)
E	Yellow	3.4 (1) ~~3.0~~	4.8				5.0 (2) ~~4.8~~		3.4 (1) ~~3.0~~
F	Red Clear	1.0	1.0				1.0		1.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	
EV-A Clear	
EV-B Delay	
EV-B Clear	
EV-C Delay	
EV-C Clear	
EV-D Delay	
EV-D Clear	
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	12 6 8
Red Lock	
Yellow Lock	
Min Recall	2 6
Ped Recall	
Peds (View)	2 8
Rest In Walk	
Red Rest	
Dbl Entry	
Max Recall	
Soft Recall	
Max 2	
Cond Serv	
Ped Lock	12345678
Yellow Start	2 6
1st Phases	8

Phase Functions <F Page>
F + F + Row

(1) LWH 1/24/03
(2) LWH 9/8/04
(2) MJS 7/8/15

Max Initial	0
Red Revert	5.0
All Red Start	0.0

Start / Revert Times

F + 0 + E
F + 0 + F
F + C + O

Drop Number	2
Zone Number	2
Area Number	4
Area Address	18
QuicNet Channel	DIGI82:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	2 6 8	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page> <D Page>
F + COLOR + D + 0 + OVERLAP

Manual Plan	0
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan	Manual Offset
0 = Automatic	0 = Automatic
1-9 = Plan 1-9	1 = Offset A
14 = Free	2 = Offset B
15 = Flash	3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communication Ports
D + D + 9

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function 7 + ROW

<D Page> D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	2 8
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	2
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2
B	EV-B Phases	
C	EV-C Phases	1 6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration E + E + ROW

For access, set F + 9 + E = 1

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.0
2		
3		
4		
5		
6		
7	10.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12_456_8
B	9 10 11 12 -- -- -- --	12_4____
C	13 14 15 16 17 18 19 20	12345_78
D	-- -- -- -- 21 22 23 24	____56_8
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_23_5___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: FRIARS & RANCHO MSN

223 Program

Coordination Timing By: MBF
Implemented On: 6/13/00

Row	Column # → / Plan Name →	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	120	105	120			110		136	
1	Phase 1 - ForceOff	63	54	58			22		59	
2	Phase 2 - ForceOff									
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff									
5	Phase 5 - ForceOff									
6	Phase 6 - ForceOff						22			
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff	42	38	38			63		38	
9	Ring Offset									
A	Offset A	80	45	62			14		20	
B	Offset B									
C	Offset C									
D	Permissive	12	10	12			22		14	
E	Hold Release	255	255	255			255		255	
F	Ped Shift	0	0	0			0		0	

Coordination <C Page>

C + Plan + ROW

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	06 : 45	6 1	A	_23456_
1	09 : 00	2	A	_23456_
2	15 : 00	8 3	A	_23456_
3	18 : 00	E	A	1234567
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	_2_6_8
Plan 1	_2_6_	1	Plan 1 - Lag	_2_6_8
Plan 2	_2_6_	2	Plan 2 - Lag	_2_6_8
Plan 3	_2_6_	3	Plan 3 - Lag	_2_6_8
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6	2	6	Plan 6 - Lag	1 6 8
Plan 7		7	Plan 7 - Lag	
Plan 8	2 6	8	Plan 8 - Lag	2 6 8
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	_____
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

UPDATED COORDINATION - TLSP - 2010

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Longthon

Printed 001 3:00 PM

29

INTERSECTION: FRIARS & SANTO

Group Assignment: 4104
Field Master Assignment: NONE

Street Name: SANTO
E/W Street Name: FRIARS

Last Database Change: 07/2[illegible] 14:14
Timing Sheet By: MBF
Approved By: mm
System Ref. Number: 571
Drawing Number: 25883-7-D
Timing Implemented On:

Row	Column # --->	1	2	3	4	5	6	7	8
	Phase # --->		FRIARS RD →		SANTO RD ↔	4+5 ↑	FRIARS RD ←		
0	Ped Walk				5		7		
1	Ped FDW				32		19		
2	Min Green		10		4	4	10		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		3.4		2.0	2.0	3.4		
6	Max Gap		3.4		2.0	2.0	3.4		
7	Min Gap		0.2		2.0	2.0	0.2		
8	Max Limit		60		30	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.9				0.9		
E	Yellow		5.5		3.4① ~~3.0~~	3.4② ~~3.0~~	4.8		
F	Red Clear		1.0		1.0	1.0	1.0		

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	
EV-A Clear	
EV-B Delay	
EV-B Clear	
EV-C Delay	
EV-C Clear	
EV-D Delay	
EV-D Clear	
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	_2_456__
Red Lock	
Yellow Lock	
Min Recall	_2___6__
Ped Recall	
Peds (View)	___4_6__
Rest In Walk	
Red Rest	
Dbl Entry	
Max Recall	
Soft Recall	
Max 2	
Cond Serv	
Ped Lock	12345678
Yellow Start	_2___6__
1st Phases	___4____

Phase Functions
<F Page>
F + F + Row

(DLH 7/24/03)

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	3	C + 0 + 0
Zone Number	3	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	19	C + 0 + 3
QuicNet Channel	DIGI82:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page> <D Page>
F + COLOR + D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan	Manual Offset
0 = Automatic	0 = Automatic
1-9 = Plan 1-9	1 = Offset A
14 = Free	2 = Offset B
15 = Flash	3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

(2)

INTERSECTION: FRIARS & SANTO

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

TOD Function <D Page>

7 + ROW D + F + ROW

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	45
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	4
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9	10.0	
A	10.0	
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	0J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0.0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: FRIARS & SANTO

223 Program

Row	Column # ---> / Plan Name --->	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	120	105	120						
1	Phase 1 - ForceOff									
2	Phase 2 - ForceOff									
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff	42	42	32 ~~42~~						
5	Phase 5 - ForceOff	62	58	62						
6	Phase 6 - ForceOff									
7	Phase 7 - ForceOff	20								
8	Phase 8 - ForceOff									
9	Ring Offset									
A	Offset A	63	36	110						
B	Offset B									
C	Offset C									
D	Permissive	12	10	12						
E	Hold Release	255	255	255						
F	Ped Shift	0	0	0						

WH 4/26/05

Plan

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: MBF
Implemented On: 6/13/00

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	06 : 45	1	A	_23456_
1	09 : 00	2	A	_23456_
2	15 : 00	3	A	_23456_
3	18 : 00	E	A	1234567
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	_2_4_6__
Plan 1	_2___6__	1	Plan 1 - Lag	_2_4_6__
Plan 2	_2___6__	2	Plan 2 - Lag	_2_4_6__
Plan 3	_2___6__	3	Plan 3 - Lag	_2_4_6__
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Pod*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Printed ... 01 3:12 PM

30

INTERSECTION: FRIARS @ RIVERDALE

22' Program

Group Assignment: 4104
Field Master Assignment: NONE
N/S Street Name: RIVERDALE
E/W Street Name: FRIARS
Last Database Change: 9/3/2009 10:23
System Ref. Number: 572

N

Column # --->		Phase							
		FRIARS RD			RIVERDALE ST		FRIARS RD		RIVERDALE ST
Row	Phase # --->	1	2	3	4	5	6	7	8
0	Ped Walk		7		5		7		5
1	Ped FDW		16		30		16		30
2	Min Green	4	10		4	4	10		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	3.7		2.0	2.0	3.0		2.0
6	Max Gap	2.0	3.7		2.0	2.0	3.0		2.0
7	Min Gap	2.0	0.2		2.0	2.0	0.2		2.0
8	Max Limit	30	60		40	30	60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.9				1.1		
E	Yellow	3.4	4.7		3.9	3.4	4.9		3.9
F	Red Clear	1.0	1.0		1.0	1.0	1.0		1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	
	EV-A Clear	
	EV-B Delay	
	EV-B Clear	
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	
	EV-D Clear	
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12_456_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2___6__
4	Ped Recall	
5	Peds (View)	_2_4_6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	___4___8
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	4	C + 0 + 0
Zone Number	4	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	20	C + 0 + 3
QuicNet Channel	DIGI82:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR + <D Page> D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: MC1
Approved By: EFF
Drawing Number:
Timing Implemented On: 6/25/2010

Row	Time	Function	Day of Week	Column F Phases/Bits
0	:			
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function 7 + ROW

<D Page> D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>
E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration
For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		
2		
3		1.8
4		
5		
6		
7	10.0	
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row	0 Detector #
0	
1	System Det. # 1
2	System Det. # 2
3	System Det. # 3
4	System Det. # 4
5	System Det. # 5
6	System Det. # 6
7	System Det. # 7
8	System Det. # 8

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

31

INTERSECTION: FRIARS & MSN GORGE

Program

Group Assignment: 4104
Field Master Assignment: NONE

N/S Street Name: MSN GORGE
E/W Street Name: FRIARS

Last Database Change: 8/23/2001 12:29
Timing Sheet By: MBF
Approved By: mm
System Ref. Number: 573
Drawing Number: 27089-10-D
Timing Implemented On:

Row	Column # --->	Msn Gorge Rd 1	Friars Rd 2	Msn Gorge Rd 3	4	5	6	7	8
	Phase # --->	Phase							
0	Ped Walk		7						
1	Ped FDW		18						
2	Min Green	4	10	4					
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	3.3	2.0					
6	Max Gap	2.0	3.3	2.0					
7	Min Gap	2.0	0.2	2.0					
8	Max Limit	30	60	30					
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1						
D	Every		1.0						
E	Yellow	3.4 ~~3.0~~	4.8	3.4 ~~3.0~~					
F	Red Clear	1.0	1.0	1.0					

Phase Timing - Bank 1
F + Phase + Row
<F Page>

AM 3/6/03

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	
3	EV-A Clear	
4	EV-B Delay	
5	EV-B Clear	
6	EV-C Delay	
7	EV-C Clear	
8	EV-D Delay	
9	EV-D Clear	
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	123
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	2
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	2
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	2
F	1st Phases	3

Phase Functions
F + F + Row
<F Page>

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	5	C + 0 + 0
Zone Number	5	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	21	C + 0 + 3
QuicNet Channel	DIGI82:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	1_3	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A				8
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page> <D Page>
F + COLOR + D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234

Disable Communication Ports
D + D + 9

4

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	
7	Ped 4P	
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	1_3
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2
B	EV-B Phases	
C	EV-C Phases	1
D	EV-D Phases	3
E	Extra 1 Config. Bits	1_345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12_456_8
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____56_8
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_23_5___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: FRIARS & MSN GORGE

223 Program

Row	Plan Name --->	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
	Column # --->	1	2	3	4	5	6	7	8	9
0	Cycle Length	120	105	120						
1	Phase 1 - ForceOff	21	21	21						
2	Phase 2 - ForceOff									
3	Phase 3 - ForceOff	~~46~~ 43	52	54						
4	Phase 4 - ForceOff									
5	Phase 5 - ForceOff									
6	Phase 6 - ForceOff									
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff									
9	Ring Offset									
A	Offset A	10) ~~110~~	94	97						
B	Offset B									
C	Offset C									
D	Permissive	12	10	12						
E	Hold Release	255	255	255						
F	Ped Shift	0	0	0						

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: MBF
Implemented On: 6/13/01

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

3/1/10 DH

Row	Time	Plan	Offset	Day of Week
0	06 : 45	1	A	_23456_
1	09 : 00	2	A	_23456_
2	15 : 00	3	A	_23456_
3	18 : 00	E	A	1234567
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	1_3_____
Plan 1	_2_____	1	Plan 1 - Lag	1_3_____
Plan 2	_2_____	2	Plan 2 - Lag	1_3_____
Plan 3	_2_____	3	Plan 3 - Lag	1_3_____
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Plan Select
1 thru 9 = Coordination
Plan 1 thru 9
14 or E = Free
15 or F = Flash

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

INTERSECTION: Mission Center Rd @ Mission Center Ct

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: Mission Ce[illegible]d
E/W Street Name: Mission Ce[illegible]

Last Database Change:
System Ref. Number:

N

Mission Center | Mission Center Ct | Mission Center

Row	Column # ---> / Phase # --->	Phase 1	2	3	4	5	6	7	8
		⌞	↑		←→	←	↓		
0	Ped Walk		7		7		7		
1	Ped FDW		11		22		16		
2	Min Green	4	10		4	4	10		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	2.6		2.0	2.0	4.0		
6	Max Gap	2.0	2.6		2.0	2.0	4.0		
7	Min Gap	2.0	0.2		2.0	2.0	4.0		
8	Max Limit	30	60		40	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1						
D	Every		1.2						
E	Yellow	3.4	4.3		3.9	3.4	4.3		
F	Red Clear	1.0	1.0		1.0	1.0	1.0		

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	0
3	EV-A Clear	0
4	EV-B Delay	
5	EV-B Clear	
6	EV-C Delay	0
7	EV-C Clear	0
8	EV-D Delay	
9	EV-D Clear	
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12_456__
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	_2_4_6__
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4____

Phase Functions <F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	4	C + 0 + 0
Zone Number	4	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	68	C + 0 + 3
QuicNet Channel	COM89	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234_

Disable Communication Ports
D + D + 9

Timing Sheet By: KT
Approved By: FLG
Drawing Number: 27089-18-D
Timing Implemented On:

Row	Time	Function	Day of Week	Column F Phases/Bits
0	:			
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

ERSECTION: Mission Center Rd @ Mission Center

223 Program

Row	Column # →	1	2	3	4	5	6	7	8	9
	Plan Name →		MID	PM	AM					
0	Cycle Length		102	108	90		80			
1	Phase 1 - ForceOff		23	26	18		49			
2	Phase 2 - ForceOff		0	0	0		0			
3	Phase 3 - ForceOff									
4	Phase 4 - ForceOff		57	62	52		30			
5	Phase 5 - ForceOff		75	79	70		49			
6	Phase 6 - ForceOff		23	26	18		0			
7	Phase 7 - ForceOff									
8	Phase 8 - ForceOff									
9	Ring Offset									
A	Offset A		37	102	79		73			
B	Offset B									
C	Offset C									
D	Permissive		23	26	18		10			
E	Hold Release		255	255	255		255			
F	Ped Shift		0	0	0		0			

Plan

Coordination Timing By: KT
Implemented On:

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Coordination <C Page>

C + Plan + ROW

Row	Time	Plan	Offset	Day of Week
0	07 : 00	4	A	_23456_
1	09 : 00	E	A	_23456_
2	11 : 00	6	A	1____7
3	11 : 30	2	A	_23456_
4	14 : 00	3	A	_23456_
5	17 : 30	E	A	1234567
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	_2_4_6__
Plan 1		1	Plan 1 - Lag	
Plan 2	_2____	2	Plan 2 - Lag	1__4_6__
Plan 3	_2____	3	Plan 3 - Lag	1__4_6__
Plan 4	_2____	4	Plan 4 - Lag	1__4_6__
Plan 5		5	Plan 5 - Lag	
Plan 6	_2___6_	6	Plan 6 - Lag	_2_4_6__
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

33

INTERSECTION: QUALCOMM & RIO S.D.

22 [illegible]ogram

Group Assignment: 4097
Field Master Assignment: NONE

N/S Street Name: QUALCOMM
E/W Street Name: RIO S.D.

Last Database Change: 06/12/2001 9:36
Timing Sheet By: MDF
System Ref. Number: 548
Approved By: mm
Drawing Number: 27270-107-D
Timing Implemented On:

Row	Phase # ---->	1	2	3	4	5	6	7	8
	Column # ---->	QUALCOMM WY		RIO SAN DIEGO		QUALCOMM WY		RIO SAN DIEGO	
0	Ped Walk	0	7	0	7	0	7	0	7
1	Ped FDW	0	24	0	29	0	26	0	29
2	Min Green	4	10	4	4	4	10	4	4
3	Type 3 Limit	0	0	0	0	0	0	0	0
4	Add/Veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Veh Extn	2.0	4.0	2.0	3.0	2.0	4.5	2.0	3.0
6	Max Gap	2.0	4.0	2.0	3.0	2.0	4.5	2.0	3.0
7	Min Gap	2.0	0.2	2.0	0.2	2.0	0.2	2.0	0.2
8	Max Limit	30	60	30	40	30	60	30	40
9	Max Limit 2	0	0	0	0	0	0	0	0
A	Bus Adv	0	0	0	0	0	0	0	0
B	Call to Phs	0	0	0	0	0	0	0	0
C	Reduce By	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1
D	Every	0.0	0.8	0.0	1.1	0.0	0.7	0.0	1.1
E	Yellow	3.4 (3.0)	4.1	3.4 (3.0)	4.3	3.4 (3.0)	4.0	3.4 (3.0)	4.3
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
	RR-1 Delay	0
	RR-1 Clear	0
	EV-A Delay	0
	EV-A Clear	3
	EV-B Delay	0
	EV-B Clear	3
	EV-C Delay	0
	EV-C Clear	3
	EV-D Delay	0
	EV-D Clear	3
	RR-2 Delay	0
	RR-2 Clear	0
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12345678
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	_2_4_6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

Phase Functions
<F Page>
F + F + Row

CMH 11/14/03

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	2
Zone Number	2
Area Number	4
Area Address	50
QuicNet Channel	DIGI84:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A	0.0	0.0	0.0	0
B	Overlap B	0.0	0.0	0.0	0
C	Overlap C	0.0	0.0	0.0	0
D	Overlap D	0.0	0.0	0.0	0

Overlap Timing <F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255

(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00 : 00	0		
1	00 : 00	0		
2	00 : 00	0		
3	00 : 00	0		
4	00 : 00	0		
5	00 : 00	0		
6	00 : 00	0		
7	00 : 00	0		
8	00 : 00	0		
9	00 : 00	0		
A	00 : 00	0		
B	00 : 00	0		
C	00 : 00	0		
D	00 : 00	0		
E	00 : 00	0		
F	00 : 00	0		

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest in Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	5
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Prelimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

	1	3
Row	Delay	Carry-over
0	0.0	0.0
1	0.0	1.8
2	0.0	3.6
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	1.8
8	0.0	3.2
9	0.0	0.0
A	10.0	0.0
B	0.0	0.0
C	0.0	0.0
D	0.0	0.0
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

	2	4
Row	Delay	Carry-over
0	0.0	0.0
1	0.0	1.8
2	0.0	3.6
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	1.8
8	10.0	0.0
9	0.0	0.0
A	0.0	0.0
B	0.0	0.0
C	0.0	0.0
D	0.0	0.0
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.0	F+0+6
Short Failure	0.0	F+0+7

Power Cycle Correction (Default = 0.5)

0.5
0.5
MBT 8/3/01

INTERSECTION: FENTON Pkwy @ RIO SAN DIEGO Dr

223 Pr am

Group Assignment:
Field Master Assignment:

N/S Street Name: FENTON Pkwy
E/W Street Name: RIO SAN DIEGO Dr

Last Database Change: 12/9/02 10:38
System Ref. Number: 184

N

Column # --->		Phase							
	Phase # --->	1	2	3	4	5	6	7	8
			FENTON Pkwy	RIO SAN DIEGO	RIO SAN DIEGO		FENTON Pkwy		
Row		L	↑	↔	↔	L	↓		
0	Ped Walk		7	7	7		7		
1	Ped FDW		16	23	23		19		
2	Min Green	4	7	4	4	4	7		
3	Type 3 Limit								
4	Add/Veh								
#	Veh Extn	2.0	5.2 ~~4.4~~	2.0	2.3	2.0	5.2 ~~4.4~~		
6	Max Gap	2.0	4.4	2.0	2.3	2.0	4.4		
7	Min Gap	2.0	0.2	2.0	0.2	2.0	0.2		
8	Max Limit	30	60	40	40	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1		0.1		0.1		
D	Every		0.4 ~~0.7~~		1.4		0.4 ~~0.7~~		
E	Yellow	3.4	4.3	3.9	4.2	3.4	4.4		
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0		
	Grade		0.0%	0.0%	0.0%		-1.0%		

Phase Timing - Bank 1
F + Phase + Row

<F Page>

	#
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	0
EV-B Clear	0
EV-C Delay	0
EV-C Clear	0
EV-D Delay	
EV-D Clear	
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row		#
0	Permit	123456__
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
#	Peds (View)	_234_0___
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	__3_____

Phase Functions <F Page>
F + F + Row

① WH 3/17/03

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel	DIGI56:	(QuicNet)

Communication Addresses

C + F + O	#	Row
Free Lag	_23__6__	0

Lag Phases <C Page>

Overlap Timing

	Row	# Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: WH
Approved By: MM
Drawing Number:
Timing Implemented On:

INTERSECTION: FENTON Parkway & Rio San Diego Drive

223 Program

Row	00			Column F
	Time	Function	Day of Week	Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function 7 + ROW

<D Page> D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	3
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page> E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		1.8
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	8
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.6)

INTERSECTION: FENTON @ NORTHSIDE

Group Assignment: 4097
Field Master Assignment: NONE
N/S Street Name: NORTHSIDE
E/W Street Name: FENTON
Last Database Change: 2/14/03 9:10
System Ref. Number: 547

N

NORTHSIDE — FENTON MARKETPLACE — NORTHSIDE

Row	Column # → / Phase # →	Phase 1	2	3	4	5	6	7	8
		↳	↑ ⋮	---- ←	4+6 ↳ ----	↰	⋮ ↓		
0	Ped Walk		7	7	7		7		
1	Ped FDW		9	23	21		15		
2	Min Green	4	7	4	4	4	7		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	2.0	2.0	2.0	2.0	5.4		
6	Max Gap	2.0	2.0	2.0	2.0	2.0	5.4		
7	Min Gap	2.0	2.0	2.0	2.0	2.0	0.2		
8	Max Limit	30	60	40	40	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By						0.1		
D	Every						0.6		
E	Yellow	3.4	3.9	3.9	3.9	3.4	3.9		
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0		
	Grade		0.0%	-1.0%	-3.0%		-3.0%		

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E	Preempt Timing
		RR-1 Delay
		RR-1 Clear
	0	EV-A Delay
	0	EV-A Clear
	0	EV-B Delay
	0	EV-B Clear
	0	EV-C Delay
	0	EV-C Clear
	0	EV-D Delay
	0	EV-D Clear
		RR-2 Delay
		RR-2 Clear
	---	View EV Delay
	---	View EV Clear
	---	View RR Delay
	---	View RR Clear

F + E + Row

Row	F	Phase Functions <F Page>
0	123456__	Permit
1		Red Lock
2		Yellow Lock
3		Min Recall
4		Ped Recall
5		Peds (View)
6		Rest In Walk
7		Red Rest
8		Dbl Entry
9		Max Recall
A	_2___6__	Soft Recall
B		Max 2
C		Cond Serv
D	12345678	Ped Lock
E	_2___6__	Yellow Start
F	___4____	1st Phases

F + F + Row

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR +
<D Page> D + 0 + OVERLAP

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	5.0	F + C + O

Start / Revert Times

Drop Number	6	C + 0 + 0
Zone Number	6	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	38	C + 0 + 3
QuicNet Channel	DIGI83:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: WXW
Approved By: amm
Drawing Number:
Timing Implemented On:

INTERSECTION: FENTON @ NORTHSIDE

223 Program

Row	Time	Functio	Day of Week	Column F Phases/Bits
0	:			
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Leg Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	3
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	4 6
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration <E Page>

E + F + ROW

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	6
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	3
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234____
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	____5678
E	– – – – – – – –	1234____
F	– 25 26 27 28 – – –	_2345___

Active Detectors <D Page>

Row	0 Detector #
0	
1	System Det. # 1
2	System Det. # 2
3	System Det. # 3
4	System Det. # 4
5	System Det. # 5
6	System Det. # 6
7	System Det. # 7
8	System Det. # 8

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: RANCHO MSN & SAN DIEGO MSN

22 rogram

Group Assignment: NONE
Field Master Assignment: NONE

N/S Street Name: RANCHO MSN
E/W Street Name: SAN DIEGO MSN

Timing Sheet By: MBF
Approved By: mm

Last Database Change: 06/08/2001 9:11
System Ref. Number: 569
Drawing Number: 20268-D
Timing Implemented On: 7/24/01

Row	Column # →	San Diego Msn 1		Rancho Msn 2		San Diego Msn 3		Rancho Msn 4	
	Phase # →	1		2		3		4	
0	Ped Walk	0		10		0		7	
1	Ped FDW	0		19		0		20	
2	Min Green	4		7		4		4	
3	Type 3 Limit	0		0		0		0	
4	Add/Veh	0.0		0.0		0.0		0.0	
5	Veh Extn	2.0		4.2		2.0		2.0	
6	Max Gap	2.0		4.2		2.0		2.0	
7	Min Gap	2.0		0.2		2.0		2.0	
8	Max Limit	35		50		30		50	
9	Max Limit 2	0		0		0		0	
A	Bus Adv	0		0		0		0	
B	Call to Phs	0		0		0		0	
C	Reduce By	0.0		0.1		0.0		0.0	
D	Every	0.0		0.7		0.0		0.0	
E	Yellow	3.0		4.5		3.0		4.1	
F	Red Clear	1.0		1.0		1.0		1.0	

Row	Column # →	San Diego Msn 5		Rancho Msn 6		San Diego Msn 7		Rancho Msn 8	
	Phase # →	5		6		7		8	
0	Ped Walk	0		7		0		10	
1	Ped FDW	0		17		0		19	
2	Min Green	4		7		4		4	
3	Type 3 Limit	0		0		0		0	
4	Add/Veh	0.0		0.0		0.0		0.0	
5	Veh Extn	2.0		4.4		2.0		2.0	
6	Max Gap	2.0		4.4		2.0		2.0	
7	Min Gap	2.0		0.2		2.0		2.0	
8	Max Limit	35		50		30		50	
9	Max Limit 2	0		0		0		0	
A	Bus Adv	0		0		0		0	
B	Call to Phs	0		0		0		0	
C	Reduce By	0.0		0.1		0.0		0.0	
D	Every	0.0		0.7		0.0		0.0	
E	Yellow	3.0		4.3		3.0		3.9	
F	Red Clear	1.0		1.0		1.0		1.0	

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row	E	
	RR-1 Delay	0
	RR-1 Clear	0
	EV-A Delay	0
	EV-A Clear	3
	EV-B Delay	0
	EV-B Clear	3
	EV-C Delay	0
	EV-C Clear	3
	EV-D Delay	0
	EV-D Clear	3
	RR-2 Delay	0
	RR-2 Clear	0
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row	F	
	Permit	12345678
	Red Lock	
	Yellow Lock	
	Min Recall	2 6
	Ped Recall	
	Peds (View)	12345678
	Rest In Walk	
	Red Rest	
	Dbl Entry	
	Max Recall	
	Soft Recall	
	Max 2	
	Cond Serv	
	Ped Lock	12345678
	Yellow Start	2 6
	1st Phases	4 8

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	1	C + 0 + 0
Zone Number	1	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	17	C + 0 + 3
QuicNet Channel	DIGI82:	(QuicNet)

Communication Addresses

	F	Row
C + F + O		
Free Lag	2 4 6 8	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A	0.0	0.0	0.0	0
B	Overlap B	0.0	0.0	0.0	0
C	Overlap C	0.0	0.0	0.0	0
D	Overlap D	0.0	0.0	0.0	0

Overlap Timing <F Page> F + COLOR + <D Page> D + 0 + OVERLAP

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 0

Disable Ports	234

Disable Communication Ports
D + D + 0

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00 : 00	0		
1	00 : 00	0		
2	00 : 00	0		
3	00 : 00	0		
4	00 : 00	0		
5	00 : 00	0		
6	00 : 00	0		
7	00 : 00	0		
8	00 : 00	0		
9	00 : 00	0		
A	00 : 00	0		
B	00 : 00	0		
C	00 : 00	0		
D	00 : 00	0		
E	00 : 00	0		
F	00 : 00	0		

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Leg Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1-255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0	0.0	0.0
1	0.0	1.8
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
A	10.0	0.0
B	0.0	0.0
C	0.0	0.0
D	0.0	0.0
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0	0.0	0.0
1	0.0	1.8
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	10.0	0.0
8	0.0	0.0
9	0.0	0.0
A	0.0	0.0
B	0.0	0.0
C	0.0	0.0
D	0.0	0.0
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.0	F+0+6
Short Failure	0.0	F+0+7

Power Cycle Correction (Default = 0.5)

0.5 0.5

mgf 8/3/01

INTERSECTION: HAZARD CTR & MISSION CEN . _R

2: Program

Group Assignment: 4095
Field Master Assignment: NONE

N/S Street Name: MISSION CENTER
E/W Street Name: HAZARD CTR

Last Database Change:
Timing Sheet By: EFF
Approved By: MM
System Ref. Number: 522
Drawing Number: 27089-17-D
Timing Implemented On: 1/8/01

Row	Column # →	MISSION CTR 1	2	HAZARD CTR 3	4	MISSION CTR 5	6	7	8
	Phase # →								
0	Ped Walk	0	7	0	7	0	7	0	0
1	Ped FDW	0	14	0	25	0	19	0	0
2	Min Green	4	10	4	4	4	10	0	0
3	Type 3 Limit	0	0	0	0	0	0	0	0
4	Add/Veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	Veh Extn	2.0	4.8	2.0	3.7	2.0	4.7	0.0	0.0
6	Max Gap	2.0	4.8	2.0	3.7	2.0	4.7	0.0	0.0
7	Min Gap	2.0	0.2	2.0	0.2	2.0	0.2	0.0	0.0
8	Max Limit	20	60	20	40	40	60	0	0
9	Max Limit 2	0	0	0	0	0	0	0	0
A	Bus Adv	0	0	0	0	0	0	0	0
B	Call to Phs	0	0	0	0	0	0	0	0
C	Reduce By	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0
D	Every	0.0	0.6	0.0	0.9	0.0	0.7	0.0	0.0
E	Yellow	3.0	4.3	3.0	3.0	3.0	4.2	0.0	0.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E	Preempt Timing
0	0	RR-1 Delay
1	0	RR-1 Clear
2	0	EV-A Delay
3	3	EV-A Clear
4	0	EV-B Delay
5	3	EV-B Clear
6	0	EV-C Delay
7	3	EV-C Clear
8	0	EV-D Delay
9	0	EV-D Clear
A	0	RR-2 Delay
B	0	RR-2 Clear
C	---	View EV Delay
D	---	View EV Clear
E	---	View RR Delay
F	---	View RR Clear

F + E + Row

Row	F	Phase Functions
0	123456__	Permit
1	_____	Red Lock
2	_____	Yellow Lock
3	_2___6__	Min Recall
4	_____	Ped Recall
5	_2_4_6__	Peds (View)
6	_____	Rest In Wal
7	_____	Red Rest
8	_____	Dbl Entry
9	_____	Max Recall
A	_____	Soft Recall
B	_____	Max 2
C	_____	Cond Serv
D	12345678	Ped Lock
E	_2___6__	Yellow Start
F	___4____	1st Phases

<F Page>
F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	3	C + 0 + 0
Zone Number	3	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	67	C + 0 + 3
QuicNet Channel	DIGI85:	(QuicNet)

Communication Addresses

C + F + O

F	Row
_2_4_6_8	0

Free Lag
Lag Phases
<C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A	0.0	0.0	0.0	0
B	Overlap B	0.0	0.0	0.0	0
C	Overlap C	0.0	0.0	0.0	0
D	Overlap D	0.0	0.0	0.0	0

Overlap Timing <F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	60 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

INTERSECTION: HAZARD CTR & MISSION CENTER

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00 : 00	0		
1	00 : 00	0		
2	00 : 00	0		
3	00 : 00	0		
4	00 : 00	0		
5	00 : 00	0		
6	00 : 00	0		
7	00 : 00	0		
8	00 : 00	0		
9	00 : 00	0		
A	00 : 00	0		
B	00 : 00	0		
C	00 : 00	0		
D	00 : 00	0		
E	00 : 00	0		
F	00 : 00	0		

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)
(This parameter is NOT downloaded)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

INTERSECTION: HAZARD CTR & MISSION CEN .ER

223 Program

Row	1 Delay	3 Carry-over	Detector Name	332 Input File	Detector Number
0	0.0	0.0		1I1	14
1	0.0	1.8		2I2U	1
2	0.0	0.0		2I2L	5
3	0.0	0.0		2I3U	21
4	0.0	0.0		2I3L	25
5	0.0	0.0		2I4	9
6	5.0	0.0		3I5	16
7	0.0	0.0		4I6U	3
8	10.0	0.0		4I6L	7
9	10.0	0.0		4I7U	23
A	0.0	0.0		4I7L	27
B	0.0	0.0		4I8	11
C	0.0	0.0		1I9U	18
D	0.0	0.0		3I9L	20
E	---	---	---	---	---
F	---	---	---	---	---

Row	2 Delay	4 Carry-over	Detector Name	332 Input File	Detector Number
0	0.0	0.0		5J1	13
1	0.0	1.8		6J2U	2
2	0.0	0.0		6J2L	6
3	0.0	0.0		6J3U	22
4	0.0	0.0		6J3L	26
5	0.0	0.0		6J4	10
6	0.0	0.0		7J5	15
7	0.0	0.0		8J6U	4
8	0.0	0.0		8J6L	8
9	0.0	0.0		8J7U	24
A	0.0	0.0		8J7L	28
B	0.0	0.0		8J8	12
C	0.0	0.0		5J9U	17
D	0.0	0.0		7J9L	19
E	---	---	---	---	---
F	---	---	---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234____
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	____5678
E	– – – – – – – –	1234____
F	– 25 26 27 28 – – –	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)
(These parameters are NOT downloaded.)

39

INTERSECTION: CAMINO DE LA REINA & AVENIDA DEL R 223 ›gram

Group Assignment:
Field Master Assignment:
N/S Street Name: AVENIDA DEL RIO
E/W Street Name: CAMINO DE LA REINA
Last Database Change:
System Ref. Number:

N

Row	Column # ----> / Phase # ---->	Phase 1	2 →	3	4 ↓↑	5 ↑	6 ←	7	8
0	Ped Walk				7		7		
1	Ped FDW				9		17		
2	Min Green		7		4	4	7		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		2.0		2.0	2.0	2.0		
6	Max Gap		2.0		2.0	2.0	2.0		
7	Min Gap		2.0		2.0	2.0	2.0		
8	Max Limit		60		40	30	60		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By								
D	Every								
E	Yellow		3.9		3.9	3.4	3.9		
F	Red Clear		1.0		1.0	1.0	1.0		

Phase Timing - Bank 1 <F Page>
F + Phase + Row

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	0
3	EV-A Clear	0
4	EV-B Delay	
5	EV-B Clear	
6	EV-C Delay	0
7	EV-C Clear	0
8	EV-D Delay	
9	EV-D Clear	
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	_2_456__
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	___4_6__
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4_____

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	
Zone Number	
Area Number	
Area Address	
QuicNet Channel	

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: LEM
Approved By: EFF
Drawing Number:
Timing Implemented On: 3/8/12

INTERSECTION: CAMINO DE LA REINA & AVENIDA DEL RIO

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00 : 01	E	1234567	1
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	4 6
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration

<E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	6
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	
C	EV-C Phases	6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 = Quicknet
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

40

TERSECTION: CMN DE LA REINA & MISSION CENTER

223 P ram

Group Assignment: 4096
Field Master Assignment: NONE

N/S S. ame: MISSION CENTER
E/W Street ame: CMN DE LA REINA

Last Database Change: 08/29/200
Timing Sheet By: EFF
Approved By: MM
System Ref. Number: 5
Drawing Number: 29103-8
Timing Implemented On: 10/17/01

Row	Column # --->	Phase # --->	1	2	3	4	5	6	7	8
				MISSION CTR		CMN DE LA REINA		MISSION CTR		CMN DE LA REINA
				Phase						
0	Ped Walk			7		7		7		7
1	Ped FDW			21 ~~22~~		26 ~~25~~		21		29
2	Min Green		4	10	4	7	4	10	4	7
3	Type 3 Limit									
4	Add/Veh									
5	Veh Extn		2.0	4.6 ~~4.4~~	2.0	3.1	2.0	4.8 ~~4.0~~	2.0	4.8 ~~3.3~~
6	Max Gap		2.0	4.6 ~~4.4~~	2.0	3.1	2.0	4.8 ~~4.0~~	2.0	4.8 ~~3.3~~
7	Min Gap		2.0	0.2	2.0	0.2	2.0	0.2	2.0	0.2
8	Max Limit		30	60	30	40	30	60	30	40
9	Max Limit 2									
A	Bus Adv									
B	Call to Phs									
C	Reduce By			0.1		0.1		0.1		0.1
D	Every			0.7		1.0		0.7 ~~0.8~~		0.7 ~~1.0~~
E	Yellow		3.4 ~~3.0~~	4.2 ~~3.0~~	3.4 ~~3.0~~	3.9 ~~4.0~~	3.4 ~~3.0~~	4.0 ~~4.1~~	3.4 ~~3.0~~	3.9 ~~4.0~~
F	Red Clear		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	0
EV-B Clear	0
EV-C Delay	0
EV-C Clear	0
EV-D Delay	0
EV-D Clear	0
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	12345678
Red Lock	
Yellow Lock	
Min Recall	
Ped Recall	
Peds (View)	_2_4_6_8
Rest In Walk	
Red Rest	
Dbl Entry	
Max Recall	
Soft Recall	_2___6__
Max 2	
Cond Serv	
Ped Lock	12345678
Yellow Start	_2___6__
1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

7/15/08
MC1

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	2	C + 0 + 0
Zone Number	2	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	66	C + 0 + 3
QuicNet Channel	DIGI85:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A			
Overlap B	B			
Overlap C	C			
Overlap D	D			

<F Page> **Overlap Timing** <D Page>
F + COLOR + D + 0 + OVERLAP

Manual Plan	0	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

INTERSECTION: CMN DE LA REINA & MISSION CENTER

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00 : 01	E	1234567	1
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0

D4B40

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information	Remote Download
C + C + 0 = program	C + 0 + 4 = 1 -255
C + C + F = version	w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		1.8
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		1.8
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: CMN DE LA REINA & MISSION CENTER

223 Proc

Coordination Timing By: REJ
Implemented On: 11/25/98

Row	Column # ---> / Plan Name --->	Plan 1	2	3	4	5	6	7	8	9
0	Cycle Length	120								
1	Phase 1 - ForceOff	87								
2	Phase 2 - ForceOff									
3	Phase 3 - ForceOff	18								
4	Phase 4 - ForceOff	53								
5	Phase 5 - ForceOff	87								
6	Phase 6 - ForceOff									
7	Phase 7 - ForceOff	18								
8	Phase 8 - ForceOff	53								
9	Ring Offset									
A	Offset A	14								
B	Offset B									
C	Offset C									
D	Permissive	10								
E	Hold Release	255								
F	Ped Shift	0								

Coordination <C Page>

C + Plan + ROW

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	11 : 30	1	A	1234567
1	19 : 00	E	A	1234567
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	2 4 6 8
Plan 1	2 6	1	Plan 1 - Lag	2 4 6 8
Plan 2		2	Plan 2 - Lag	
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Longpath

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

INTERSECTION: CMN DE LA REINA @ MISSION C TER 223 Proc

Row	Column # → / Plan Name →	1	2	3	4	5	6	7	8	9
		Plan								
0	Cycle Length			140	150	140				
1	Phase 1 - ForceOff			103	111	96				
2	Phase 2 - ForceOff			0	0	0				
3	Phase 3 - ForceOff			25	24	25				
4	Phase 4 - ForceOff			64	75	64				
5	Phase 5 - ForceOff			88	101	96				
6	Phase 6 - ForceOff			0	0	0				
7	Phase 7 - ForceOff			25	36	28				
8	Phase 8 - ForceOff			64	75	64				
9	Ring Offset									
A	Offset A			86	6	110				
B	Offset B									
C	Offset C									
D	Permissive			10	10	10				
E	Hold Release			255	255	255				
F	Ped Shift			0	0	0				

Coordination Timing By: EFF
Implemented On: 12/3/2001

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Coordination <C Page>
C + Plan + ROW

Row	Time	Plan	Offset	Day of Week
0	11 : 00	3	A	23456
1	15 : 00	4	A	23456
2	19 : 00	E	A	1234567
3	10 : 00	5	A	1 7
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Coordination
<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E
Plan 1	
Plan 2	
Plan 3	2 6
Plan 4	2 6
Plan 5	2 6
Plan 6	
Plan 7	
Plan 8	
Plan 9	
Coord Ped*	
NEMA Hold	

Sync Phases
C + E + FUNCTION #

Row		F
0	Free Lag	2 4 6 8
1	Plan 1 - Lag	
2	Plan 2 - Lag	
3	Plan 3 - Lag	2 4 6 8
4	Plan 4 - Lag	2 4 6 8
5	Plan 5 - Lag	2 4 6 8
6	Plan 6 - Lag	
7	Plan 7 - Lag	
8	Plan 8 - Lag	
9	Plan 9 - Lag	
A	Coord Max *	
B	Coord Lag *	
C		
D		
E		
F		

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

MISSION CENTER RD / CAMINO DE LA REINA — MISSION CENTER RD / CAMINO DE LA REINA

200 SA 1.e

PHASE TIMING

INTERVAL		1	2	3	4	5	6	7	8
WALK	0		7		7		7		7
FLASH D/W	1		22		25		20		29
MIN GREEN	2	4	10	4	7	4	10	4	7
TYPE 3 DET	3								
ADD PER VEH	4								
VEH EXTN *	5	2.0	2.7	2.0	3.1	2.0	3.4	2.0	3.8
MAX GAP *	6	2.0	2.7	2.0	3.1	2.0	3.4	2.0	3.8
MIN GAP *	7	2.0	0.2	2.0	0.2	2.0	0.2	2.0	0.2
MAX EXTN	8	30	60	30	40	30	60	30	40
MAX 2	9								
BUS LEAD	A								
CALL TO PHS	B								
REDUCE BY	C		0.1		0.1		0.1		0.1
EVERY	D		1.2		1.0		0.9		0.8
YELLOW	E	3.0	3.6	3.0	3.9	3.0	4.1	3.0	3.6
RED CLEAR	F	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

F + PHASE + LOCATION

* Must be the same for non-density operation

PREEMPT		
	E	
RR 1 DELAY		0
RR 1 CLEAR		1
EVA DELAY	0	2
EVA CLEAR	3	3
EVB DELAY	0	4
EVB CLEAR	3	5
EVC DELAY	0	6
EVC CLEAR	3	7
EVD DELAY	0	8
EVD CLEAR	3	9
RR2 DELAY		A
RR 2 CLEAR		B
EV CLR TMR		C
EV DLY TMR		D
RR CLR TMR		E
RR DLY TMR		F

MAX INITIAL (F-0-E) 0 RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0	X	X	X	X	X	X	X	X
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3								
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A		X				X		
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F				X				X

F + F + FUNCTION

OVERLAP TIMING

LOAD SWITCH		GREEN 9	YELLOW C	RED D
	OLAP A			
	OLAP B			
	OLAP C			
	OLAP D			

D + 0 + OVERLAP

F + COLOR +

PHASE SEQUENCE

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X		X		X		X

C + F + 0

MANUAL (C-A-1) 0

ADDRESS (C-0-0) 1

TURN-ON DATE: 11-15-1971

TIME: 11:30

DRAWING NO. D- 29103-8

LAST CHANGE: 11-25-1998

BY: REJ

LOCATION CAMINO DE LA REINA & MISSION CENTER RD

DETECTOR TIMES

Y \ X	SET DELAY 1	SET DELAY 2	SET CARRY 3	SET CARRY 4	OBS COUNT 5	OBS COUNT 6	OBS DELAY 7	OBS DELAY 8	OBS CARRY 9	OBS CARRY A
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U 1.8	6J2U 1.8	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L	2I2L 1.8	6J2L 1.8	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U	8J6U	4I6U 1.8	8J6U 1.8	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L

D + X (ACROSS) + Y (DOWN)

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S
0	0001	E	X	X	X	X	X	X	X
1									
2									
3									
4									
5									
6									
7									
8									
9									

7 + EVENT #

PHASE OR FUNCTION

	1	2	3	4	5	6	7
	X						

D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT
1-RED LOCK
2-YELLOW LOCK
3-VEH RECALL
4-PED RECALL
5-[RESERVED]
6-REST IN WALK
7-RED REST
8-DBL ENTRY
9-VEH MAX RCL
A-SOFT RCL
B-MAX 2 EXT
C-COND SERV
D-TOD LAG PHS

E-1-LOCAL OVERRIDE
2-PHASE BANK 2
3-PHASE BANK 3
7-DET COUNT
8-SPLIT MONITOR

F - TOD OUTPUTS
1- TOD OUTPUT 1
2- TOD OUTPUT 2
3- TOD OUTPUT 3
4- TOD OUTPUT 4

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5								
OLB GN OMIT	6								
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A		X			X			
EMVEH B	B				X			X	
EMVEH C	C	X				X			
EMVEH D	D			X					X
EXTRA	E	X		X	X				
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAVLIGHT
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5		X						
PED 6P	6						X		
PED 4P	7				X				
PED 8P	8								X
FLH YELLOW	9								
OVERLAP A	A								
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F								

E + F + INTERVAL

LOCATION	CAMINO DE LA REINA & MISSION CENTER RD

COORDINATION PARAMETERS

200 SA 1.e

PLAN

FEATURE		1	2	3	4	5	6	7	8	9
CYCLE	0	120								
FORCE 1	1	87								
FORCE 2	2	-								
FORCE 3	3	18								
FORCE 4	4	53								
FORCE 5	5	87								
FORCE 6	6	-								
FORCE 7	7	18								
FORCE 8	8	53								
RING OFFSET	9									
OFFSET A	A	14								
OFFSET B	B									
OFFSET C	C									
PERMISSIVE	D	10								
HOLD RELEASE	E	255								
ZONE OFFSET	F									

C + PLAN + FEATURE

TRANSITION TYPE
C - D - D = 0

SHORTWAY = 0
DWELL > 0

PEDESTRIAN FORCEOFF SHIFT
C - D - F = 0

FOR OBSERVATION ONLY

MASTER PLAN	C - A - 2
CURRENT PLAN	C - A - 3
T.O.D. PLAN	C - A - 5
MASTER CYCLE	C - A - 0
RING A CYCLE	C - B - 0
RING B CYCLE	C - D - 0
MINIMUM CYCLE	C - A - E
MAXIMUM CYCLE	C - B - E

PLAN TIMETABLE

EVENT	TIME	PLAN	OFFSET	DAY OF WEEK S	M	T	W	T	F	S
				1	2	3	4	5	6	7
0	1130	1	A	X	X	X	X	X	X	X
1	1900	E	A	X	X	X	X	X	X	X
2										
3										
4										
5										
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

9 + EVENT

SYNC PHASES

		PHASE 1	2	3	4	5	6	7	8
	0								
SYNC 1	1	X					X		
SYNC 2	2								
SYNC 3	3								
SYNC 4	4								
SYNC 5	5								
SYNC 6	6								
SYNC 7	7								
SYNC 8	8								
SYNC 9	9								
CPEDRCL	A								
NEMA HLD	B								
SCANMEM	C								
BADPROM	D								
TODFN E	E								
TODFN F	F								

C + E + FUNCTION

PHASE SEQUENCES

		PHASE 1	2	3	4	5	6	7	8
	0								
LAG 1	1	X		X		X		X	
LAG 2	2								
LAG 3	3								
LAG 4	4								
LAG 5	5								
LAG 6	6								
LAG 7	7								
LAG 8	8								
LAG 9	9								
COOR MAX RCL	A								
COOR LAG RCL	B								
SYNC PHASES	C								
HOLD	D								
NEXT PHASE	E								
FORCE OFF	F								

C + F + FUNCTION

Date: 11/25/1998

LOCATION Camino de la Reina & Mission Center Road

41

INTERSECTION: Camino del Este & Camino de la Reina

223 Pr[illegible]am

Group Assignment:
Field Master Assignment:

N/S Street Name: Camino de la Reina
E/W Street Name: Camino del Este

Last Database Change:
System Ref. Number:

N

Row	Column # --->	Phase 1	2	3	4	5	6	7	8
	Phase # --->	↓	→		↓	↑	←		↑
0	Ped Walk		7		7		7		7
1	Ped FDW		21		27		23		25
2	Min Green	4	10		4	4	10		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	3.1		2.4	2.0	3.0		2.4
6	Max Gap	2.0	3.1		2.4	2.0	3.0		2.4
7	Min Gap	2.0	0.2		0.2	2.0	0.2		0.2
8	Max Limit	30	60		40	30	60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By								
D	Every		1.0		1.4		1.1		1.4
E	Yellow	3.4	4.0		3.9	3.4	4.1		3.9
F	Red Clear	1.0	1.0		1.0	1.0	1.0		1.0

Phase Timing - Bank 1 <F Page>
F + Phase + Row

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	0
3	EV-A Clear	0
4	EV-B Delay	0
5	EV-B Clear	0
6	EV-C Delay	0
7	EV-C Clear	0
8	EV-D Delay	0
9	EV-D Clear	0
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	---
D	View EV Clear	---
E	View RR Delay	---
F	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12_456_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	_2_4_6_8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	___4___8
9	Max Recall	
A	Soft Recall	_2___6__
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	
Zone Number	
Area Number	
Area Address	
QuicNet Channel	

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR +
<D Page> D + 0 + OVERLAP

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: FA1
Approved By: EFF
Drawing Number: 28204-12
Timing Implemented On: 10/25/13

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	8
E	Extra 1 Config. Bits	1 34
F	IC Select (Interconnect)	2

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		1.8
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		1.8
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	5678
E	– – – – – – – –	1234
F	– 25 26 27 28 – – –	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

42

INTERSECTION: CMN DEL RIO (N) @ QUALCOMM

223 Program

Group Assignment: 4097
Field Master Assignment: NONE
N/S Street Name: QUALCOMM
E/W Street Name: CMN DEL RIO (N)
Last Database Change: 7/7/2003 6:00
System Ref. Number: 549

N

	QUALCOMM	CAM DE LA REINA		QUALCOMM		CAM DEL RIO N.	
Column # →	Phase						
Phase # →	1	2	3	4	5	6	7	8
Row					4+5			
0 Ped Walk		7				7		7
1 Ped FDW		24				25		27
2 Min Green	4	10	4	7	4	10	4	7
3 Type 3 Limit		~~EFF~~						
4 Add/Veh		6/11/09						
5 Veh Extn	2.0	~~2.8~~ 2.0	2.0	2.5	2.0	5.4	2.0	2.0
6 Max Gap	2.0	~~2.8~~ 2.0	2.0	2.5	2.0	5.4	2.0	2.0
7 Min Gap	2.0	0.2	2.0	0.2	2.0	0.2	2.0	0.2
8 Max Limit	30	50	30	30	30	50	30	30
9 Max Limit 2								
A Bus Adv								
B Call to Phs								
C Reduce By		0.1		0.1		0.1		0.1
D Every		~~1.1~~ 1.7		1.3		0.6		1.7
E Yellow	3.4	4.7	3.4	4.1	3.4	3.9	3.4	4.7
F Red Clear	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1
F + Phase + Row

<F Page>

Row	E	Preempt Timing
RR-1 Delay		F + E + Row
RR-1 Clear		
EV-A Delay	0	
EV-A Clear	0	
EV-B Delay	0	
EV-B Clear	0	
EV-C Delay	0	
EV-C Clear	0	
EV-D Delay	0	
EV-D Clear	0	
RR-2 Delay		
RR-2 Clear		
View EV Delay	---	
View EV Clear	---	
View RR Delay	---	
View RR Clear	---	

Row	F	Phase Functions <F Page> F + F + Row
Permit	12345678	
Red Lock		
Yellow Lock		
Min Recall		
Ped Recall		
Peds (View)	_2__6_8	
Rest In Walk		
Red Rest		
Dbl Entry		
Max Recall		
Soft Recall	_2___6__	
Max 2		
Cond Serv		
Ped Lock	12345678	
Yellow Start	_2___6__	
1st Phases	___4___8	

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number	1	C + 0 + 0
Zone Number	1	C + 0 + 1
Area Number	4	C + 0 + 2
Area Address	49	C + 0 + 3
QuicNet Channel	DIGI84:	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR +

<D Page> D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

Timing Sheet By: EFF
Approved By: MM
Drawing Number: 27270-25
Timing Implemented On: 7/7/2003

NOTE:
yellow yield operation - this signal phase 2 holds Cam Del Rio N. & I-8 phase 2.

INTERSECTION: CMN DEL RIO (N) @ QUALCOMM

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	45
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration

E + F + ROW

<E Page>

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0

D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		1.8
8		
9		
A	10.0	
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		2.4
3		
4		
5		
6		
7		1.8
8	10.0	
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	5678
E	– – – – – – – –	1234
F	– 25 26 27 28 – – –	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

43

INTERSECTION: CAMINO DEL RIO N @ MISSION CITY — 22 — ...ogram

Group Assignment:
Field Master Assignment:
N/S Street Name: MISSION CITY PKWY
E/W Street Name: CAMINO DEL RIO N
Last Database Change: N/A
Timing Sheet By: JD
Approved By: mm
System Ref. Number:
Drawing Number: 23248-14-D
Timing Implemented On:

0 JCM 2/27/09

Row	Column # →	CAMINO DEL RIO N					CAMINO DEL RIO N		MISSION CITY
	Phase # →	1	2	3	4	5	6	7	8
		1+8	→	DUMMY			←		2+3
0	Ped Walk		7						7
1	Ped FDW		19						12
2	Min Green	4	7	4			7		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	3.2	2.0			3.2		2.0
6	Max Gap	2.0	3.2	2.0			3.2		2.0
7	Min Gap	2.0	0.2	2.0			0.2		2.0
8	Max Limit	30	60	50			60		50
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		1.0				1.0		
E	Yellow	3.4 ~~3.0~~	4.6	3.0			4.3		3.9 ~~3.0~~
F	Red Clear	1.0	1.0	1.0			1.0		1.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
0	RR-1 Delay	
1	RR-1 Clear	
2	EV-A Delay	
3	EV-A Clear	
4	EV-B Delay	
5	EV-B Clear	
6	EV-C Delay	
7	EV-C Clear	
8	EV-D Delay	
9	EV-D Clear	
A	RR-2 Delay	
B	RR-2 Clear	
C	View EV Delay	
D	View EV Clear	
E	View RR Delay	
F	View RR Clear	

Preempt Timing
F + E + Row

Row		F
0	Permit	123__6_8
1	Red Lock	
2	Yellow Lock	
3	Min Recall	_2___6__
4	Ped Recall	
5	Peds (View)	_2_____8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	_3__8
9	Max Recall	
A	Soft Recall	
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	_2___6__
F	1st Phases	_____8

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	
Zone Number	
Area Number	
Area Address	
QuicNet Channel	

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2___6_8	

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page> F + COLOR + <D Page> D + 0 + OVERLAP

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan	Manual Offset
0 = Automatic	0 = Automatic
1-9 = Plan 1-9	1 = Offset A
14 = Free	2 = Offset B
15 = Flash	3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

*SEE NOTE ON DETECTOR ASSIGNMENTS: PHASE 3 SHALL BE CONNECTED TO PHASE DETECTORS.

INTERSECTION: CAMINO DEL RIO N @ MISSION CITY

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	
7	Ped 4P	
8	Ped 8P	_____8
9	Yellow Flash Phases	
A	Overlap A - Phases	1_____8
B	Overlap B - Phases	_23____
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1_____

Configuration

E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	_____8
6	Overlap B - Green Omit	_2_____
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234____
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	____5678
E	– – – – – – – –	1234____
F	– 25 26 27 28 – – –	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

44

CAM. DEL RIO N. — WARD — CAM. DEL RIO N.

200 SA 1.e

PHASE TIMING

INTERVAL		1	2	3	4	5	6	7	8	PREEMPT	E	
WALK	0				7		7			RR 1 DELAY		0
FLASH D/W	1				21		17			RR 1 CLEAR		1
MIN GREEN	2		10		4	4	10			EVA DELAY	0	2
TYPE 3 DET	3									EVA CLEAR	3	3
ADD PER VEH	4									EVB DELAY	0	4
VEH EXTN *	5		4.2		2.0	2.0	4.2			EVB CLEAR	3	5
MAX GAP *	6		4.2		2.0	2.0	4.2			EVC DELAY	0	6
MIN GAP *	7		0.2		2.0	2.0	0.2			EVC CLEAR	3	7
MAX EXTN	8		60		40	40	60			EVD DELAY		8
MAX 2	9									EVD CLEAR		9
BUS LEAD	A									RR2 DELAY		A
CALL TO PHS	B									RR 2 CLEAR		B
REDUCE BY	C		0.1			MIN 3.4	0.1			EV CLR TMR		C
EVERY	D		0.7	4.3	3.9	3.4 ⓪	0.7	5.0		EV DLY TMR		D
YELLOW	E		~~4.5~~		~~3.0~~	~~3.0~~	~~4.5~~			RR CLR TMR		E
RED CLEAR	F		1.0		1.0	1.0	1.0			RR DLY TMR		F

* Must be the same for non-density operation

F + PHASE + LOCATION

DJM1 10/13/10

MAX INITIAL (F-0-E) 0 RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0		X		X	X	X		
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3								
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A		X				X		
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F				X				

F + F + FUNCTION #

OVERLAP TIMING

LOAD SWITCH		GREEN 9	YELLOW C	RED D
	OLAP A			
	OLAP B			
	OLAP C			
	OLAP D			

D + 0 + OVERLAP

F + COLOR + OVERLAP

PHASE SEQUENCE

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X		X		X		

C + F + 0

MANUAL (C-A-1) 14

ADDRESS (C-0-0)

TURN-ON DATE: 12-19-95

TIME: 14:15

DRAWING NO. D- 27457-4

LAST CHANGE: 12-04-1995

BY: MPS DRH

LOCATION CAMINO DEL RIO NORTH & WARD ROAD

DETECTOR TIMES

Y \ X	SET DELAY 1	SET DELAY 2	SET CARRY 3	SET CARRY 4	OBS COUNT 5	OBS COUNT 6	OBS DELAY 7	OBS DELAY 8	OBS CARRY 9	OBS CARRY A
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U 1.8	6J2U 1.8	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L 10.	2I2L 1.8	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U 1.8	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U 10.	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L

D + X (ACROSS) + Y (DOWN)

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S	PHASE OR FUNCTION 1	2	3	4	5	6	7
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																

7 + EVENT # | D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT
1-RED LOCK
2-YELLOW LOCK
3-VEH RECALL
4-PED RECALL
5-[RESERVED]
6-REST IN WALK
7-RED REST
8-DBL ENTRY
9-VEH MAX RCL
A-SOFT RCL
B-MAX 2 EXT
C-COND SERV
D-TOD LAG PHS

E-1-LOCAL OVERRIDE
2-PHASE BANK 2
3-PHASE BANK 3
7-DET COUNT
8-SPLIT MONITOR

F - TOD OUTPUTS
1- TOD OUTPUT 1
2- TOD OUTPUT 2
3- TOD OUTPUT 3
4- TOD OUTPUT 4

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5								
OLB GN OMIT	6				X				
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A		X			X			
EMVEH B	B				X				
EMVEH C	C						X		
EMVEH D	D								
EXTRA	E	X		X	X				
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAVLIGHT SAVINGS
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5								
PED 6P	6						X		
PED 4P	7				X				
PED 8P	8								
FLH YELLOW	9								
OVERLAP A	A				X	X			
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F	X							

E + F + INTERVAL

LOCATION: CAMINO DEL RIO NORTH & WARD ROAD

45 LOCATION: **RTE 8 WB @ FAIRMONT AVENUE**

CALTRANS C8 Version 3 DATE: 1/27/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	1	1	7	1	7	CLK RST
1	DONT WALK	1	36	1	1	1	32	1	29	
2	MIN GREEN	13	15	1	1	13	15	14	14	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	1.0	2.0	0.9	0.9	1.0	2.0	2.0	2.0	
6	MAX GAP	1.0	2.0	0.9	0.9	1.0	2.0	3.0	3.0	
7	MIN GAP	1.0	2.0	0.9	0.9	1.0	2.0	1.0	1.0	
8	MAX EXT	25	45	9	9	25	45	25	25	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.7	4.1	3.0	3.0	3.7	4.1	4.1	4.1	MIN
F	RED	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT		125				113		101	
	BIKE XING FT	95	121			94	130	105	113	

	PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
	EV SEL	0	PERMIT	1	2	3	4	5	6	7	8	0
	RR1 CLR	5	RED LOCK					5			8	1
	EVA DLY	0	YEL LOCK							7	8	2
	EVA CLR	5	V RECALL		2				6			3
	EVB DLY	0	P RECALL									4
	EVB CLR	5	PED PHASES		2		4		6		8	5
	EVC DLY	0	RT OLA									6
	EVC CLR	5	RT OLB									7
	EVD DLY	0	DBL ENTRY									8
	EVD CLR	5	MAX 2 PHASES									9
	MAX EV	255	LAG PHASES	READ ONLY								A
	RR2 CLR	5	RED REST									B
			REST-IN-WALK									C
			MAX 3 PHASES									D
			YEL START UP		2				6			E
			FIRST PHASE							7		F
				1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 8 WB @ FAIRMONT AVENUE**

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C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	115	125	130	125										LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR	8	8	10	8									GAPOUT CP1	LAG FZ CP 1		2		4	5			8	1
2														GAPOUT CP2	LAG FZ CP 2		2		4	5			8	2
3	FZ3 GRN FCTR	0	0	0	0									GAPOUT CP3	LAG FZ CP 3		2		4	5			8	3
4	FZ4 GRN FCTR	0	0	0	0						PERM TIME			GAPOUT CP4	LAG FZ CP 4		2		4	5			8	4
5	FZ5 GRN FCTR	27	25	20	20						LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR	10	12	19	12						LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR	25	28	25	20						NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE	0	0	0	0									GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A	90	30	41	30						OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
WB OFF CABINTE

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		
2		1
3		
4		
5		
6		
7		
8		

COO = **2**

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D MAX	FLAGS 1	2	3	4	5	6	7	8	E MIN	FLAGS 1	2	3	4	5	6	7	8	F PED	FLAGS 1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1					5				CP 1								
2	CP 2									CP 2					5				CP 2								
3	CP 3									CP 3					5				CP 3								
4	CP 4									CP 4					5				CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E FUNCTION	FLAGS 1	2	3	4	5	6	7	8	F FUNCTION	FLAGS 1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

LOCATION: **RTE 8 WB @ FAIRMONT AVENUE**

CALTRANS C8 Version 3 DATE: 3/10/2004

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

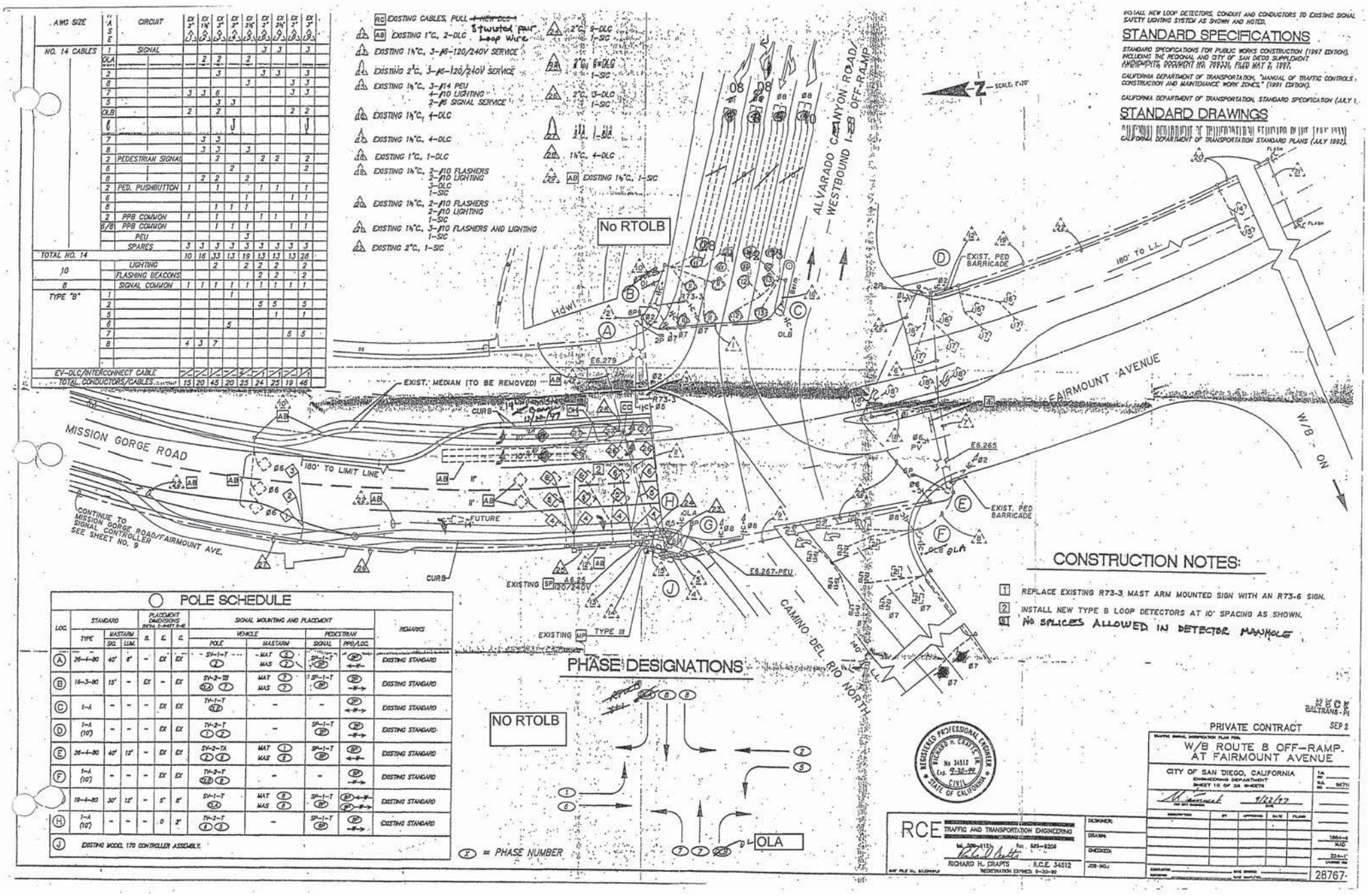
1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	07	15	1	A		2	3	4	5	6	
1	08	30	2	A		2	3	4	5	6	
2	15	00	3	A		2	3	4	5	6	
3	18	30	E			2	3	4	5	6	
4	10	00	4	A	1						7
5	17	00	E		1						7
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											


NO. 14 CABLES
TOTAL NO. 14
10
8
TYPE "B"
EV-DLC/INTERCONNECT CABLE
TOTAL CONDUCTORS/CABLES
EXISTING CABLES, PULL & INSTALL NEW DLC-1
EXISTING 1"C, 2-DLC
EXISTING 1½"C, 3-#6-120/240V SERVICE
EXISTING 2"C, 3-#6-120/240V SERVICE
EXISTING 1½"C, 3-#14 PEU 4-#10 LIGHTING 2-#6 SIGNAL SERVICE
EXISTING 1½"C, 4-DLC
EXISTING 1½"C, 4-DLC
EXISTING 1"C, 1-DLC
EXISTING 1½"C, 2-#10 FLASHERS 2-#10 LIGHTING 3-DLC 1-SIC
EXISTING 1½"C, 2-#10 FLASHERS 2-#10 LIGHTING 1-SIC
EXISTING 1½"C, 3-#10 FLASHERS AND LIGHTING 1-SIC
EXISTING 2"C, 1-SIC
2"C, 8-DLC 1-SIC
2"C, 8-DLC 1-SIC
2"C, 3-DLC 1-SIC
1½"C, 4-DLC
EXISTING 1½"C, 1-SIC
No RTOLB
ALVARADO CANYON ROAD — WESTBOUND I-8 OFF-RAMP
MISSION GORGE ROAD
FAIRMOUNT AVENUE
W/B - ON
EXIST. MEDIAN (TO BE REMOVED)
180' TO LIMIT LINE
180' TO LL
CONTINUE TO MISSION GORGE ROAD/FAIRMOUNT AVE. SIGNAL CONTROLLER SEE SHEET NO. 9
FUTURE
EXISTING SP 240/120V
EXISTING MP TYPE III
CAMINO DEL RIO NORTH
EXIST. PED BARRICADE
OLB
OLA
E6.279
E6.265
E6.267-PEU
CURB
SCALE: 1"=20'
INSTALL NEW LOOP DETECTORS, CONDUIT AND CONDUCTORS TO EXISTING SIGNAL SAFETY LIGHTING SYSTEM AS SHOWN AND NOTED.
STANDARD SPECIFICATIONS
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1997 EDITION), INCLUDING THE REGIONAL AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS, DOCUMENT NO. 769931, FILED MAY 2, 1997.
CALIFORNIA DEPARTMENT OF TRANSPORTATION, "MANUAL OF TRAFFIC CONTROLS, CONSTRUCTION AND MAINTENANCE WORK ZONES," (1996 EDITION).
CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATION (JULY 1, 1992).
STANDARD DRAWINGS
CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS (JULY 1992).
CONSTRUCTION NOTES:
1 REPLACE EXISTING R73-3 MAST ARM MOUNTED SIGN WITH AN R73-6 SIGN.
2 INSTALL NEW TYPE B LOOP DETECTORS AT 10' SPACING AS SHOWN.
3 NO SPLICES ALLOWED IN DETECTOR MANHOLE
PHASE DESIGNATIONS
NO RTOLB
OLA
(X) = PHASE NUMBER
POLE SCHEDULE
A 26-4-80 40' 8' - EX EX SV-1-T (1) MAT (4) MAS (4) SP-1-T (8) (P) EXISTING STANDARD
B 16-3-80 15' - EX - EX SV-2-TB (4A) (7) MAT (2) MAS (7) SP-1-T (8) (P) EXISTING STANDARD
C 1-A - - - EX EX TV-1-T (4B) - - (P) EXISTING STANDARD
D 1-A (10') - - - EX EX TV-2-T (1) (2) - SP-1-T (8) (P) EXISTING STANDARD
E 26-4-80 40' 12' - EX EX SV-2-TA (2) (4) MAT (1) MAS (4) SP-1-T (8) (P) EXISTING STANDARD
F 1-A (10') - - - EX EX TV-2-T (4B) (8) - SP-1-T (8) (P) EXISTING STANDARD
G 19-4-80 30' 12' - 5' 8' SV-1-T (4A) MAT (6) MAS (6) SP-1-T (8) (P) EXISTING STANDARD
H 1-A (10') - - - 0 2' TV-2-T (1) (3) - SP-1-T (8) (P) EXISTING STANDARD
J EXISTING MODEL 170 CONTROLLER ASSEMBLY.
PRIVATE CONTRACT SEP 2
W/B ROUTE 8 OFF-RAMP AT FAIRMOUNT AVENUE
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING DEPARTMENT SHEET 10 OF 24 SHEETS
RICHARD H. CRAPPS R.C.E. 34512 REGISTRATION EXPIRES 9-30-92
RCE TRAFFIC AND TRANSPORTATION ENGINEERING
28767-

LOCATION: **RTE 8 WB @ HOTEL CIRCLE NORTH (TAYLOR STREET)**

CALTRANS C8 Version 3 DATE: 1/27/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9	PRE-EMPTION E		FLAGS	F 1	2	3	4	5	6	7	8	
0	WALK	1	1	1	1	1	1	1	1	CLK RST	EV SEL	0	PERMIT	1	2	3	4	5	6	7	8	0
1	DONT WALK	1	1	1	1	1	1	1	1		RR1 CLR	5	RED LOCK	1	2	3	4	5	6	7	8	1
2	MIN GREEN	1	1	1	5	1	5	5	5		EVA DLY	0	YEL LOCK								8	2
3	TYPE 3 DET	0	0	0	0	0	60	0	0		EVA CLR	5	V RECALL		2				6			3
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		EVB DLY	0	P RECALL									4
5	PASSAGE	0.9	0.9	0.9	1.0	0.9	4.0	1.0	1.0		EVB CLR	5	PED PHASES									5
6	MAX GAP	0.9	0.9	0.9	1.0	0.9	6.0	1.0	1.0		EVC DLY	0	RT OLA									6
7	MIN GAP	0.9	0.9	0.9	1.0	0.9	2.0	1.0	1.0		EVC CLR	5	RT OLB									7
8	MAX EXT	9	9	9	25	9	35	25	25		EVD DLY	0	DBL ENTRY				4				8	8
9	MAX 2									YR	EVD CLR	5	MAX 2 PHASES									9
A	MAX 3									MO	MAX EV	255	LAG PHASES	READ ONLY								A
B										DAY	RR2 CLR	5	RED REST									B
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	DOW			REST-IN-WALK									C
D	EVERY	1.0	1.0	1.0	1.0	1.0	0.6	1.0	1.0	HR			MAX 3 PHASES									D
E	YELLOW	3.0	3.0	3.0	4.0	3.0	5.5	4.0	4.0	MIN			YEL START UP		2				6			E
F	RED	0.0	0.0	0.0	1.0	0.0	2.0	1.0	1.0	SEC			FIRST PHASE				4			7		F
	PED XING FT													1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 8 WB @ HOTEL CIRCLE NORTH (TAYLOR STREET)**

CALTRANS C8 DATE: 9/11/95

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAG									
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH															LAG FZ FREE		X		X		X		X	0
1	FZ1 GRN FCTR													GAPOUT CP1	0	LAG FZ CP 1									1
2														GAPOUT CP2	0	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	0	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	0	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	0	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	0	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	0	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	0	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	0	LAG FZ CP 9									9
A	OFFSET A										OFFSET					LAG C COORD									A
B	OFFSET B															LAG D COORD									B
C	OFFSET C															COORD FAZES		X				X			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRP																								F

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER :
WB @ HOTEL CIRCLE

LOCATION	OFF	ON
1		X
2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: RTE 8 WB @ HOTEL CIRCLE NORTH (TAYLOR STREET)

CALTRANS C8 DATE 9/11/95

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 8 WB @ HOTEL CIRCLE NORTH (TAYLOR STREET)**

CALTRANS C8 DATE : 9/11/95

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
				ON/	S	M	T	W	T	F	S
	HR	MIN	ACT	OFF	1	2	3	4	5	6	7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
					S	M	T	W	T	F	S
	HR	MIN	CP	OS	1	2	3	4	5	6	7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
					S	M	T	W	T	F	S
	HR	MIN	CP	OS	1	2	3	4	5	6	7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

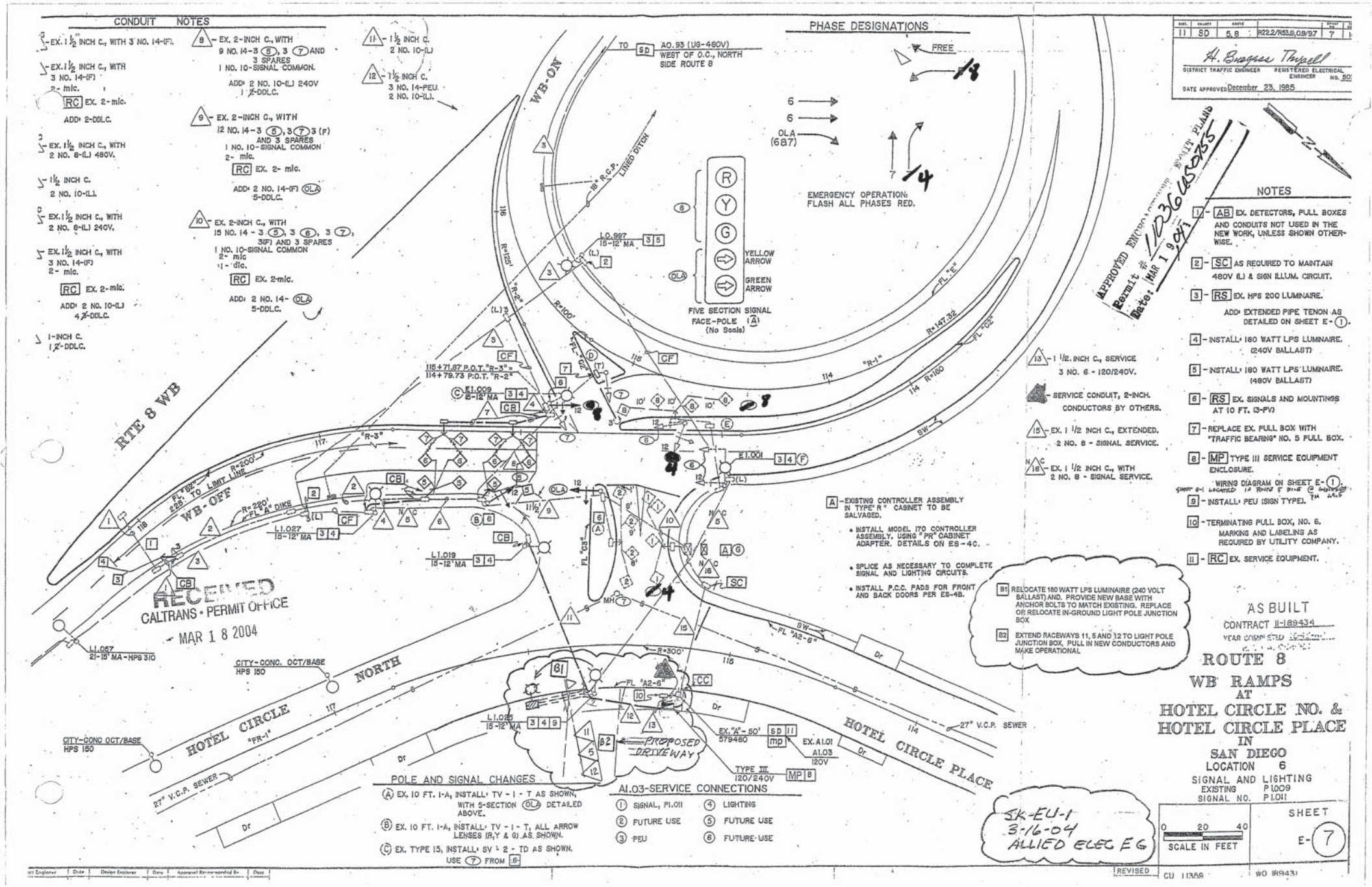
B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

D YELLOW YIELD COORDINATION

E TIME OF DAY FREE OPERATION

F FLASHING OPERATION


CONDUIT NOTES
EX. 1 1/2 INCH C., WITH 3 NO. 14-(F).
EX. 1 1/2 INCH C., WITH 3 NO. 14-(F) 2 - mlc.
RC EX. 2 - mlc.
ADD: 2-DDLC.
EX. 1 1/2 INCH C., WITH 2 NO. 8-(L) 480V.
1 1/2 INCH C. 2 NO. 10-(L).
EX. 1 1/2 INCH C., WITH 2 NO. 8-(L) 240V.
EX. 1 1/2 INCH C., WITH 3 NO. 14-(F) 2 - mlc.
RC EX. 2 - mlc.
ADD: 2 NO. 10-(L) 4 3/8-DDLC.
1-INCH C. 1 3/8-DDLC.
8 - EX. 2-INCH C., WITH 9 NO. 14-3 (5), 3 (7) AND 3 SPARES 1 NO. 10-SIGNAL COMMON.
ADD: 2 NO. 10-(L) 240V 1 3/8-DDLC.
9 - EX. 2-INCH C., WITH 12 NO. 14-3 (5), 3 (7) 3 (F) AND 3 SPARES 1 NO. 10-SIGNAL COMMON 2 - mlc.
RC EX. 2 - mlc.
ADD: 2 NO. 14-(F) (OLA) 5-DDLC.
10 - EX. 2-INCH C., WITH 15 NO. 14 - 3 (5), 3 (6), 3 (7), 3(F) AND 3 SPARES 1 NO. 10-SIGNAL COMMON 2 - mlc 1 - dlc.
RC EX. 2-mlc.
ADD: 2 NO. 14-(OLA) 5-DDLC.
11 - 1 1/2 INCH C. 2 NO. 10-(L)
12 - 1 1/2 INCH C. 3 NO. 14-PEU 2 NO. 10-(L).
PHASE DESIGNATIONS
TO SD A0.93 (UG-480V) WEST OF O.C., NORTH SIDE ROUTE 8
FREE
6
6
OLA (687)
7
EMERGENCY OPERATION: FLASH ALL PHASES RED.
R
Y
G
YELLOW ARROW
GREEN ARROW
FIVE SECTION SIGNAL FACE-POLE (A) (No Scale)
WB-ON
RTE 8 WB
WB-OFF
NORTH
HOTEL CIRCLE NO.
HOTEL CIRCLE PLACE
HOTEL CIRCLE
"R-1"
"R-2"
"R-3"
"FR-1"
16" R.C.P. LINED DITCH
27" V.C.P. SEWER
PROPOSED DRIVEWAY
115+71.67 P.O.T. "R-3" = 114+79.73 P.O.T. "R-2"
L1.009 15-12' MA 3 4
L0.987 15-12' MA 3 5
L1.001 3 4 F
L1.027 15-12' MA 3 4
L1.019 15-12' MA 3 4
L1.025 15-12' MA 3 4 9
L1.057 21-15' MA-HPS 310
CITY-CONC. OCT/BASE HPS 150
EX. "A"-50' 579460 SD 11 mp
EX. A1.01 A1.03 120V
TYPE III 120/240V MP 8
POLE AND SIGNAL CHANGES
(A) EX. 10 FT. I-A, INSTALL: TV - 1 - T AS SHOWN, WITH 5-SECTION (OLA) DETAILED ABOVE.
(B) EX. 10 FT. I-A, INSTALL: TV - 1 - T, ALL ARROW LENSES (R,Y & G) AS SHOWN.
(C) EX. TYPE 15, INSTALL: SV 1 2 - TD AS SHOWN. USE (7) FROM 16
A1.03-SERVICE CONNECTIONS
(1) SIGNAL, P1.011
(2) FUTURE USE
(3) PEU
(4) LIGHTING
(5) FUTURE USE
(6) FUTURE USE
A - EXISTING CONTROLLER ASSEMBLY IN TYPE "R" CABINET TO BE SALVAGED.
• INSTALL MODEL 170 CONTROLLER ASSEMBLY, USING "PR" CABINET ADAPTER. DETAILS ON ES-4C.
• SPLICE AS NECESSARY TO COMPLETE SIGNAL AND LIGHTING CIRCUITS.
• INSTALL P.C.C. PADS FOR FRONT AND BACK DOORS PER ES-4B.
B1 RELOCATE 180 WATT LPS LUMINAIRE (240 VOLT BALLAST) AND. PROVIDE NEW BASE WITH ANCHOR BOLTS TO MATCH EXISTING. REPLACE OR RELOCATE IN-GROUND LIGHT POLE JUNCTION BOX
B2 EXTEND RACEWAYS 11, 5 AND 12 TO LIGHT POLE JUNCTION BOX, PULL IN NEW CONDUCTORS AND MAKE OPERATIONAL
13 - 1 1/2 INCH C., SERVICE 3 NO. 6 - 120/240V.
SERVICE CONDUIT, 2-INCH. CONDUCTORS BY OTHERS.
15 - EX. 1 1/2 INCH C., EXTENDED. 2 NO. 8 - SIGNAL SERVICE.
16 - EX. 1 1/2 INCH C., WITH 2 NO. 8 - SIGNAL SERVICE.
NOTES
1 - AB EX. DETECTORS, PULL BOXES AND CONDUITS NOT USED IN THE NEW WORK, UNLESS SHOWN OTHERWISE.
2 - SC AS REQUIRED TO MAINTAIN 480V (L) & SIGN ILLUM. CIRCUIT.
3 - RS EX. HPS 200 LUMINAIRE. ADD: EXTENDED PIPE TENON AS DETAILED ON SHEET E-(1).
4 - INSTALL: 180 WATT LPS LUMINAIRE. (240V BALLAST)
5 - INSTALL: 180 WATT LPS LUMINAIRE. (480V BALLAST)
6 - RS EX. SIGNALS AND MOUNTINGS AT 10 FT. (3-FV)
7 - REPLACE EX. PULL BOX WITH "TRAFFIC BEARING" NO. 5 PULL BOX.
8 - MP TYPE III SERVICE EQUIPMENT ENCLOSURE. WIRING DIAGRAM ON SHEET E-(1) LOCATED IN ROUTE 5 PLANS (2 WORKING DAYS PRIOR TO ADVERTISING)
9 - INSTALL: PEU (SIGN TYPE).
10 - TERMINATING PULL BOX, NO. 6. MARKING AND LABELING AS REQUIRED BY UTILITY COMPANY.
11 - RC EX. SERVICE EQUIPMENT.
RECEIVED CALTRANS • PERMIT OFFICE MAR 18 2004
APPROVED ENCROACHMENT PERMIT PLANS Permit # 1236450735 Date: MAR 19 04
11 SD 5.8 R22.2/R33.8, 0.9/9.7 7
H. Bruggeman Thrpell DISTRICT TRAFFIC ENGINEER REGISTERED ELECTRICAL ENGINEER No. 50
DATE APPROVED December 23, 1985
AS BUILT CONTRACT 11-189434 YEAR COMPLETED 19
ROUTE 8
WB RAMPS AT HOTEL CIRCLE NO. & HOTEL CIRCLE PLACE IN SAN DIEGO
LOCATION 6
SIGNAL AND LIGHTING
EXISTING SIGNAL NO. P1.009 P1.011
SK-EU-1 3-16-04 ALLIED ELEC EG
0 20 40 SCALE IN FEET
SHEET E-7
REVISED
CU 11358
WO 18943

48

INTERSECTION: FASHION VALLEY RD @ HOTEL CIRCLE N

223 Program

Group Assignment:
Field Master Assignment:

N/S Street Name: FASHION VALLEY
E/W Street Name: HOTEL CIRCLE N

HOTEL CIRCLE N | FASHION VALLEY | HOTEL CIRCLE N

Row	Column # / Phase #	1	2 →	3	4	5	6 ←	7	8
0	Ped Walk				7		7		
1	Ped FDW				10		12		
2	Min Green		4		4	4	4		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn		2.8		2.0	2.0	3.9		
6	Max Gap		2.8		2.0	2.0	3.9		
7	Min Gap		0.2		2.0	2.0	0.2		
8	Max Limit		40		40	30	40		
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs						2		
C	Reduce By		0.1				0.1		
D	Every		1.1				0.8		
E	Yellow		3.9		3.9	3.4	3.9		
F	Red Clear		1.0		1.0	1.0	1.0		

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

F + E + Row

Row		F
0	Permit	2 456
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	4 6
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	2 6
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	2 6
F	1st Phases	4

F + F + Row

Max Initial	0	F + 0 + E
Red Revert	5.0	F + 0 + F
All Red Start	0.0	F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel		(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	2 4 6	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: M2S
Approved By: FLG
Drawing Number: 27700-4-D
Timing Implemented On:

Sent to Street Div. for implementation
Mariana

INTERSECTION: FASHION VALLEY RD @ HOTEL CIRCLE N

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1_345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 = Bus Advance

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5	10.0	
6		
7		
8		
9		1.8
A		
B		
C		
D		
E		
F	---	---

Note: 336 Controller Cabinet

Detector Name	336 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	3I3U	21
	3I3L	25
	4I4U	9
	4I4L	16
	5I5U	3
	5I5L	7
	6I6U	23
	6I6L	27
	7I7U	11
	7I7L	18
	8I8U	20
	8I8L	
---	---	---

Row	2 Delay	4 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row	0 Detector #
0	
1	System Det. # 1
2	System Det. # 2
3	System Det. # 3
4	System Det. # 4
5	System Det. # 5
6	System Det. # 6
7	System Det. # 7
8	System Det. # 8

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

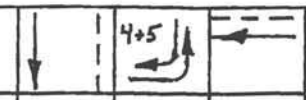
Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

200 SA 1.e

PHASE TIMING

Hotel Circle — Fashion Valley — Hotel Circle



INTERVAL		1	2	3	4	5	6	7	8
WALK	0				7		7		
FLASH D/W	1				9		12		
MIN GREEN	2		4		4	4	4		
TYPE 3 DET	3								
ADD PER VEH	4								
VEH EXTN *	5		3.1		2.0	2.0	3.1		
MAX GAP *	6		3.1		2.0	2.0	3.1		
MIN GAP *	7		0.2		2.0	2.0	0.2		
MAX EXTN	8		40		40	30	40		
MAX 2	9								
BUS LEAD	A								
CALL TO PHS	B					2			
REDUCE BY	C		0.1				0.1		
EVERY	D		1.0				1.0		
YELLOW	E		3.9		4.2	3.0	3.9		
RED CLEAR	F		1.0		1.0	1.0	1.0		

F + PHASE + LOCATION

PREEMPT		
	E	
RR 1 DELAY		0
RR 1 CLEAR		1
EVA DELAY		2
EVA CLEAR		3
EVB DELAY		4
EVB CLEAR		5
EVC DELAY		6
EVC CLEAR		7
EVD DELAY		8
EVD CLEAR		9
RR2 DELAY		A
RR 2 CLEAR		B
EV CLR TMR		C
EV DLY TMR		D
RR CLR TMR		E
RR DLY TMR		F

* Must be the same for non-density operation

MAX INITIAL (F-0-E) 0 RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0		X		X	X	X		
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3								
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A		X				X		
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F				X				

F + F + FUNCTION

OVERLAP TIMING

LOAD SWITCH		GREEN 9	YELLOW C	RED D
	OLAP A			
	OLAP B			
	OLAP C			
	OLAP D			

D + 0 + OVERLAP

F + COLOR +

PHASE SEQUENCE

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X		X		X		

C + F + 0

MANUAL (C-A-1) 14

ADDRESS (C-0-0)

TURN-ON DATE: 03-14-1978

TIME:

DRAWING NO. D- 27700-4-D

LAST CHANGE: 11-24-1998

BY: BJU

W.O. #620027 T.O. 10:00

LOCATION Fashion Valley Rd & Hotel Circle North

DETECTOR TIMES (Type 336 Cabinet)

Y \ X	1 SET DELAY	2 SET DELAY	3 SET CARRY	4 SET CARRY	5 OBS COUNT	6 OBS COUNT	7 OBS DELAY	8 OBS DELAY	9 OBS CARRY	A OBS CARRY
0	1I1U	5I5U	1I1U	5I5U	1I1U	5I5U	1I1U	5I5U	1I1U	5I5U
1	2I2U	6I6U	2I2U 1.8	6I6U 1.8	2I2U	6I6U	2I2U	6I6U	2I2U	6I6U
2	2I2L	6I6L	2I2L	6I6L	2I2L	6I6L	2I2L	6I6L	2I2L	6I6L
3										
4										
5	2I1L	6I5L	2I1L	6I5L	2I1L	6I5L	2I1L	6I5L	2I1L	6I5L
6	3I3U	7I7U	3I3U	7I7U	3I3U	7I7U	3I3U	7I7U	3I3U	7I7U
7	4I4U 10.	8I8U	4I4U	8I8U	4I4U	8I8U	4I4U	8I8U	4I4U	8I8U
8	4I4L	8I8L	4I4L	8I8L	4I4L	8I8L	4I4L	8I8L	4I4L	8I8L
9										
A										
B	4I3L	8I7L	4I3L	8I7L	4I3L	8I7L	4I3L	8I7L	4I3L	8I7L
C										
D										

D + X (ACROSS) + Y (DOWN)

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

7 + EVENT #

PHASE OR FUNCTION

1	2	3	4	5	6	7	8

D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT	E-1-LOCAL OVERRIDE
1-RED LOCK	2-PHASE BANK 2
2-YELLOW	3-PHASE BANK 3
3-VEH RECALL	7-DET COUNT
4-PED RECALL	8-SPLIT MONITOR
5-[RESERVED]	
6-REST IN WALK	F - TOD OUTPUTS
7-RED REST	1- TOD OUTPUT 1
8-DBL ENTRY	2- TOD OUTPUT 2
9-VEH MAX RCL	3- TOD OUTPUT 3
A-SOFT RCL	4- TOD OUTPUT 4
B-MAX 2 EXT	
C-COND SERV	
D-TOD LAG PHS	

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5				X				
OLB GN OMIT	6								
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A								
EMVEH B	B								
EMVEH C	C								
EMVEH D	D								
EXTRA	E	X		X					
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAYLIGHT
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5								
PED 6P	6						X		
PED 4P	7				X				
PED 8P	8								
FLH YELLOW	9								
OVERLAP A	A				X	X			
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F	X							

E + F + INTERVAL

LOCATION	Fashion Valley Rd	&	Hotel Circle North

INTERSECTION: CMN DEL RIO (N) @ MISSION CENTER

223 Program

Group Assignment: 4096
Field Master Assignment: NONE
N/S Street Name: MISSION CENTER
E/W Street Name: CMN DEL RIO (N)
Last Database Change:
System Ref. Number: 520

N

	AUTO CIRCLE	CAM DEL RIO (N)		MISSION CENTER		CAM DEL RIO (N)	
Column # ---->	Phase						
Phase # ---->	1	2	3	4	5	6	7	8
Row								
0	Ped Walk					7		7
1	Ped FDW					16		24
2	Min Green	4	10	4	7	4	10	4	7
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	3.0	2.0	2.0	3.0	2.0	4.4	2.0	2.0
6	Max Gap	3.0	2.0	2.0	3.0	2.0	4.4	2.0	2.0
7	Min Gap	3.0	2.0	2.0	3.0	2.0	0.2	2.0	2.0
8	Max Limit	30	60	30	35	30	60	30	35
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By						0.1		
D	Every						0.7		
E	Yellow	3.4	3.9	3.4	3.9	3.4	3.9	3.4	4.3
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Grade								

Phase Timing - Bank 1
F + Phase + Row

Row		E
	RR-1 Delay	
	RR-1 Clear	
	EV-A Delay	0
	EV-A Clear	0
	EV-B Delay	0
	EV-B Clear	0
	EV-C Delay	0
	EV-C Clear	0
	EV-D Delay	0
	EV-D Clear	0
	RR-2 Delay	
	RR-2 Clear	
	View EV Delay	---
	View EV Clear	---
	View RR Delay	---
	View RR Clear	---

Preempt Timing
F + E + Row

Row		F
0	Permit	12345678
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	Peds (View)	6 8
6	Rest In Walk	
7	Red Rest	
8	Dbl Entry	
9	Max Recall	
A	Soft Recall	2 6
B	Max 2	
C	Cond Serv	
D	Ped Lock	12345678
E	Yellow Start	2 6
F	1st Phases	4 8

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	1
Zone Number	1
Area Number	4
Area Address	65
QuicNet Channel	DIGI85:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	2 4 6 8	0

Lag Phases <C Page>

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page>
F + COLOR +

<D Page>
D + 0 + OVERLAP

Manual Plan	0
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	234

Disable Communication Ports
D + D + 9

Timing Sheet By: EFF
Approved By: EFF
Drawing Number:
Timing Implemented On: 11/14/06

INTERSECTION: CMN DEL RIO (N) @ MISSION CENTER

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0	:			
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: CMN DEL RIO (N) @ MISSION CENTER

223 Program

Row	Column # / Plan Name	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length			140	150	140				
1	Phase 1 - ForceOff			102	115	107				
2	Phase 2 - ForceOff			0	0	0				
3	Phase 3 - ForceOff			38	32	30				
4	Phase 4 - ForceOff			71	68	64				
5	Phase 5 - ForceOff			102	104	102				
6	Phase 6 - ForceOff			0	0	0				
7	Phase 7 - ForceOff			34	32	28				
8	Phase 8 - ForceOff			71	68	64				
9	Ring Offset									
A	Offset A			98	6	114				
B	Offset B									
C	Offset C									
D	Permissive			10	10	10				
E	Hold Release			255	255	255				
F	Ped Shift			0	0	0				

Coordination <C Page>

C + Plan + ROW

Coordination Timing By: EFF

Implemented On: 12/5/2001

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	11 : 00	3	A	_23456_
1	15 : 00	4	A	_23456_
2	19 : 00	E	A	1234567
3	10 : 00	5	A	1____7
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Coordination

<9 Key with C+0+9=1>

Plan Select

1 thru 9 = Coordination Plan 1 thru 9

14 or E = Free

15 or F = Flash

	E	Row		F
		0	Free Lag	_2_4_6_8
Plan 1		1	Plan 1 - Lag	
Plan 2		2	Plan 2 - Lag	
Plan 3	_2___6__	3	Plan 3 - Lag	_2_4_6_8
Plan 4	_2___6__	4	Plan 4 - Lag	_2_4_6_8
Plan 5	_2___6__	5	Plan 5 - Lag	_2_4_6_8
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Transition Type	0

TBC Transition

C + D + D

Transition Type

0 = Shortway

Non-zero = Lengthen

INTERSECTION: CMN DEL RIO (N) & MISSION CENTER / AUTO CIRCLE

223 gram

Group Assignment: 4096
Field Master Assignment: NONE

N/S Street Name: MISSION CENTER / AUTO CIRCLE
E/W Street Name: CMN DEL RIO (N)

Last Database Change: 08/28/200
Timing Sheet By: EFF
Approved By: MM
System Ref. Number: 520
Drawing Number: 29103-25
Timing Implemented On: 10/17/01

EFF 8/5/02

11-8-06 9am

Row	Phase # →	1	2	3	4	5	6	7	8
	Column # →	AUTO CIRCLE		CMN DEL RIO N.			MISSION CTR		CMN DEL RIO N.
0	Ped Walk						7		7
1	Ped FDW						16		24
2	Min Green	4	10	4	7	4	10	4	7
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	3.0 ~~2.0~~	2.0	2.0	3.0 ~~2.0~~	2.0	4.4	2.0	2.0
6	Max Gap	3.0 ~~2.0~~	2.0	2.0	3.0 ~~2.0~~	2.0	4.4	2.0	2.0
7	Min Gap	3.0 ~~2.0~~	2.0	2.0	3.0 ~~2.0~~	2.0	0.2	2.0	2.0
8	Max Limit	30	60	30	35 ~~40~~	30	60	30	35 ~~40~~
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs								
C	Reduce By						0.1		
D	Every						0.7		
E	Yellow	3.4 ~~3.0~~	3.9 ~~3.2~~	3.4 ~~3.0~~	3.9	3.4 ~~3.0~~	3.9 ~~3.0~~	3.4 ~~3.0~~	4.3
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1 <F Page>
F + Phase + Row

Row	E
RR-1 Delay	
RR-1 Clear	
EV-A Delay	0
EV-A Clear	0
EV-B Delay	0
EV-B Clear	0
EV-C Delay	0
EV-C Clear	0
EV-D Delay	0
EV-D Clear	0
RR-2 Delay	
RR-2 Clear	
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing
F + E + Row

Row	F
Permit	12345678
Red Lock	
Yellow Lock	
Min Recall	
Ped Recall	
Peds (View)	_____6_8
Rest In Walk	
Red Rest	
Dbl Entry	
Max Recall	
Soft Recall	_2___6__
Max 2	
Cond Serv	
Ped Lock	12345678
Yellow Start	_2___6__
1st Phases	___4___8

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

Start / Revert Times — F + 0 + E / F + 0 + F / F + C + O

Drop Number	1
Zone Number	1
Area Number	4
Area Address	65
QuicNet Channel	DIGI85:

C + 0 + 0 / C + 0 + 1 / C + 0 + 2 / C + 0 + 3 / (QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2_4_6_8	0

Lag Phases <C Page>

Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A			
Overlap B	B			
Overlap C	C			
Overlap D	D			

<F Page> **Overlap Timing** <D Page>
F + COLOR + D + 0 + OVERLAP

Manual Plan	0
Manual Offset	0

C + A + 1 / C + B + 1

Manual Selection

Manual Plan: 0 = Automatic; 1-9 = Plan 1-9; 14 = Free; 15 = Flash

Manual Offset: 0 = Automatic; 1 = Offset A; 2 = Offset B; 3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 +8

Disable Ports	_234___

Disable Communication Ports
D + D + 9

(2)

INTERSECTION: CMN DEL RIO (N) & MISSION CENTER

223 Program

Row	Time	Function	Day of Week	Column F Phases/Bits
0	00 : 01	E	1234567	1_____
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	
6	Ped 6P	6
7	Ped 4P	
8	Ped 8P	8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration

E + F + ROW

<E Page>

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4 7
C	EV-C Phases	1 6
D	EV-D Phases	3 8
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

For access, set F + 9 + E = 1

Configuration

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Prelimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week

8-1 Day-of-Month, Year, Month

8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program

C + C + F = version

Remote Download

C + 0 + 4 = 1 -255

w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I10U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234____
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	____5678
E	– – – – – – – –	1234____
F	– 25 26 27 28 – – –	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: CMN DEL RIO (N) & MISSION CENTER

223 Program

Coordination Timing By: ARS
Implemented On: 5/17/94

Row	Column # ---> / Plan Name --->	Plan 1	2	3	4	5	6	7	8	9
0	Cycle Length	120								
1	Phase 1 - ForceOff	92								
2	Phase 2 - ForceOff									
3	Phase 3 - ForceOff	31								
4	Phase 4 - ForceOff	60								
5	Phase 5 - ForceOff	92								
6	Phase 6 - ForceOff									
7	Phase 7 - ForceOff	31								
8	Phase 8 - ForceOff	60								
9	Ring Offset									
A	Offset A	19								
B	Offset B									
C	Offset C									
D	Permissive	10								
E	Hold Release	255								
F	Ped Shift	6								

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Coordination <C Page>

C + Plan + ROW

Row	Time	Plan	Offset	Day of Week
0	11 : 30	1	A	1234567
1	19 : 00	E	A	1234567
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Coordination

<9 Key with C+0+9=1>

	E	Row		F
		0	Free Lag	2 4 6 8
Plan 1	2 6	1	Plan 1 - Lag	2 4 6 8
Plan 2		2	Plan 2 - Lag	
Plan 3		3	Plan 3 - Lag	
Plan 4		4	Plan 4 - Lag	
Plan 5		5	Plan 5 - Lag	
Plan 6		6	Plan 6 - Lag	
Plan 7		7	Plan 7 - Lag	
Plan 8		8	Plan 8 - Lag	
Plan 9		9	Plan 9 - Lag	
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases

C + E + FUNCTION #

Lag Phases <C Page>

C + F + FUNCTION #

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

50 LOCATION: **RTE 8 WB @ CAMINO DEL RIO NORTH**

CALTRANS C8 Version 3 DATE: 1/27/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	1	1	40	1	1	1	1	CLK RST
1	DONT WALK	1	1	1	1	1	1	1	1	
2	MIN GREEN	5	12	1	8	6	10	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	3.0	0.0	3.0	0.0	3.0	0.0	0.0	
5	PASSAGE	2.0	3.0	0.9	4.0	0.9	3.0	0.9	0.9	
6	MAX GAP	2.0	3.0	0.9	4.0	0.9	3.0	0.9	0.9	
7	MIN GAP	2.0	3.0	0.9	4.0	0.9	3.0	0.9	0.9	
8	MAX EXT	30	20	9	45	20	20	9	9	
9	MAX 2									YR
A	MAX 3				75					MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.7	5.0	3.0	5.0	3.0	5.0	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT									
	BIKE XING FT		81				56			

PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
EV SEL	0	PERMIT	1	2		4	5	6			0
RR1 CLR	5	RED LOCK	1								1
EVA DLY	0	YEL LOCK		2				6			2
EVA CLR	5	V RECALL				4					3
EVB DLY	0	P RECALL									4
EVB CLR	5	PED PHASES				4					5
EVC DLY	0	RT OLA									6
EVC CLR	5	RT OLB									7
EVD DLY	0	DBL ENTRY		2				6			8
EVD CLR	5	MAX 2 PHASES									9
MAX EV	255	LAG PHASES	READ ONLY								A
RR2 CLR	5	RED REST									B
		REST-IN-WALK									C
		MAX 3 PHASES				4					D
		YEL START UP		2				6			E
		FIRST PHASE				4					F
			1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	15
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY ▒

LOCATION: **RTE 8 WB @ CAMINO DEL RIO NORTH**

CALTRANS C8 Version 3 DATE: 12/14/2004

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	140	150												LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR	25	30											GAPOUT CP1	LAG FZ CP 1		2		4	5			8	1
2														GAPOUT CP2	LAG FZ CP 2		2		4	5			8	2
3	FZ3 GRN FCTR	0	0											GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR	70	70								PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR	20	25								LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR	0	0								LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR	0	0								NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE	0	0											GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A	65	85								OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP *SYSTEM MASTER:*
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS								
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8	
0	RCL									RCL									RCL									0
1	CP 1					5				CP 1		2				6			CP 1				4					1
2	CP 2					5				CP 2		2				6			CP 2				4					2
3	CP 3									CP 3									CP 3									3
4	CP 4									CP 4									CP 4									4
5	CP 5									CP 5									CP 5									5
6	CP 6									CP 6									CP 6									6
7	CP 7									CP 7									CP 7									7
8	CP 8									CP 8									CP 8									8
9	CP 9									CP 9									CP 9									9
A																			RCL 1									A
B																			RCL 2									B
C																												C
D																												D
E																												E
F																												F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	11	00	3	X	1	2	3	4	5	6	7
1	19	00	3		1	2	3	4	5	6	7
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

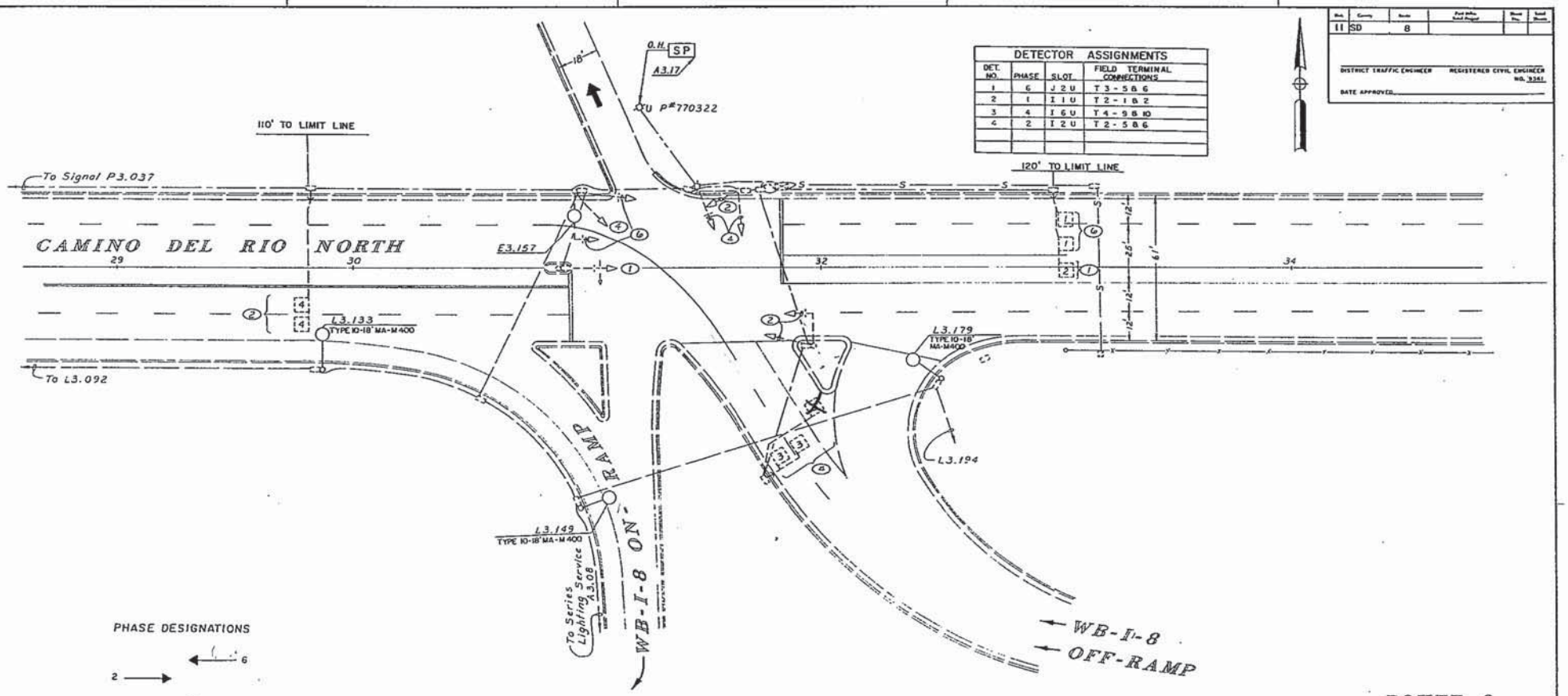
CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	11	00	1	A		2	3	4	5	6	
1	15	00	2	A		2	3	4	5	6	
2	19	00	E	A		2	3	4	5	6	
3	11	00	1	A	1						7
4	18	00	E	A	1						7
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE CO9 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION



ROUTE 8
AT
W. B. RAMPS
TO
CAMINO DEL RIO NORTH
IN
SAN DIEGO

SIGNAL AND LIGHTING

SIGNAL NO. P 3.157

SCALE IN FEET 0 20 40

SHEET E-

Dist.	County	Route	Post Mile / Kilo Post	Sheet No.	Total Sheets
11	SD	8			

DISTRICT TRAFFIC ENGINEER

REGISTERED CIVIL ENGINEER NO. 9341

DATE APPROVED

Project Engineer	Date	Design Engineer	Date	Approval Recommended By	Date

CU 11359 WO 182811

FORM WH 23A-PF

51

200 SA 1.e

CAM DEL RIO N — CAM DEL ESTE — CAM DEL RIO N

PHASE TIMING

INTERVAL		1	2	3	4	5	6	7	8
WALK	0				7		7		
FLASH D/W	1				10		23		
MIN GREEN	2		4		4	4	4		
TYPE 3 DET	3								
ADD PER VEH	4				3.8				
VEH EXTN *	5		~~3.0~~ 3.5		~~3.0~~ 3.8	2.0	~~3.0~~ 3.5		
MAX GAP *	6		~~3.0~~ 3.5		~~3.0~~ 3.8	2.0	~~3.0~~ 3.5		
MIN GAP *	7		0.2		0.2	2.0	0.2		
MAX EXTN	8		60		40	30	60		
MAX 2	9								
BUS LEAD	A								
CALL TO PHS	B								
REDUCE BY	C		0.1		0.1		0.1		
EVERY	D		~~1.1~~ 1.3		~~1.1~~ 1.0.8		~~1.1~~ 1.3		
YELLOW	E		3.5		3.5	3.0	3.5		
RED CLEAR	F		1.0		1.0	1.0	1.0		

F + PHASE + LOCATION

PREEMPT		
RR 1 DELAY		0
RR 1 CLEAR		1
EVA DELAY	0	2
EVA CLEAR	3	3
EVB DELAY	0	4
EVB CLEAR	3	5
EVC DELAY	0	6
EVC CLEAR	3	7
EVD DELAY		8
EVD CLEAR		9
RR2 DELAY		A
RR 2 CLEAR		B
EV CLR TMR		C
EV DLY TMR		D
RR CLR TMR		E
RR DLY TMR		F

* Must be the same for non-density operation

MAX INITIAL (F-0-E) 0 RED REVERT (F-0-F) 5.0 ALL-RED START (F-C-0) 0.0

PHASE FUNCTION FLAGS

		PHASE 1	2	3	4	5	6	7	8
PERMIT	0		X		X	X	X		
RED LOCK	1								
YELLOW LOCK	2								
VEHICLE RECALL	3								
PED RECALL	4								
PEDS (VIEW)	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A		X				X		
MAX 2	B								
COND SERVICE	C								
	D								
START-UP	E		X				X		
FIRST PHASES	F				X				

F + F + FUNCTION

OVERLAP TIMING

LOAD SWITCH		GREEN 9	YELLOW C	RED D
	OLAP A			
	OLAP B			
	OLAP C			
	OLAP D			

D + 0 + OVERLAP

F + COLOR +

PHASE SEQUENCE

LAG 0 (FREE)

PHASE 1	2	3	4	5	6	7	8
	X		X		X		

C + F + 0

MANUAL (C-A-1) 14

ADDRESS (C-0-0) 0

TURN-ON DATE: 02-04-1998

TIME: 10:40

DRAWING NO. D- 28634-2-D

LAST CHANGE: 01-21-1998

BY: JMV

WO 967082

LOCATION CAMINO DEL ESTE & CAMINO DEL RIO N

DETECTOR TIMES

Y \ X	SET DELAY 1	2	SET CARRY 3	4	OBS COUNT 5	6	OBS DELAY 7	8	OBS CARRY 9	A
0	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1	1I1	5J1
1	2I2U	6J2U	2I2U 1.8	6J2U 1.8	2I2U	6J2U	2I2U	6J2U	2I2U	6J2U
2	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L	2I2L	6J2L
3	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U	2I3U	6J3U
4	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L	2I3L	6J3L
5	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4	2I4	6J4
6	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5	3I5	7J5
7	4I6U	8J6U	4I6U 1.8	8J6U	4I6U	8J6U	4I6U	8J6U	4I6U	8J6U
8	4I6L 10.	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L	4I6L	8J6L
9	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U	4I7U	8J7U
A	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L	4I7L	8J7L
B	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8	4I8	8J8
C	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U	1I9U	5J9U
D	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L	3I9L	7J9L

D + X (ACROSS) + Y (DOWN)

TIME OF DAY FEATURES

EVENT	TIME	FUNC	DAY OF WEEK S	M	T	W	T	F	S
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									

7 + EVENT #

PHASE OR FUNCTION

1	2	3	4	5	6	7	8

D + F + EVENT

TIME OF DAY FUNCTION CODES

0-PERMIT
1-RED LOCK
2-YELLOW LOCK
3-VEH RECALL
4-PED RECALL
5-[RESERVED]
6-REST IN WALK
7-RED REST
8-DBL ENTRY
9-VEH MAX RCL
A-SOFT RCL
B-MAX 2 EXT
C-COND SERV
D-TOD LAG PHS

E-1-LOCAL OVERRIDE
2-PHASE BANK 2
3-PHASE BANK 3
7-DET COUNT
8-SPLIT MONITOR

F - TOD OUTPUTS
1- TOD OUTPUT 1
2- TOD OUTPUT 2
3- TOD OUTPUT 3
4- TOD OUTPUT 4

TIME AND DATE

8 - 0 HOUR, MINUTE, DAY-OF-WEEK
8 - 1 DAY-OF-MONTH, YEAR, MONTH
8 - F SECONDS

TO ACCESS CONFIGURATION DATA, SET F-9-E = 1

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
EXCLUSIVE	0								
RR1 GN CLR	1								
RR2 GRN CLR	2								
RR2 LTD SRV	3								
PRO/PERM	4								
OLA GN OMIT	5								
OLB GN OMIT	6								
OLC GN OMIT	7								
OLD GN OMIT	8								
OV FL YELLOW	9								
EMVEH A	A		X			X			
EMVEH B	B				X				
EMVEH C	C						X		
EMVEH D	D								
EXTRA	E	X		X	X				
IC SELECT	F		X						

E + E + INTERVAL

EXTRA (E+E+E)
1-TBC TYPE 1
2-NEMA COORD
3-DAVLIGHT
4-EV ADVANCE
5-REMOTE EVP
6-SPECIAL EVENT
7-PRETIMED
8-SPLIT RING

ICSELECT (E+E+F)
1-SIMPLEX IN
2-2 WAY MODEM
3-7 WIRE IN
4-FLH/FREE
5-SIMPLEX OUT
6-7 WIRE OUT

ASSIGN5 (E+F+F)
1-RT OVERLAP
2-TOD OUTPUTS
3-STEADY EV BEACON
4-FLASH EV BEACON

CONFIGURATION DATA

		PHASE 1	2	3	4	5	6	7	8
	0								
RR OLAP A	1								
RR OLAP B	2								
RR OLAP C	3								
RR OLAP D	4								
PED 2P	5								
PED 6P	6						X		
PED 4P	7				X				
PED 8P	8								
FLH YELLOW	9								
OVERLAP A	A								
OVERLAP B	B								
OVERLAP C	C								
OVERLAP D	D								
RESTRICT	E								
ASSIGN5	F								

E + F + INTERVAL

LOCATION	CAMINO DEL ESTE & CAMINO DEL RIO N

LOCATION: **RTE 8 WB @ TEXAS ST. / QUALCOMM WAY**

CALTRANS C8 Version 3 DATE: 1/27/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8
0	WALK	1	7	7	7	1	7	1	1
1	DONT WALK	1	10	30	34	1	23	1	1
2	MIN GREEN	1	12	15	5	14	13	1	1
3	TYPE 3 DET	0	0	0	0	0	0	0	0
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	PASSAGE	0.9	2.0	2.0	2.0	1.0	5.0	0.9	0.9
6	MAX GAP	0.9	2.0	2.0	2.0	1.0	3.0	0.9	0.9
7	MIN GAP	0.9	2.0	2.0	2.0	1.0	3.0	0.9	0.9
8	MAX EXT	30	45	30	30	20	45	9	9
9	MAX 2								
A	MAX 3								
B									
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	YELLOW	3.0	5.0	4.1	4.1	3.7	5.0	3.0	3.0
F	RED	1.0	2.0	1.0	1.0	1.0	2.0	1.0	1.0
	PED XING FT		32	104	120		80		
	BIKE XING FT		86	122		106	89		

CLK RST	
YR	
MO	
DAY	
DOW	
HR	
MIN	
SEC	

PRE-EMPTION E	
EV SEL	0
RR1 CLR	5
EVA DLY	0
EVA CLR	5
EVB DLY	0
EVB CLR	5
EVC DLY	0
EVC CLR	5
EVD DLY	0
EVD CLR	5
MAX EV	255
RR2 CLR	5

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2	3	4	5	6	7	8	0
RED LOCK	1								1
YEL LOCK									2
V RECALL		2				6			3
P RECALL									4
PED PHASES		2	3	4		6			5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES									9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE			3						F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 8 WB @ TEXAS ST. / QUALCOMM WAY**

CALTRANS C8 Version 3 DATE: 1/27/2015

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS								
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME		5	GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET		5	GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF		230	GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN		100	GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN		200	GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET		5		LAG C COORD									A
B	OFFSET B														LAG D COORD	1			4		6		8	B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
WB @ QUALCOMM WAY

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL	1								3
4										EXCLUSIVE									4
5										2 PED		2							5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED			3						8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

LOCATION: **RTE 8 WB @ TEXAS ST. / QUALCOMM WAY**

CALTRANS C8 Version 3 DATE: 3/3/2005

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	06	45	D	X	1	2	3	4	5	6	7
1	21	00	D		1	2	3	4	5	6	7
2	10	00	9	X	1	2	3	4	5	6	7
3	18	45	9		1	2	3	4	5	6	7
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

POLE SCHEDULE

LOC.	STANDARD TYPE	MASTARM SIG.	MASTARM LUM.	PLACEMENT DIMENSIONS A ft.	PLACEMENT DIMENSIONS B ft.	SIGNAL MOUNTING & PLACEMENT VEHICLE POLE	VEHICLE MASTARM	PEDESTRIAN SIGNAL	PEDESTRIAN P.P.B.	REMARKS
Ⓐ	26-4-80	[1] 45'	12'		2-1/2	SV-1-T	MAT – (5) MAS – (2)	SP-1-T	←W–(8P)	150 W. HPS LUMINAIRE
Ⓑ	[3] 1-A				2-1/2	TV-2-T		SP-1-T	(2P)–W→	
Ⓒ	15-1-70	15'		STA.	2-1/2	SV-1-T [B]	MAS – [5]	SP-2-T	(2P)–W→ (4P)–W→	
Ⓓ	24-4-80	[2] 35'	12'		2-1/2	SV-1-T	MAS – [5]	SP-1-T	←W–(4P)	150 W. HPS LUMINAIRE
Ⓔ	[3] 1-A				2-1/2	TV-2-T [B]		SP-1-T	(6P)–W→	
Ⓕ	[4] 17-1-70	16' EXIST.	12' EXIST.	EXIST.	EXIST.	SV-1-T	MAS (EXIST)	SP-1-T	←W–(6P) (EXIST)	150 W. HPS LUMINAIRE (USE EXIST. Pau)
Ⓖ	1-A			6	2-1/2	TV-1-T [A]		SP-1-T	(8P)–W→	
Ⓗ	STATE – FURNISHED MODEL 170 CONTROLLER ASSEMBLY. (FOUNDATION DETAILS ES-4B).									

[A] "FAR LEFT" LEFT TURN FACES SHALL BE ALL 12 INCH ARROW LENSES (RYG).

LEGEND

■ = (LTTC) LEFT-TURN TERMINATION CONDUIT, ES-8.

= MODEL 170 CONTROLLER ASSEMBLY. ORIENT DOORS PER PLAN SITE.

EV-DLC = EMERGENCY VEHICLE DETECTOR LEAD-IN CABLE.
TERMINATE CABLE IN GREEN SECTION ON END OF MAST ARM SIGNAL HEAD.
LEAVE ONE FOOT OF SLACK.

CONDUCTOR SCHEDULE

AWG SIZE	PHASE	CIRCUIT	CONDUIT RUN & SIZE 2" (1)	2" (2)	2" (3)	1-1/4" (4)	2" (5)	2-1/2" (6)	3" (7)	1-1/4" (8)	2" (9)	2" (10)	2" (11)	3" (12)
#14	2	VEHICLE SIGNAL					3	3	3					
	8									3	3	3		3
	4		3	3	3	3		6	6	3	3	3		3
	OLA		2	2				2	2	2	2	2		2
	5						3	3	3				3	3
	6									3	3			3
	8													
	2P	WALK/DON'T WALK	2	2			2	2	2					
	8P				2	2		2	2					2
	4P		2	2				2	2	2	2	2		2
	6P										2	2	2	4
	2P	PED. PUSH BUTTON	1	1	1	1		2	2					
	8P						1	1	1				1	1
	4P		1	1				1	1		1	1		1
	6P									1	1	1		1
	2/4	P.P.B. COMM. #6	1	1	1	1	1	1	1		1	1	1	1
	6/8	P.P.B. COMM. #9								1	1	1		1
#14		PHOTOELECTRIC UNIT												3
		SPARES	3	3	3	3	3	3	3	3	3	3	3	3
		TOTAL NO. 14	15	15	10	10	13	28	28	15	22	22	10	33
#8		SIGNAL COMMON	1	1	1	1	1	1	1	1	1	1	1	1
#10		LIGHTING					2	2	2		2	2		2
TYPE "B"	2	LOOP-DLC	6	6				6	6					
	8				1	3		4	4					
	4									3	3	4		4
	5		1	1				1	1					
DLC	6								4					
EV-DLC		EMERG. VEH.-DLC	1	1				1	1		1	1		1
#6		SIGNAL CONTROLLER												
		INTERCONNECT CABLE							1					
TOTAL CONDUCTORS/CABLES			23	24	11	14	16	43	48	19	29	30	11	41

CONDUIT NOTES

13 – EXIST. 1 INCH C., 1-DLC.
[RC] EXIST. DLC.
INSTALL 2-DLC.

14 – EXIST. 1 INCH C., 1-DLC.
[RC] EXIST. DLC.
INSTALL 3-DLC.

15 – EXIST. 1 INCH C., 1-DLC.
[RC] EXIST. DLC.
INSTALL: 2-DLC
1-INTERCONNECT CABLE.

16 – EXIST. 1-1/4 INCH C., 1-DLC,
[RC] EXIST. DLC.
INSTALL: 2-DLC
1-INTERCONNECT CABLE.

17 – 1 INCH C., 3-DLC.

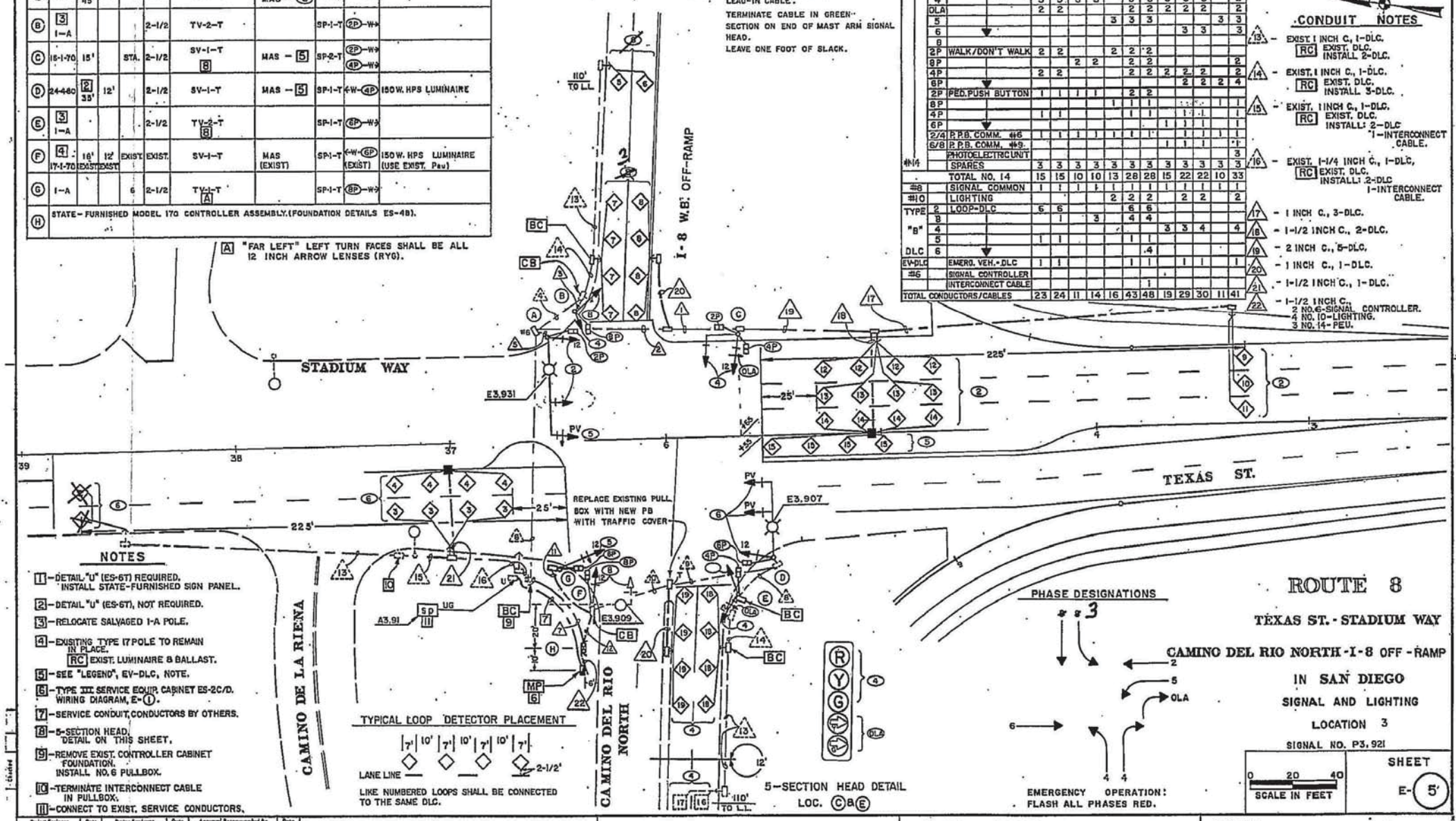
18 – 1-1/2 INCH C., 2-DLC.

19 – 2 INCH C., 5-DLC.

20 – 1 INCH C., 1-DLC.

21 – 1-1/2 INCH C., 1-DLC.

22 – 1-1/2 INCH C.,
2 NO. 6-SIGNAL CONTROLLER.
4 NO. 10-LIGHTING.
3 NO. 14-PEU.



NOTES

1 – DETAIL "U" (ES-6T) REQUIRED. INSTALL STATE-FURNISHED SIGN PANEL.

2 – DETAIL "U" (ES-6T), NOT REQUIRED.

3 – RELOCATE SALVAGED 1-A POLE.

4 – EXISTING TYPE 17 POLE TO REMAIN IN PLACE.
[RC] EXIST. LUMINAIRE & BALLAST.

5 – SEE "LEGEND", EV-DLC, NOTE.

6 – TYPE III SERVICE EQUIP. CABINET ES-2C/D. WIRING DIAGRAM, E-(1).

7 – SERVICE CONDUIT, CONDUCTORS BY OTHERS.

8 – 5-SECTION HEAD. DETAIL ON THIS SHEET.

9 – REMOVE EXIST. CONTROLLER CABINET FOUNDATION. INSTALL NO. 6 PULLBOX.

10 – TERMINATE INTERCONNECT CABLE IN PULLBOX.

11 – CONNECT TO EXIST. SERVICE CONDUCTORS.

TYPICAL LOOP DETECTOR PLACEMENT

LIKE NUMBERED LOOPS SHALL BE CONNECTED TO THE SAME DLC.

5-SECTION HEAD DETAIL LOC. ⓒⒷⓔ

PHASE DESIGNATIONS

EMERGENCY OPERATION: FLASH ALL PHASES RED.

ROUTE 8

TEXAS ST. - STADIUM WAY

CAMINO DEL RIO NORTH - I-8 OFF - RAMP

IN SAN DIEGO

SIGNAL AND LIGHTING

LOCATION 3

SIGNAL NO. P3, 921

SCALE IN FEET 0 20 40

SHEET E-5'

DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER NO. 9331

DATE APPROVED

DIST.	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	8			

DIST.	STATE
7	CALIF.

Project Engineer	Date	Design Engineer	Date	Approval Recommended By	Date
W.J. FRENDO	3/82	M.A. CHASE	3/82	R.B. FINDLAY	3/82

CU 11203 WO 111801

REV: 4/82

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		1.8
8		
9		
A	10.0	
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row	0 Detector #
0	
1	System Det. # 1
2	System Det. # 2
3	System Det. # 3
4	System Det. # 4
5	System Det. # 5
6	System Det. # 6
7	System Det. # 7
8	System Det. # 8

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: Morena Bl & Taylor St

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	2
6	Ped 6P	6
7	Ped 4P	4
8	Ped 8P	
9	Yellow Flash Phases	
A	Overlap A - Phases	45
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	4
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	2 5
B	EV-B Phases	4
C	EV-C Phases	1 6
D	EV-D Phases	
E	Extra 1 Config. Bits	1 345
F	IC Select (Interconnect)	2

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

LOCATION: **RTE 8 EB @ TAYLOR STREET**

CALTRANS C8 Version 3 DATE: 1/28/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	1	1	7	1	7	1	1	CLK RST
1	DONT WALK	1	1	1	15	1	23	1	1	
2	MIN GREEN	1	10	1	5	5	15	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	0.9	2.0	0.9	1.0	1.0	2.0	0.9	0.9	
6	MAX GAP	0.9	2.0	0.9	1.0	1.0	2.0	0.9	0.9	
7	MIN GAP	0.9	2.0	0.9	1.0	1.0	2.0	0.9	0.9	
8	MAX EXT	9	25	9	35	45	25	9	9	
9	MAX 2					20				YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.0	4.5	3.0	5.0	3.7	4.5	3.0	3.0	MIN
F	RED	0.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	SEC
	PED XING FT				52		81			
	BIKE XING FT		38				121			

PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
EV SEL	0	PERMIT		2		4	5	6			0
RR1 CLR	5	RED LOCK				4	5				1
EVA DLY	0	YEL LOCK									2
EVA CLR	5	V RECALL		2				6			3
EVB DLY	0	P RECALL									4
EVB CLR	5	PED PHASES				4		6			5
EVC DLY	0	RT OLA									6
EVC CLR	5	RT OLB									7
EVD DLY	0	DBL ENTRY									8
EVD CLR	5	MAX 2 PHASES					5				9
MAX EV	255	LAG PHASES	READ ONLY								A
RR2 CLR	5	RED REST									B
		REST-IN-WALK									C
		MAX 3 PHASES									D
		YEL START UP		2				6			E
		FIRST PHASE				4					F
			1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FD0 TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 8 EB @ TAYLOR ST.**

CALTRANS C8 DATE: 1/18/95 PAGE 2

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAG								
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH															LAG FZ FREE		X		X		X		X	0
1	FZ1 GRN FCTR													GAPOUT CP1	0	LAG FZ CP 1									1
2														GAPOUT CP2	0	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	0	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	0	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	0	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	0	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	0	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	0	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	0	LAG FZ CP 9									9
A	OFFSET A										OFFSET					LAG C COORD									A
B	OFFSET B															LAG D COORD									B
C	OFFSET C															COORD FAZES		X				X			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRP																								F

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER :
EB OFF

LOCATION	OFF	ON
1		X
2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 8 EB @ TAYLOR ST.**

CALTRANS C8 DATE 10/21/93

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 8 EB @ TAYLOR ST.**

CALTRANS C8 DATE : 10/21/93 PAGE 4

7 PAGE

TIME OF DAY ACTIVITY TABLE

7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS

	HR	MIN	ACT	ON/OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	15	20	2	X		X	X	X	X	X	
1	17	40	2			X	X	X	X	X	
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

D YELLOW YIELD COORDINATION

E TIME OF DAY FREE OPERATION

F FLASHING OPERATION

POLE SCHEDULE

LOC	STANDARD TYPE	MASTARM SIG.	MASTARM LUM.	PLACEMENT DIMENSIONS A ft.	PLACEMENT DIMENSIONS B ft.	SIGNAL MOUNTING & PLACEMENT VEHICLE POLE	VEHICLE MASTARM	PEDESTRIAN SIGNAL	PEDESTRIAN P.P.B.	REMARKS
(A)	EXIST. 17	18'	15'			EXIST. SV-1-T	EXIST. MAS	2	EXIST. 4 ⟶ ⟵ 6	EXIST. 200 WATT HPS LUMINAIRE
(B)	EXIST. PPB POST	—	—			—	—	—	EXIST. ⟵6⟶	
(C)	1-A (10')	—	—	8 1/2 E. OF NOSE	3	TV-1-T 3	—	SP-1-T	6 ⟶	
(D)	79-4-BC	25' 1	12'	PER PLAN	2-1/2	SV-2-TD	2 - MAS 5 - MAT 3	—	—	4 PEU - SIGN TYPE
(E)	1-A (10')	—	—	PER PLAN I	2-1/2	TV-1-T	—	—	—	
(F)	1-A (10')	—	—	PER PLAN	3	TV-1-T 5	—	SP-1-T	4 ⟶	
(G)	1-A (10')	—	—	PER PLAN	3	TV-1-T 5	—	—	—	
(H)	STATE-FURNISHED, MODEL 170 CONTROLLER ASSEMBLY. FOUNDATION DETAILS, ES-4B.									

4 R Y G OLA — YELLOW ARROW, GREEN ARROW

5 FIVE SECTION SIGNAL FACE POLES (F) & (G) (No Scale)

NOTES

1 - DETAIL "U", ES-6T, REQUIRED. INSTALL: STATE-FURNISHED SIGN PANEL.

2 - RS EXISTING SP-2-T PEDESTRIAN HEADS. INSTALL: NEW SP-2-T PEDESTRIAN HEADS.

3 - LEFT TURN SIGNAL FACE SHALL CONSIST OF 3-12 INCH ARROW SECTIONS (R,Y &G).

4 - INSTALL SALVAGED HPS 200 LUMINAIRE.

5 - INSTALL 5-SECTION SIGNAL FACE PER DETAIL THIS PLAN.

CONTINUED BELOW

CONDUIT NOTES

9 - 1-INCH C. 1-DLC.

10 - EXISTING 1 1/2 INCH C. WITH 2 NO.8-LIGHTING & ILLUM. SIGNS (480V).

11 - EXISTING 1-INCH C. WITH 1-dlc. RC 1-dlc. INSTALL: 1-DLC.

12 - 1 1/2 INCH C. 2 NO. 6-SIGNAL SERVICE 2 NO. 8-LIGHTING. 3 NO. 14-PEU.

13 - 1 1/2 INCH C. 4-DLC.

14 - SERVICE CONDUIT, 2-INCH C. 3 NO.6 - 120/240V SERVICE.

15 - 1-INCH C. 2-DLC.

16 - SERVICE CONDUIT, 2-INCH C. CONDUCTORS BY OTHERS.

17 - 1 1/2 INCH C. 2 NO.8-LIGHTING & ILLUM. SIGNS (480V).

18 - EXISTING 1-INCH C. WITH 1-dlc. RC 1-dlc. INSTALL: 2-DLC.

19 - EXISTING 1-INCH C. WITH 2 NO. 10-LIGHTING.

CONDUCTOR SCHEDULE

AWG SIZE	PHASE	CIRCUIT	CONDUIT SIZE & RUN 2 (1)	2 (2)	2 1/2 (3)	2 (4)	1 1/2 (5)	2 (6)	2 (11)	2 1/2 (8)
14	2	SIGNAL				3	3	3	3	3
	4					3	3	3	3	3
	OLA							2	2	2
	5		3	3	3	3	3	3	3	3
	6				3					
	4	PED SIGNAL			2			2	2	2
	6		2	2	2					
	4	PED PUSH BUTTON			1			1	1	1
	6		1	1	1					
	4/6	PPB COMMON	/1	/1	/1	/	/	1/	1/	1/
14-		SPARES	3	3	3	3	3	3	3	3
TOTAL NO. 14			10	10	17	12	12	18	18	18
10		SIGNAL COMMON	1	1	1	1	1	1	1	1
		LIGHTING	2	2	2	2				
8		LIGHTING				2	2	2	2	2
6		SIGNAL SERVICE				2	2	2	2	2
TYPE "D" DLC	2	LOOP LEAD-IN						1	2	2
	4				1	2				
	5							1	1	1
	6		4	4	4					
		EV-DLC				2	2	2	2	2
TOTAL CONDUCTORS/CABLES			17	18	26	19	19	27	28	28

LEGEND

EV-DLC= EMERGENCY VEHICLE DETECTOR LEAD IN CABLE (FUTURE USE). TERMINATE CABLES IN GREEN SECTION ON END OF MASTARM SIGNAL HEAD. LEAVE ONE FOOT OF SLACK.

* ANGLE VISORS, SHALL BE: 12" 16"

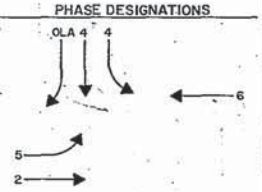
(SETS REQUIRED: 1-LEFT & 1-RIGHT)

TYPICAL LOOP DETECTOR PLACEMENT



LIKE NUMBERED LOOPS SHALL BE CONNECTED TO THE SAME DLC.

PHASE DESIGNATIONS



EMERGENCY OPERATION: FLASH ALL PHASES RED.

6 - AB EXISTING PULL BOX. CC EXISTING CONDUITS AND EXTEND TO NEW PULL BOX. INSTALL: NO. 5 PULL BOX, 4-FT. FROM EXISTING F/L.

7 - PEDESTRIAN BARRICADE, ES-6A. INSTALL: STATE-FURNISHED SIGN PANEL.

8 - MP TYPE III SERVICE EQUIPMENT CABINET, ES-2C & ES-2D. WIRING DIAGRAM ON SHEET E-1.

9 - RS EXISTING SERVICE EQUIPMENT. INSTALL: TYPE "H" SERVICE.

10 - EXISTING 480V, "UG". SP FOR ILLUM. SIGNS AND HIGHWAY LIGHTING LOCATED ON MOTEL WALL AT SE CORNER OF PROPERTY (N. OF ROUTE 8& W. OF PRESIDIO O.C. U-XFMR 490-52-SERVICE NO. AO.93).

11 - INSTALL NEW CONDUCTORS IN EXISTING 2-INCH C.

12 - TERMINATING PULL BOX. MARKING AND LABELING AS REQUIRED BY UTILITY COMPANY.

P.P.R. NO.	STATE
7	CALIF.

DIST	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	8			

DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER NO. 9261

DATE APPROVED

ROUTE 8 AT TAYLOR STREET-HOTEL CIRCLE SO. IN SAN DIEGO

SIGNAL AND LIGHTING

SIGNAL NO. PO.830

SCALE IN FEET 0 20 40

SHEET E-2

Project Engineer	Date	Design Engineer	Date	Approved Recommended By	Date

CU 11212 WO 185831

REV. 3/83

FORM WH23A PF

Bach[illegible]n Place @ Hotel Circle South

223 Pr[illegible]am

Group Assignment:
Field Master Assignment: None

N/S Street Name: Bachman Place
E/W Street Name: Hotel Circle south

Last Change:
Timing Sheet By: Dino
Approved By:

Drawing Number: 31015-D
System Rel. Number:
Timing implemented on:

Row	Column # ---->	Hotel Circle South 1	2	3	4	5	Hotel Circle South 6	7	Bachman Place 8
	Phase # ---->	1	2	3	4	5	6	7	8
0	Ped Walk		7						7
1	Ped FDW		9						10
2	Min Green	4	10				10		4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.4 ~~2.0~~	3.7				3.7		2.4 ~~2.0~~
6	Max Gap	2.4 ~~2.0~~	3.7				3.7		2.4 ~~2.0~~
7	Min Gap	2.4 ~~2.0~~	0.2				0.2		2.4 ~~2.0~~
8	Max Limit	30	60				60		40
9	Max Limit 2								
A	Bus Adv								
B	Call to Phs	6							
C	Reduce By		0.1				0.1		
D	Every		0.9				0.9		
E	Yellow	3.0	4.0				4.0		3.0
F	Red Clear	1.0	1.0				1.0		1.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E	Preempt Timing
		F + E + Row
RR-1 Delay		
RR-1 Clear		
EV-A Delay	0	
EV-A Clear	0	
EV-B Delay	0	
EV-B Clear	0	
EV-C Delay	0	
EV-C Clear	0	
EV-D Delay	0	
EV-D Clear	0	
RR-2 Delay		
RR-2 Clear		
View EV Delay	---	
View EV Clear	---	
View RR Delay	---	
View RR Clear	---	

Row	F	Phase Functions
		F + F + Row
Permit	12___6_8	
Red Lock		
Yellow Lock		
Min Recall		
Ped Recall		
Peds (View)		
Rest In Walk		
Red Rest		
Dbl Entry		
Max Recall		
Soft Recall	_2___6__	
Max 2		
Cond Serv		
Ped Lock	12345678	
Yellow Start	_2___6__	
1st Phases	_____8	

<F Page>

Max Initial	F + 0 + E
Red Revert 5.0	F + 0 + F
All Red Start 0.0	F + C + O

Start / Revert Times

Drop Number	C + 0 + 0
Zone Number	C + 0 + 1
Area Number	C + 0 + 2
Area Address	C + 0 + 3
QuicNet Channel	(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2___6_8	0

Lag Phases <C Page>

Row		9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
A	Overlap A				
B	Overlap B				
C	Overlap C				
D	Overlap D				

Overlap Timing <F Page>
F + COLOR +
<D Page>
D + 0 + OVERLAP

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Manual Plan	14	C + A + 1
Manual Offset	0	C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset 0
= Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Disable Ports	234

Disable Communications Ports
D + D + 9

Ø1 + Ø3 loops cut too close ∴ Gap timing increased 2 → 4"

Row	1 Delay	3 Carry-over	Detector Name	332 Input File	Detector Number
0				1I1	14
1		1.8		2I2U	1
2		1.8		2I2L	5
3				2I3U	21
4				2I3L	25
5				2I4	9
6				3I5	16
7				4I6U	3
8				4I6L	7
9				4I7U	23
A				4I7L	27
B				4I8	11
C				1I9U	18
D				3I9L	20
E		---	---	---	---
F	---	---	---	---	---

Row	2 Delay	4 Carry-over	Detector Name	332 Input File	Detector Number
0				5J1	13
1		1.8		6J2U	2
2		1.8		6J2L	6
3				6J3U	22
4				6J3L	26
5				6J4	10
6				7J5	15
7	12.0			8J6U	4
8				8J6L	8
9				8J7U	24
A				8J7L	28
B				8J8	12
C				5J9U	17
D				7J9L	19
E	---	---	---	---	---
F	---	---	---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	5678
E	-- -- -- -- -- -- -- --	1234
F	-- 25 26 27 28 -- -- --	2345

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	0
2	System Det. # 2	0
3	System Det. # 3	0
4	System Det. # 4	0
5	System Det. # 5	0
6	System Det. # 6	0
7	System Det. # 7	0
8	System Det. # 8	0

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number	0	F+C+1
Time Before Yellow	0.0	F+C+3

Advance Warning Beacon - Sign 1

Phase Number	0	F+D+1
Time Before Yellow	0.0	F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)
(These parameters are NOT downloaded.)

Row	Time	Function	Day of Week	Column F Phases/Bits
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	_____
7	Ped 4P	_____
8	Ped 8P	_____8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2_____
B	EV-B Phases	_____8
C	EV-C Phases	1___6__
D	EV-D Phases	__3_____
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week
1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date
8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)
(This parameter is NOT downloaded)

Program Information
C + C + 0 = program
C + C + F = version

Remote Download
C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

LOCATION: RTE 8 EB @ MISSION CENTER ROAD / CAMINO DEL RIO SOUTH

CALTRANS C8 Version 3 DATE: 1/27/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	7	1	1	1	1	7	1	1	CLK RST
1	DONT WALK	31	1	1	1	1	20	1	1	
2	MIN GREEN	18	5	1	1	5	5	16	10	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	
5	PASSAGE	2.0	2.0	0.9	0.9	3.0	2.0	2.0	2.0	
6	MAX GAP	4.0	4.0	0.9	0.9	2.0	4.0	3.0	4.0	
7	MIN GAP	1.0	1.0	0.9	0.9	2.0	1.0	1.0	1.0	
8	MAX EXT	45	30	9	9	7	30	15	35	
9	MAX 2	55	60				60			YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	DOW
D	EVERY	0.6	0.6	1.0	1.0	1.0	0.6	0.6	0.6	HR
E	YELLOW	4.1	4.1	3.0	3.0	4.1	4.1	4.1	4.1	MIN
F	RED	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	SEC
	PED XING FT	108					69			
	BIKE XING FT	170						140	70	

PRE-EMPTION E	
EV SEL	0
RR1 CLR	5
EVA DLY	0
EVA CLR	5
EVB DLY	0
EVB CLR	5
EVC DLY	0
EVC CLR	5
EVD DLY	0
EVD CLR	5
MAX EV	255
RR2 CLR	5

F FLAGS	1	2	3	4	5	6	7	8	
PERMIT	1	2			5	6	7	8	0
RED LOCK		2			5		7	8	1
YEL LOCK									2
V RECALL	1					6			3
P RECALL									4
PED PHASES	1					6			5
RT OLA									6
RT OLB									7
DBL ENTRY									8
MAX 2 PHASES	1	2				6			9
LAG PHASES	READ ONLY								A
RED REST									B
REST-IN-WALK									C
MAX 3 PHASES									D
YEL START UP		2				6			E
FIRST PHASE							7		F
	1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

NOTES:

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY ▒

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH	140	150	140	140										LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR	40	50	46	36									GAPOUT CP1	LAG FZ CP 1		2		4		6		8	1
2														GAPOUT CP2	LAG FZ CP 2		2		4		6		8	2
3	FZ3 GRN FCTR	0	0	0	0									GAPOUT CP3	LAG FZ CP 3		2		4		6		8	3
4	FZ4 GRN FCTR	0	0	0	0						PERM TIME			GAPOUT CP4	LAG FZ CP 4		2		4		6		8	4
5	FZ5 GRN FCTR	8	8	8	8						LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR	10	10	10	10						LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR	22	32	18	18						NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE	0	0	0	0									GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A	130	15	14	18						OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1	1								CP 1		2				6			CP 1								
2	CP 2	1								CP 2		2				6			CP 2								
3	CP 3	1								CP 3		2				6			CP 3								
4	CP 4	1								CP 4		2				6			CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED	1								5
6										6 PED						6			6
7										4 PED				4					7
8										8 PED								8	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT	1	2			5	6			OLB ON							7	8	B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

LOCATION: **RTE 8 EB @ MISSION CENTER ROAD / CAMINO DEL RIO SOUTH**

CALTRANS C8 Version 3 DATE: 4/30/2002 PAGE 4

7 PAGE

TIME OF DAY ACTIVITY TABLE

7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS

	HR	MIN	ACT	ON/OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	10	00	2	X	1	2	3	4	5	6	7
1	19	00	2		1	2	3	4	5	6	7
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION
2 MAX 2
3 MAX 3
4 COND SERV (1ST SELECT)
5 COND SERV (2ND SELECT)
6 ENERGIZE AUX OUTPUT-RED
7 ENERGIZE AUX OUTPUT-GREEN

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	11	00	1	A		2	3	4	5	6	
1	15	00	2	A		2	3	4	5	6	
2	19	00	E			2	3	4	5	6	
3	10	00	4	A	1						7
4	14	00	3	A	1						7
5	18	00	E		1						7
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

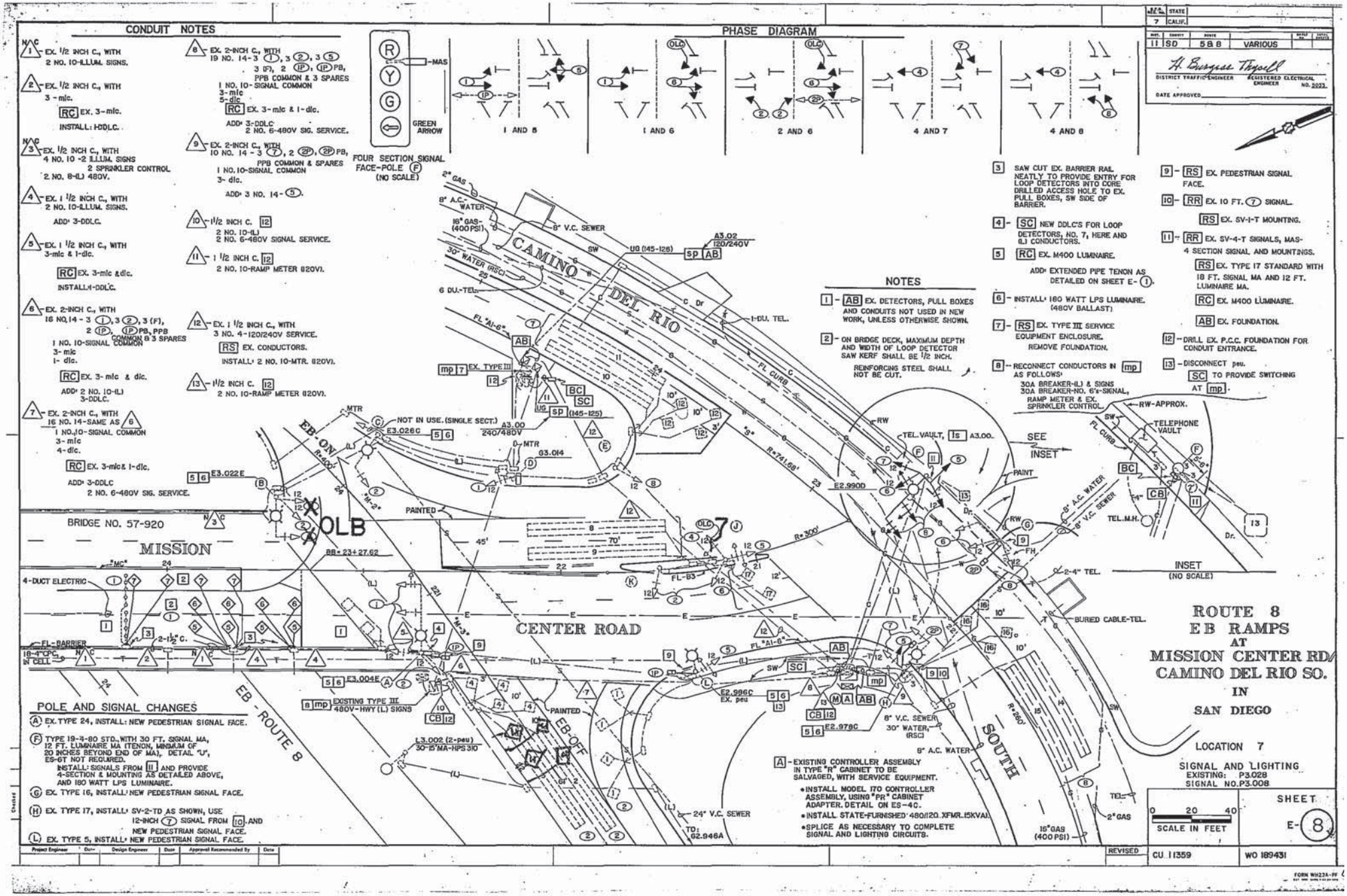
8 ENERGIZE AUX OUTPUT-YELLOW
9 TIME OF DAY MAX RECALL (1ST SELECT)
A TRAFFIC ACT. MAX 2 OPERATION
B TIME OF DAY MAX RECALL (2ND SELECT)
C YELLOW YIELD COORDINATION
D YELLOW YIELD COORDINATION
E TIME OF DAY FREE OPERATION
F FLASHING OPERATION

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											


CONDUIT NOTES
PHASE DIAGRAM
1 AND 5
1 AND 6
2 AND 6
4 AND 7
4 AND 8
FOUR SECTION SIGNAL FACE-POLE (F) (NO SCALE)
NOTES
CAMINO DEL RIO
MISSION CENTER ROAD
BRIDGE NO. 57-920
EB-ON
EB-OFF
EB - ROUTE 8
SOUTH
POLE AND SIGNAL CHANGES
INSET (NO SCALE)
ROUTE 8
EB RAMPS
AT
MISSION CENTER RD/
CAMINO DEL RIO SO.
IN
SAN DIEGO
LOCATION 7
SIGNAL AND LIGHTING
EXISTING: P3.028
SIGNAL NO.P3.008
SHEET
E-8
SCALE IN FEET
REVISED
CU 11359
WO 189431

60

LOCATION: **RTE 8 EB @ TEXAS ST**

CALTRANS C8 Version 3 DATE: 1/27/2015 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9	PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
0	WALK	1	1	1	1	1	7	1	1	CLK RST	EV SEL	0	PERMIT		2		4		6			0
1	DONT WALK	1	1	1	1	1	14	1	1		RR1 CLR	5	RED LOCK				4					1
2	MIN GREEN	1	1	1	5	1	15	1	1		EVA DLY	0	YEL LOCK									2
3	TYPE 3 DET	0	0	0	0	0	0	0	0		EVA CLR	5	V RECALL		2				6			3
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		EVB DLY	0	P RECALL									4
5	PASSAGE	0.9	0.9	0.9	2.0	0.9	2.0	0.9	0.9		EVB CLR	5	PED PHASES						6			5
6	MAX GAP	0.9	0.9	0.9	2.0	0.9	2.0	0.9	0.9		EVC DLY	0	RT OLA									6
7	MIN GAP	0.9	0.9	0.9	2.0	0.9	2.0	0.9	0.9		EVC CLR	5	RT OLB									7
8	MAX EXT	9	9	9	40	9	45	9	9		EVD DLY	0	DBL ENTRY									8
9	MAX 2									YR	EVD CLR	5	MAX 2 PHASES									9
A	MAX 3									MO	MAX EV	255	LAG PHASES	READ ONLY								A
B										DAY	RR2 CLR	5	RED REST									B
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW			REST-IN-WALK									C
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR			MAX 3 PHASES									D
E	YELLOW	3.0	3.0	3.0	4.1	3.0	4.5	3.0	3.0	MIN			YEL START UP		2				6			E
F	RED	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	SEC			FIRST PHASE				4					F
	PED XING FT						48							1	2	3	4	5	6	7	8	
	BIKE XING FT						54															

NOTES:

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY ▒

LOCATION: **RTE 8 EB @ TEXAS ST**

CALTRANS C8 DATE: 11/20/95

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAG								
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH															LAG FZ FREE		X		X		X		X	0
1	FZ1 GRN FCTR													GAPOUT CP1	0	LAG FZ CP 1									1
2														GAPOUT CP2	0	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	0	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	0	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	0	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	0	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	0	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	0	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	0	LAG FZ CP 9									9
A	OFFSET A										OFFSET					LAG C COORD									A
B	OFFSET B															LAG D COORD									B
C	OFFSET C															COORD FAZES		X				X			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRP																								F

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER :
WB @ STADIUM WAY

LOCATION	OFF	ON
1	X	
2		X
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	

COO = 2

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 8 EB @ TEXAS ST**

CALTRANS C8 DATE 11/20/95

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 8 EB @ TEXAS ST**

CALTRANS C8 DATE : 11/20/95

7 PAGE

TIME OF DAY ACTIVITY TABLE

7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS

	HR	MIN	ACT	ON/OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

D YELLOW YIELD COORDINATION

E TIME OF DAY FREE OPERATION

F FLASHING OPERATION

POLE SCHEDULE

LOC.	STANDARD TYPE	MASTARM SIG.	MASTARM LUM.	PLACEMENT DIMENSIONS A ft.	PLACEMENT DIMENSIONS B ft.	SIGNAL MOUNTING & PLACEMENT VEHICLE POLE	VEHICLE MASTARM	PEDESTRIAN SIGNAL	PEDESTRIAN P.P.B.	REMARKS
(A)	1-A (10')	–	–	PER PLAN	2-1/2	TV-1	–	SP-1-T	(6) W	
(B)	18-4-80	30' [1]	–	PER PLAN	5	SV-1-T [A]	MAS-2 [3A]	–	–	
(C)	19-4-80	30' [2]	15'	PER PLAN	2-1/2	SV-1-T	MAS-2 [3]	SP-1-T	(6) W	200 WATT HPS LUMINAIRE PEU
(D)	STATE-FURNISHED, MODEL 170 CONTROLLER ASSEMBLY. FOUNDATION DETAILS: ES-4B, TYPE 170. LOCATE PER PLAN DIMENSIONS.									

[A] 3-12" SECTIONS WITH RIGHT GREEN ARROW.

CONDUCTOR SCHEDULE

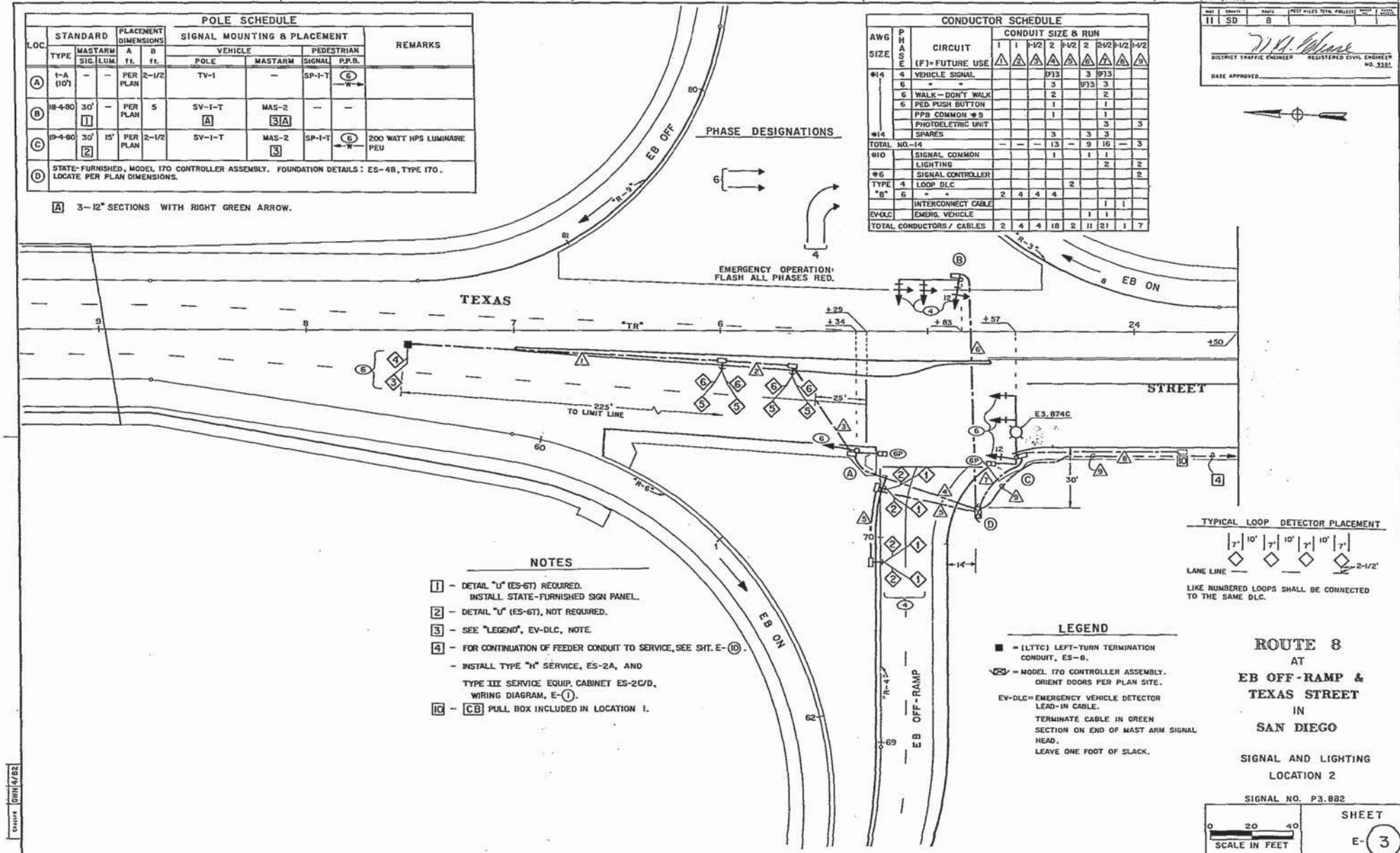
AWG SIZE	PHASE	CIRCUIT (F)=FUTURE USE	CONDUIT SIZE & RUN 1 (1)	1 (2)	1-1/2 (3)	2 (4)	1-1/2 (5)	2 (6)	2-1/2 (7)	1-1/2 (8)	1-1/2 (9)
#14	4	VEHICLE SIGNAL				(F)3		3	(F)3		
	6	" "				3		(F)3	3		
	6	WALK – DON'T WALK				2			2		
	6	PED. PUSH BUTTON				1			1		
		PPB COMMON #9				1			1		
		PHOTOELETRIC UNIT							3		3
#14		SPARES				3		3	3		
TOTAL NO.-14			–	–	–	13	–	9	16	–	3
#10		SIGNAL COMMON				1		1	1		
		LIGHTING							2		2
#6		SIGNAL CONTROLLER									2
TYPE "B"	4	LOOP DLC					2				
	6	" "	2	4	4	4					
		INTERCONNECT CABLE							1	1	
EV-DLC		EMERG. VEHICLE						1	1		
TOTAL CONDUCTORS / CABLES			2	4	4	18	2	11	21	1	7

PHASE DESIGNATIONS

6

4

EMERGENCY OPERATION: FLASH ALL PHASES RED.



NOTES

[1] – DETAIL "U" (ES-6T) REQUIRED. INSTALL STATE-FURNISHED SIGN PANEL.

[2] – DETAIL "U" (ES-6T), NOT REQUIRED.

[3] – SEE "LEGEND", EV-DLC, NOTE.

[4] – FOR CONTINUATION OF FEEDER CONDUIT TO SERVICE, SEE SHT. E-(10).

– INSTALL TYPE "H" SERVICE, ES-2A, AND TYPE III SERVICE EQUIP. CABINET ES-2C/D, WIRING DIAGRAM, E-(1).

[10] – [CB] PULL BOX INCLUDED IN LOCATION 1.

LEGEND

■ = (LTTC) LEFT-TURN TERMINATION CONDUIT, ES-8.

= MODEL 170 CONTROLLER ASSEMBLY. ORIENT DOORS PER PLAN SITE.

EV-DLC = EMERGENCY VEHICLE DETECTOR LEAD-IN CABLE. TERMINATE CABLE IN GREEN SECTION ON END OF MAST ARM SIGNAL HEAD. LEAVE ONE FOOT OF SLACK.

TYPICAL LOOP DETECTOR PLACEMENT

LIKE NUMBERED LOOPS SHALL BE CONNECTED TO THE SAME DLC.

D.P.W. REG. NO.	STATE
7	CALIF.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	8			

DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER NO. 33611

DATE APPROVED

ROUTE 8 AT EB OFF-RAMP & TEXAS STREET IN SAN DIEGO

SIGNAL AND LIGHTING LOCATION 2

SIGNAL NO. P3.882

SCALE IN FEET 0 20 40

SHEET E-3

Project Engineer	Date	Design Engineer	Date	Approval Recommended By	Date
W.J. FRENDO	3/82	M.A. CHASE	3/82	R.B. FINDLAY	3/82

CU 11203 WO 111801

REV. 4/82, 10/82

DRAWN DWH 4/82

CHECKED

61

INTERSECTION: CAMINO DEL RIO SOUTH @ TEXAS

22 ogram

Group Assignment: 4087 | N/S Street Name: TEXAS | Last Database Change: n/a
Field Master Assignment: NONE | E/W Street Name: CAMINO DEL RIO SOUTH | System Ref. Number: n/a

N

TEXAS St | CAMINO DEL RIO SOUTH | TEXAS St

Row	Column # ---> / Phase # --->	Phase 1 (1+3)	Phase 2	Phase 3	Phase 4	Phase 5 (4+5)	Phase 6	Phase 7	Phase 8
0	Ped Walk		7	7	7		7		
1	Ped FDW		15	23	20		23		
2	Min Green	4	10	4	4	4	10		
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	②5.5 ~~4.8~~	2.0	3.0 ② ~~2.0~~	2.0	3.7		
6	Max Gap	2.0	②3.5 ~~4.8~~	2.0	3.0 ② ~~2.0~~	2.0	3.7		
7	Min Gap	2.0	②0.5 ~~0.2~~	2.0	3.0 ② ~~2.0~~	2.0	0.2		
8	Max Limit	35	40	30	30	25	~~90~~ 60		
9	Max Limit 2		50		④ 40				
A	Bus Adv								
B	Call to Phs	③ 6							
C	Reduce By		0.1				0.1		
D	Every		0.6				0.9		
E	Yellow	3.4	6.0 ③ ~~5.8~~	4.2	3.9	3.4	3.9		
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0		
	Grade		-10%	0%	0%		0%		

Phase Timing - Bank 1 <F Page>
F + Phase + Row

① WH 1/5/04
③ WH 2/10/04
④ WH 1/20/04
② WH 1/29/04

Row	E	RR-1 Delay	RR-1 Clear	EV-A Delay	EV-A Clear	EV-B Delay	EV-B Clear	EV-C Delay	EV-C Clear	EV-D Delay	EV-D Clear	RR-2 Delay	RR-2 Clear	View EV Delay	View EV Clear	View RR Delay	View RR Clear
				0	0									---	---	---	---

Preempt Timing
F + E + Row

Row	F	Permit	Red Lock	Yellow Lock	Min Recall	Ped Recall	Peds (View)	Rest In Walk	Red Rest	Dbl Entry	Max Recall	Soft Recall	Max 2	Cond Serv	Ped Lock	Yellow Start	1st Phases
		123456					_234_6_					_2___6_		1	12345678	_2___6_	__3____

Phase Functions <F Page>
F + F + Row

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number		C + 0 + 0
Zone Number		C + 0 + 1
Area Number		C + 0 + 2
Area Address		C + 0 + 3
QuicNet Channel	DIGI56:	(QuicNet)

Communication Addresses

Overlap Timing

	Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A				
Overlap B	B				
Overlap C	C				
Overlap D	D				

<F Page> F + COLOR +
<D Page> D + 0 + OVERLAP

Manual Plan	14
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

C + F + O	F	Row
Free Lag	_2_4_6__	0

Lag Phases <C Page>

Downtime Flash	255	(minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Timing Sheet By: JD
Approved By:
Drawing Number: 24525-10-D
Timing Implemented On: 4/2/03

INTERSECTION: CAMINO DEL RIO SOUTH @ TEXAS

223 Program

Row	Time	Function	Day of Week	Column F: Phases/Bits
0	16 : 00	B	_23456_	_2_____
1	18 : 00	B	_23456_	
2	19:00	B	_23456_	____4____
3	21:00	B	_23456_	
4	09:00	B	1____7	___4____
5	19:00	B	1____7	
6				
7				
8				
9				
A				
B				
C				
D				
E				
F				

(4)

TOD Function

7 + ROW

<D Page>

D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Leg Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	____6__
7	Ped 4P	___4____
8	Ped 8P	__3_____
9	Yellow Flash Phases	
A	Overlap A - Phases	1_3_____
B	Overlap B - Phases	___45___
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	1_____

Configuration <E Page>

E + F + ROW

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	___3____
6	Overlap B - Green Omit	____4___
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5___
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1

E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications

(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry over
0		
1		1.8
2		1.8
3		2.0
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
BIKE LOOP	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		1.8
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 – – – –	1234____
C	13 14 15 16 17 18 19 20	12345678
D	– – – – 21 22 23 24	____5678
E	– – – – – – – –	1234____
F	– 25 26 27 28 – – –	_2345___

Active Detectors <D Page>

Row	0 Detector #
0	
1	System Det. # 1
2	System Det. # 2
3	System Det. # 3
4	System Det. # 4
5	System Det. # 5
6	System Det. # 6
7	System Det. # 7
8	System Det. # 8

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

TRAFFIC SIGNAL TIMING - PROGRAM 2005

PHASE TIMING — Camino Del Rio South / Camino Del Rio South / Mission City Pkwy

INTERVAL		1 NOT USED	2 →	3 NOT USED	4 NOT USED	5 ↑	6 ←→	7	8 NOT USED	PREEMPT	E	
WALK	0						7	7		RR1 DELAY		0
FLASH D/W	1						16	10		RR1 CLEAR		1
MIN GREEN	2		10			4	10	4		EVA DELAY	0	2
TYPE 3 DET	3									EVA CLEAR	3	3
ADD/VEH	4									EVB DELAY	0	4
VEH EXTEN *	5		3.4			2.0	3.4	2.0		EVB CLEAR	3	5
MAX GAP *	6		3.4			2.0	3.4	2.0		EVC DELAY	0	6
MIN GAP *	7		0.2			2.0	0.2	2.0		EVC CLEAR	3	7
MAX EXTEN	8		60			30	60	40		EVD DELAY		8
MAX 2	9									EVD CLEAR		9
	A									RR2 DELAY		A
CALL TO PHASE	B									RR2 CLEAR		B
REDUCE BY	C		0.1				0.1			EV CLR TMR		C
REDUCE EVERY	D		0.9				0.9			EV DLY TMR		D
YELLOW	E		4.0			~~3.4~~ 3.0	4.0	~~3.4~~ 3.0		RR CLR TMR		E
RED CLEAR	F		1.0			1.0	1.0	1.0		RR DLY TMR		F

MAX INITIAL (F-0-E) = 0 (KEYSTROKES: F + PHASE + LOCATION)

RED REVERT (F-0-F) = 5

ALL RED START (F-C-0) = 0

* MUST BE SAME FOR NON-DENSITY OPERATION

DNH 4/18/03

PHASE FUNCTION FLAGS

KEYSTROKES: F+F+FUNCTION#

FUNCTION		PHASE 1	2	3	4	5	6	7	8
PERMIT	0		X			X	X	X	
RED LOCK	1								
YELLOW LOCK	2								
VEH RECALL	3		X				X		
PED RECALL	4								
PEDS	5								
REST IN WALK	6								
RED REST	7								
DOUBLE ENTRY	8								
MAX RECALL	9								
SOFT RECALL	A								
MAX 2	B								
COND SERVE	C								
RESERVED	D								
STARTUP	E		X				X		
FIRST PHASES	F							X	

OVERLAP TIMING

KEYSTROKE: F+ COLOR CODE+OVERLAP

	9 GREEN	C YELLO	D RED
OVERLAP A			
OVERLAP B			
OVERLAP C			
OVERLAP D			

PHASE SEQUENCES (CFO)

	PHASE 1	2	3	4	5	6	7	8
LAG 0 (FREE)		X				X	X	

DWG 26357-2-D

LOC Camino Del Rio South + Mission City Parkway

DATE: 12/23/92

DETECTOR TIMES (332 CABINET)

Y \ X	1 SET DELAY	2 SET CARRY	3 OBS COUNT	4 OBS DELAY	5 OBS CARRY	6	7	8	9	A
0	111	5J1	111	5J1	111	5J1	111	5J1	111	5J1
1	212U	6J2U	212U 1.8	6J2U 1.8	212U	6J2U	212U	6J2U	212U	6J2U
2	212L	6J2L	212L	6J2L 1.8	212L	6J2L	212L	6J2L	212L	6J2L
3	213U	6J3U	213U 1.8	6J3U	213U	6J3U	213U	6J3U	213U	6J3U
4	213L	6J3L	213L	6J3L			213L	6J3L	213L	6J3L
5	214	6J4	214	6J4			214	6J4	214	6J4
6	315	7J5	315	7J5	315	7J5	315	7J5	315	7J5
7	416U	8J6U	416U	8J6U	416U	8J6U	416U	8J6U	416U	8J6U
8	416L	8J6L	416L	8J6L	416L	8J6L	416L	8J6L	416L	8J6L
9	417U	8J7U	417U	8J7U	417U	8J7U	417U	8J7U	417U	8J7U
A	417L	8J7L	417L	8J7L			417L	8J7L	417L	8J7L
B	418	8J8	418	8J8			418	8J8	418	8J8
C	119U	5J9U	119U	5J9U	119U	5J9U	119U	5J9U	119U	5J9U
D	319L	7J9L	319L	7J9L	319L	7J9L	319L	7J9L	319L	7J9L
E										
F										

KEYSTROKES: D + X + Y

TIME OF DAY FEATURES

EVENT	TIME	FUNCT	DAY OF WEEK S	M	T	W	T	F	S
0			1	2	3	4	5	6	7
1									
2									
3									
4									
5									
6									
7									
8									
9									
A									
B									
C									
D									
E									
F									

KEYSTROKES: 7+EVENT#

FUNCTION BY PHASE

EVENT	1	2	3	4	5	6	7	8
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
A								
B								
C								
D								
E								
F								

KEYSTROKES: D-F-EVENT #

TIME OF DAY LOCAL FUNCTION CODES

0 - PERMIT	7 - PED REST	E - 1 - LOCAL OVERIDE	F - TOD OUTPUTS
1 - PED LOCK	8 - DBL ENTRY	2 - PHASE BANK 2	1 - TOD OUT 1
2 - YELLOW LOCK	9 - VEH MAX RCL	3 - PHASE BANK 3	2 - TOD OUT 2
3 - VEH RECALL	A - SOFT RECALL	7 - DET COUNT	3 - TOD OUT 3
4 - PED RECALL	B - MAX II EXT	8 - SPLIT MONITOR	4 - TOD OUT 4
5 - RESERVED	C - COND SERVE		
6 - REST IN WALK	D - TOD LAG Ø		

CURRENT TIME AND DATE

8-0 HOUR, MINUTE, DAY OF WEEK

8-1 DAY OF MONTH, YEAR, MONTH

8-F SECONDS

CONFIGURATION DATA

NOTE "E" KEY ENABLED (F-9-E ≠ 0)

KEYSTROKES: E+E+INTERVAL

INTERVAL	PHASE 1	2	3	4	5	6	7	8
0 EXCLU PH								
1 RR1 GRN CL								
2 RR2 GRN CL								
3 RR2 LTD								
4								
5 OLA GOMIT						X		
6 OLB GOMIT								
7 OLC GOMIT								
8 OLD GOMIT								
9 OU FL YEL								
A EMUEH A		X		X				
B EMUEH B							X	
C EMUEH C						X		
D EMUEH D								
E EXTRA	X		X	X				
F TC SELECT		X						

EXTRA (E+E+E)
- 1-TBC TYPE 1
- 2-NEMA COOD
- 3-DAYLIGHT SAV
- 4-EV ADVANCE
- 6-SPECIAL EVENT
- 7-PRETIMED
- 8-SPLIT RING

TCSEL (E+E+F)
- 1- SIMPLEX IN
- 2-2-WAY MODEM
- 3-7 WIRE IN
- 4-FLH/FREE
- 5-SIMPLEX OUT
- 7-7 WIRE OUT

ASSIGNS (E+F+F)
- 1-RT OVERLAP
- 2-TOD OUTPUTS
- 3-STEADY EV BEAC
- 4-FLASH EV BEAC

KEYSTROKES: E+F+INTERVAL

INTERVAL	PHASE 1	2	3	4	5	6	7	8
0								
1 RR OLAP A								
2 RR OLAP B								
3 RR OLAP C								
4 RR OLAP D								
5 PED2P								
6 PED6P						X		
7 PED4P							X	
8 PED8P								
9 FLH YELO								
A OVERLAP A					X			
B OVERLAP B					X	X		
C OVERLAP C								
D OVERLAP D								
E RESTRICT								
F ASSIGNS	X							

63 64

LOCATION: RTE 15 SB @ CAMINO DEL RIO SOUTH

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F PAGE

	INTERVAL	PHASE TIMING -1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	1	1	1	1	1	CLK RST
1	DONT WALK	1	15	1	1	1	1	1	1	
2	MIN GREEN	5	20	5	5	1	11	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	1.0	2.0	2.0	1.0	0.9	2.0	0.9	0.9	
6	MAX GAP	1.0	2.0	2.0	1.0	0.9	2.0	0.9	0.9	
7	MIN GAP	1.0	2.0	2.0	1.0	0.9	2.0	0.9	0.9	
8	MAX EXT	15	40	15	20	9	40	9	9	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.2	4.5	3.5	3.6	3.0	4.5	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT		54							
	BIKE XING FT		192				64			

	PRE-EMPTION E	
EV SEL		0
RR1 CLR		5
EVA DLY		0
EVA CLR		5
EVB DLY		0
EVB CLR		5
EVC DLY		0
EVC CLR		5
EVD DLY		0
EVD CLR		5
MAX EV		255
RR2 CLR		5

	F FLAGS	1	2	3	4	5	6	7	8	
	PERMIT	1	2	3	4		6			0
	RED LOCK	1		3	4					1
	YEL LOCK									2
	V RECALL		2				6			3
	P RECALL									4
	PED PHASES		2							5
	RT OLA									6
	RT OLB									7
	DBL ENTRY									8
	MAX 2 PHASES									9
	LAG PHASES	READ ONLY								A
	RED REST									B
	REST-IN-WALK									C
	MAX 3 PHASES									D
	YEL START UP		2				6			E
	FIRST PHASE			3						F
		1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FD0 TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 15 SB @ CAMINO DEL RIO SOUTH**

CALTRANS C8 DATE: 6/13/96

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAG								
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		X		X		X		X	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		X				X			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRP																							F

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER :
SB OFF

LOCATION	OFF	ON
1		X
2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 15 SB @ CAMINO DEL RIO SOUTH**

CALTRANS C8 DATE 6/13/96

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT	X								OLA ON		X	X	X		X			A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 15 SB @ CAMINO DEL RIO SOUTH**

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7 PAGE 9 PAGE C09 = 0 or 1 9 PAGE C09 = 2

TIME OF DAY ACTIVITY TABLE

7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS

	HR	MIN	ACT	ON/OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

D YELLOW YIELD COORDINATION

E TIME OF DAY FREE OPERATION

F FLASHING OPERATION

POLE SCHEDULE

LOC.	STANDARD TYPE	MASTARM SIG.	MASTARM LUM.	PLACEMENT DIMENSIONS A ft.	PLACEMENT DIMENSIONS B ft.	SIGNAL MOUNTING & PLACEMENT VEHICLE POLE	VEHICLE MASTARM	PEDESTRIAN SIGNAL	PEDESTRIAN P.P.B.	REMARKS
(A)	19-4-80	30' [1]	12'	3½	2½	SV-1-T	MAS-(7) MAT-(5)-4			150 WATT HPS LUMINAIRE, [5]
(B)	16-2-80	15		-23	5½	SV-1-T	MAS			
(C)	1-A			CTR. IN ISLD.	CTR. IN ISLD.	TV-1 [5]				
(D)	19-4-80	25' [2]	12'	8	2½	SV-1-T	MAS MAS	SP-1-T	←W-(2P)	150 WATT HPS LUMINAIRE,
(E)	15 [3]		12'	STA.	8					150 WATT HPS LUMINAIRE,
(F)	15		12'	3	5½					150 WATT HPS LUMINAIRE,
(G)	1-A			8	2½	TV-1-T [5]		SP-1-T	(2P)-W→	
(H)	19-4-80	30' [2]	12'	DIM.	5½	SV-2-TB (1)	MAS MAS [4]	SP-1-T	(6P)-W→	150 WATT HPS LUMINAIRE, PEU.
(J)	1-A			DIM.	5½	TV-3-T [5]		SP-1-T	←W-(6P)	
(K)	15-2-80	18'		DIM.	5½	SV-1-T	MAS [4]			
(L)	STATE-FURNISHED MODEL 170 CONTROLLER ASSEMBLY. (FOUNDATION DETAILS ES-4B, ORIENT DOORS AS INDICATED).									

CONDUCTOR SCHEDULE

AWG SIZE	PHASE	CIRCUIT	CONDUIT SIZE & RUN NO. 2" (1)	2" (2)	2½" (3)	2" (4)	2" (5)	1½" (6)	2½" (7)	2½" (8)	2½" (9)	3" (10)	3" (11)	3" (12)	1½" (13)
14	1	VEHICLE SIGNAL						3	3	3	3	3	3		
	2					3	3		3	3	3	3	3		
	3		3	3	3							3	3	3	
	4												3	3	
	5				3										
	6											3	3	3	
	7				3										
	2P	PED. INTERVAL SIGNAL				2	2		2	2	2	2	2		
	4P	(F)			2							3	3	3	
	6P											2	2	2	
	2 P	PED. PUSHBUTTON				1	1		1	1	1	1	1	1	
	4 P				1										
	6 P											1	1	1	
	2/4	PPB COMMON				1	1	1		1	1	1	1	1	
	6/8											1	1	1	
		PHOTOELECTRIC UNIT										3	3	3	3
14		SPARES	3	3	3	3	3	3	3	3	3	3	3	3	3
		TOTAL NO. 14	6	6	16	10	10	6	13	13	26	29	29	3	
8		SIGNAL COMMON	1	1	1	1	1	1	1	1	1	1	1		
10		LIGHTING			2	2	2		2	2	2	2	2	4	
		SPRINKLER CONTROL					2		2	2	2	2	2	2	
2		SIGNAL CONTROLLER												2	
TYPE	1	LOOP-DLC				1	1		1	1	1	1	1		
	2										2	2	2	2	
	3											1	1	1	
8	4				1	1									
	5										1	1	1	1	
	6														
DLC	7		4	4	4										
DDLC	4	MAGNETOMETER			2										
EV-DLC		EMERG. VEH. PREEMPT.			1							1	1	2	
TOTAL CONDUCTORS/CABLES			11	12	27	14	16	7	19	22	37	40	41	11	

CONDUIT NOTES

(13) - 2"C., 4 TWISTED PAIR, (LOOP CONDUCTORS).
(14) - 1"C., 2-8DLC
(15) - 1"C., 1-8DLC
(16) - 1½"C., 1-8DLC
(17) - 1"C., 2 #10-LTG.
(18) - SERVICE CONDUIT, 2"C., 3 #4.
(19) - 2"C., 4-8DLC
(20) - 1"C., 2 #10-SC.
(21) - 3"C., 2 #2-SIGNAL. 4-DLC. 4 #10-LTG., 2 #10-S.C. 3 #14-PEU.
(22) - 1"C., 1-DDLC
(23) - 1"C., 2-DDLC
(24) - 1"C., 3-DDLC
(25) - 1"C., 4-DDLC
(26) - 2"C., 2-DDLC
(27) - 2"C., 2-DDLC 1-8DLC
(F) - FUTURE USE.

I-15 SB OFF-RAMP

PHASE DESIGNATIONS

EMERGENCY OPERATION: FLASH ALL PHASES RED.

CAMINO DEL RIO SOUTH

E6.747 E6.727 E6.721 L6.717 L6.701 S6.737

SB-15 ON RAMP

REDUCED PLAN
USE SCALE BELOW
0 1 2 3
3 INCHES ON ORIGINAL PLAN

NOTES

1 - DETAIL "U" (ES-6T) REQUIRED. INSTALL STATE-FURNISHED SIGN PANEL.
2 - DETAIL "U" (ES-6T) NOT REQUIRED.
3 - RELOCATE LIGHTING STANDARD WITH SLIP-BASE, REMOVED FROM E-(1).
4 - TERMINATE EMERGENCY VEHICLE PREEMPTOR DETECTOR LEAD-IN CABLE (EV-DLC), IN GREEN SECTION OF SIGNAL HEAD ON THE END OF THE MASTARM. (LEAVE 1 FOOT OF SLACK).
5 - LEFT-TURN SIGNAL FACE SHALL HAVE 3-12" ARROWS: RED, YELLOW & GREEN.
6 - SPECIAL DETECTOR HANDHOLE, (ES-5D).
7 - SEE BRIDGE PLAN FOR MAGNETOMETER INSTALLATION DETAILS. E-(8).
8 - TYPE III SERVICE EQUIPMENT CABINET, (ES-2 C/D). WIRING DIAGRAM, SHEET E-(4).
9 - TERMINATING PULL BOX, LABELING AND MARKING AS REQUIRED BY SERVING UTILITY.

A6.73 120/240V

CONDUIT NOTES

(28) - 2"C., 2 #2-SIGNAL. 2-DLC. 4 #10-LTG. 2 #10-SC. 3 #14-PEU.
(29) - 2"C., 2 #2-SIGNAL. 4-DLC. 4 #10-LTG. 2 #10-SC. 3 #14-PEU.

TYPICAL LOOP DETECTOR PLACEMENT

| 7' | 10' | 7' | 10' | 7' | 10' | 7' |

LANE LINE — 2½', OR CENTER.

LIKE NUMBERED LOOPS SHALL BE CONNECTED TO THE SAME DLC.

DIST.	STATE		
7	CALIF.		170

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	R5.2/R6.2	171	282

M.C. Guiness
DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER NO. 9261

DATE APPROVED August 22, 1983

ROUTE 8/15 AT CAMINO DEL RIO SO. & I-15 SB-RAMPS IN CITY OF SAN DIEGO SIGNAL AND LIGHTING

LOCATION 1

SIGNAL NO. P6.737

SCALE IN FEET 0 20 40

SHEET E-(2)

Project Engineer	Date	Design Engineer	Date	Approval Recommended By	Date
M.C. GUINESS	6/83	M.A. CHASE	6/83	J.O. GRASBERGER	6/83

REVISED 8/83

CU 11206 5

WO 169611

FORM BH 714 M

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LOCATION: RTE 15 NB @ CAMINO DEL RIO SOUTH

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F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	7	1	1	1	1	1	1	CLK RST
1	DONT WALK	1	15	1	1	1	1	1	1	
2	MIN GREEN	1	12	1	5	5	14	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	0.9	2.0	0.9	2.0	1.0	2.0	0.9	0.9	
6	MAX GAP	0.9	2.0	0.9	2.0	1.0	2.0	0.9	0.9	
7	MIN GAP	0.9	2.0	0.9	2.0	1.0	2.0	0.9	0.9	
8	MAX EXT	9	40	9	25	20	40	9	9	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	3.0	4.5	3.0	4.0	3.2	4.0	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	SEC
	PED XING FT		56							
	BIKE XING FT		70				102			

PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
EV SEL	0	PERMIT		2		4	5	6			0
RR1 CLR	5	RED LOCK				4	5				1
EVA DLY	0	YEL LOCK									2
EVA CLR	5	V RECALL		2				6			3
EVB DLY	0	P RECALL									4
EVB CLR	5	PED PHASES		2							5
EVC DLY	0	RT OLA									6
EVC CLR	5	RT OLB									7
EVD DLY	0	DBL ENTRY									8
EVD CLR	5	MAX 2 PHASES									9
MAX EV	255	LAG PHASES	READ ONLY								A
RR2 CLR	5	RED REST									B
		REST-IN-WALK									C
		MAX 3 PHASES									D
		YEL START UP		2				6			E
		FIRST PHASE				4					F
			1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FD0 TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 15 NB @ CAMINO DEL RIO SOUTH**

CALTRANS C8 Version 3 DATE: 5/2/2001

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE	FLAGS									
		1	2	3	4	5	6	7	8	9		C	D	E	F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH														LAG FZ FREE		2		4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1	LAG FZ CP 1									1
2														GAPOUT CP2	LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3	LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4	LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5	LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6	LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7	LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8	LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9	LAG FZ CP 9									9
A	OFFSET A										OFFSET				LAG C COORD									A
B	OFFSET B														LAG D COORD									B
C	OFFSET C														COORD FAZES		2				6			C
D	FZ 3 EXT																							D
E	FZ 7 EXT																							E
F	OFFSET INTRPT																							F
																1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
RTE 15 NB RAMP

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		
2		1
3		
4		
5		
6		
7		
8		

COO = 2

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

LOCATION: **RTE 15 NB @ CAMINO DEL RIO SOUTH**

CALTRANS C8 DATE 12/6/94 PAGE 3

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4					X				0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT									OLA ON									A
B	OLB NOT									OLB ON									B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E

MINUTE = D-B-E

DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)

RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F

MINUTE = D-B-F

DAY = D-C-F

D-E-E = C8 VERSION NUMBER

D-E-F = LITHIUM BATTERY CONDITION

84 = BAD

85 = GOOD

LOCATION: **RTE 15 NB @ CAMINO DEL RIO SOUTH**

CALTRANS C8 DATE : 12/6/94 PAGE 4

7 PAGE

TIME OF DAY ACTIVITY TABLE

7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS

	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0	15	00	4	X		X	X	X	X	X	
1	18	30	4			X	X	X	X	X	
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY

9+EVENT+HR+MIN+CP+OS+E+DOW

	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

D YELLOW YIELD COORDINATION

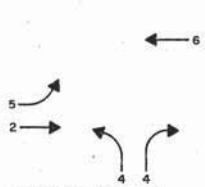
E TIME OF DAY FREE OPERATION

F FLASHING OPERATION

POLE SCHEDULE

LOC	STANDARD TYPE	MASTARM SIG.	MASTARM LUM.	PLACEMENT DIMENSIONS A ft.	PLACEMENT DIMENSIONS B ft.	SIGNAL MOUNTING & PLACEMENT VEHICLE POLE	VEHICLE MASTARM	PEDESTRIAN SIGNAL	PEDESTRIAN P.P.B.	REMARKS
(A)	17-2-80	20' [2]	12'	-5	2 1/2	SV-2-TB	MAS [4]			150 WATT HPS LUMINAIRE,
(B)	15 [3]		12'	STA.	6					150 WATT HPS LUMINAIRE,
(C)	15		12'	1	5 1/2	SV-1-T (17' MTG. HT.)				150 WATT HPS LUMINAIRE,
(D)	1-A			23	2 1/2	TV-3-T [5]				
(E)	26-4-80	40 [1]	12'	-1	2 1/2	SV-2-TB	MAT- (5) [4] MAS- (2) [5]	SP-I-T	→W-(2P)	150 WATT HPS LUMINAIRE, PEU
(F)	1-A			5	2 1/2	TV-1		SP-I-T	(2P)-W→	
○										
○										
(G)	STATE-FURNISHED MODEL 170 CONTROLLER ASSEMBLY. (FOUNDATION DETAILS ES-4B, ORIENT DOORS AS INDICATED).									

PHASE DESIGNATIONS



EMERGENCY OPERATION: FLASH ALL PHASES RED.

CONDUCTOR SCHEDULE

AWG SIZE	PHASE	CIRCUIT	CONDUIT SIZE & RUN NO. 1 1/2" (1)	2" (2)	2" (3)	2 1/2" (4)	2 1/2" (5)	3" (6)	2 1/2" (7)	1 1/2" (8)	2" (9)	2" (10)	2 1/2" (11)	3" (12)
14	2	VEHICLE SIGNAL					3	3						
	4	↓	3			3	3		3					
	5	↓				3	3							
	6	↓				3	3		3					
	2P	PED. INTER. SIGNAL					2	2						
	4P	↓ (F)				2	2	2	2					
	6P	↓ (F)				2	2		2					
	2P	PED. PUSHBUTTON					1	1						
	4P	↓					1	1		1				
	6P	↓	1				1	1		1				
	2/4	P.P.B. COMMON					1	1	1	1				
	6/8	↓	1				1	1		1				
		PHOTOELECTRIC UNIT						3			3	3	3	3
14		SPARES	3			3	3	3	3					
TOTAL NO. 14			8			20	29	12	17		3	3	3	3
8		SIGNAL COMMON	1			1	1	1	1					
10		LIGHTING	2			2	2		2		4	4	4	4
2		SIGNAL CONTROLLER									2	2	2	2
EV-DLC		EMERG. VEH. PREEMPT.					2		1					
TYPE B DLC	2	LOOP DLC										2	4	4
	4	↓					1			3				
	5	↓												1
	6	↓		4	4	4	4							
TOTAL CONDUCTORS/CABLES			11	4	4	27	39	14	21	3	9	11	13	14

CONDUIT NOTES

(13) - 2"C., 4 TWISTED PAIR, (LOOP CONDUCTORS).

(14) - 1 1/2"C., 2-BDLC

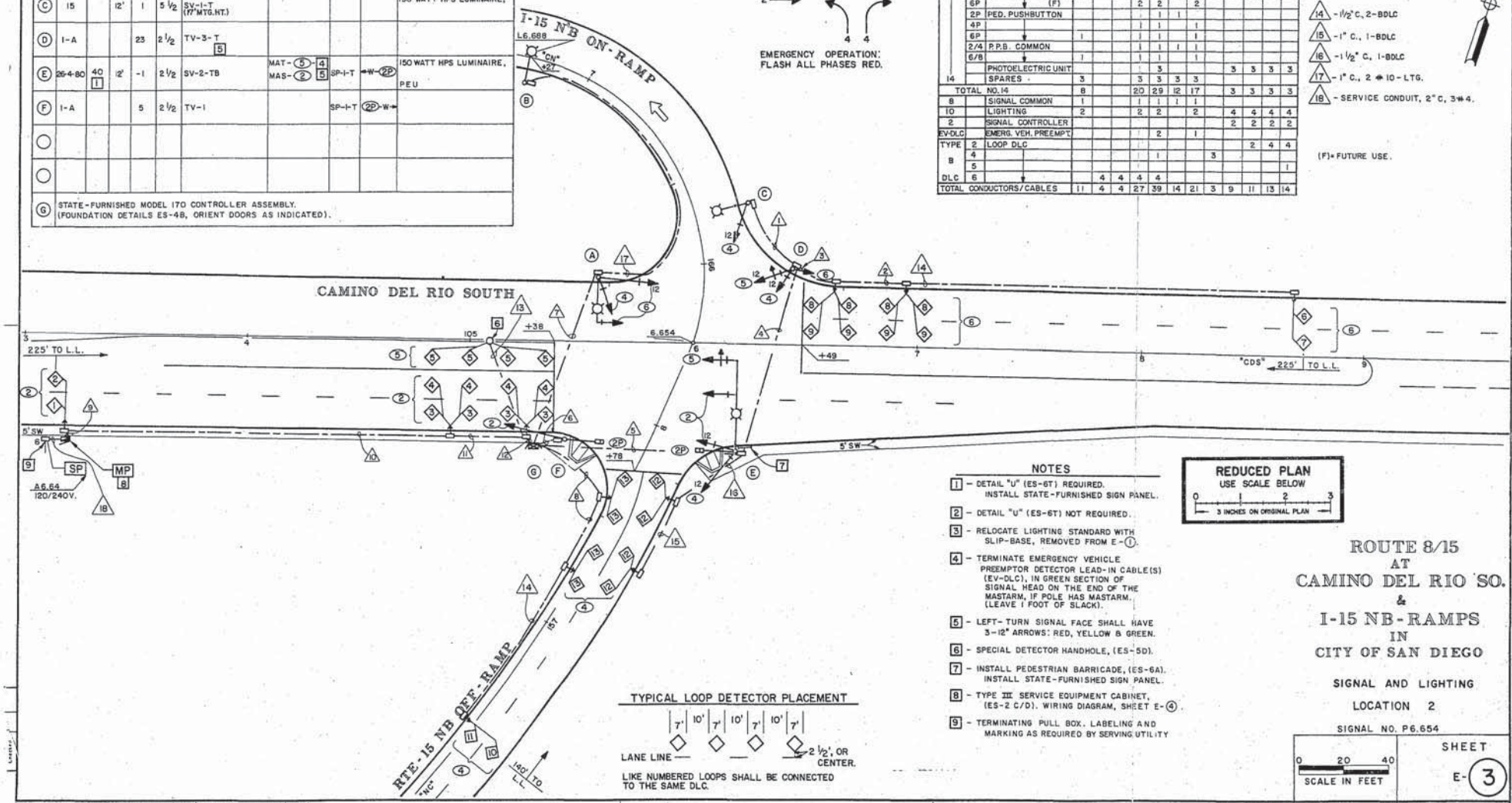
(15) - 1"C., 1-BDLC

(16) - 1 1/2"C., 1-BDLC

(17) - 1"C., 2 #10-LTG.

(18) - SERVICE CONDUIT, 2"C., 3#4.

(F)= FUTURE USE.



TYPICAL LOOP DETECTOR PLACEMENT

LIKE NUMBERED LOOPS SHALL BE CONNECTED TO THE SAME DLC.

NOTES

1 - DETAIL "U" (ES-6T) REQUIRED. INSTALL STATE-FURNISHED SIGN PANEL.

2 - DETAIL "U" (ES-6T) NOT REQUIRED.

3 - RELOCATE LIGHTING STANDARD WITH SLIP-BASE, REMOVED FROM E-(1).

4 - TERMINATE EMERGENCY VEHICLE PREEMPTOR DETECTOR LEAD-IN CABLE(S) (EV-DLC), IN GREEN SECTION OF SIGNAL HEAD ON THE END OF THE MASTARM, IF POLE HAS MASTARM. (LEAVE 1 FOOT OF SLACK).

5 - LEFT-TURN SIGNAL FACE SHALL HAVE 3-12" ARROWS: RED, YELLOW & GREEN.

6 - SPECIAL DETECTOR HANDHOLE, (ES-5D).

7 - INSTALL PEDESTRIAN BARRICADE, (ES-6A). INSTALL STATE-FURNISHED SIGN PANEL.

8 - TYPE III SERVICE EQUIPMENT CABINET, (ES-2 C/D). WIRING DIAGRAM, SHEET E-(4).

9 - TERMINATING PULL BOX. LABELING AND MARKING AS REQUIRED BY SERVING UTILITY

REDUCED PLAN
USE SCALE BELOW
0 1 2 3
3 INCHES ON ORIGINAL PLAN

ROUTE 8/15 AT CAMINO DEL RIO SO. & I-15 NB-RAMPS IN CITY OF SAN DIEGO

SIGNAL AND LIGHTING

LOCATION 2

SIGNAL NO. P6.654

0 20 40
SCALE IN FEET

SHEET E-3

REG. NO.	DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
	11	SD	15	R5.2/R6.2	172	282

DISTRICT TRAFFIC ENGINEER — REGISTERED CIVIL ENGINEER NO. 9381

DATE APPROVED August 22, 1983

Project Engineer	Date	Design Engineer	Date	Approval Recommended By	Date
M.C. GUINESS	6/83	M.A. CHASE	6/83	J.O. GRASSBERGER	6/83

REVISED 7/83

CU 11206

WO 169611

LOCATION: **RTE 8 EB @ FAIRMONT AVENUE**

CALTRANS C8 Version 3 DATE: 4/21/2011 PAGE 1

F PAGE

	INTERVAL	PHASE TIMING 1	2	3	4	5	6	7	8	9
0	WALK	1	1	1	1	1	1	1	1	CLK RST
1	DONT WALK	1	1	1	1	1	1	1	1	
2	MIN GREEN	5	1	5	12	1	5	1	1	
3	TYPE 3 DET	0	0	0	0	0	0	0	0	
4	ADD/VEH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	PASSAGE	2.0	1.0	1.0	2.0	0.9	2.0	0.9	0.9	
6	MAX GAP	2.0	1.0	1.0	2.0	0.9	2.0	0.9	0.9	
7	MIN GAP	2.0	1.0	1.0	2.0	0.9	2.0	0.9	0.9	
8	MAX EXT	40	9	15	40	9	65	9	9	
9	MAX 2									YR
A	MAX 3									MO
B										DAY
C	REDUCE BY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DOW
D	EVERY	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	HR
E	YELLOW	4.1	3.0	3.7	5.0	3.0	5.0	3.0	3.0	MIN
F	RED	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	SEC
	PED XING FT									
	BIKE XING FT				86					

	PRE-EMPTION E		F FLAGS	1	2	3	4	5	6	7	8	
	EV SEL	0	PERMIT	1	2	3	4		6			0
	RR1 CLR	5	RED LOCK			3						1
	EVA DLY	0	YEL LOCK	1			4					2
	EVA CLR	5	V RECALL		2				6			3
	EVB DLY	0	P RECALL									4
	EVB CLR	5	PED PHASES									5
	EVC DLY	0	RT OLA									6
	EVC CLR	5	RT OLB									7
	EVD DLY	0	DBL ENTRY									8
	EVD CLR	5	MAX 2 PHASES									9
	MAX EV	255	LAG PHASES	READ ONLY								A
	RR2 CLR	5	RED REST									B
			REST-IN-WALK									C
			MAX 3 PHASES									D
			YEL START UP		2				6			E
			FIRST PHASE				4					F
				1	2	3	4	5	6	7	8	

FOC LONG FAILURE	
FOD SHORT FAILURE	
FOE	0
FOF	5

FCO	3
FC1	3
FC2	10
FCA	0.0
FCB	0.0
FCC	0.0
FCD	0.0

FDO TB SELECT	1
FD3 PED SELECT	0
FD4 7 WIRE	0
FD5 PERMISSIVE	0
FD8 OS SEEKING	1

CO5 FLASH TYPE	1
CC2 DOWNLOAD	1

ENTRIES IN THESE LOCATIONS ARE NOT TO BE CHANGED

ENTRIES IN THESE LOCATIONS CAN BE CHANGED IN CC1 FLASH ONLY

LOCATION: **RTE 8 EB @ FAIRMONT AVENUE**

CALTRANS C8 Version 3 DATE: 6/2/00

C PAGE

		CONTROL PLANS									Y-COORD			LAG PHASE		FLAG									
		1	2	3	4	5	6	7	8	9		C	D	E		F	1	2	3	4	5	6	7	8	
0	CYCLE LENGTH															LAG FZ FREE	1			4		6		8	0
1	FZ1 GRN FCTR													GAPOUT CP1		LAG FZ CP 1									1
2														GAPOUT CP2		LAG FZ CP 2									2
3	FZ3 GRN FCTR													GAPOUT CP3		LAG FZ CP 3									3
4	FZ4 GRN FCTR										PERM TIME			GAPOUT CP4		LAG FZ CP 4									4
5	FZ5 GRN FCTR										LAG OFFSET			GAPOUT CP5		LAG FZ CP 5									5
6											FORCE OFF			GAPOUT CP6		LAG FZ CP 6									6
7	FZ7 GRN FCTR										LONG GRN			GAPOUT CP7		LAG FZ CP 7									7
8	FZ8 GRN FCTR										NO GREEN			GAPOUT CP8		LAG FZ CP 8									8
9	MULTI CYCLE													GAPOUT CP9		LAG FZ CP 9									9
A	OFFSET A										OFFSET					LAG C COORD									A
B	OFFSET B															LAG D COORD									B
C	OFFSET C															COORD FAZES		2				6			C
D	FZ 3 EXT																								D
E	FZ 7 EXT																								E
F	OFFSET INTRPT																								F
																	1	2	3	4	5	6	7	8	

CO1 MANUAL CP
CO2 MASTER CP
CO3 CURRENT CP
CO4 LAST CP
CO7 TRNSMT CP
COD MANUAL OFFSET
CAO LOCAL CYCLE TIMER
CBO MASTER CYCLE TIMER
CAA LOCAL OFFSET
CBA MASTER OFFSET

SYSTEM MASTER:
WB OFF CABINTE

FEATURE	OFF	ON
1		
2		
3		
4		
5		
6		
7		
8		

LOCATION	OFF	ON
1		1
2		
3		
4		
5		
6		
7		
8		

COO = 1

CCB/CDB OFFSET TIMER
CCC/CDC LAG GREEN TIMER
CCD/CDD FORCE OFF TIMER
CCE/CDE LONG GREEN TIMER
CCF/CDF NO GREEN TIMER

D PAGE

	D	FLAGS								E	FLAGS								F	FLAGS							
	MAX	1	2	3	4	5	6	7	8	MIN	1	2	3	4	5	6	7	8	PED	1	2	3	4	5	6	7	8
0	RCL									RCL									RCL								
1	CP 1									CP 1									CP 1								
2	CP 2									CP 2									CP 2								
3	CP 3									CP 3									CP 3								
4	CP 4									CP 4									CP 4								
5	CP 5									CP 5									CP 5								
6	CP 6									CP 6									CP 6								
7	CP 7									CP 7									CP 7								
8	CP 8									CP 8									CP 8								
9	CP 9									CP 9									CP 9								
A																			RCL 1								
B																			RCL 2								
C																											
D																											
E																											
F																											

E PAGE

	E	FLAGS								F	FLAGS								
	FUNCTION	1	2	3	4	5	6	7	8	FUNCTION	1	2	3	4	5	6	7	8	
0										CODE 4									0
1										CODE 5									1
2										C-RECALL									2
3										D-RECALL									3
4										EXCLUSIVE									4
5										2 PED		X							5
6										6 PED						X			6
7										4 PED				X					7
8										8 PED								X	8
9																			9
A	OLA NOT	X					X			OLA ON			X	X					A
B	OLB NOT	X					X			OLB ON			X	X					B
C	OLC NOT									OLC ON									C
D	OLD NOT									OLD ON									D
E																			E
F																			F
		1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8	

LAST POWER FAILURE REGISTER

HOUR = D-A-E
MINUTE = D-B-E
DAY = D-C-E

RCL 1 = TIME OF DAY MAX RECALL (1ST SELECT) PHASES
(CALL ACTIVE LIGHTS)
RCL 2 = TIME OF DAY MAX RECALL (2ND SELECT) PHASES
(CALL ACTIVE LIGHTS)

LAST FLASH TIME REGISTER

HOUR = D-A-F
MINUTE = D-B-F
DAY = D-C-F

D-E-E = C8 VERSION NUMBER
D-E-F = LITHIUM BATTERY CONDITION
84 = BAD
85 = GOOD

LOCATION: **RTE 8 EB @ FAIRMONT AVENUE**

CALTRANS C8 Version 3 DATE: 6/2/00

7 PAGE

TIME OF DAY ACTIVITY TABLE											
7+EVENT+HR+MIN+ACT+"E"+ON/OFF+DOW LTS											
	HR	MIN	ACT	ON/ OFF	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

ACTIVITY CODE

1 TYPE OF MAX TERMINATION

2 MAX 2

3 MAX 3

4 COND SERV (1ST SELECT)

5 COND SERV (2ND SELECT)

6 ENERGIZE AUX OUTPUT-RED

7 ENERGIZE AUX OUTPUT-GREEN

9 PAGE C09 = 0 or 1

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

8 ENERGIZE AUX OUTPUT-YELLOW

9 TIME OF DAY MAX RECALL (1ST SELECT)

A TRAFFIC ACT. MAX 2 OPERATION

B TIME OF DAY MAX RECALL (2ND SELECT)

C YELLOW YIELD COORDINATION

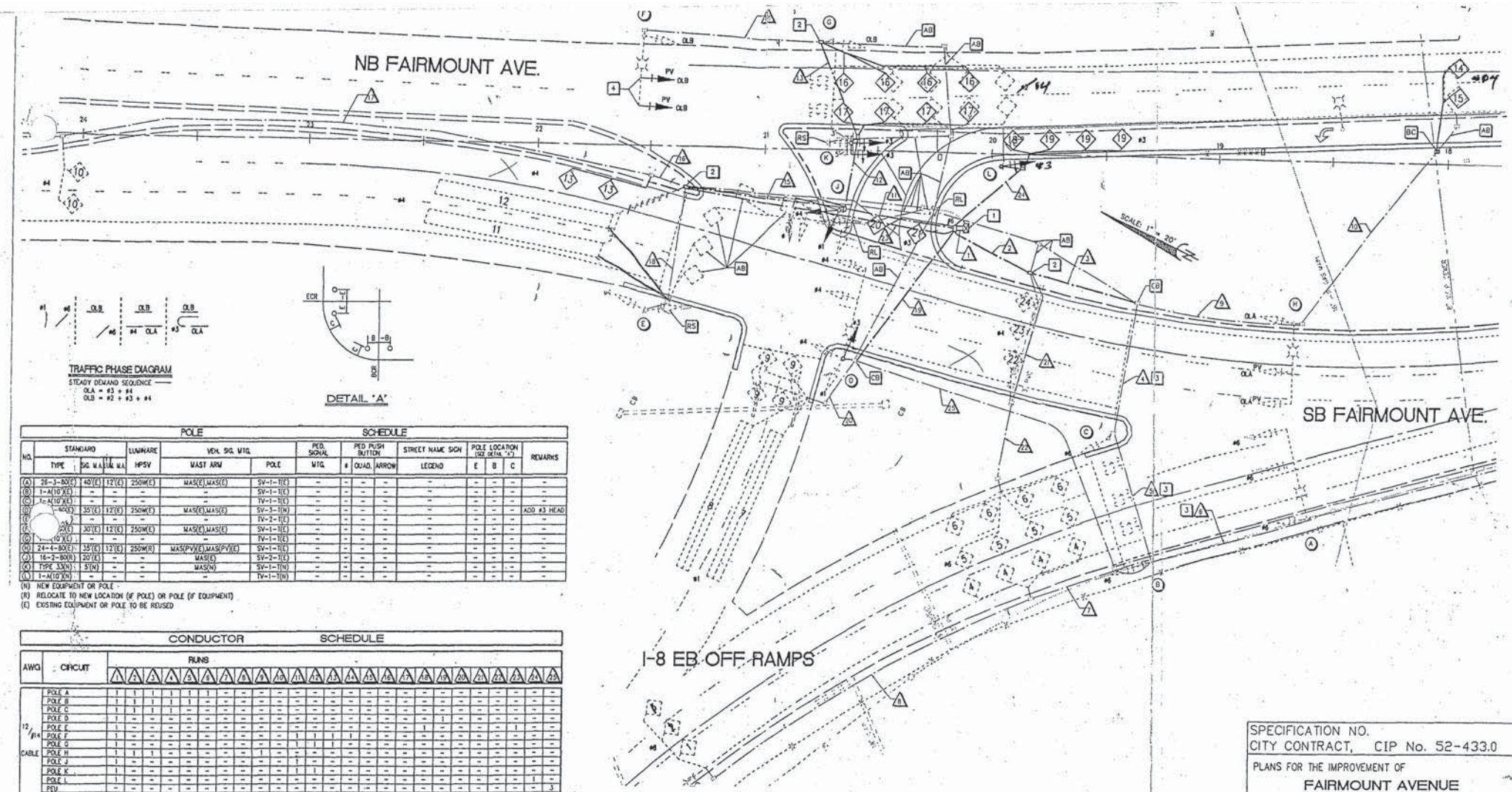
D YELLOW YIELD COORDINATION

E TIME OF DAY FREE OPERATION

F FLASHING OPERATION

9 PAGE C09 = 2

CONTROL PLAN TIME OF DAY											
9+EVENT+HR+MIN+CP+OS+E+DOW											
	HR	MIN	CP	OS	S 1	M 2	T 3	W 4	T 5	F 6	S 7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											



TRAFFIC PHASE DIAGRAM

STEADY DEMAND SEQUENCE

OLA = #3 + #4

OLB = #2 + #3 + #4

DETAIL "A"

POLE SCHEDULE

NO.	STANDARD TYPE	STD. MA.	LUM. MA.	LUMINAIRE HPSV	VEH. SIG. MTG. MAST ARM	VEH. SIG. MTG. POLE	PED. SIGNAL MTG.	PED PUSH BUTTON #	PED PUSH BUTTON QUAD.	PED PUSH BUTTON ARROW	STREET NAME SIGN LEGEND	POLE LOCATION (SEE DETAIL "A") E	B	C	REMARKS
(A)	26-3-80(E)	40'(E)	12'(E)	250W(E)	MAS(E)	MAS(E)	SV-1-T(E)	-	-	-	-	-	-	-	-
(B)	1-A(10'X)(E)	-	-	-	-	-	SV-1-T(E)	-	-	-	-	-	-	-	-
(C)	1-A(10'X)(E)	-	-	-	-	-	TV-1-T(E)	-	-	-	-	-	-	-	-
(D)	1-80(E)	35'(E)	12'(E)	250W(E)	MAS(E)	MAS(E)	SV-3-T(N)	-	-	-	-	-	-	-	ADD #3 HEAD
(E)	1-80(E)	-	-	-	-	-	FV-2-T(E)	-	-	-	-	-	-	-	-
(F)	1-80(E)	30'(E)	12'(E)	250W(E)	MAS(E)	MAS(E)	SV-1-T(E)	-	-	-	-	-	-	-	-
(G)	1-A(10'X)(E)	-	-	-	-	-	TV-1-T(E)	-	-	-	-	-	-	-	-
(H)	24-4-80(E)	35'(E)	12'(E)	250W(R)	MAS(PV)(E)	MAS(PV)(E)	SV-1-T(E)	-	-	-	-	-	-	-	-
(J)	16-2-80(R)	20'(E)	-	-	MAS(E)	-	SV-2-T(E)	-	-	-	-	-	-	-	-
(K)	TYPE 33(N)	5'(N)	-	-	MAS(N)	-	SV-1-T(N)	-	-	-	-	-	-	-	-
(L)	1-A(10'X)(N)	-	-	-	-	-	TV-1-T(N)	-	-	-	-	-	-	-	-

(N) NEW EQUIPMENT OR POLE

(R) RELOCATE TO NEW LOCATION (IF POLE) OR POLE (IF EQUIPMENT)

(E) EXISTING EQUIPMENT OR POLE TO BE REUSED

CONDUCTOR SCHEDULE

AWG.	CIRCUIT	RUNS 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
12/#14 CABLE	POLE A	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	POLE B	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	POLE C	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	POLE D	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	POLE E	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-
	POLE F	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
	POLE G	1	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	POLE H	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	POLE J	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	POLE K	1	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	POLE L	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	PEU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	TOTAL	11	4	4	3	2	1	-	-	1	-	4	3	2	1	-	-	-	1	1	-	-	-	-	1	3
#10	LUMINAIRE	-	2	2	2	2	2	-	-	2	-	2	2	2	2	-	-	-	-	2	-	-	-	-	-	-
	TOTAL	-	2	2	2	2	2	-	-	2	-	2	2	2	2	-	-	-	-	2	-	-	-	-	-	-
#2	SIGNAL SERVICE	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	2
TYPE B DLC	#1 DETECTOR	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-
	#2 DETECTOR	4	2	2	-	-	-	-	-	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-
	#3 DETECTOR	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
	#4 DETECTOR	7	3	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	1	-	4	-	-	-	-
	#6 DETECTOR	6	6	4	4	4	-	4	3	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-
	TOTAL	24	11	6	4	4	-	4	3	2	2	2	2	1	-	-	2	1	-	4	3	3	2	4	2	-
	INTERCONNECT	8	4	4	4	4	-	-	-	-	-	4	-	-	4	4	-	-	-	-	-	-	-	-	-	-
	SIZE	3-3" (N)	3" (N)	3" (N)	2" (E)	2" (E)	1 1/2" (E)	1/2" (E)	1/2" (E)	1/2" (E)	1/2" (E)	3" (N)	3" (N)	3" (N)	1" (E)	2" (N)	1 1/2" (E)	1 1/2" (E)	1/2" (E)	3" (N)	1 1/2" (E)	1/2" (E)	1/2" (E)	3" (N)	3" (N)	1/2" (E)

(N) NEW EQUIPMENT OR POLE

(E) EXISTING EQUIPMENT OR POLE TO BE REUSED

STANDARD NOTES:

- AB – ABANDON. IF APPLIED TO CONDUIT REMOVE CONDUCTORS.
- BC – INSTALL PULLBOX IN EXISTING CONDUIT RUN.
- CB – INSTALL CONDUIT INTO EXISTING PULLBOX.
- RL – RELOCATE EQUIPMENT.
- RS – REMOVE AND SALVAGE EQUIPMENT.

CONSTRUCTION NOTES (THIS SHEET):

1. INSTALL EXISTING TYPE 170 CONTROLLER AND CABINET COMPLETE ON NEW FOUNDATION.
2. INSTALL NEW PULLBOX IN SAME LOCATION AS EXISTING PULLBOX.
3. REMOVE DISCRETE #14 SIGNAL CONDUCTOR. ADD 12/14 CABLE AS SHOWN.
4. RS EXISTING SIGNAL HEADS. FURNISH AND INSTALL PROGRAMMED VISIBILITY TYPE.

REGISTERED PROFESSIONAL ENGINEER — JAMES L. CHURCH — No. 04318 — Exp. 3-31-96 — STATE OF CALIFORNIA — CIVIL

Prepared in the office of
Church Engineering, Inc.
Consulting Engineers
Planners
Surveyors
2501 Alton Ave.
Irvine
CA 92714
(714)660-8800

SPECIFICATION NO.
CITY CONTRACT, CIP No. 52-433.0

PLANS FOR THE IMPROVEMENT OF
FAIRMOUNT AVENUE
MONTEZUMA ROAD TO INTERSTATE 8

SIGNAL MODIFICATION PLAN

CITY OF SAN DIEGO, CALIFORNIA
ENGINEERING AND DEVELOPMENT DEPARTMENT
SHEET 28 OF 72 SHEETS

W.O. NO. 119446

FOR CITY ENGINEER — DATE: APR. 28, 1995 — SECTION HEAD

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL				

PROJECT MANAGER

CONTROL CERTIFICATION
220-1739
LAMBERT COORDINATES
27276-28-D

CONTRACTOR — DATE STARTED
INSPECTOR — DATE COMPLETED

4-5-95

N:\T\35111367\1367-T28.DWG DATE: FEB 06, 1995 TIME: 1:43 PM

67

INTERSECTION: MADISON @ TEXAS

223 P[illegible]am

Group Assignment: 4027
Field Master Assignment: NONE

N/S Street Name: TEXAS
E/W Street Name: MADISON

Timing Sheet By:
Approved By:

Last Database Change: 5/10/01 11:[illegible]
System Ref. Number: 281
Drawing Number:
Timing Implemented On:

N

Row	Phase # →	1	2	3	4	5	6	7	8
	Column # →								
0	Ped Walk		7				7	7	7
1	Ped FDW		13				12	13	12
2	Min Green	4	10			4	10	4	4
3	Type 3 Limit								
4	Add/Veh								
5	Veh Extn	2.0	3.9			2.0	3.9	2.0	2.0
6	Max Gap	2.0	3.9			2.0	3.9	2.0	2.0
7	Min Gap	2.0	0.5			2.0	0.2	2.0	2.0
8	Max Limit	20	70 ~~60~~			20	70 ~~50~~	25	25
9	Max Limit 2	20	50			20	50	25	25
A	Bus Adv								
B	Call to Phs								
C	Reduce By		0.1				0.1		
D	Every		0.8				0.8		
E	Yellow	3.4 ~~3.0~~	3.9 ~~3.3~~			3.4 ~~3.0~~	3.9 ~~3.5~~	3.9 ~~3.0~~	3.9 ~~4.2~~
F	Red Clear	1.0	1.0			1.0	1.0	1.0	1.0

Phase Timing - Bank 1
F + Phase + Row
<F Page>

Row	E	Preempt Timing
		F + E + Row
RR-1 Delay		
RR-1 Clear		
EV-A Delay	0	
EV-A Clear	3	
EV-B Delay		
EV-B Clear		
EV-C Delay	0	
EV-C Clear	3	
EV-D Delay		
EV-D Clear		
RR-2 Delay		
RR-2 Clear		
View EV Delay	---	
View EV Clear	---	
View RR Delay	---	
View RR Clear	---	

Row	F	Phase Functions
		F + F + Row <F Page>
Permit	12__5678	
Red Lock		
Yellow Lock		
Min Recall	_2___6__	
Ped Recall		
Peds (View)	_2___678	
Rest In Walk		
Red Rest		
Dbl Entry		
Max Recall		
Soft Recall		
Max 2		
Cond Serv		
Ped Lock	12345678	
Yellow Start	_2___6__	
1st Phases	_____7_	

Max Initial	0
Red Revert	5.0
All Red Start	0.0

F + 0 + E
F + 0 + F
F + C + O

Start / Revert Times

Drop Number	9
Zone Number	9
Area Number	2
Area Address	13
QuicNet Channel	DIGI66:

C + 0 + 0
C + 0 + 1
C + 0 + 2
C + 0 + 3
(QuicNet)

Communication Addresses

C + F + O	F	Row
Free Lag	_2___67_	0

Lag Phases <C Page>

Overlap Timing

Row	9 Green Clear	C Yellow Change	D Red Clear	0 Load-Switch #
Overlap A	A			
Overlap B	B			
Overlap C	C			
Overlap D	D			

<F Page> F + COLOR +
<D Page> D + 0 + OVERLAP

Manual Plan	14 ~~0~~
Manual Offset	0

C + A + 1
C + B + 1

Manual Selection

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Downtime Flash	255 (minutes)

Downtime Before Auto Manual Flash
F + 0 + 8

Disable Ports	_234____

Disable Communication Ports
D + D + 9

Row	Time	Functio	Day of Week	Column F Phases/Bits
0	:			
1	:			
2	:			
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Function <D Page>

7 + ROW D + F + ROW

T.O.D. Functions
0 = Permitted Phases
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 2 - Phase Bank 2
Bit 3 - Phase Bank 3
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 4

Row		F
0		
1	RR Overlap A - Phases	
2	RR Overlap B - Phases	
3	RR Overlap C - Phases	
4	RR Overlap D - Phases	
5	Ped 2P	_2_____
6	Ped 6P	_____6__
7	Ped 4P	_____7_
8	Ped 8P	_____8
9	Yellow Flash Phases	
A	Overlap A - Phases	
B	Overlap B - Phases	
C	Overlap C - Phases	
D	Overlap D - Phases	
E	Restricted Phases	
F	Assign 5 Outputs	

Configuration <E Page>

E + F + ROW

Row		E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Overlap A - Green Omit	
6	Overlap B - Green Omit	
7	Overlap C - Green Omit	
8	Overlap D - Green Omit	
9	Overlap Yellow Flash	
A	EV-A Phases	_2__5___
B	EV-B Phases	
C	EV-C Phases	1____6__
D	EV-D Phases	
E	Extra 1 Config. Bits	1_345___
F	IC Select (Interconnect)	_2_____

Configuration

For access, set F + 9 + E = 1 E + E + ROW

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Remote Download
6 = Special Event
7 = Pretimed Operation
8 = Split Ring Operation

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Day of Week

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

Assign 5 Outputs
1 = Right Turn Overlap
2 = TOD Outputs
3 = EV Beacon - Steady
4 = EV Beacon - Flashing
5 = Special Event Outputs
6 = Phase 3 & 7 Ped
7 = Advanced Warning Sign
8 =

Time and Date

8-0 Hour, Minute, Day-of-Week
8-1 Day-of-Month, Year, Month
8-F Seconds

Disable Parity	0	D+B+0

Dial-Up Telephone Communications
(If set to a non-zero value, parity will be disabled)

Program Information

C + C + 0 = program
C + C + F = version

Remote Download

C + 0 + 4 = 1 -255
w/ E + E + E bit 5 on

Row	1 Delay	3 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	1I1	14
	2I2U	1
	2I2L	5
	2I3U	21
	2I3L	25
	2I4	9
	3I5	16
	4I6U	3
	4I6L	7
	4I7U	23
	4I7L	27
	4I8	11
	1I9U	18
	3I9L	20
---	---	---
---	---	---

Row	2 Delay	4 Carry-over
0		
1		1.8
2		
3		
4		
5		
6		
7		
8		
9		
A		
B		
C		
D		
E	---	---
F	---	---

Detector Name	332 Input File	Detector Number
	5J1	13
	6J2U	2
	6J2L	6
	6J3U	22
	6J3L	26
	6J4	10
	7J5	15
	8J6U	4
	8J6L	8
	8J7U	24
	8J7L	28
	8J8	12
	5J9U	17
	7J9L	19
---	---	---
---	---	---

Detector Delay & Carryover <D Page>

D + X (across) + ROW

Row	Detector Numbers	E
A	1 2 3 4 5 6 7 8	12345678
B	9 10 11 12 -- -- -- --	1234____
C	13 14 15 16 17 18 19 20	12345678
D	-- -- -- -- 21 22 23 24	____5678
E	-- -- -- -- -- -- -- --	1234____
F	-- 25 26 27 28 -- -- --	_2345___

Active Detectors <D Page>

Row		0 Detector #
0		
1	System Det. # 1	
2	System Det. # 2	
3	System Det. # 3	
4	System Det. # 4	
5	System Det. # 5	
6	System Det. # 6	
7	System Det. # 7	
8	System Det. # 8	

System Detectors <D Page>

Max ON (min)	5	D+A+E
Max OFF (min)	60	D+A+F

Detector Failure Monitor

Phase Number		F+C+1
Time Before Yellow		F+C+3

Advance Warning Beacon - Sign 1

Phase Number		F+D+1
Time Before Yellow		F+D+3

Advance Warning Beacon - Sign 2

Long Failure	0.5	F+0+6
Short Failure	0.5	F+0+7

Power Cycle Correction (Default = 0.5)

INTERSECTION: MADISON @ TEXAS

223 Program

Row	Column # → / Plan Name →	Plan 1	Plan 2	Plan 3	Plan 4	Plan 5	Plan 6	Plan 7	Plan 8	Plan 9
0	Cycle Length	110	122							
1	Phase 1 - ForceOff	61	67							
2	Phase 2 - ForceOff	0	0	0	0	0	0	0	0	0
3	Phase 3 - ForceOff	255	255							
4	Phase 4 - ForceOff	255	255							
5	Phase 5 - ForceOff	61	67							
6	Phase 6 - ForceOff	0	0	0	0	0	0	0	0	0
7	Phase 7 - ForceOff	47	51							
8	Phase 8 - ForceOff	24	26							
9	Ring Offset									
A	Offset A	108	67		75					
B	Offset B									
C	Offset C									
D	Permissive	11	12							
E	Hold Release	255	255							
F	Ped Shift	0	0							

Coordination <C Page>

C + Plan + ROW

Coordination Timing By:
Implemented On:

FOR OBSERVATION ONLY

Master Plan	C + A + 2
Current Plan	C + A + 3
Next Plan	C + A + 4
T.O.D. Plan	C + A + 5
Master Cycle	C + A + 0
Ring A Cycle	C + B + 0
Ring B Cycle	C + D + 0
Min Cycle	C + A + E
Max Cycle	C + B + E

Row	Time	Plan	Offset	Day of Week
0	07 : 00	1	A	_23456_
1	10 : 00	2	A	_23456_
2	15 : 00	E	A	1234567
3	:			
4	:			
5	:			
6	:			
7	:			
8	:			
9	:			
A	:			
B	:			
C	:			
D	:			
E	:			
F	:			

TOD Coordination

<9 Key with C+0+9=1>

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

	E	Row		F
		0	Free Lag	_2___67_
Plan 1	_2___6__	1	Plan 1 - Lag	_2_4_67_
Plan 2	_2___6__	2	Plan 2 - Lag	_2_4_67_
Plan 3	_2___6__	3	Plan 3 - Lag	_2_4_6_8
Plan 4	_2___6__	4	Plan 4 - Lag	_2_4_6_8
Plan 5	_2___6__	5	Plan 5 - Lag	_2_4_6_8
Plan 6	_2___6__	6	Plan 6 - Lag	_2_4_6_8
Plan 7	_2___6__	7	Plan 7 - Lag	_2_4_6_8
Plan 8	_2___6__	8	Plan 8 - Lag	_2_4_6_8
Plan 9	_2___6__	9	Plan 9 - Lag	_2_4_6_8
Coord Ped*		A	Coord Max *	
NEMA Hold		B	Coord Lag *	
		C		
		D		
		E		
		F		

Sync Phases
C + E + FUNCTION #

Lag Phases <C Page>
C + F + FUNCTION #

Transition Type	0

TBC Transition
C + D + D

Transition Type
0 = Shortway
Non-zero = Lengthen

Ramp Metering Rates

Location (I.D.)	Route	Dir	Period	Cars per green	Sec./ Cycle	(per lane) Veh./hr	Total # lanes	HOV
Sea World Dr (16210)	5	NB	0530 - 0630	2	7.2 - 10.5	996 - 684	2	No
			0630 - 0930		7.5	965		
			1500 - 1830		7.4	972		
			1830 - 1900		7.2 - 10.9	996 - 660		
Sea World Dr (16201)	5	SB	0530 - 0930	1	6.3 - 11.3	570 - 318	2	Lt
(not communicating since 12/2/14			1500 - 1900		6.3 - 11.3	570 - 318		
due to construction)								
Fairmount Ave NB/SB (11308)	8	EB	1500 - 1900	2	7.2 - 13.3	996 - 493	2	No
SB Texas St (11105)	8	EB	1500 - 1900	1	6.3 - 11.3	570 - 318	2	Lt
NB Texas St (11107)	8	EB	1500 - 1900	2	7.2 - 11.5	996 - 624	1	No
Friars Rd (11405)	15	NB	0530 - 0930	2	12.0 - 14.0	600 - 516	3	Lt
			1500 - 1900		10.7 - 18.6	672 - 386		
Friars Rd (11404)	15/8	SB	1500 - 1800	2	7.2 - 10.9	996 - 660	1	No
Friars Rd (11401)	15	SB	1500 - 1900	2	7.2	996	1	No
Murray Ridge Rd (11205)	805	NB	0530 - 0930	1	7.5 - 9.7	960 - 742	1	No
Phyllis Place (11203)	805	SB	1500 - 1900	2	7.5 - 17.0	960 - 422	2	Lt

The meters normally operate in a traffic responsive mode.
There are 15 separate rates or steps between the slowest and the fastest discharge rate that depend on mainlane volumes.

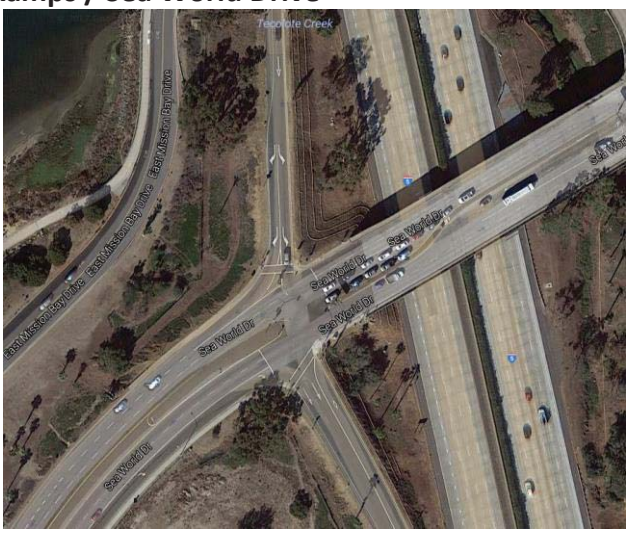
Appendix C
Synchro HCM 2010
Adjustment Documentation

Project: Mission Valley Community Plan Update

Analyst: Phuong Nguyen, PE

Existing Geometrics:

Intersection 1: I-5 SB Ramps / Sea World Drive



Description of issue:

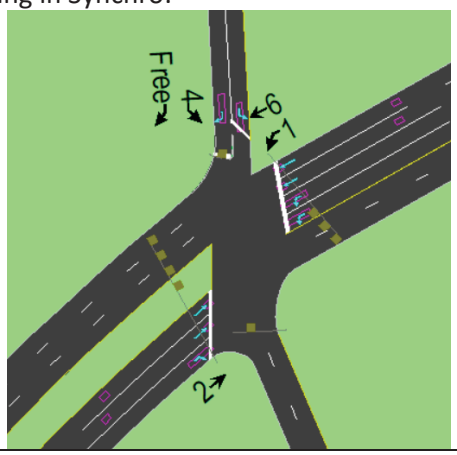
The southbound right-turn movement (SBR) for this intersection have a signal head that turn red whenever the eastbound pedestrian phase is activate. However due to the lack of pedestrians along this area, the pedestrian phase rarely activates. This results in the SBR acting similar to a free movement. Setting the intersection as "yield" or "permissive" results in failing LOS F during the PM peak hour, which does not reflect field conditions.

Solution:

- Set SBR to "free" to reflect field conditions

Date of confirmation from Trafficware: 5/2016

Intersection Geometrics & Phasing in Synchro:



Project: Mission Valley Community Plan Update

Analyst: Phuong Nguyen, PE

Existing Geometrics:

Intersection 8: Napa Street / Friars Road



Description of issue:

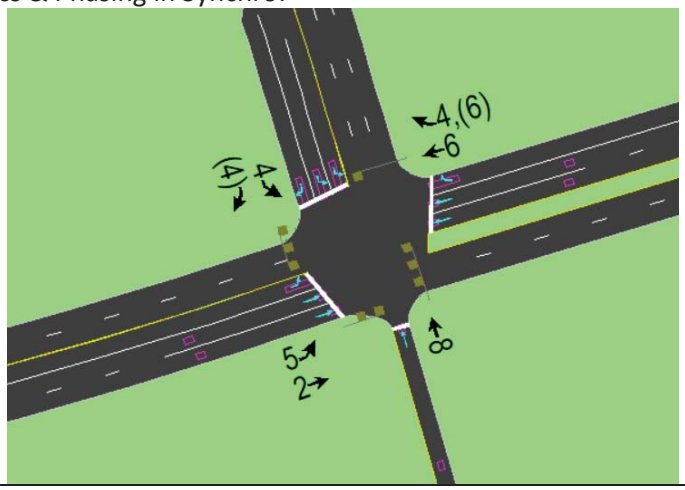
The signal timing for this intersection indicates that there is an exclusive pedestrian only phase. HCM 2010 / NEMA does not support pedestrian only phase or hold phase.

Solution:

- A dummy northbound connection was created and assign phase 8 (split phasing) to mimic the pedestrian only phase.

Date of confirmation from Trafficware: 5/2016

Intersection Geometrics & Phasing in Synchro:



Project: Mission Valley Community Plan Update

Analyst: Phuong Nguyen, PE

Existing Geometrics:

Intersection 25: Friars Road EB / Mission Village Drive



Description of issue:

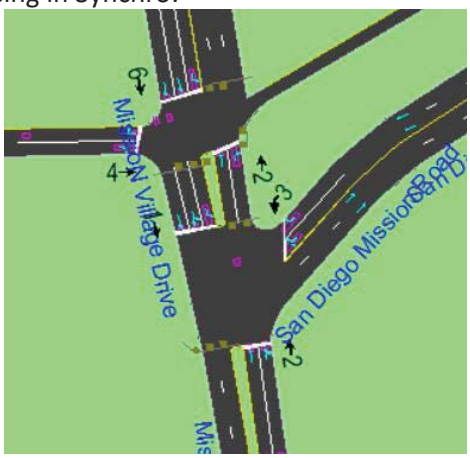
This actuated-uncoordinated intersection is clustered with the intersection of Mission Village Drive / San Diego Mission Road. HCM 2010 / NEMA does not allow clustered intersections.

Solution:

- The two intersections were "unclustered" and optimized together so that they have the same cycle length and their off-set mimics the clustered effect.

Date of confirmation from Trafficware: 5/2016

Intersection Geometrics & Phasing in Synchro:



Project: Mission Valley Community Plan Update

Analyst: Phuong Nguyen, PE

Existing Geometrics:

Intersection 42: Qualcomm Way & Camino De La Reina and Intersection 52: Qualcomm Way & I-8 WB Off-Ramp



Description of issue:

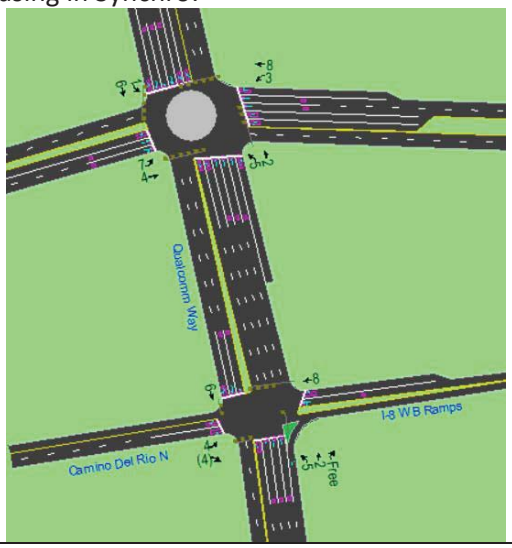
The intersection of Qualcomm Way & Camino De La Reina is clustered with the intersection of Qualcomm Way & I-8 WB Off-Ramp. Both intersections are under the jurisdiction of the City of San Diego.

Solution:

- The two intersections were "unclustered" and optimized together so that they have the same cycle length and their off-set mimics the clustered effect.

Date of confirmation from Trafficware: 5/2016

Intersection Geometrics & Phasing in Synchro:

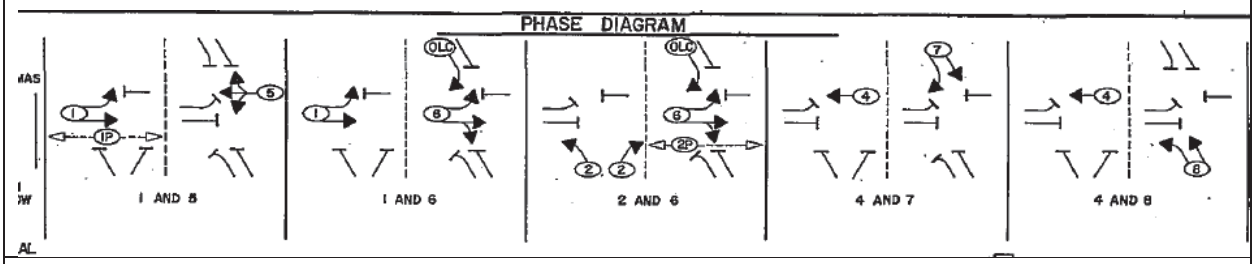


Project: Mission Valley Community Plan Update

Analyst: Phuong Nguyen, PE

Signal timing phasing (see below for geometrics):

Intersection 58: Mission Center Road & I-8 EB Ramps and Mission Center Road & Camino Del Rio South



Description of issue:

The intersection of Mission Center Road & I-8 EB Ramps is clustered with the intersection of Mission Center Road & Camino Del Rio South. Both intersections are under the jurisdiction of Caltrans.

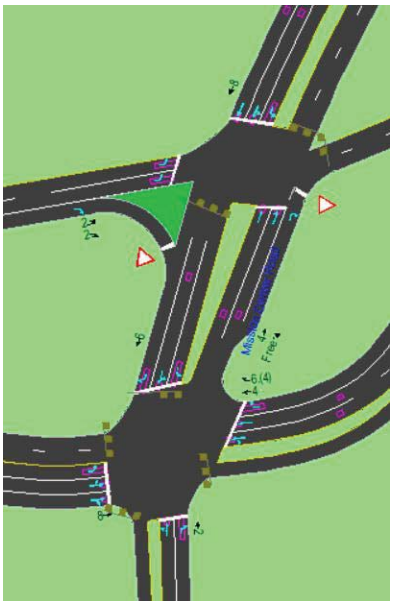
Solution:

- The two intersections were "unclustered" and optimized together so that they have the same cycle length and their off-set mimic the clustered effect.
- Intersection phasing at each intersection were set so that they act in conjunction with each other, mimicking the phasing diagram provides above.

Date of confirmation from Trafficware: 5/2016

Intersection Geometrics & Phasing:





Project: Mission Valley Community Plan Update

Analyst: Phuong Nguyen, PE

Existing Geometrics:

Intersection 63: I-15 SB Off-Ramp & Camino Del Rio South and I-15 SB On-Ramp & Camino Del Rio South



Description of issue:

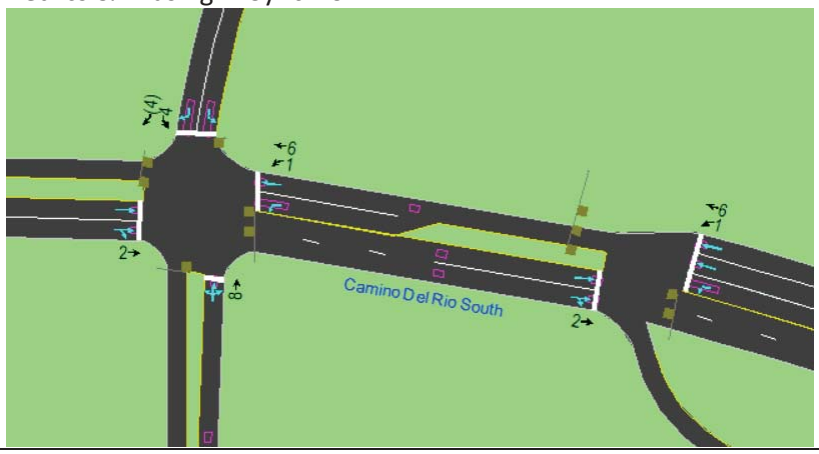
The intersection of I-15 SB Off-Ramp & Camino Del Rio South is clustered with the intersection of I-15 SB On-Ramp & Camino Del Rio South. Both intersections are under the jurisdiction of Caltrans.

Solution:

- The two intersections were "unclustered" and optimized together so that they have the same cycle length and their off-set mimic the clustered effect.

Date of confirmation from Trafficware: 5/2016

Intersection Geometrics & Phasing in Synchro:



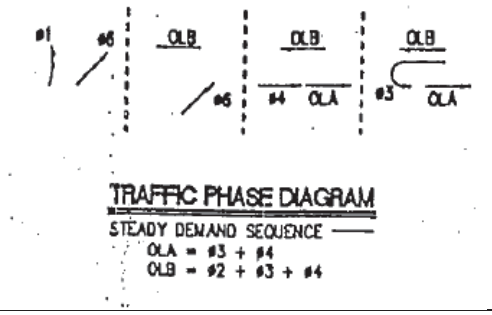
Project: Mission Valley Community Plan Update

Analyst: Phuong Nguyen, PE

Existing Geometrics:

Intersection 63: Fairmount Avenue & I-8 EB Off-Ramp





Description of issue:

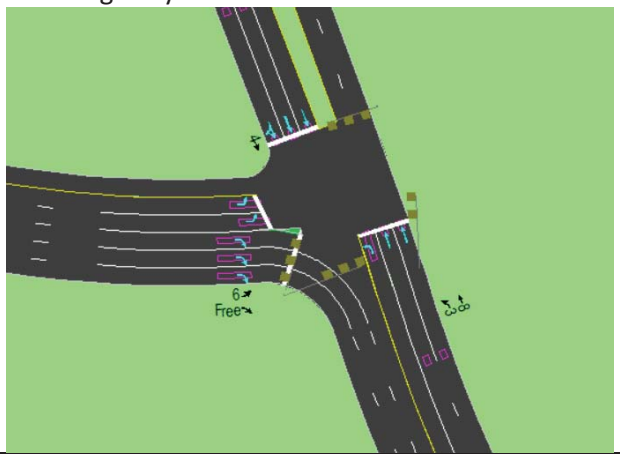
The EBR movement at this intersection overlap with the NBT movement, the NB U-turn movement is protective and operate concurrently with the NBT movement. The NBT and SBT movement operate concurrently, except for when the EBR movement is overlapping with the NBT movement (the SBT movement stop at this point). The EBL movement is protective and operate independently of the other phases.

Solution:

- The NB U-turn movement was converted and assumed to be operating as a protective left turn movement.
- The EBR movement is converted to a free phase, as field observation show that this phase were allocated the majority of the time and operate similar to a "free" phase.
- Final intersection delay were compared to field observation to make sure that the result mimic field condition.

Date of confirmation from Trafficware: 5/2016

Intersection Geometrics & Phasing in Synchro:



Appendix D
Peak Hour Intersection Worksheets
Existing Conditions

AM Peak Hour



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		400	120		0	0		0	0		180
Storage Lanes	0		1	2		0	0		0	1		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	0.95	1.00	0.97	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor				1.00								
Frt												0.850
Flt Protected				0.950						0.950		
Satd. Flow (prot)	0	3539	1863	3433	3539	0	0	0	0	1770	0	1583
Flt Permitted				0.950						0.950		
Satd. Flow (perm)	0	3539	1863	3431	3539	0	0	0	0	1770	0	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)												745
Link Speed (mph)		45			45			45			45	
Link Distance (ft)		1242			540			840			941	
Travel Time (s)		18.8			8.2			12.7			14.3	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	1373	0	317	238	0	0	0	0	262	0	685
Confl. Peds. (#/hr)			2	2								
Confl. Bikes (#/hr)												
Peak Hour Factor	0.88	0.88	0.88	0.79	0.79	0.79	0.25	0.25	0.25	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	1560	0	401	301	0	0	0	0	285	0	745
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	1560	0	401	301	0	0	0	0	285	0	745

Intersection Summary

Lane Group	EBT	WBL	WBT	SBL	SBR
Lane Configurations					
Volume (vph)	1373	317	238	262	685
Turn Type	NA	Prot	NA	Prot	Free
Protected Phases	2	1	6	4	
Permitted Phases					Free
Detector Phase	2	1	6	4	
Switch Phase					
Minimum Initial (s)	14.0	5.0	13.0	5.0	
Minimum Split (s)	26.5	9.7	18.5	10.1	
Total Split (s)	55.0	15.0	70.0	30.0	
Total Split (%)	55.0%	15.0%	70.0%	30.0%	
Yellow Time (s)	4.5	3.7	4.5	4.1	
All-Red Time (s)	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	
Total Lost Time (s)	5.5	4.7	5.5	5.1	
Lead/Lag	Lead	Lag			
Lead-Lag Optimize?	Yes	Yes			
Recall Mode	C-Min	None	C-Min	None	
Act Effct Green (s)	50.8	14.7	70.2	19.2	100.0
Actuated g/C Ratio	0.51	0.15	0.70	0.19	1.00
v/c Ratio	0.87	0.79	0.12	0.84	0.47
Control Delay	28.3	64.7	6.4	60.1	1.0
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	28.3	64.7	6.4	60.1	1.0
LOS	C	E	A	E	A
Approach Delay	28.3		39.7		
Approach LOS	C		D		

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 100	
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Green, Master Intersection	
Natural Cycle: 80	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.87	
Intersection Signal Delay: 27.3	Intersection LOS: C
Intersection Capacity Utilization 77.3%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 1: I-5 SB Ramps & Seaworld Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	1373	0	317	238	0	0	0	0	262	0	685
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	0	1863
Adj Flow Rate, veh/h	0	1560	0	401	301	0				285	0	0
Adj No. of Lanes	0	2	1	2	2	0				1	0	1
Peak Hour Factor	0.88	0.88	0.88	0.79	0.79	0.79				0.92	0.92	0.92
Percent Heavy Veh, %	0	2	2	2	2	0				2	0	2
Cap, veh/h	0	1671	747	650	2534	0				316	0	282
Arrive On Green	0.00	0.47	0.00	0.32	1.00	0.00				0.18	0.00	0.00
Sat Flow, veh/h	0	3632	1583	3442	3632	0				1774	0	1583
Grp Volume(v), veh/h	0	1560	0	401	301	0				285	0	0
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1721	1770	0				1774	0	1583
Q Serve(g_s), s	0.0	41.6	0.0	9.9	0.0	0.0				15.7	0.0	0.0
Cycle Q Clear(g_c), s	0.0	41.6	0.0	9.9	0.0	0.0				15.7	0.0	0.0
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1671	747	650	2534	0				316	0	282
V/C Ratio(X)	0.00	0.93	0.00	0.62	0.12	0.00				0.90	0.00	0.00
Avail Cap(c_a), veh/h	0	1752	784	650	2534	0				442	0	394
HCM Platoon Ratio	1.00	1.00	1.00	1.67	1.67	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	0.45	0.45	0.00				1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	24.9	0.0	31.1	0.0	0.0				40.3	0.0	0.0
Incr Delay (d2), s/veh	0.0	11.1	0.0	0.6	0.0	0.0				13.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	22.7	0.0	4.7	0.0	0.0				8.9	0.0	0.0
LnGrp Delay(d),s/veh	0.0	36.0	0.0	31.7	0.0	0.0				54.2	0.0	0.0
LnGrp LOS		D		C	A					D		
Approach Vol, veh/h		1560			702						285	
Approach Delay, s/veh		36.0			18.1						54.2	
Approach LOS		D			B						D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	24.4	52.7		22.9		77.1		
Change Period (Y+Rc), s	5.5	* 5.5		5.1		5.5		
Max Green Setting (Gmax), s	10.3	* 50		24.9		64.5		
Max Q Clear Time (g_c+I1), s	11.9	43.6		17.7		2.0		
Green Ext Time (p_c), s	0.0	3.6		0.1		1.9		

Intersection Summary	
HCM 2010 Ctrl Delay	33.1
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	225		0	0		150	0		0	0		0
Storage Lanes	2		0	0		0	0		1	0		0
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	0.97	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt					0.925				0.850			
Flt Protected	0.950							0.964				
Satd. Flow (prot)	3433	3539	0	0	3274	0	0	1796	1583	0	0	0
Flt Permitted	0.950							0.964				
Satd. Flow (perm)	3433	3539	0	0	3274	0	0	1796	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					281				301			
Link Speed (mph)		45			45			45			45	
Link Distance (ft)		540			1262			985			725	
Travel Time (s)		8.2			19.1			14.9			11.0	

Intersection Summary	
Area Type:	Other



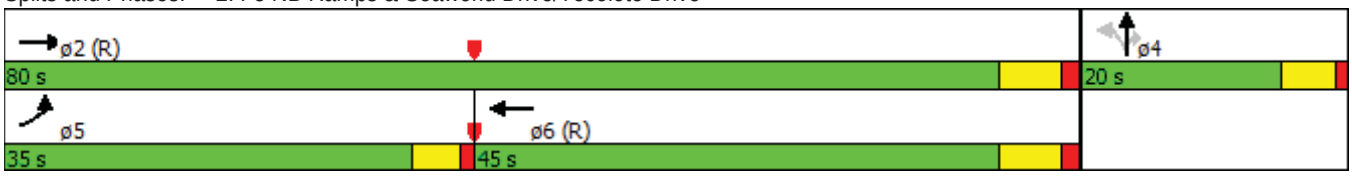
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	1063	552	0	0	478	476	72	25	247	0	0	0
Confl. Peds. (#/hr)			4	4								
Confl. Bikes (#/hr)												
Peak Hour Factor	0.90	0.90	0.90	0.91	0.91	0.91	0.82	0.82	0.82	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	1181	613	0	0	525	523	88	30	301	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	1181	613	0	0	1048	0	0	118	301	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	NBT	NBR
Lane Configurations					
Volume (vph)	1063	552	478	25	247
Turn Type	Prot	NA	NA	NA	Perm
Protected Phases	5	2	6	4	
Permitted Phases					4
Detector Phase	5	2	6	4	4
Switch Phase					
Minimum Initial (s)	5.0	10.0	14.0	5.0	5.0
Minimum Split (s)	34.7	24.0	29.0	10.1	10.1
Total Split (s)	35.0	80.0	45.0	20.0	20.0
Total Split (%)	35.0%	80.0%	45.0%	20.0%	20.0%
Yellow Time (s)	3.7	4.5	4.5	4.1	4.1
All-Red Time (s)	1.0	1.5	1.5	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.0	6.0	5.1	5.1
Lead/Lag	Lead		Lag		
Lead-Lag Optimize?	Yes		Yes		
Recall Mode	None	C-Min	C-Min	None	None
Act Effct Green (s)	41.3	78.9	32.9	10.0	10.0
Actuated g/C Ratio	0.41	0.79	0.33	0.10	0.10
v/c Ratio	0.83	0.22	0.83	0.66	0.70
Control Delay	26.3	6.5	28.2	60.1	14.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	26.3	6.5	28.2	60.1	14.4
LOS	C	A	C	E	B
Approach Delay		19.5	28.2	27.2	
Approach LOS		B	C	C	

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 100	
Offset: 70 (70%), Referenced to phase 2:EBT and 6:WBT, Start of Green	
Natural Cycle: 80	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 23.3	Intersection LOS: C
Intersection Capacity Utilization 77.3%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 2: I-5 NB Ramps & Seaworld Drive/Tecolote Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	1063	552	0	0	478	476	72	25	247	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1900	1863	1863			
Adj Flow Rate, veh/h	1181	613	0	0	525	336	88	30	0			
Adj No. of Lanes	2	2	0	0	2	0	0	1	1			
Peak Hour Factor	0.90	0.90	0.90	0.91	0.91	0.91	0.82	0.82	0.82			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	1043	2856	0	0	947	605	110	37	130			
Arrive On Green	0.10	0.27	0.00	0.00	0.46	0.46	0.08	0.08	0.00			
Sat Flow, veh/h	3442	3632	0	0	2167	1325	1339	457	1583			
Grp Volume(v), veh/h	1181	613	0	0	448	413	118	0	0			
Grp Sat Flow(s),veh/h/ln	1721	1770	0	0	1770	1629	1796	0	1583			
Q Serve(g_s), s	30.3	13.5	0.0	0.0	18.4	18.5	6.5	0.0	0.0			
Cycle Q Clear(g_c), s	30.3	13.5	0.0	0.0	18.4	18.5	6.5	0.0	0.0			
Prop In Lane	1.00		0.00	0.00		0.81	0.75		1.00			
Lane Grp Cap(c), veh/h	1043	2856	0	0	808	744	147	0	130			
V/C Ratio(X)	1.13	0.21	0.00	0.00	0.55	0.56	0.80	0.00	0.00			
Avail Cap(c_a), veh/h	1043	2856	0	0	808	744	268	0	236			
HCM Platoon Ratio	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.39	0.39	0.00	0.00	1.00	1.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	45.0	12.0	0.0	0.0	19.7	19.8	45.1	0.0	0.0			
Incr Delay (d2), s/veh	64.9	0.1	0.0	0.0	2.7	3.0	3.8	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	23.8	6.7	0.0	0.0	9.6	8.9	3.4	0.0	0.0			
LnGrp Delay(d),s/veh	109.9	12.1	0.0	0.0	22.5	22.7	48.8	0.0	0.0			
LnGrp LOS	F	B			C	C	D					
Approach Vol, veh/h		1794			861			118				
Approach Delay, s/veh		76.5			22.6			48.8				
Approach LOS		E			C			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		86.7		13.3	35.0	51.7		
Change Period (Y+Rc), s		6.0		5.1	* 4.7	6.0		
Max Green Setting (Gmax), s		74.0		14.9	* 30	39.0		
Max Q Clear Time (g_c+I1), s		15.5		8.5	32.3	20.5		
Green Ext Time (p_c), s		6.9		0.1	0.0	5.8		

Intersection Summary	
HCM 2010 Ctrl Delay	58.6
HCM 2010 LOS	E

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		200	250		0	0		0	0		600
Storage Lanes	0		1	1		0	0		0	0		1
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850									0.850
Flt Protected				0.950							0.953	
Satd. Flow (prot)	0	1863	1583	1770	1863	0	0	0	0	0	1775	1583
Flt Permitted				0.950							0.953	
Satd. Flow (perm)	0	1863	1583	1770	1863	0	0	0	0	0	1775	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			87									91
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		560			604			1740			1266	
Travel Time (s)		10.9			11.8			26.4			19.2	

Intersection Summary	
Area Type:	Other



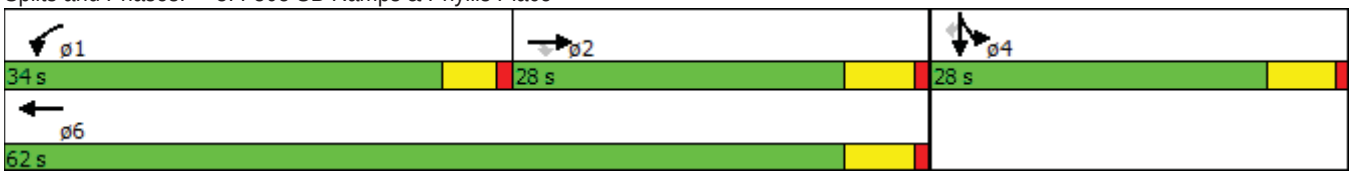
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	64	33	432	35	0	0	0	0	308	1	19
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.97	0.97	0.97	0.87	0.87	0.87	0.25	0.25	0.25	0.83	0.83	0.83
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	66	34	497	40	0	0	0	0	371	1	23
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	66	34	497	40	0	0	0	0	0	372	23

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	SBT	SBR
Lane Configurations						
Volume (vph)	64	33	432	35	1	19
Turn Type	NA	Perm	Prot	NA	NA	Perm
Protected Phases	2		1	6	4	
Permitted Phases		2				4
Detector Phase	2	2	1	6	4	4
Switch Phase						
Minimum Initial (s)	12.0	12.0	5.0	11.0	5.0	5.0
Minimum Split (s)	27.8	27.8	9.7	24.8	21.5	21.5
Total Split (s)	28.0	28.0	34.0	62.0	28.0	28.0
Total Split (%)	31.1%	31.1%	37.8%	68.9%	31.1%	31.1%
Yellow Time (s)	4.8	4.8	3.7	4.8	4.5	4.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	5.8	5.5	5.5
Lead/Lag	Lag	Lag	Lead			
Lead-Lag Optimize?	Yes	Yes	Yes			
Recall Mode	None	None	None	Min	None	None
Act Effct Green (s)	13.4	13.4	24.4	35.8	19.3	19.3
Actuated g/C Ratio	0.20	0.20	0.36	0.53	0.28	0.28
v/c Ratio	0.18	0.09	0.78	0.04	0.74	0.04
Control Delay	30.7	0.5	31.6	7.4	34.8	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.7	0.5	31.6	7.4	34.8	0.2
LOS	C	A	C	A	C	A
Approach Delay	20.4			29.8	32.8	
Approach LOS	C			C	C	

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 67.8	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 30.0	Intersection LOS: C
Intersection Capacity Utilization 64.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 3: I-805 SB Ramps & Phyllis Place



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	64	33	432	35	0	0	0	0	308	1	19
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1900	1863	1863
Adj Flow Rate, veh/h	0	66	0	497	40	0				371	1	0
Adj No. of Lanes	0	1	1	1	1	0				0	1	1
Peak Hour Factor	0.97	0.97	0.97	0.87	0.87	0.87				0.83	0.83	0.83
Percent Heavy Veh, %	0	2	2	2	2	0				2	2	2
Cap, veh/h	0	259	220	559	1008	0				445	1	398
Arrive On Green	0.00	0.14	0.00	0.32	0.54	0.00				0.25	0.25	0.00
Sat Flow, veh/h	0	1863	1583	1774	1863	0				1770	5	1583
Grp Volume(v), veh/h	0	66	0	497	40	0				372	0	0
Grp Sat Flow(s),veh/h/ln	0	1863	1583	1774	1863	0				1774	0	1583
Q Serve(g_s), s	0.0	1.7	0.0	14.5	0.5	0.0				10.8	0.0	0.0
Cycle Q Clear(g_c), s	0.0	1.7	0.0	14.5	0.5	0.0				10.8	0.0	0.0
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	259	220	559	1008	0				446	0	398
V/C Ratio(X)	0.00	0.25	0.00	0.89	0.04	0.00				0.83	0.00	0.00
Avail Cap(c_a), veh/h	0	760	646	955	1923	0				733	0	655
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00				1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	20.9	0.0	17.7	5.9	0.0				19.3	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.0	2.9	0.0	0.0				1.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.9	0.0	7.5	0.3	0.0				5.5	0.0	0.0
LnGrp Delay(d),s/veh	0.0	21.1	0.0	20.6	5.9	0.0				21.1	0.0	0.0
LnGrp LOS		C		C	A					C		
Approach Vol, veh/h		66			537						372	
Approach Delay, s/veh		21.1			19.5						21.1	
Approach LOS		C			B						C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	21.9	13.4		19.2		35.2		
Change Period (Y+Rc), s	* 4.7	5.8		5.5		5.8		
Max Green Setting (Gmax), s	* 29	22.2		22.5		56.2		
Max Q Clear Time (g_c+I1), s	16.5	3.7		12.8		2.5		
Green Ext Time (p_c), s	0.7	0.3		0.9		0.4		

Intersection Summary	
HCM 2010 Ctrl Delay	20.2
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	200		0	0		260	0		0	0		0
Storage Lanes	1		0	0		1	0		1	0		0
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt						0.850			0.850			
Flt Protected	0.950							0.966				
Satd. Flow (prot)	1770	1863	0	0	3539	1583	0	1799	1583	0	0	0
Flt Permitted	0.950							0.966				
Satd. Flow (perm)	1770	1863	0	0	3539	1583	0	1799	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						370			361			
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		604			1266			1836			1231	
Travel Time (s)		11.8			24.7			27.8			18.7	

Intersection Summary	
Area Type:	Other



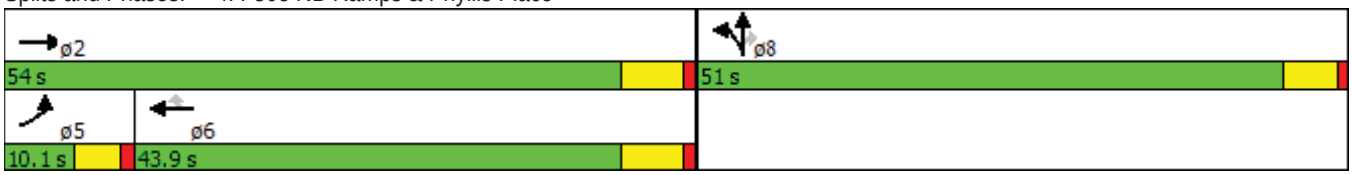
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	42	325	0	0	453	300	19	8	603	0	0	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.83	0.83	0.83	0.81	0.81	0.81	0.87	0.87	0.87	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	51	392	0	0	559	370	22	9	693	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	51	392	0	0	559	370	0	31	693	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBT	NBR
Lane Configurations						
Volume (vph)	42	325	453	300	8	603
Turn Type	Prot	NA	NA	Perm	NA	Perm
Protected Phases	5	2	6		8	
Permitted Phases				6		8
Detector Phase	5	2	6	6	8	8
Switch Phase						
Minimum Initial (s)	5.0	11.0	17.0	17.0	5.0	5.0
Minimum Split (s)	9.7	27.8	41.8	41.8	49.1	49.1
Total Split (s)	10.1	54.0	43.9	43.9	51.0	51.0
Total Split (%)	9.6%	51.4%	41.8%	41.8%	48.6%	48.6%
Yellow Time (s)	3.7	4.8	4.8	4.8	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	5.8	5.8	5.8	5.1	5.1
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	5.9	25.8	20.7	20.7	21.9	21.9
Actuated g/C Ratio	0.10	0.43	0.35	0.35	0.37	0.37
v/c Ratio	0.29	0.49	0.46	0.47	0.05	0.86
Control Delay	38.4	17.0	20.4	5.1	12.7	19.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.4	17.0	20.4	5.1	12.7	19.9
LOS	D	B	C	A	B	B
Approach Delay		19.5	14.3		19.6	
Approach LOS		B	B		B	

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 59.8	
Natural Cycle: 105	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.86	
Intersection Signal Delay: 17.2	Intersection LOS: B
Intersection Capacity Utilization 64.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 4: I-805 NB Ramps & Phyllis Place



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	42	325	0	0	453	300	19	8	603	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	1900	1863	1863			
Adj Flow Rate, veh/h	51	392	0	0	559	80	22	9	457			
Adj No. of Lanes	1	1	0	0	2	1	0	1	1			
Peak Hour Factor	0.83	0.83	0.83	0.81	0.81	0.81	0.87	0.87	0.87			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	89	865	0	0	1149	514	418	171	519			
Arrive On Green	0.05	0.46	0.00	0.00	0.32	0.32	0.33	0.33	0.33			
Sat Flow, veh/h	1774	1863	0	0	3632	1583	1277	522	1583			
Grp Volume(v), veh/h	51	392	0	0	559	80	31	0	457			
Grp Sat Flow(s),veh/h/ln	1774	1863	0	0	1770	1583	1799	0	1583			
Q Serve(g_s), s	1.5	7.5	0.0	0.0	6.6	1.9	0.6	0.0	14.3			
Cycle Q Clear(g_c), s	1.5	7.5	0.0	0.0	6.6	1.9	0.6	0.0	14.3			
Prop In Lane	1.00		0.00	0.00		1.00	0.71		1.00			
Lane Grp Cap(c), veh/h	89	865	0	0	1149	514	589	0	519			
V/C Ratio(X)	0.57	0.45	0.00	0.00	0.49	0.16	0.05	0.00	0.88			
Avail Cap(c_a), veh/h	183	1714	0	0	2575	1152	1577	0	1388			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	24.3	9.5	0.0	0.0	14.2	12.6	12.0	0.0	16.6			
Incr Delay (d2), s/veh	2.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	2.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.8	3.8	0.0	0.0	3.2	0.8	0.3	0.0	6.5			
LnGrp Delay(d),s/veh	26.5	9.7	0.0	0.0	14.3	12.6	12.1	0.0	18.6			
LnGrp LOS	C	A			B	B	B		B			
Approach Vol, veh/h		443			639			488				
Approach Delay, s/veh		11.6			14.1			18.2				
Approach LOS		B			B			B				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		30.1			7.3	22.8		22.3
Change Period (Y+Rc), s		5.8			* 4.7	5.8		5.1
Max Green Setting (Gmax), s		48.2			* 5.4	38.1		45.9
Max Q Clear Time (g_c+I1), s		9.5			3.5	8.6		16.3
Green Ext Time (p_c), s		4.5			0.0	4.4		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	14.7
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	170		0	290		200	240		0	200		200
Storage Lanes	1		1	2		1	2		1	1		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	0.97	1.00	1.00	0.97	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor			0.98	0.97			1.00		0.98	1.00		0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	3433	1863	1583	3433	3539	1583	1770	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1770	1863	1555	3326	1863	1583	3416	3539	1557	1764	3539	1557
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			163			163			112			335
Link Speed (mph)		30			25			40			40	
Link Distance (ft)		326			1405			675			1199	
Travel Time (s)		7.4			38.3			11.5			20.4	

Intersection Summary	
Area Type:	Other



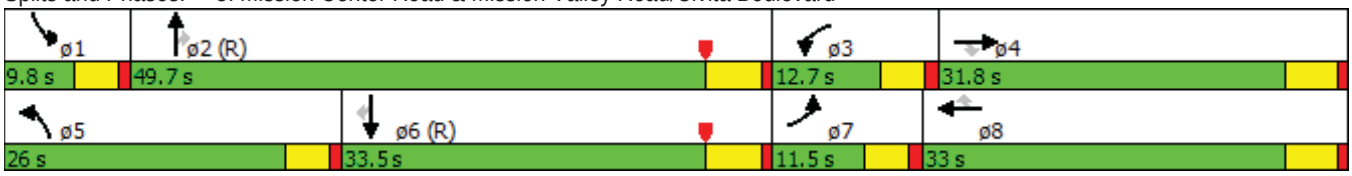
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	35	3	58	113	8	65	404	176	45	18	286	295
Confl. Peds. (#/hr)			5	5			4		4	4		4
Confl. Bikes (#/hr)												
Peak Hour Factor	0.71	0.71	0.71	0.86	0.86	0.86	0.86	0.86	0.86	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	49	4	82	131	9	76	470	205	52	20	325	335
Shared Lane Traffic (%)												
Lane Group Flow (vph)	49	4	82	131	9	76	470	205	52	20	325	335

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	35	3	58	113	8	65	404	176	45	18	286	295
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	20.9	20.9	8.4	32.9	32.9	8.4	33.3	33.3	8.4	32.3	32.3
Total Split (s)	11.5	31.8	31.8	12.7	33.0	33.0	26.0	49.7	49.7	9.8	33.5	33.5
Total Split (%)	11.1%	30.6%	30.6%	12.2%	31.7%	31.7%	25.0%	47.8%	47.8%	9.4%	32.2%	32.2%
Yellow Time (s)	3.4	3.9	3.9	3.4	3.9	3.9	3.4	4.3	4.3	3.4	4.3	4.3
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.4	4.9	4.9	4.4	5.3	5.3	4.4	5.3	5.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	C-Min	C-Min	None	C-Min	C-Min
Act Effct Green (s)	6.9	12.0	12.0	8.8	13.4	13.4	18.2	67.0	67.0	5.4	48.6	48.6
Actuated g/C Ratio	0.07	0.12	0.12	0.08	0.13	0.13	0.18	0.64	0.64	0.05	0.47	0.47
v/c Ratio	0.42	0.02	0.25	0.45	0.04	0.22	0.78	0.09	0.05	0.22	0.20	0.37
Control Delay	56.9	35.3	1.9	50.1	35.0	1.5	50.7	10.4	0.1	53.0	20.1	4.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	56.9	35.3	1.9	50.1	35.0	1.5	50.7	10.4	0.1	53.0	20.1	4.4
LOS	E	D	A	D	C	A	D	B	A	D	C	A
Approach Delay		22.8			32.4			35.7			13.3	
Approach LOS		C			C			D			B	

Intersection Summary	
Cycle Length: 104	
Actuated Cycle Length: 104	
Offset: 103 (99%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 85	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 25.7	Intersection LOS: C
Intersection Capacity Utilization 56.1%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 5: Mission Center Road & Mission Valley Road/Civita Boulevard



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	35	3	58	113	8	65	404	176	45	18	286	295
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	49	4	0	131	9	0	470	205	0	20	325	57
Adj No. of Lanes	1	1	1	2	1	1	2	2	1	1	2	1
Peak Hour Factor	0.71	0.71	0.71	0.86	0.86	0.86	0.86	0.86	0.86	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	63	12	10	193	51	43	542	2611	1168	30	2113	944
Arrive On Green	0.04	0.01	0.00	0.06	0.03	0.00	0.16	0.74	0.00	0.02	0.60	0.60
Sat Flow, veh/h	1774	1863	1583	3442	1863	1583	3442	3539	1583	1774	3539	1580
Grp Volume(v), veh/h	49	4	0	131	9	0	470	205	0	20	325	57
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1721	1863	1583	1721	1770	1583	1774	1770	1580
Q Serve(g_s), s	2.8	0.2	0.0	3.9	0.5	0.0	13.9	1.7	0.0	1.2	4.2	1.6
Cycle Q Clear(g_c), s	2.8	0.2	0.0	3.9	0.5	0.0	13.9	1.7	0.0	1.2	4.2	1.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	63	12	10	193	51	43	542	2611	1168	30	2113	944
V/C Ratio(X)	0.78	0.33	0.00	0.68	0.18	0.00	0.87	0.08	0.00	0.67	0.15	0.06
Avail Cap(c_a), veh/h	121	482	410	275	503	428	715	2611	1168	92	2113	944
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	0.98	0.98	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.8	51.4	0.0	48.2	49.4	0.0	42.7	3.8	0.0	50.8	9.3	8.8
Incr Delay (d2), s/veh	7.6	39.3	0.0	4.1	4.3	0.0	7.0	0.1	0.0	9.1	0.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	0.2	0.0	2.0	0.3	0.0	7.1	0.8	0.0	0.6	2.1	0.7
LnGrp Delay(d),s/veh	57.4	90.7	0.0	52.3	53.7	0.0	49.7	3.9	0.0	60.0	9.4	8.9
LnGrp LOS	E	F		D	D		D	A		E	A	A
Approach Vol, veh/h		53			140			675			402	
Approach Delay, s/veh		59.9			52.4			35.8			11.9	
Approach LOS		E			D			D			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.2	82.0	10.2	5.6	20.8	67.4	8.1	7.7
Change Period (Y+Rc), s	4.4	5.3	4.4	4.9	4.4	5.3	4.4	4.9
Max Green Setting (Gmax), s	5.4	44.4	8.3	26.9	21.6	28.2	7.1	28.1
Max Q Clear Time (g_c+I1), s	3.2	3.7	5.9	2.2	15.9	6.2	4.8	2.5
Green Ext Time (p_c), s	0.0	8.3	0.1	0.1	0.5	6.7	0.0	0.1

Intersection Summary	
HCM 2010 Ctrl Delay	31.1
HCM 2010 LOS	C



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		70	120		0	120		200	150		200
Storage Lanes	0		1	1		0	2		1	1		1
Taper Length (ft)	0			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.91	1.00	1.00	0.95	1.00
Ped Bike Factor			0.95	0.99			0.99		0.99	1.00		0.98
Frt			0.850		0.929				0.850			0.850
Flt Protected		0.957		0.950			0.950			0.950		
Satd. Flow (prot)	0	1783	1583	1770	1730	0	3433	5085	1583	1770	3539	1583
Flt Permitted		0.957		0.950			0.950			0.950		
Satd. Flow (perm)	0	1783	1502	1745	1730	0	3409	5085	1562	1769	3539	1553
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			203		27				136			136
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		331			1101			342			675	
Travel Time (s)		9.0			30.0			5.8			11.5	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	53	6	148	126	24	22	229	537	38	3	366	70
Confl. Peds. (#/hr)			18	18			4		1	1		4
Confl. Bikes (#/hr)												
Peak Hour Factor	0.73	0.73	0.73	0.81	0.81	0.81	0.83	0.83	0.83	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	73	8	203	156	30	27	276	647	46	3	389	74
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	81	203	156	57	0	276	647	46	3	389	74

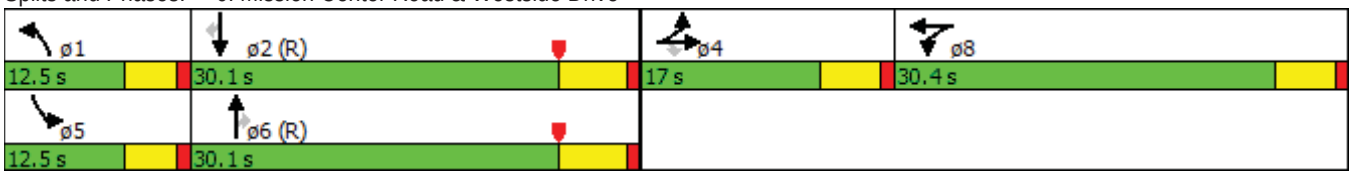
Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	6	148	126	24	229	537	38	3	366	70
Turn Type	NA	Perm	Split	NA	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	4		8	8	1	6		5	2	
Permitted Phases		4					6			2
Detector Phase	4	4	8	8	1	6	6	5	2	2
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0	7.0
Minimum Split (s)	8.9	8.9	35.9	35.9	8.4	24.5	24.5	8.4	20.5	20.5
Total Split (s)	17.0	17.0	30.4	30.4	12.5	30.1	30.1	12.5	30.1	30.1
Total Split (%)	18.9%	18.9%	33.8%	33.8%	13.9%	33.4%	33.4%	13.9%	33.4%	33.4%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.4	4.5	4.5	3.4	4.5	4.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.9	4.4	5.5	5.5	4.4	5.5	5.5
Lead/Lag					Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	C-Min	C-Min	None	C-Min	C-Min
Act Effct Green (s)	8.5	8.5	19.0	19.0	10.7	45.3	45.3	4.8	32.2	32.2
Actuated g/C Ratio	0.09	0.09	0.21	0.21	0.12	0.50	0.50	0.05	0.36	0.36
v/c Ratio	0.48	0.62	0.42	0.15	0.68	0.25	0.05	0.03	0.31	0.12
Control Delay	47.4	14.7	31.9	15.5	49.4	13.8	0.7	41.0	24.9	0.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	47.4	14.7	31.9	15.5	49.4	13.8	0.7	41.0	24.9	0.9
LOS	D	B	C	B	D	B	A	D	C	A
Approach Delay	24.0			27.5		23.3			21.2	
Approach LOS	C			C		C			C	

Intersection Summary

Cycle Length: 90
Actuated Cycle Length: 90
Offset: 10 (11%), Referenced to phase 2:SBT and 6:NBT, Start of Yellow
Natural Cycle: 80
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.68
Intersection Signal Delay: 23.4 — Intersection LOS: C
Intersection Capacity Utilization 45.1% — ICU Level of Service A
Analysis Period (min) 15

Splits and Phases: 6: Mission Center Road & Westside Drive





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	53	6	148	126	24	22	229	537	38	3	366	70
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.96	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	73	8	0	156	30	2	276	647	0	3	389	0
Adj No. of Lanes	0	1	1	1	1	0	2	3	1	1	2	1
Peak Hour Factor	0.73	0.73	0.73	0.81	0.81	0.81	0.83	0.83	0.83	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	95	10	94	261	253	17	310	2908	905	6	1717	768
Arrive On Green	0.06	0.06	0.00	0.15	0.15	0.15	0.18	1.00	0.00	0.00	0.49	0.00
Sat Flow, veh/h	1606	176	1583	1774	1722	115	3442	5085	1583	1774	3539	1583
Grp Volume(v), veh/h	81	0	0	156	0	32	276	647	0	3	389	0
Grp Sat Flow(s),veh/h/ln	1782	0	1583	1774	0	1837	1721	1695	1583	1774	1770	1583
Q Serve(g_s), s	4.0	0.0	0.0	7.4	0.0	1.4	7.0	0.0	0.0	0.2	5.7	0.0
Cycle Q Clear(g_c), s	4.0	0.0	0.0	7.4	0.0	1.4	7.0	0.0	0.0	0.2	5.7	0.0
Prop In Lane	0.90		1.00	1.00		0.06	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	105	0	94	261	0	270	310	2908	905	6	1717	768
V/C Ratio(X)	0.77	0.00	0.00	0.60	0.00	0.12	0.89	0.22	0.00	0.53	0.23	0.00
Avail Cap(c_a), veh/h	240	0	213	503	0	521	310	2908	905	160	1717	768
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	0.93	0.93	0.00	0.97	0.97	0.00
Uniform Delay (d), s/veh	41.7	0.0	0.0	35.9	0.0	33.3	36.5	0.0	0.0	44.8	13.4	0.0
Incr Delay (d2), s/veh	4.4	0.0	0.0	2.9	0.0	0.3	23.9	0.2	0.0	24.6	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	0.0	0.0	3.9	0.0	0.7	4.3	0.0	0.0	0.1	2.9	0.0
LnGrp Delay(d),s/veh	46.1	0.0	0.0	38.8	0.0	33.6	60.3	0.2	0.0	69.4	13.7	0.0
LnGrp LOS	D			D		C	E	A		E	B	
Approach Vol, veh/h		81			188			923			392	
Approach Delay, s/veh		46.1			37.9			18.2			14.1	
Approach LOS		D			D			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.5	49.2		10.2	4.7	57.0		18.1
Change Period (Y+Rc), s	4.4	5.5		4.9	4.4	5.5		4.9
Max Green Setting (Gmax), s	8.1	24.6		12.1	8.1	24.6		25.5
Max Q Clear Time (g_c+I1), s	9.0	7.7		6.0	2.2	2.0		9.4
Green Ext Time (p_c), s	0.0	8.6		0.1	0.0	10.1		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	20.9
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%		0%			0%
Storage Length (ft)	0	230		0	280	
Storage Lanes	2	1		1	2	
Taper Length (ft)	0				25	
Lane Util. Factor	0.97	0.91	0.95	1.00	0.97	0.95
Ped Bike Factor						
Frt	0.993	0.850		0.850		
Flt Protected	0.955				0.950	
Satd. Flow (prot)	3427	1441	3539	1583	3433	3539
Flt Permitted	0.955				0.950	
Satd. Flow (perm)	3427	1441	3539	1583	3433	3539
Right Turn on Red		Yes		Yes		
Satd. Flow (RTOR)	7	151		59		
Link Speed (mph)	45		45			45
Link Distance (ft)	1586		646			1193
Travel Time (s)	24.0		9.8			18.1

Intersection Summary	
Area Type:	Other



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Volume (vph)	512	264	1136	397	115	702
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.80	0.80	0.90	0.90	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%		0%			0%
Adj. Flow (vph)	640	330	1262	441	125	763
Shared Lane Traffic (%)		10%				
Lane Group Flow (vph)	673	297	1262	441	125	763

Intersection Summary

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	512	264	1136	397	115	702
Turn Type	Prot	Perm	NA	pm+ov	Prot	NA
Protected Phases	8		2	8	1	6
Permitted Phases		8		2		
Detector Phase	8	8	2	8	1	6
Switch Phase						
Minimum Initial (s)	4.0	4.0	7.0	4.0	4.0	7.0
Minimum Split (s)	33.2	33.2	34.2	33.2	8.4	21.4
Total Split (s)	33.2	33.2	37.8	33.2	9.0	46.8
Total Split (%)	41.5%	41.5%	47.3%	41.5%	11.3%	58.5%
Yellow Time (s)	5.2	5.2	5.2	5.2	3.4	4.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.2	6.2	6.2	6.2	4.4	5.4
Lead/Lag			Lag		Lead	
Lead-Lag Optimize?			Yes		Yes	
Recall Mode	None	None	Min	None	None	Min
Act Effct Green (s)	19.1	19.1	29.0	56.4	4.8	36.6
Actuated g/C Ratio	0.28	0.28	0.43	0.83	0.07	0.54
v/c Ratio	0.69	0.58	0.83	0.33	0.52	0.40
Control Delay	26.3	15.9	24.9	2.4	43.2	10.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.3	15.9	24.9	2.4	43.2	10.2
LOS	C	B	C	A	D	B
Approach Delay	23.1		19.1			14.9
Approach LOS	C		B			B

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 67.7	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 19.1	Intersection LOS: B
Intersection Capacity Utilization 66.1%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 7: Seaworld Drive & Friar Roads





Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	512	264	1136	397	115	702
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	640	205	1262	397	125	763
Adj No. of Lanes	2	1	2	1	2	2
Peak Hour Factor	0.80	0.80	0.90	0.90	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	790	352	1648	1089	203	2091
Arrive On Green	0.22	0.22	0.47	0.47	0.06	0.59
Sat Flow, veh/h	3548	1583	3632	1583	3442	3632
Grp Volume(v), veh/h	640	205	1262	397	125	763
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770
Q Serve(g_s), s	11.4	7.7	19.7	6.9	2.4	7.5
Cycle Q Clear(g_c), s	11.4	7.7	19.7	6.9	2.4	7.5
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	790	352	1648	1089	203	2091
V/C Ratio(X)	0.81	0.58	0.77	0.36	0.61	0.36
Avail Cap(c_a), veh/h	1442	643	1683	1105	238	2205
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.5	23.1	14.8	4.3	30.5	7.1
Incr Delay (d2), s/veh	0.8	0.6	2.3	0.3	1.8	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.6	3.4	10.0	5.3	1.2	3.7
LnGrp Delay(d),s/veh	25.3	23.6	17.0	4.6	32.3	7.3
LnGrp LOS	C	C	B	A	C	A
Approach Vol, veh/h	845		1659			888
Approach Delay, s/veh	24.9		14.1			10.9
Approach LOS	C		B			B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	8.3	37.1				45.5		21.0
Change Period (Y+Rc), s	4.4	6.2				* 6.2		6.2
Max Green Setting (Gmax), s	4.6	31.6				* 41		27.0
Max Q Clear Time (g_c+I1), s	4.4	21.7				9.5		13.4
Green Ext Time (p_c), s	0.0	9.2				26.8		1.4

Intersection Summary	
HCM 2010 Ctrl Delay	15.9
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	220		0	0		190	0		0	0		120
Storage Lanes	1		0	0		1	0		0	2		1
Taper Length (ft)	25			0			25			0		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	1.00	1.00	0.97	1.00	1.00
Ped Bike Factor	1.00					0.99				0.97		
Frt						0.850					0.850	0.850
Flt Protected	0.950									0.950		
Satd. Flow (prot)	1770	3539	0	0	3539	1583	0	1863	0	3261	0	1583
Flt Permitted	0.950									0.950		
Satd. Flow (perm)	1768	3539	0	0	3539	1561	0	1863	0	3152	0	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						747					187	131
Link Speed (mph)		45			45			30			25	
Link Distance (ft)		3030			1815			225			747	
Travel Time (s)		45.9			27.5			5.1			20.4	

Intersection Summary	
Area Type:	Other



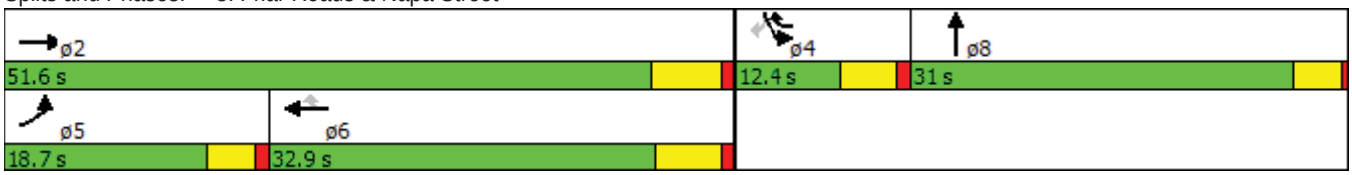
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	217	309	0	0	787	734	0	0	0	206	0	86
Confl. Peds. (#/hr)	2					2				19		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.79	0.79	0.92	0.92	0.91	0.91	0.92	0.92	0.92	0.95	0.92	0.95
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)										0		
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	275	391	0	0	865	807	0	0	0	217	0	91
Shared Lane Traffic (%)												10%
Lane Group Flow (vph)	275	391	0	0	865	807	0	0	0	217	9	82

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBT	SBR	ø8
Lane Configurations								
Volume (vph)	217	309	787	734	206	0	86	
Turn Type	Prot	NA	NA	pm+ov	Prot		Perm	
Protected Phases	5	2	6	4	4			8
Permitted Phases				6			4	
Detector Phase	5	2	6	4	4		4	
Switch Phase								
Minimum Initial (s)	4.0	7.0	7.0	4.0	4.0		4.0	4.0
Minimum Split (s)	8.4	30.0	32.6	8.9	8.9		8.9	31.0
Total Split (s)	18.7	51.6	32.9	12.4	12.4		12.4	31.0
Total Split (%)	19.7%	54.3%	34.6%	13.1%	13.1%		13.1%	33%
Yellow Time (s)	3.4	5.0	4.6	3.9	3.9		3.9	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0		1.0	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	
Total Lost Time (s)	4.4	6.0	5.6	4.9	4.9		4.9	
Lead/Lag	Lead		Lag					
Lead-Lag Optimize?	Yes		Yes					
Recall Mode	None	Min	Min	None	None		None	None
Act Effct Green (s)	15.4	41.8	22.2	31.0	8.1	0.0	8.1	
Actuated g/C Ratio	0.22	0.59	0.31	0.44	0.11	0.00	0.11	
v/c Ratio	0.72	0.19	0.78	0.73	0.58	0.05	0.28	
Control Delay	44.2	9.7	30.3	6.9	42.5	0.0	4.6	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	44.2	9.7	30.3	6.9	42.5	0.0	4.6	
LOS	D	A	C	A	D	A	A	
Approach Delay		24.0	19.0			31.2		
Approach LOS		C	B			C		

Intersection Summary	
Cycle Length: 95	
Actuated Cycle Length: 70.9	
Natural Cycle: 95	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 21.7	Intersection LOS: C
Intersection Capacity Utilization 65.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 8: Friar Roads & Napa Street



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	217	309	0	0	787	734	0	0	0	206	0	86
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	0	1863	0	1863
Adj Flow Rate, veh/h	275	391	0	0	865	686	0	0	0	200	10	64514368
Adj No. of Lanes	1	2	0	0	2	1	0	1	0	7600803	6	60731776
Peak Hour Factor	0.79	0.79	0.92	0.92	0.91	0.91	0.92	0.92	0.92	0.95	0.92	0.95
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	0	2	0	2
Cap, veh/h	329	2612	0	0	1679	858	0	3	91	17853312	0	0
Arrive On Green	0.19	0.74	0.00	0.00	0.47	0.47	0.00	0.00	0.00	0.07	0.00	0.00
Sat Flow, veh/h	1774	3632	0	0	3632	1581	0	-74510	1343	84151808	200	
Grp Volume(v), veh/h	275	391	0	0	865	686	0	0	0	200	0.0	
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1770	1581	0	1863	0	1774	A	
Q Serve(g_s), s	8.4	1.8	0.0	0.0	9.6	19.7	0.0	0.0	0.0	0.0		
Cycle Q Clear(g_c), s	8.4	1.8	0.0	0.0	9.6	19.7	0.0	0.0	0.0	0.0		
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	1.00		
Lane Grp Cap(c), veh/h	329	2612	0	0	1679	858	0	3	91	17853312		
V/C Ratio(X)	0.84	0.15	0.00	0.00	0.52	0.80	0.00	0.00	0.00	0.00		
Avail Cap(c_a), veh/h	452	2873	0	0	1720	876	0	895	180	00430464		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00		
Uniform Delay (d), s/veh	22.1	2.2	0.0	0.0	10.3	10.4	0.0	0.0	0.0	0.0		
Incr Delay (d2), s/veh	7.2	0.0	0.0	0.0	0.4	5.6	0.0	0.0	0.0	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	4.8	0.9	0.0	0.0	4.7	11.1	0.0	0.0	0.0	0.0		
LnGrp Delay(d),s/veh	29.2	2.2	0.0	0.0	10.7	16.0	0.0	0.0	0.0	0.0		
LnGrp LOS	C	A			B	B				A		
Approach Vol, veh/h		666			1551			0				
Approach Delay, s/veh		13.4			13.0			0.0				
Approach LOS		B			B							

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6	7	8
Phs Duration (G+Y+Rc), s		47.4			14.8	32.6	8.7	0.0
Change Period (Y+Rc), s		6.0			4.4	* 6	4.9	4.0
Max Green Setting (Gmax), s		45.6			14.3	* 27	7.5	27.0
Max Q Clear Time (g_c+I1), s		3.8			10.4	21.7	2.0	0.0
Green Ext Time (p_c), s		25.3			0.2	4.9	0.6	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	12.0
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	160		0	200		0	60		0	40		0
Storage Lanes	1		0	1		0	0		1	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00	1.00		0.99	1.00			0.99			0.98	
Frt		0.993			0.992				0.850		0.860	
Flt Protected	0.950			0.950				0.957		0.950		
Satd. Flow (prot)	1770	3506	0	1770	3501	0	0	1783	1583	1770	1572	0
Flt Permitted	0.950			0.950				0.714		0.714		
Satd. Flow (perm)	1765	3506	0	1746	3501	0	0	1320	1583	1330	1572	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		7			7				73		41	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1815			947			569			1557	
Travel Time (s)		27.5			14.3			15.5			42.5	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	39	382	19	13	1521	81	53	5	34	55	2	32
Confl. Peds. (#/hr)	10		13	13		10	8					8
Confl. Bikes (#/hr)												
Peak Hour Factor	0.71	0.71	0.71	0.85	0.85	0.85	0.88	0.88	0.88	0.79	0.79	0.79
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	55	538	27	15	1789	95	60	6	39	70	3	41
Shared Lane Traffic (%)												
Lane Group Flow (vph)	55	565	0	15	1884	0	0	66	39	70	44	0

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	39	382	13	1521	53	5	34	55	2
Turn Type	Prot	NA	Prot	NA	Perm	NA	Perm	Perm	NA
Protected Phases	5	2	1	6		8			4
Permitted Phases					8		8	4	
Detector Phase	5	2	1	6	8	8	8	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	29.7	8.4	24.0	20.0	20.0	20.0	35.9	35.9
Total Split (s)	9.2	65.5	8.5	64.8	36.0	36.0	36.0	36.0	36.0
Total Split (%)	8.4%	59.5%	7.7%	58.9%	32.7%	32.7%	32.7%	32.7%	32.7%
Yellow Time (s)	3.4	4.7	3.4	5.0	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.7	4.4	6.0		4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lead	Lag					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	None	Min	None	Min	None	None	None	None	None
Act Effct Green (s)	5.0	66.0	4.3	60.1		11.5	11.5	11.6	11.6
Actuated g/C Ratio	0.06	0.77	0.05	0.70		0.13	0.13	0.14	0.14
v/c Ratio	0.53	0.21	0.17	0.76		0.37	0.14	0.39	0.18
Control Delay	64.4	5.6	50.4	16.1		40.4	2.8	40.9	12.8
Queue Delay	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Delay	64.4	5.6	50.4	16.1		40.4	2.8	40.9	12.8
LOS	E	A	D	B		D	A	D	B
Approach Delay		10.9		16.4		26.4			30.0
Approach LOS		B		B		C			C

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 85.4	
Natural Cycle: 110	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.76	
Intersection Signal Delay: 16.1	Intersection LOS: B
Intersection Capacity Utilization 67.2%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 9: Colusa Street & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	39	382	19	13	1521	81	53	5	34	55	2	32
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	0.98		1.00	0.98		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	55	538	20	15	1789	89	60	6	0	70	3	3
Adj No. of Lanes	1	2	0	1	2	0	0	1	1	1	1	0
Peak Hour Factor	0.71	0.71	0.71	0.85	0.85	0.85	0.88	0.88	0.88	0.79	0.79	0.79
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	70	2419	90	25	2298	113	222	19	181	257	97	97
Arrive On Green	0.04	0.70	0.70	0.01	0.67	0.67	0.11	0.11	0.00	0.11	0.11	0.11
Sat Flow, veh/h	1774	3479	129	1774	3431	169	1246	162	1583	1381	846	846
Grp Volume(v), veh/h	55	273	285	15	916	962	66	0	0	70	0	6
Grp Sat Flow(s),veh/h/ln	1774	1770	1839	1774	1770	1831	1408	0	1583	1381	0	1692
Q Serve(g_s), s	2.7	4.8	4.8	0.7	30.8	31.8	3.5	0.0	0.0	0.0	0.0	0.3
Cycle Q Clear(g_c), s	2.7	4.8	4.8	0.7	30.8	31.8	3.8	0.0	0.0	3.2	0.0	0.3
Prop In Lane	1.00		0.07	1.00		0.09	0.91		1.00	1.00		0.50
Lane Grp Cap(c), veh/h	70	1231	1278	25	1185	1226	240	0	181	257	0	194
V/C Ratio(X)	0.78	0.22	0.22	0.60	0.77	0.78	0.27	0.00	0.00	0.27	0.00	0.03
Avail Cap(c_a), veh/h	98	1231	1278	84	1198	1239	583	0	567	593	0	606
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	41.4	4.8	4.8	42.6	9.8	10.0	35.7	0.0	0.0	35.5	0.0	34.2
Incr Delay (d2), s/veh	15.6	0.3	0.3	8.5	4.9	5.0	0.2	0.0	0.0	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	2.5	2.6	0.4	16.4	17.5	1.5	0.0	0.0	1.6	0.0	0.1
LnGrp Delay(d),s/veh	56.9	5.1	5.1	51.1	14.7	15.0	36.0	0.0	0.0	35.7	0.0	34.2
LnGrp LOS	E	A	A	D	B	B	D			D		C
Approach Vol, veh/h		613			1893			66			76	
Approach Delay, s/veh		9.8			15.2			36.0			35.6	
Approach LOS		A			B			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.6	66.4		14.9	7.8	64.2		14.9
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0		4.9
Max Green Setting (Gmax), s	4.1	* 60		31.1	4.8	58.8		31.1
Max Q Clear Time (g_c+I1), s	2.7	6.8		5.2	4.7	33.8		5.8
Green Ext Time (p_c), s	0.0	51.1		0.3	0.0	24.4		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	15.0
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	190			200	115	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00
Ped Bike Factor	1.00			0.96	1.00	
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	3539	3539	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1766	3539	3539	1516	1768	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				344		147
Link Speed (mph)		45	45		25	
Link Distance (ft)		1011	1038		405	
Travel Time (s)		15.3	15.7		11.0	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	87	378	1500	465	159	115
Confl. Peds. (#/hr)	11			11	1	
Confl. Bikes (#/hr)						
Peak Hour Factor	0.74	0.74	0.87	0.87	0.73	0.73
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	118	511	1724	534	218	158
Shared Lane Traffic (%)						
Lane Group Flow (vph)	118	511	1724	534	218	158

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	87	378	1500	465	159	115
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	10.0	10.0	10.0	4.0	4.0
Minimum Split (s)	8.4	21.7	31.9	31.9	37.1	37.1
Total Split (s)	12.4	72.9	60.5	60.5	37.1	37.1
Total Split (%)	11.3%	66.3%	55.0%	55.0%	33.7%	33.7%
Yellow Time (s)	3.4	4.7	4.9	4.9	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.7	5.9	5.9	5.1	5.1
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	8.2	62.9	50.0	50.0	17.2	17.2
Actuated g/C Ratio	0.09	0.69	0.55	0.55	0.19	0.19
v/c Ratio	0.75	0.21	0.89	0.54	0.65	0.38
Control Delay	72.7	6.2	26.1	7.1	44.3	9.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	72.7	6.2	26.1	7.1	44.3	9.3
LOS	E	A	C	A	D	A
Approach Delay		18.7	21.6		29.6	
Approach LOS		B	C		C	

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 91.1	
Natural Cycle: 110	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.89	
Intersection Signal Delay: 21.9	Intersection LOS: C
Intersection Capacity Utilization 67.9%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 10: Friar Roads & Via Las Cumbres





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	87	378	1500	465	159	115
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	118	511	1724	333	218	14
Adj No. of Lanes	1	2	2	1	1	1
Peak Hour Factor	0.74	0.74	0.87	0.87	0.73	0.73
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	148	2550	2066	916	260	232
Arrive On Green	0.08	0.72	0.58	0.58	0.15	0.15
Sat Flow, veh/h	1774	3632	3632	1568	1774	1583
Grp Volume(v), veh/h	118	511	1724	333	218	14
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1568	1774	1583
Q Serve(g_s), s	5.4	3.9	32.8	9.3	9.9	0.6
Cycle Q Clear(g_c), s	5.4	3.9	32.8	9.3	9.9	0.6
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	148	2550	2066	916	260	232
V/C Ratio(X)	0.80	0.20	0.83	0.36	0.84	0.06
Avail Cap(c_a), veh/h	171	2869	2331	1033	685	611
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	37.3	3.8	14.0	9.1	34.4	30.4
Incr Delay (d2), s/veh	17.1	0.0	2.4	0.2	2.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	1.9	16.5	4.0	5.0	0.6
LnGrp Delay(d),s/veh	54.4	3.8	16.4	9.3	37.1	30.5
LnGrp LOS	D	A	B	A	D	C
Approach Vol, veh/h		629	2057		232	
Approach Delay, s/veh		13.3	15.2		36.7	
Approach LOS		B	B		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		65.6		17.3	11.3	54.3		
Change Period (Y+Rc), s		* 5.9		5.1	4.4	5.9		
Max Green Setting (Gmax), s		* 67		32.0	8.0	54.6		
Max Q Clear Time (g_c+I1), s		5.9		11.9	7.4	34.8		
Green Ext Time (p_c), s		24.7		0.3	0.0	13.6		

Intersection Summary	
HCM 2010 Ctrl Delay	16.5
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	180		0	200		0	0		190	0		0
Storage Lanes	1		0	2		0	0		1	0		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00	1.00		1.00	1.00			0.99	0.99		1.00	
Frt		0.976			0.999				0.850		0.971	
Flt Protected	0.950			0.950				0.952			0.966	
Satd. Flow (prot)	1770	4946	0	3433	3535	0	0	1773	1583	0	1740	0
Flt Permitted	0.950			0.950				0.702			0.657	
Satd. Flow (perm)	1765	4946	0	3416	3535	0	0	1299	1560	0	1183	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		36			1				71		7	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1079			674			1337			329	
Travel Time (s)		16.3			10.2			36.5			9.0	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	2	538	103	173	1541	8	280	1	81	17	2	5
Confl. Peds. (#/hr)	8		5	5		8	7		3	3		7
Confl. Bikes (#/hr)			3			3						
Peak Hour Factor	0.88	0.88	0.88	0.85	0.85	0.85	0.70	0.70	0.70	0.75	0.75	0.75
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	2	611	117	204	1813	9	400	1	116	23	3	7
Shared Lane Traffic (%)												
Lane Group Flow (vph)	2	728	0	204	1822	0	0	401	116	0	33	0

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	2	538	173	1541	280	1	81	17	2
Turn Type	Prot	NA	Prot	NA	Perm	NA	pm+ov	Perm	NA
Protected Phases	5	2	1	6		8	1		4
Permitted Phases					8		8	4	
Detector Phase	5	2	1	6	8	8	1	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	26.9	8.4	19.3	39.9	39.9	8.4	39.9	39.9
Total Split (s)	12.5	39.0	32.5	59.0	40.5	40.5	32.5	40.5	40.5
Total Split (%)	11.2%	34.8%	29.0%	52.7%	36.2%	36.2%	29.0%	36.2%	36.2%
Yellow Time (s)	3.4	4.9	3.4	4.3	3.9	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Lost Time (s)	4.4	5.9	4.4	5.3		4.9	4.4		4.9
Lead/Lag	Lead	Lead	Lag	Lag			Lag		
Lead-Lag Optimize?	Yes	Yes	Yes	Yes			Yes		
Recall Mode	None	C-Min	None	C-Min	None	None	None	None	None
Act Effct Green (s)	4.7	21.2	40.2	64.4		35.5	76.1		23.4
Actuated g/C Ratio	0.04	0.19	0.36	0.58		0.32	0.68		0.21
v/c Ratio	0.03	0.76	0.17	0.90		0.98	0.11		0.13
Control Delay	52.0	46.0	24.5	28.0		77.9	2.7		25.2
Queue Delay	0.0	0.0	0.0	14.6		0.0	0.0		0.0
Total Delay	52.0	46.0	24.5	42.6		77.9	2.7		25.2
LOS	D	D	C	D		E	A		C
Approach Delay		46.0		40.8		61.0			25.2
Approach LOS		D		D		E			C

Intersection Summary	
Cycle Length: 112	
Actuated Cycle Length: 112	
Offset: 82 (73%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 110	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.98	
Intersection Signal Delay: 44.9	Intersection LOS: D
Intersection Capacity Utilization 79.3%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 11: Fashion Valley Road & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	2	538	103	173	1541	8	280	1	81	17	2	5
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	2	611	89	204	1813	9	400	1	16	23	3	0
Adj No. of Lanes	1	3	0	2	2	0	0	1	1	0	1	0
Peak Hour Factor	0.88	0.88	0.88	0.85	0.85	0.85	0.70	0.70	0.70	0.75	0.75	0.75
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	4	816	117	1391	2158	11	501	1	1064	103	10	0
Arrive On Green	0.00	0.18	0.18	0.81	1.00	1.00	0.27	0.27	0.27	0.27	0.27	0.00
Sat Flow, veh/h	1774	4475	642	3442	3611	18	1621	4	1571	158	37	0
Grp Volume(v), veh/h	2	461	239	204	888	934	401	0	16	26	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1727	1721	1770	1859	1625	0	1571	195	0	0
Q Serve(g_s), s	0.1	14.4	14.7	1.4	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
Cycle Q Clear(g_c), s	0.1	14.4	14.7	1.4	0.0	0.0	26.4	0.0	0.0	28.1	0.0	0.0
Prop In Lane	1.00		0.37	1.00		0.01	1.00		1.00	0.88		0.00
Lane Grp Cap(c), veh/h	4	618	315	1391	1058	1111	503	0	1064	113	0	0
V/C Ratio(X)	0.52	0.74	0.76	0.15	0.84	0.84	0.80	0.00	0.02	0.23	0.00	0.00
Avail Cap(c_a), veh/h	128	1002	510	1391	1058	1111	570	0	1139	182	0	0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.74	0.74	0.74	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	55.8	43.3	43.5	6.5	0.0	0.0	39.5	0.0	6.0	48.6	0.0	0.0
Incr Delay (d2), s/veh	35.6	7.9	15.8	0.0	6.1	5.8	6.3	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	7.4	8.4	0.7	1.8	1.8	12.8	0.0	0.2	0.8	0.0	0.0
LnGrp Delay(d),s/veh	91.4	51.3	59.2	6.6	6.1	5.8	45.8	0.0	6.0	49.1	0.0	0.0
LnGrp LOS	F	D	E	A	A	A	D		A	D		
Approach Vol, veh/h		702			2026			417			26	
Approach Delay, s/veh		54.1			6.0			44.3			49.1	
Approach LOS		D			A			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	50.6	26.3		35.1	4.6	72.2		35.1
Change Period (Y+Rc), s	5.3	* 5.9		4.9	4.4	5.3		4.9
Max Green Setting (Gmax), s	28.1	* 33		35.6	8.1	53.7		35.6
Max Q Clear Time (g_c+I1), s	3.4	16.7		30.1	2.1	2.0		28.4
Green Ext Time (p_c), s	18.0	3.6		1.0	0.0	29.2		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	22.0
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	140		0	300		0	0		0	0		0
Storage Lanes	1		0	2		0	1		1	0		0
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00		0.99					0.98			
Frt		0.997							0.850			
Flt Protected				0.950			0.950					
Satd. Flow (prot)	1863	5067	0	3433	3539	0	1770	0	1583	0	0	0
Flt Permitted				0.950			0.950					
Satd. Flow (perm)	1863	5067	0	3407	3539	0	1770	0	1549	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4							66			
Link Speed (mph)		45			45			25			30	
Link Distance (ft)		674			1326			591			337	
Travel Time (s)		10.2			20.1			16.1			7.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	653	15	84	1756	0	4	0	23	0	0	0
Confl. Peds. (#/hr)			8	8					9			
Confl. Bikes (#/hr)			4									
Peak Hour Factor	0.92	0.93	0.93	0.90	0.90	0.92	0.96	0.92	0.96	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	702	16	93	1951	0	4	0	24	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	718	0	93	1951	0	4	0	24	0	0	0

Intersection Summary

Lane Group	EBT	WBL	WBT	NBL	NBR	ø5
Lane Configurations						
Volume (vph)	653	84	1756	4	23	
Turn Type	NA	Prot	NA	Prot	Perm	
Protected Phases	2	1	6	8		5
Permitted Phases					8	
Detector Phase	2	1	6	8	8	
Switch Phase						
Minimum Initial (s)	10.0	4.0	10.0	4.0	4.0	4.0
Minimum Split (s)	27.4	20.4	21.3	35.4	35.4	8.4
Total Split (s)	65.0	13.0	66.9	34.0	34.0	11.0
Total Split (%)	58.0%	11.6%	59.7%	30.4%	30.4%	10%
Yellow Time (s)	4.4	3.4	4.3	3.4	3.4	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	5.4	4.4	5.3	4.4	4.4	
Lead/Lag	Lag	Lead	Lag			Lead
Lead-Lag Optimize?	Yes	Yes	Yes			Yes
Recall Mode	C-Min	None	C-Min	None	None	None
Act Effct Green (s)	87.5	7.2	98.3	9.7	9.7	
Actuated g/C Ratio	0.78	0.06	0.88	0.09	0.09	
v/c Ratio	0.18	0.42	0.63	0.03	0.12	
Control Delay	1.4	59.0	5.0	39.8	1.3	
Queue Delay	0.0	0.0	0.2	0.0	0.0	
Total Delay	1.4	59.0	5.2	39.8	1.3	
LOS	A	E	A	D	A	
Approach Delay	1.4		7.7			
Approach LOS	A		A			

Intersection Summary

Cycle Length: 112
Actuated Cycle Length: 112
Offset: 105 (94%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 105
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.63
Intersection Signal Delay: 6.1 — Intersection LOS: A
Intersection Capacity Utilization 60.0% — ICU Level of Service B
Analysis Period (min) 15

Splits and Phases: 12: Via De La Moda & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	653	15	84	1756	0	4	0	23	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	0	1863	0	1863			
Adj Flow Rate, veh/h	0	702	16	93	1951	0	4	0	3			
Adj No. of Lanes	1	3	0	2	2	0	1	0	1			
Peak Hour Factor	0.92	0.93	0.93	0.90	0.90	0.92	0.96	0.92	0.96			
Percent Heavy Veh, %	2	2	2	2	2	0	2	0	2			
Cap, veh/h	2	4214	96	144	3205	0	12	0	11			
Arrive On Green	0.00	1.00	1.00	0.08	1.00	0.00	0.01	0.00	0.01			
Sat Flow, veh/h	1774	5112	116	3442	3632	0	1774	0	1583			
Grp Volume(v), veh/h	0	465	253	93	1951	0	4	0	3			
Grp Sat Flow(s),veh/h/ln	1774	1695	1838	1721	1770	0	1774	0	1583			
Q Serve(g_s), s	0.0	0.0	0.0	2.9	0.0	0.0	0.3	0.0	0.2			
Cycle Q Clear(g_c), s	0.0	0.0	0.0	2.9	0.0	0.0	0.3	0.0	0.2			
Prop In Lane	1.00		0.06	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	2	2795	1516	144	3205	0	12	0	11			
V/C Ratio(X)	0.00	0.17	0.17	0.64	0.61	0.00	0.32	0.00	0.27			
Avail Cap(c_a), veh/h	105	2795	1516	264	3205	0	469	0	418			
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.69	0.69	0.89	0.89	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	0.0	0.0	50.5	0.0	0.0	55.3	0.0	55.3			
Incr Delay (d2), s/veh	0.0	0.1	0.2	1.6	0.8	0.0	5.5	0.0	4.8			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.1	1.4	0.3	0.0	0.1	0.0	0.1			
LnGrp Delay(d),s/veh	0.0	0.1	0.2	52.1	0.8	0.0	60.8	0.0	60.1			
LnGrp LOS		A	A	D	A		E		E			
Approach Vol, veh/h		718			2044			7				
Approach Delay, s/veh		0.1			3.1			60.5				
Approach LOS		A			A			E				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2			5	6		8
Phs Duration (G+Y+Rc), s	9.1	97.7			0.0	106.8		5.2
Change Period (Y+Rc), s	4.4	5.4			4.4	* 5.4		4.4
Max Green Setting (Gmax), s	8.6	59.6			6.6	* 62		29.6
Max Q Clear Time (g_c+I1), s	4.9	2.0			0.0	2.0		2.3
Green Ext Time (p_c), s	0.0	45.1			0.0	46.4		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	2.5
HCM 2010 LOS	A

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	150		0	410		0	0		0	0		0
Storage Lanes	1		0	2		0	1		1	1		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Ped Bike Factor		1.00		1.00	1.00			0.98	0.98	1.00		
Frt		0.995						0.850	0.850		0.850	
Flt Protected				0.950			0.950			0.950		
Satd. Flow (prot)	1863	5057	0	3433	5085	0	1770	1482	1504	1770	1583	0
Flt Permitted				0.950			0.755			0.749		
Satd. Flow (perm)	1863	5057	0	3430	5085	0	1406	1482	1482	1391	1583	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		6						278	278		151	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1326			818			332			302	
Travel Time (s)		20.1			12.4			9.1			8.2	

Intersection Summary	
Area Type:	Other
Description: mv2000	



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	649	21	159	1839	2	3	0	15	27	0	3
Confl. Peds. (#/hr)			1	1					3	3		
Confl. Bikes (#/hr)			4			6						
Peak Hour Factor	0.93	0.93	0.93	0.92	0.92	0.92	0.64	0.64	0.64	0.75	0.75	0.75
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	698	23	173	1999	2	5	0	23	36	0	4
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	0	721	0	173	2001	0	5	12	11	36	4	0

Intersection Summary
Description: mv2000

Lane Group	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT	ø5
Lane Configurations									
Volume (vph)	649	159	1839	3	0	15	27	0	
Turn Type	NA	Prot	NA	Perm	NA	Perm	Perm	NA	
Protected Phases	2	1	6		8			4	5
Permitted Phases				8		8	4		
Detector Phase	2	1	6	8	8	8	4	4	
Switch Phase									
Minimum Initial (s)	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	30.4	8.4	23.3	20.9	20.9	20.9	34.9	34.9	8.4
Total Split (s)	57.4	17.0	61.9	37.6	37.6	37.6	37.6	37.6	12.5
Total Split (%)	51.3%	15.2%	55.3%	33.6%	33.6%	33.6%	33.6%	33.6%	11%
Yellow Time (s)	4.4	3.4	4.3	3.9	3.9	3.9	3.9	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	5.4	4.4	5.3	4.9	4.9	4.9	4.9	4.9	
Lead/Lag	Lag	Lead	Lag						Lead
Lead-Lag Optimize?	Yes	Yes	Yes						Yes
Recall Mode	C-Min	None	C-Min	None	None	None	None	None	None
Act Effct Green (s)	80.0	10.0	96.7	11.0	11.0	11.0	11.3	11.3	
Actuated g/C Ratio	0.71	0.09	0.86	0.10	0.10	0.10	0.10	0.10	
v/c Ratio	0.20	0.57	0.46	0.04	0.03	0.03	0.26	0.01	
Control Delay	14.5	55.9	4.5	39.0	0.1	0.1	46.6	0.0	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	14.5	55.9	4.5	39.0	0.1	0.1	46.6	0.0	
LOS	B	E	A	D	A	A	D	A	
Approach Delay	14.5		8.6		7.1			42.0	
Approach LOS	B		A		A			D	

Intersection Summary	
Cycle Length: 112	
Actuated Cycle Length: 112	
Offset: 90 (80%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 80	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.57	
Intersection Signal Delay: 10.5	Intersection LOS: B
Intersection Capacity Utilization 59.2%	ICU Level of Service B
Analysis Period (min) 15	
Description: mv2000	

Splits and Phases: 13: Avenida De Las Tiendas & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	649	21	159	1839	2	3	0	15	27	0	3
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	0.98		1.00	0.98		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	0	698	18	173	1999	2	5	0	0	36	0	0
Adj No. of Lanes	1	3	0	2	3	0	1	1	1	1	1	0
Peak Hour Factor	0.93	0.93	0.93	0.92	0.92	0.92	0.64	0.64	0.64	0.75	0.75	0.75
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	2	3812	98	234	4487	4	138	98	84	138	98	0
Arrive On Green	0.00	1.00	1.00	0.07	0.86	0.86	0.05	0.00	0.00	0.05	0.00	0.00
Sat Flow, veh/h	1774	5097	131	3442	5247	5	1388	1863	1583	1388	1863	0
Grp Volume(v), veh/h	0	464	252	173	1292	709	5	0	0	36	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1837	1721	1695	1862	1388	1863	1583	1388	1863	0
Q Serve(g_s), s	0.0	0.0	0.0	5.5	10.0	10.0	0.4	0.0	0.0	2.8	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	5.5	10.0	10.0	0.4	0.0	0.0	2.8	0.0	0.0
Prop In Lane	1.00		0.07	1.00		0.00	1.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	2	2536	1374	234	2899	1592	138	98	84	138	98	0
V/C Ratio(X)	0.00	0.18	0.18	0.74	0.45	0.45	0.04	0.00	0.00	0.26	0.00	0.00
Avail Cap(c_a), veh/h	128	2536	1374	387	2899	1592	469	544	462	469	544	0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.99	0.99	0.51	0.51	0.51	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	51.2	1.9	1.9	50.4	0.0	0.0	51.6	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.3	0.9	0.3	0.5	0.0	0.0	0.0	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.1	0.1	2.6	4.6	5.1	0.1	0.0	0.0	1.1	0.0	0.0
LnGrp Delay(d),s/veh	0.0	0.2	0.3	52.1	2.2	2.4	50.5	0.0	0.0	52.0	0.0	0.0
LnGrp LOS		A	A	D	A	A	D			D		
Approach Vol, veh/h		716			2174			5			36	
Approach Delay, s/veh		0.2			6.2			50.5			52.0	
Approach LOS		A			A			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.0	89.2		10.8	0.0	101.2		10.8
Change Period (Y+Rc), s	4.4	5.4		4.9	4.4	* 5.4		4.9
Max Green Setting (Gmax), s	12.6	52.0		32.7	8.1	* 57		32.7
Max Q Clear Time (g_c+I1), s	7.5	2.0		4.8	0.0	12.0		2.4
Green Ext Time (p_c), s	0.1	38.5		0.0	0.0	35.3		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	5.4
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		100	0		0	0		300	0		260
Storage Lanes	1		1	0		1	0		1	1		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	1.00	0.95	0.95	1.00	0.95	0.95	1.00
Ped Bike Factor			0.98									
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950							0.955		0.950	0.954	
Satd. Flow (prot)	1770	5085	1583	0	5085	1583	0	3380	1583	1681	1688	1583
Flt Permitted	0.950							0.955		0.950	0.954	
Satd. Flow (perm)	1770	5085	1551	0	5085	1583	0	3380	1583	1681	1688	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			173			340			470			95
Link Speed (mph)		45			45			40			40	
Link Distance (ft)		818			1167			458			1120	
Travel Time (s)		12.4			17.7			7.8			19.1	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	52	485	205	0	1394	397	446	33	770	307	6	77
Confl. Peds. (#/hr)			1	1								
Confl. Bikes (#/hr)												
Peak Hour Factor	0.88	0.88	0.88	0.91	0.91	0.91	0.91	0.91	0.91	0.89	0.89	0.89
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	59	551	233	0	1532	436	490	36	846	345	7	87
Shared Lane Traffic (%)										49%		
Lane Group Flow (vph)	59	551	233	0	1532	436	0	526	846	176	176	87

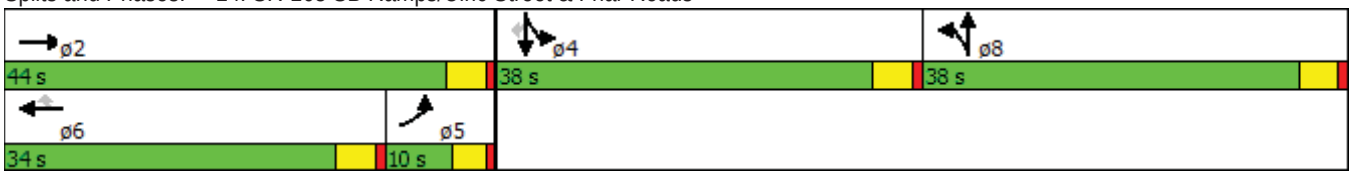
Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	52	485	205	1394	397	33	770	307	6	77
Turn Type	Prot	NA	Free	NA	Perm	NA	Free	Split	NA	Perm
Protected Phases	5	2		6		8		4	4	
Permitted Phases			Free		6		Free			4
Detector Phase	5	2		6	6	8		4	4	4
Switch Phase										
Minimum Initial (s)	2.0	10.0		10.0	10.0	4.0		4.0	4.0	4.0
Minimum Split (s)	8.0	22.5		20.0	20.0	20.0		37.5	37.5	37.5
Total Split (s)	10.0	44.0		34.0	34.0	38.0		38.0	38.0	38.0
Total Split (%)	8.3%	36.7%		28.3%	28.3%	31.7%		31.7%	31.7%	31.7%
Yellow Time (s)	3.0	3.5		3.5	3.5	3.5		3.5	3.5	3.5
All-Red Time (s)	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	4.0	4.5		4.5	4.5	4.5		4.5	4.5	4.5
Lead/Lag	Lag			Lead	Lead					
Lead-Lag Optimize?	Yes			Yes	Yes					
Recall Mode	None	Min		Min	Min	None		None	None	None
Act Effct Green (s)	5.9	37.8	82.6	30.2	30.2	17.4	82.6	13.5	13.5	13.5
Actuated g/C Ratio	0.07	0.46	1.00	0.37	0.37	0.21	1.00	0.16	0.16	0.16
v/c Ratio	0.47	0.24	0.15	0.82	0.55	1.31dl	0.53	0.64	0.64	0.26
Control Delay	54.2	15.3	0.2	31.0	9.3	38.0	1.3	45.0	44.8	8.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	54.2	15.3	0.2	31.0	9.3	38.0	1.3	45.0	44.8	8.4
LOS	D	B	A	C	A	D	A	D	D	A
Approach Delay		13.8		26.2		15.4			37.7	
Approach LOS		B		C		B			D	

Intersection Summary	
Cycle Length: 120	
Actuated Cycle Length: 82.6	
Natural Cycle: 100	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.82	
Intersection Signal Delay: 21.8	Intersection LOS: C
Intersection Capacity Utilization 72.5%	ICU Level of Service C
Analysis Period (min) 15	

dl Defacto Left Lane. Recode with 1 though lane as a left lane.

Splits and Phases: 14: SR-163 SB Ramps/Ulric Street & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	52	485	205	0	1394	397	446	33	770	307	6	77
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	0	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	59	551	0	0	1532	101	490	36	0	350	0	3
Adj No. of Lanes	1	3	1	0	3	1	0	2	1	2	0	1
Peak Hour Factor	0.88	0.88	0.88	0.91	0.91	0.91	0.91	0.91	0.91	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	0	2	2	2	2	2	2	2	2
Cap, veh/h	82	2146	668	0	1657	516	537	536	480	443	0	198
Arrive On Green	0.05	0.42	0.00	0.00	0.33	0.33	0.30	0.30	0.00	0.12	0.00	0.12
Sat Flow, veh/h	1774	5085	1583	0	5253	1583	1774	1770	1583	3548	0	1583
Grp Volume(v), veh/h	59	551	0	0	1532	101	490	36	0	350	0	3
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	0	1695	1583	1774	1770	1583	1774	0	1583
Q Serve(g_s), s	2.9	6.3	0.0	0.0	26.1	4.1	23.9	1.3	0.0	8.6	0.0	0.1
Cycle Q Clear(g_c), s	2.9	6.3	0.0	0.0	26.1	4.1	23.9	1.3	0.0	8.6	0.0	0.1
Prop In Lane	1.00		1.00	0.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	82	2146	668	0	1657	516	537	536	480	443	0	198
V/C Ratio(X)	0.72	0.26	0.00	0.00	0.92	0.20	0.91	0.07	0.00	0.79	0.00	0.02
Avail Cap(c_a), veh/h	119	2237	696	0	1670	520	662	660	591	1323	0	591
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	42.3	16.8	0.0	0.0	29.2	21.8	30.2	22.3	0.0	38.2	0.0	34.5
Incr Delay (d2), s/veh	4.5	0.1	0.0	0.0	9.1	0.2	13.5	0.0	0.0	1.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	3.0	0.0	0.0	13.6	1.8	13.7	0.6	0.0	4.3	0.0	0.1
LnGrp Delay(d),s/veh	46.8	16.9	0.0	0.0	38.3	22.0	43.7	22.3	0.0	39.4	0.0	34.5
LnGrp LOS	D	B			D	C	D	C		D		C
Approach Vol, veh/h		610			1633			526			353	
Approach Delay, s/veh		19.8			37.3			42.2			39.3	
Approach LOS		B			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		42.4		15.7	8.6	33.8		31.7
Change Period (Y+Rc), s		4.5		4.5	4.5	* 4.5		4.5
Max Green Setting (Gmax), s		39.5		33.5	6.0	* 30		33.5
Max Q Clear Time (g_c+I1), s		8.3		10.6	4.9	28.1		25.9
Green Ext Time (p_c), s		3.9		0.6	0.4	1.2		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	35.0
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	260			0	0	0
Storage Lanes	1			1	0	0
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	0.91	0.95	1.00	1.00	1.00
Ped Bike Factor						
Frt				0.850		
Flt Protected	0.950					
Satd. Flow (prot)	1770	5085	3539	1583	0	0
Flt Permitted	0.950					
Satd. Flow (perm)	1770	5085	3539	1583	0	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				428		
Link Speed (mph)		45	45		45	
Link Distance (ft)		1167	746		946	
Travel Time (s)		17.7	11.3		14.3	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	399	1166	1488	703	0	0
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.92	0.92	0.95	0.95	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	434	1267	1566	740	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	434	1267	1566	740	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR
Lane Configurations				
Volume (vph)	399	1166	1488	703
Turn Type	Prot	NA	NA	Free
Protected Phases	5	2	6	
Permitted Phases				Free
Detector Phase	5	2	6	
Switch Phase				
Minimum Initial (s)	5.0	12.0	12.0	
Minimum Split (s)	10.0	22.0	22.0	
Total Split (s)	29.0	83.0	54.0	
Total Split (%)	34.9%	100.0%	65.1%	
Yellow Time (s)	4.0	5.0	5.0	
All-Red Time (s)	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	
Total Lost Time (s)	5.0	6.0	6.0	
Lead/Lag	Lead		Lag	
Lead-Lag Optimize?	Yes		Yes	
Recall Mode	None	Min	Min	
Act Effct Green (s)	20.5	68.9	37.0	68.9
Actuated g/C Ratio	0.30	1.00	0.54	1.00
v/c Ratio	0.83	0.25	0.83	0.47
Control Delay	39.3	0.1	17.8	1.0
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	39.3	0.1	17.8	1.0
LOS	D	A	B	A
Approach Delay		10.1	12.4	
Approach LOS		B	B	

Intersection Summary	
Cycle Length: 83	
Actuated Cycle Length: 68.9	
Natural Cycle: 60	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 11.5	Intersection LOS: B
Intersection Capacity Utilization 72.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 15: Friar Roads & SR-163 NB Ramps





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	399	1166	1488	703	0	0
Number	5	2	6	16		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00			1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863		
Adj Flow Rate, veh/h	434	1267	1566	0		
Adj No. of Lanes	1	3	2	1		
Peak Hour Factor	0.92	0.92	0.95	0.95		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	479	4654	2035	910		
Arrive On Green	0.27	0.92	0.57	0.00		
Sat Flow, veh/h	1774	5253	3632	1583		
Grp Volume(v), veh/h	434	1267	1566	0		
Grp Sat Flow(s),veh/h/ln	1774	1695	1770	1583		
Q Serve(g_s), s	16.8	2.0	23.9	0.0		
Cycle Q Clear(g_c), s	16.8	2.0	23.9	0.0		
Prop In Lane	1.00			1.00		
Lane Grp Cap(c), veh/h	479	4654	2035	910		
V/C Ratio(X)	0.91	0.27	0.77	0.00		
Avail Cap(c_a), veh/h	601	5529	2399	1073		
HCM Platoon Ratio	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	0.00		
Uniform Delay (d), s/veh	25.0	0.3	11.5	0.0		
Incr Delay (d2), s/veh	13.5	0.0	1.1	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	10.0	0.8	11.8	0.0		
LnGrp Delay(d),s/veh	38.5	0.4	12.5	0.0		
LnGrp LOS	D	A	B			
Approach Vol, veh/h		1701	1566			
Approach Delay, s/veh		10.1	12.5			
Approach LOS		B	B			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		
Phs Duration (G+Y+Rc), s		70.8			24.1	46.7		
Change Period (Y+Rc), s		6.0			5.0	6.0		
Max Green Setting (Gmax), s		77.0			24.0	48.0		
Max Q Clear Time (g_c+I1), s		4.0			18.8	25.9		
Green Ext Time (p_c), s		26.2			0.4	14.8		

Intersection Summary	
HCM 2010 Ctrl Delay	11.3
HCM 2010 LOS	B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	200		0	130		0	200		0	140		0
Storage Lanes	2		1	1		1	2		0	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	0.95	0.97	1.00	1.00
Ped Bike Factor	1.00		0.97	1.00		0.97	0.89					0.96
Frt			0.850			0.850		0.967				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3422	0	3433	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3431	5085	1539	1765	5085	1540	3071	3422	0	3433	1863	1520
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			474			147		27				299
Link Speed (mph)		45			50			25			25	
Link Distance (ft)		746			633			685			884	
Travel Time (s)		11.3			8.6			18.7			24.1	

Intersection Summary	
Area Type:	Other



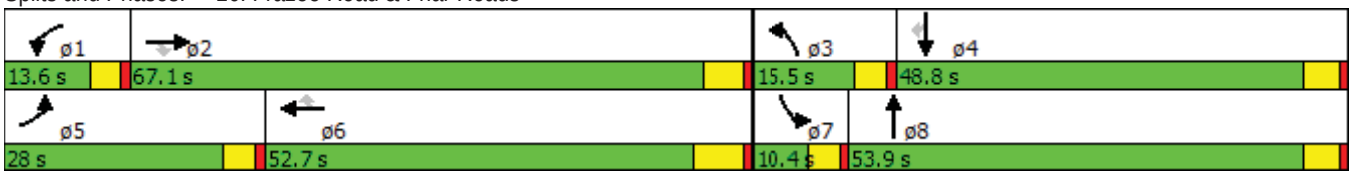
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	632	851	460	43	1729	42	137	106	30	29	43	263
Confl. Peds. (#/hr)	3		3	3		3	29					29
Confl. Bikes (#/hr)												
Peak Hour Factor	0.97	0.97	0.97	0.98	0.98	0.98	0.96	0.96	0.96	0.80	0.80	0.80
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	652	877	474	44	1764	43	143	110	31	36	54	329
Shared Lane Traffic (%)												
Lane Group Flow (vph)	652	877	474	44	1764	43	143	141	0	36	54	329

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	632	851	460	43	1729	42	137	106	29	43	263
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Prot	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases			2			6					4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	10.0	10.0	4.0	10.0	10.0	6.0	7.0	6.0	7.0	7.0
Minimum Split (s)	10.4	32.5	32.5	8.4	35.5	35.5	10.4	53.9	10.4	20.0	20.0
Total Split (s)	28.0	67.1	67.1	13.6	52.7	52.7	15.5	53.9	10.4	48.8	48.8
Total Split (%)	19.3%	46.3%	46.3%	9.4%	36.3%	36.3%	10.7%	37.2%	7.2%	33.7%	33.7%
Yellow Time (s)	3.4	4.5	4.5	3.4	5.5	5.5	3.4	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.5	5.5	4.4	6.5	6.5	4.4	4.9	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	Min	Min
Act Effct Green (s)	24.2	67.6	67.6	7.3	47.4	47.4	9.4	35.3	6.2	26.9	26.9
Actuated g/C Ratio	0.19	0.53	0.53	0.06	0.37	0.37	0.07	0.27	0.05	0.21	0.21
v/c Ratio	1.01	0.33	0.46	0.44	0.94	0.07	0.57	0.15	0.22	0.14	0.59
Control Delay	90.4	22.3	3.7	77.7	52.1	0.2	70.2	27.4	68.7	38.7	10.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	90.4	22.3	3.7	77.7	52.1	0.2	70.2	27.4	68.7	38.7	10.7
LOS	F	C	A	E	D	A	E	C	E	D	B
Approach Delay		40.1			51.5			48.9		19.3	
Approach LOS		D			D			D		B	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 128.7	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.01	
Intersection Signal Delay: 43.4	Intersection LOS: D
Intersection Capacity Utilization 77.0%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 16: Frazee Road & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	632	851	460	43	1729	42	137	106	30	29	43	263
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	652	877	190	44	1764	0	143	110	10	36	54	67
Adj No. of Lanes	2	3	1	1	3	1	2	2	0	2	1	1
Peak Hour Factor	0.97	0.97	0.97	0.98	0.98	0.98	0.96	0.96	0.96	0.80	0.80	0.80
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	702	2843	883	56	1968	613	201	647	58	123	326	263
Arrive On Green	0.20	0.56	0.56	0.03	0.39	0.00	0.06	0.20	0.20	0.04	0.17	0.17
Sat Flow, veh/h	3442	5085	1579	1774	5085	1583	3442	3272	293	3442	1863	1505
Grp Volume(v), veh/h	652	877	190	44	1764	0	143	59	61	36	54	67
Grp Sat Flow(s),veh/h/ln	1721	1695	1579	1774	1695	1583	1721	1770	1795	1721	1863	1505
Q Serve(g_s), s	21.4	10.6	6.9	2.8	37.4	0.0	4.7	3.2	3.3	1.2	2.8	4.4
Cycle Q Clear(g_c), s	21.4	10.6	6.9	2.8	37.4	0.0	4.7	3.2	3.3	1.2	2.8	4.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.16	1.00		1.00
Lane Grp Cap(c), veh/h	702	2843	883	56	1968	613	201	350	355	123	326	263
V/C Ratio(X)	0.93	0.31	0.22	0.78	0.90	0.00	0.71	0.17	0.17	0.29	0.17	0.25
Avail Cap(c_a), veh/h	707	2843	883	142	2045	637	332	755	766	180	712	575
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	44.9	13.5	12.7	55.2	33.1	0.0	53.1	38.3	38.3	54.0	40.3	40.9
Incr Delay (d2), s/veh	18.3	0.1	0.2	8.4	5.8	0.0	2.5	0.1	0.1	0.7	0.1	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.9	5.0	3.0	1.5	18.5	0.0	2.3	1.6	1.6	0.6	1.5	1.9
LnGrp Delay(d),s/veh	63.2	13.6	12.9	63.6	38.8	0.0	55.6	38.3	38.4	54.7	40.4	41.3
LnGrp LOS	E	B	B	E	D		E	D	D	D	D	D
Approach Vol, veh/h		1719			1808			263			157	
Approach Delay, s/veh		32.3			39.4			47.8			44.1	
Approach LOS		C			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.1	70.7	11.1	25.0	27.8	51.0	8.5	27.6
Change Period (Y+Rc), s	4.4	* 6.5	4.4	4.9	4.4	6.5	4.4	4.9
Max Green Setting (Gmax), s	9.2	* 62	11.1	43.9	23.6	46.2	6.0	49.0
Max Q Clear Time (g_c+I1), s	4.8	12.6	6.7	6.4	23.4	39.4	3.2	5.3
Green Ext Time (p_c), s	0.0	42.2	0.1	0.9	0.0	5.1	0.0	0.9

Intersection Summary	
HCM 2010 Ctrl Delay	37.1
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	370		370	0		0	0		0
Storage Lanes	0		0	1		1	2		0	0		1
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00	0.97	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor				1.00	1.00		1.00					0.98
Frt						0.850						0.850
Flt Protected				0.950	0.950		0.950					
Satd. Flow (prot)	0	0	0	1681	1681	1583	3433	3539	0	0	3539	1583
Flt Permitted				0.950	0.950		0.950					
Satd. Flow (perm)	0	0	0	1678	1678	1583	3427	3539	0	0	3539	1547
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						332						281
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		844			939			398			342	
Travel Time (s)		19.2			21.3			6.8			5.8	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	147	0	329	142	466	0	0	363	267
Confl. Peds. (#/hr)			2	2			1		2	2		1
Confl. Bikes (#/hr)												
Peak Hour Factor	0.25	0.25	0.25	0.98	0.98	0.98	0.94	0.94	0.94	0.95	0.95	0.95
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	150	0	336	151	496	0	0	382	281
Shared Lane Traffic (%)				50%								
Lane Group Flow (vph)	0	0	0	75	75	336	151	496	0	0	382	281

Intersection Summary

Lane Group	WBL	WBT	WBR	NBL	NBT	SBT	SBR
Lane Configurations							
Volume (vph)	147	0	329	142	466	363	267
Turn Type	Perm	NA	Perm	Prot	NA	NA	Perm
Protected Phases		8		5	2	6	
Permitted Phases	8		8				6
Detector Phase	8	8	8	5	2	6	6
Switch Phase							
Minimum Initial (s)	6.0	6.0	6.0	4.0	10.0	10.0	10.0
Minimum Split (s)	33.9	33.9	33.9	8.4	24.0	24.0	24.0
Total Split (s)	35.9	35.9	35.9	19.5	54.1	34.6	34.6
Total Split (%)	39.9%	39.9%	39.9%	21.7%	60.1%	38.4%	38.4%
Yellow Time (s)	3.9	3.9	3.9	3.4	4.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.4	5.0	6.0	6.0
Lead/Lag				Lead		Lag	Lag
Lead-Lag Optimize?				Yes		Yes	Yes
Recall Mode	None	None	None	None	C-Min	C-Min	C-Min
Act Effct Green (s)	13.0	13.0	13.0	9.3	67.1	52.4	52.4
Actuated g/C Ratio	0.14	0.14	0.14	0.10	0.75	0.58	0.58
v/c Ratio	0.31	0.31	0.65	0.43	0.19	0.19	0.28
Control Delay	34.7	34.7	10.0	49.4	1.9	17.3	10.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Total Delay	34.7	34.7	10.0	49.4	1.9	17.3	10.8
LOS	C	C	B	D	A	B	B
Approach Delay		17.6			13.0	14.6	
Approach LOS		B			B	B	

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 90	
Offset: 2 (2%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 70	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.65	
Intersection Signal Delay: 14.8	Intersection LOS: B
Intersection Capacity Utilization 44.5%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 17: Mission Center Road & Friar WB



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	147	0	329	142	466	0	0	363	267
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				150	0	112	151	496	0	0	382	81
Adj No. of Lanes				2	0	1	2	2	0	0	2	1
Peak Hour Factor				0.98	0.98	0.98	0.94	0.94	0.94	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				375	0	166	226	2737	0	0	2332	1042
Arrive On Green				0.11	0.00	0.11	0.13	1.00	0.00	0.00	1.00	1.00
Sat Flow, veh/h				3548	0	1574	3442	3632	0	0	3632	1582
Grp Volume(v), veh/h				150	0	112	151	496	0	0	382	81
Grp Sat Flow(s),veh/h/ln				1774	0	1574	1721	1770	0	0	1770	1582
Q Serve(g_s), s				3.6	0.0	6.2	3.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s				3.6	0.0	6.2	3.8	0.0	0.0	0.0	0.0	0.0
Prop In Lane				1.00		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				375	0	166	226	2737	0	0	2332	1042
V/C Ratio(X)				0.40	0.00	0.67	0.67	0.18	0.00	0.00	0.16	0.08
Avail Cap(c_a), veh/h				1222	0	542	577	2737	0	0	2332	1042
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00
Upstream Filter(I)				1.00	0.00	1.00	0.95	0.95	0.00	0.00	0.91	0.91
Uniform Delay (d), s/veh				37.6	0.0	38.8	38.2	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh				0.7	0.0	4.7	3.2	0.1	0.0	0.0	0.1	0.1
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.8	0.0	2.9	1.9	0.1	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh				38.3	0.0	43.4	41.4	0.1	0.0	0.0	0.1	0.1
LnGrp LOS				D		D	D	A			A	A
Approach Vol, veh/h					262			647			463	
Approach Delay, s/veh					40.5			9.8			0.1	
Approach LOS					D			A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		75.6			10.3	65.3		14.4
Change Period (Y+Rc), s		* 6			4.4	6.0		4.9
Max Green Setting (Gmax), s		* 49			15.1	28.6		31.0
Max Q Clear Time (g_c+I1), s		2.0			5.8	2.0		8.2
Green Ext Time (p_c), s		13.7			0.3	11.1		0.8

Intersection Summary	
HCM 2010 Ctrl Delay	12.4
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		100	0		0	0		0	120		0
Storage Lanes	1		1	0		0	0		1	2		0
Taper Length (ft)	25			0			0			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor									0.97	1.00		
Frt			0.850						0.850			
Flt Protected	0.950									0.950		
Satd. Flow (prot)	1770	1863	1583	0	0	0	0	3539	1583	3433	3539	0
Flt Permitted	0.950									0.950		
Satd. Flow (perm)	1770	1863	1583	0	0	0	0	3539	1541	3420	3539	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			216						80			
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		654			949			247			398	
Travel Time (s)		14.9			21.6			4.2			6.8	

Intersection Summary	
Area Type:	Other



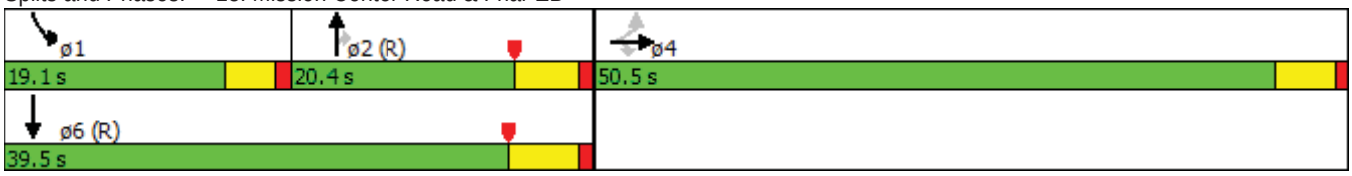
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	155	3	173	0	0	0	0	425	78	122	381	0
Confl. Peds. (#/hr)									3	3		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.80	0.80	0.80	0.25	0.25	0.25	0.97	0.97	0.97	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	194	4	216	0	0	0	0	438	80	133	414	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	194	4	216	0	0	0	0	438	80	133	414	0

Intersection Summary

Lane Group	EBL	EBT	EBR	NBT	NBR	SBL	SBT
Lane Configurations							
Volume (vph)	155	3	173	425	78	122	381
Turn Type	Perm	NA	Perm	NA	Perm	Prot	NA
Protected Phases		4		2		1	6
Permitted Phases	4		4		2		
Detector Phase	4	4	4	2	2	1	6
Switch Phase							
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	4.0	10.0
Minimum Split (s)	20.9	20.9	20.9	24.3	24.3	15.1	25.8
Total Split (s)	50.5	50.5	50.5	20.4	20.4	19.1	39.5
Total Split (%)	56.1%	56.1%	56.1%	22.7%	22.7%	21.2%	43.9%
Yellow Time (s)	3.9	3.9	3.9	4.3	4.3	3.4	4.8
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	5.3	5.3	4.4	5.8
Lead/Lag				Lag	Lag	Lead	
Lead-Lag Optimize?				Yes	Yes	Yes	
Recall Mode	None	None	None	C-Min	C-Min	None	C-Min
Act Effct Green (s)	16.1	16.1	16.1	51.4	51.4	7.9	63.2
Actuated g/C Ratio	0.18	0.18	0.18	0.57	0.57	0.09	0.70
v/c Ratio	0.61	0.01	0.47	0.22	0.09	0.44	0.17
Control Delay	41.7	27.0	7.7	16.7	9.8	42.8	2.9
Queue Delay	0.0	0.0	0.0	0.9	0.0	0.0	0.0
Total Delay	41.7	27.0	7.7	17.6	9.8	42.8	2.9
LOS	D	C	A	B	A	D	A
Approach Delay		23.8		16.4			12.6
Approach LOS		C		B			B

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 90	
Offset: 6 (7%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 65	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.61	
Intersection Signal Delay: 17.1	Intersection LOS: B
Intersection Capacity Utilization 44.5%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 18: Mission Center Road & Friar EB



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	155	3	173	0	0	0	0	425	78	122	381	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	194	4	85				0	438	13	133	414	0
Adj No. of Lanes	1	1	1				0	2	1	2	2	0
Peak Hour Factor	0.80	0.80	0.80				0.97	0.97	0.97	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	244	257	218				0	2248	1003	204	2631	0
Arrive On Green	0.14	0.14	0.14				0.00	0.21	0.21	0.06	0.74	0.00
Sat Flow, veh/h	1774	1863	1583				0	3632	1580	3442	3632	0
Grp Volume(v), veh/h	194	4	85				0	438	13	133	414	0
Grp Sat Flow(s),veh/h/ln	1774	1863	1583				0	1770	1580	1721	1770	0
Q Serve(g_s), s	9.5	0.2	4.4				0.0	9.2	0.6	3.4	3.1	0.0
Cycle Q Clear(g_c), s	9.5	0.2	4.4				0.0	9.2	0.6	3.4	3.1	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	244	257	218				0	2248	1003	204	2631	0
V/C Ratio(X)	0.79	0.02	0.39				0.00	0.19	0.01	0.65	0.16	0.00
Avail Cap(c_a), veh/h	899	944	802				0	2248	1003	562	2631	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00				0.00	0.99	0.99	0.99	0.99	0.00
Uniform Delay (d), s/veh	37.6	33.5	35.4				0.0	16.6	13.2	41.4	3.4	0.0
Incr Delay (d2), s/veh	5.8	0.0	1.1				0.0	0.2	0.0	1.3	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	0.1	2.0				0.0	4.6	0.3	1.7	1.5	0.0
LnGrp Delay(d),s/veh	43.3	33.6	36.5				0.0	16.8	13.2	42.7	3.5	0.0
LnGrp LOS	D	C	D					B	B	D	A	
Approach Vol, veh/h		283						451			547	
Approach Delay, s/veh		41.1						16.7			13.0	
Approach LOS		D						B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	9.7	63.0		17.3		72.7		
Change Period (Y+Rc), s	4.4	* 5.8		4.9		5.8		
Max Green Setting (Gmax), s	14.7	* 15		45.6		33.7		
Max Q Clear Time (g_c+I1), s	5.4	11.2		11.5		5.1		
Green Ext Time (p_c), s	0.1	2.2		0.9		7.8		

Intersection Summary	
HCM 2010 Ctrl Delay	20.5
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	320		0	0		0	0		0
Storage Lanes	0		0	1		0	1		0	0		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt					0.995						0.994	
Flt Protected				0.950	0.954		0.950					
Satd. Flow (prot)	0	0	0	1681	1680	0	1770	1863	0	0	1852	0
Flt Permitted				0.950	0.954		0.950					
Satd. Flow (perm)	0	0	0	1681	1680	0	1770	1863	0	0	1852	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					3						1	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		411			696			308			522	
Travel Time (s)		9.3			15.8			4.7			7.9	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	182	1	3	470	8	0	0	20	1
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.25	0.25	0.25	0.82	0.82	0.82	0.93	0.93	0.93	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	222	1	4	505	9	0	0	23	1
Shared Lane Traffic (%)				49%								
Lane Group Flow (vph)	0	0	0	113	114	0	505	9	0	0	24	0

Intersection Summary

Lane Group	WBL	WBT	NBL	NBT	SBT
Lane Configurations					
Volume (vph)	182	1	470	8	20
Turn Type	Perm	NA	Prot	NA	NA
Protected Phases		8	5	2	6
Permitted Phases	8				
Detector Phase	8	8	5	2	6
Switch Phase					
Minimum Initial (s)	4.0	4.0	4.0	10.0	10.0
Minimum Split (s)	32.9	32.9	8.9	23.1	20.9
Total Split (s)	32.9	32.9	26.0	47.1	21.1
Total Split (%)	41.1%	41.1%	32.5%	58.9%	26.4%
Yellow Time (s)	3.9	3.9	3.9	4.1	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	5.1	4.9
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	Min	None	None
Act Effct Green (s)	7.6	7.6	25.7	17.2	10.2
Actuated g/C Ratio	0.18	0.18	0.60	0.40	0.24
v/c Ratio	0.38	0.38	0.47	0.01	0.05
Control Delay	20.0	19.7	11.5	7.2	15.6
Queue Delay	0.0	0.0	0.1	0.0	0.0
Total Delay	20.0	19.7	11.7	7.2	15.6
LOS	C	B	B	A	B
Approach Delay		19.9		11.6	15.6
Approach LOS		B		B	B

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 42.5	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.47	
Intersection Signal Delay: 14.2	Intersection LOS: B
Intersection Capacity Utilization 41.2%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 19: Qualcomm Way & WB Friar





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	182	1	3	470	8	0	0	20	1
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1900	1863	1863	0	0	1863	1900
Adj Flow Rate, veh/h				226	0	0	505	9	0	0	23	1
Adj No. of Lanes				2	1	0	1	1	0	0	1	0
Peak Hour Factor				0.82	0.82	0.82	0.93	0.93	0.93	0.88	0.88	0.88
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				414	217	0	644	1070	0	0	106	5
Arrive On Green				0.12	0.00	0.00	0.36	0.57	0.00	0.00	0.06	0.06
Sat Flow, veh/h				3548	1863	0	1774	1863	0	0	1772	77
Grp Volume(v), veh/h				226	0	0	505	9	0	0	0	24
Grp Sat Flow(s),veh/h/ln				1774	1863	0	1774	1863	0	0	0	1849
Q Serve(g_s), s				1.9	0.0	0.0	8.2	0.1	0.0	0.0	0.0	0.4
Cycle Q Clear(g_c), s				1.9	0.0	0.0	8.2	0.1	0.0	0.0	0.0	0.4
Prop In Lane				1.00		0.00	1.00		0.00	0.00		0.04
Lane Grp Cap(c), veh/h				414	217	0	644	1070	0	0	0	111
V/C Ratio(X)				0.55	0.00	0.00	0.78	0.01	0.00	0.00	0.00	0.22
Avail Cap(c_a), veh/h				3070	1612	0	1157	2418	0	0	0	926
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00
Uniform Delay (d), s/veh				13.5	0.0	0.0	9.2	2.9	0.0	0.0	0.0	14.5
Incr Delay (d2), s/veh				0.4	0.0	0.0	2.5	0.0	0.0	0.0	0.0	1.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.2
LnGrp Delay(d),s/veh				13.9	0.0	0.0	11.7	2.9	0.0	0.0	0.0	15.5
LnGrp LOS				B			B	A				B
Approach Vol, veh/h					226			514			24	
Approach Delay, s/veh					13.9			11.5			15.5	
Approach LOS					B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		23.7			16.6	7.0		8.7
Change Period (Y+Rc), s		5.1			4.9	* 5.1		4.9
Max Green Setting (Gmax), s		42.0			21.1	* 16		28.0
Max Q Clear Time (g_c+I1), s		2.1			10.2	2.4		3.9
Green Ext Time (p_c), s		0.1			1.5	0.1		0.4

Intersection Summary	
HCM 2010 Ctrl Delay	12.4
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		360	0		0	0		0	0		0
Storage Lanes	0		1	0		0	0		1	1		0
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor												
Frt			0.850						0.850			
Flt Protected		0.950								0.950		
Satd. Flow (prot)	0	1770	1583	0	0	0	0	3539	1583	1770	3539	0
Flt Permitted		0.950								0.950		
Satd. Flow (perm)	0	1770	1583	0	0	0	0	3539	1583	1770	3539	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			137						205			
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		366			590			785			308	
Travel Time (s)		8.3			13.4			11.9			4.7	

Intersection Summary	
Area Type:	Other



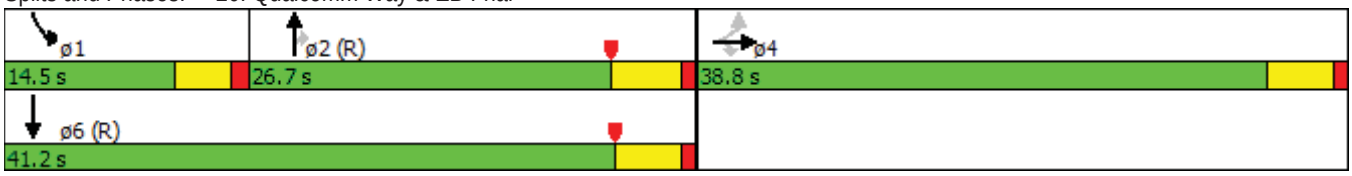
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	50	0	118	0	0	0	0	425	187	4	188	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.86	0.86	0.86	0.25	0.25	0.25	0.91	0.91	0.91	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	58	0	137	0	0	0	0	467	205	4	207	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	58	137	0	0	0	0	467	205	4	207	0

Intersection Summary

Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	0	118	425	187	4	188
Turn Type	NA	Perm	NA	Perm	Prot	NA
Protected Phases	4		2		1	6
Permitted Phases		4		2		
Detector Phase	4	4	2	2	1	6
Switch Phase						
Minimum Initial (s)	4.0	4.0	10.0	10.0	4.0	10.0
Minimum Split (s)	38.9	38.9	15.1	15.1	8.4	20.9
Total Split (s)	38.8	38.8	26.7	26.7	14.5	41.2
Total Split (%)	48.5%	48.5%	33.4%	33.4%	18.1%	51.5%
Yellow Time (s)	3.9	3.9	4.1	4.1	3.4	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	5.1	5.1	4.4	4.9
Lead/Lag			Lag	Lag	Lead	
Lead-Lag Optimize?			Yes	Yes	Yes	
Recall Mode	None	None	C-Min	C-Min	None	C-Min
Act Effct Green (s)	7.1	7.1	60.9	60.9	4.8	63.1
Actuated g/C Ratio	0.09	0.09	0.76	0.76	0.06	0.79
v/c Ratio	0.37	0.52	0.17	0.16	0.04	0.07
Control Delay	40.2	13.9	3.5	1.1	36.0	2.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	40.2	13.9	3.5	1.1	36.0	2.2
LOS	D	B	A	A	D	A
Approach Delay	21.7		2.8			2.8
Approach LOS	C		A			A

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 80	
Offset: 4 (5%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 65	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.52	
Intersection Signal Delay: 6.2	Intersection LOS: A
Intersection Capacity Utilization 41.2%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 20: Qualcomm Way & EB Friar



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	50	0	118	0	0	0	0	425	187	4	188	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	58	0	44				0	467	40	4	207	0
Adj No. of Lanes	0	1	1				0	2	1	1	2	0
Peak Hour Factor	0.86	0.86	0.86				0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	96	0	85				0	2696	1206	8	2906	0
Arrive On Green	0.05	0.00	0.05				0.00	0.76	0.76	0.00	0.82	0.00
Sat Flow, veh/h	1774	0	1583				0	3632	1583	1774	3632	0
Grp Volume(v), veh/h	58	0	44				0	467	40	4	207	0
Grp Sat Flow(s),veh/h/ln	1774	0	1583				0	1770	1583	1774	1770	0
Q Serve(g_s), s	2.6	0.0	2.2				0.0	2.9	0.5	0.2	0.9	0.0
Cycle Q Clear(g_c), s	2.6	0.0	2.2				0.0	2.9	0.5	0.2	0.9	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	96	0	85				0	2696	1206	8	2906	0
V/C Ratio(X)	0.61	0.00	0.52				0.00	0.17	0.03	0.53	0.07	0.00
Avail Cap(c_a), veh/h	752	0	671				0	2696	1206	224	2906	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.96	0.96	0.96	0.96	0.00
Uniform Delay (d), s/veh	37.0	0.0	36.8				0.0	2.6	2.3	39.8	1.4	0.0
Incr Delay (d2), s/veh	2.3	0.0	1.8				0.0	0.1	0.0	19.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.0	1.0				0.0	1.4	0.2	0.1	0.4	0.0
LnGrp Delay(d),s/veh	39.3	0.0	38.6				0.0	2.7	2.4	58.7	1.4	0.0
LnGrp LOS	D		D					A	A	E	A	
Approach Vol, veh/h		102						507			211	
Approach Delay, s/veh		39.0						2.7			2.5	
Approach LOS		D						A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	4.7	66.0		9.2		70.8		
Change Period (Y+Rc), s	4.4	5.1		4.9		* 5.1		
Max Green Setting (Gmax), s	10.1	21.6		33.9		* 36		
Max Q Clear Time (g_c+I1), s	2.2	4.9		4.6		2.9		
Green Ext Time (p_c), s	0.0	3.8		0.3		4.5		

Intersection Summary	
HCM 2010 Ctrl Delay	7.2
HCM 2010 LOS	A

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	220		0	240		0	0		60	0		0
Storage Lanes	1		1	1		0	0		1	0		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00		0.98	1.00	1.00			0.99	0.98		0.98	
Frt			0.850		0.983				0.850		0.921	
Flt Protected	0.950			0.950				0.965			0.988	
Satd. Flow (prot)	1770	5085	1583	1770	4985	0	0	1798	1583	0	1670	0
Flt Permitted	0.950			0.950				0.762			0.917	
Satd. Flow (perm)	1769	5085	1546	1767	4985	0	0	1406	1553	0	1548	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			146		30				164		21	
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1866			1172			844			533	
Travel Time (s)		25.4			16.0			23.0			14.5	

Intersection Summary	
Area Type:	Other



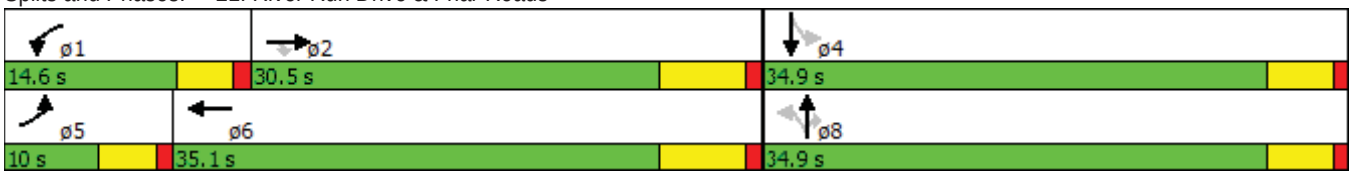
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	83	645	38	148	1430	178	127	47	65	6	4	14
Confl. Peds. (#/hr)	2		2	2		2	17		9	9		17
Confl. Bikes (#/hr)												
Peak Hour Factor	0.90	0.90	0.90	0.95	0.95	0.95	0.91	0.91	0.91	0.67	0.67	0.67
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	92	717	42	156	1505	187	140	52	71	9	6	21
Shared Lane Traffic (%)												
Lane Group Flow (vph)	92	717	42	156	1692	0	0	192	71	0	36	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations										
Volume (vph)	83	645	38	148	1430	127	47	65	6	4
Turn Type	Prot	NA	Perm	Prot	NA	Perm	NA	Perm	Perm	NA
Protected Phases	5	2		1	6		8			4
Permitted Phases			2			8		8	4	
Detector Phase	5	2	2	1	6	8	8	8	4	4
Switch Phase										
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	27.2	27.2	8.4	24.2	34.9	34.9	34.9	34.9	34.9
Total Split (s)	10.0	30.5	30.5	14.6	35.1	34.9	34.9	34.9	34.9	34.9
Total Split (%)	12.5%	38.1%	38.1%	18.3%	43.9%	43.6%	43.6%	43.6%	43.6%	43.6%
Yellow Time (s)	3.4	5.2	5.2	3.4	5.2	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Lost Time (s)	4.4	6.2	6.2	4.4	6.2		4.9	4.9		4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes					
Recall Mode	None	Min	Min	None	Min	None	None	None	None	None
Act Effct Green (s)	5.8	22.4	22.4	9.1	28.6		14.7	14.7		14.7
Actuated g/C Ratio	0.09	0.36	0.36	0.15	0.46		0.24	0.24		0.24
v/c Ratio	0.56	0.39	0.06	0.60	0.73		0.58	0.14		0.09
Control Delay	47.4	16.8	0.2	40.0	18.5		29.0	0.6		11.4
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Delay	47.4	16.8	0.2	40.0	18.5		29.0	0.6		11.4
LOS	D	B	A	D	B		C	A		B
Approach Delay		19.3			20.3		21.3			11.4
Approach LOS		B			C		C			B

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 62.4	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.73	
Intersection Signal Delay: 20.0	Intersection LOS: C
Intersection Capacity Utilization 67.6%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 21: River Run Drive & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	83	645	38	148	1430	178	127	47	65	6	4	14
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	0.98		1.00	0.98		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	92	717	0	156	1505	166	140	52	0	9	6	0
Adj No. of Lanes	1	3	1	1	3	0	0	1	1	0	1	0
Peak Hour Factor	0.90	0.90	0.90	0.95	0.95	0.95	0.91	0.91	0.91	0.67	0.67	0.67
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	118	2061	642	196	2090	230	343	113	377	295	175	0
Arrive On Green	0.07	0.41	0.00	0.11	0.45	0.45	0.24	0.24	0.00	0.24	0.24	0.00
Sat Flow, veh/h	1774	5085	1583	1774	4649	512	1025	473	1583	854	735	0
Grp Volume(v), veh/h	92	717	0	156	1097	574	192	0	0	15	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1774	1695	1771	1499	0	1583	1589	0	0
Q Serve(g_s), s	3.2	6.1	0.0	5.4	16.6	16.6	6.2	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	3.2	6.1	0.0	5.4	16.6	16.6	6.9	0.0	0.0	0.4	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.29	0.73		1.00	0.60		0.00
Lane Grp Cap(c), veh/h	118	2061	642	196	1524	796	455	0	377	470	0	0
V/C Ratio(X)	0.78	0.35	0.00	0.80	0.72	0.72	0.42	0.00	0.00	0.03	0.00	0.00
Avail Cap(c_a), veh/h	158	2061	642	287	1556	813	808	0	754	827	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	28.9	13.0	0.0	27.3	14.1	14.1	20.9	0.0	0.0	18.4	0.0	0.0
Incr Delay (d2), s/veh	11.5	0.5	0.0	5.4	3.0	5.6	0.5	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	2.9	0.0	2.9	8.2	9.2	2.9	0.0	0.0	0.2	0.0	0.0
LnGrp Delay(d),s/veh	40.4	13.4	0.0	32.7	17.1	19.7	21.3	0.0	0.0	18.5	0.0	0.0
LnGrp LOS	D	B		C	B	B	C			B		
Approach Vol, veh/h		809			1827			192			15	
Approach Delay, s/veh		16.5			19.2			21.3			18.5	
Approach LOS		B			B			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	11.4	31.7		19.9	8.6	34.5		19.9
Change Period (Y+Rc), s	4.4	6.2		4.9	4.4	6.2		4.9
Max Green Setting (Gmax), s	10.2	24.3		30.0	5.6	28.9		30.0
Max Q Clear Time (g_c+I1), s	7.4	8.1		2.4	5.2	18.6		8.9
Green Ext Time (p_c), s	0.0	15.9		1.1	0.0	9.7		1.0

Intersection Summary		
HCM 2010 Ctrl Delay		18.6
HCM 2010 LOS		B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	240		240	260		260	200		0	210		210
Storage Lanes	1		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	0.97	0.91	1.00	0.97	1.00	1.00	0.97	0.95	0.95
Ped Bike Factor	1.00					0.99	1.00		0.98	1.00	0.99	0.99
Frt			0.850			0.850			0.850		0.870	0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	5085	1583	3433	5085	1583	3433	1863	1583	3433	1521	1504
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1769	5085	1583	3433	5085	1563	3428	1863	1559	3422	1521	1484
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			106			62			178		104	119
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1172			1541			740			798	
Travel Time (s)		16.0			21.0			20.2			21.8	

Intersection Summary	
Area Type:	Other



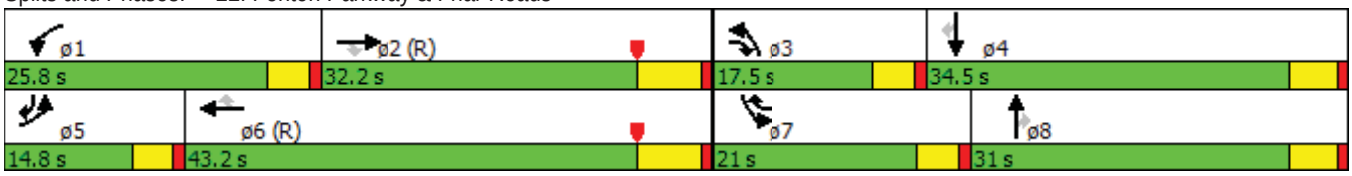
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	32	590	39	169	1419	12	82	8	164	65	13	179
Confl. Peds. (#/hr)	1					1	2		4	4		2
Confl. Bikes (#/hr)												
Peak Hour Factor	0.88	0.88	0.88	0.93	0.93	0.93	0.92	0.92	0.92	0.81	0.81	0.81
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	36	670	44	182	1526	13	89	9	178	80	16	221
Shared Lane Traffic (%)												47%
Lane Group Flow (vph)	36	670	44	182	1526	13	89	9	178	80	120	117

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	32	590	39	169	1419	12	82	8	164	65	13	179
Turn Type	Prot	NA	pm+ov	Prot	NA	pm+ov	Prot	NA	Perm	Prot	NA	pm+ov
Protected Phases	5	2	3	1	6	7	3	8		7	4	5
Permitted Phases			2			6			8			4
Detector Phase	5	2	3	1	6	7	3	8	8	7	4	5
Switch Phase												
Minimum Initial (s)	4.0	10.0	4.0	4.0	10.0	4.0	4.0	7.0	7.0	4.0	7.0	4.0
Minimum Split (s)	8.4	40.2	8.4	8.4	37.2	8.4	8.4	43.9	43.9	8.4	46.9	8.4
Total Split (s)	14.8	32.2	17.5	25.8	43.2	21.0	17.5	31.0	31.0	21.0	34.5	14.8
Total Split (%)	13.5%	29.3%	15.9%	23.5%	39.3%	19.1%	15.9%	28.2%	28.2%	19.1%	31.4%	13.5%
Yellow Time (s)	3.4	5.2	3.4	3.4	5.2	3.4	3.4	3.9	3.9	3.4	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.2	4.4	4.4	6.2	4.4	4.4	4.9	4.9	4.4	4.9	4.4
Lead/Lag	Lead	Lag	Lead	Lead	Lag	Lead	Lead	Lag	Lag	Lead	Lag	Lead
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Min	None	None	C-Min	None	None	None	None	None	None	None
Act Effct Green (s)	6.7	59.3	72.8	10.2	62.8	71.6	7.3	15.4	15.4	7.0	15.2	22.4
Actuated g/C Ratio	0.06	0.54	0.66	0.09	0.57	0.65	0.07	0.14	0.14	0.06	0.14	0.20
v/c Ratio	0.33	0.24	0.04	0.57	0.53	0.01	0.39	0.03	0.48	0.37	0.40	0.29
Control Delay	57.1	16.6	0.1	43.3	25.8	3.4	53.9	34.9	9.5	53.7	13.4	6.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	57.1	16.6	0.1	43.3	25.8	3.4	53.9	34.9	9.5	53.7	13.4	6.1
LOS	E	B	A	D	C	A	D	C	A	D	B	A
Approach Delay		17.5			27.5			24.7			20.9	
Approach LOS		B			C			C			C	

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 110	
Offset: 46 (42%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 105	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.57	
Intersection Signal Delay: 24.1	Intersection LOS: C
Intersection Capacity Utilization 55.6%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 22: Fenton Parkway & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	32	590	39	169	1419	12	82	8	164	65	13	179
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	36	670	0	182	1526	0	89	9	31	80	0	84
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	0	2
Peak Hour Factor	0.88	0.88	0.88	0.93	0.93	0.93	0.92	0.92	0.92	0.81	0.81	0.81
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	46	3222	1069	250	3461	1137	142	140	117	133	0	304
Arrive On Green	0.03	0.63	0.00	0.02	0.22	0.00	0.04	0.08	0.08	0.04	0.00	0.07
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1558	3548	0	3113
Grp Volume(v), veh/h	36	670	0	182	1526	0	89	9	31	80	0	84
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1558	1774	0	1557
Q Serve(g_s), s	2.2	6.1	0.0	5.8	28.4	0.0	2.8	0.5	2.1	2.4	0.0	2.8
Cycle Q Clear(g_c), s	2.2	6.1	0.0	5.8	28.4	0.0	2.8	0.5	2.1	2.4	0.0	2.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	46	3222	1069	250	3461	1137	142	140	117	133	0	304
V/C Ratio(X)	0.79	0.21	0.00	0.73	0.44	0.00	0.62	0.06	0.26	0.60	0.00	0.28
Avail Cap(c_a), veh/h	168	3222	1069	670	3461	1137	410	442	370	535	0	919
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.94	0.94	0.00	0.90	0.90	0.00	0.99	0.99	0.99	1.00	0.00	1.00
Uniform Delay (d), s/veh	53.3	8.5	0.0	52.6	24.6	0.0	51.9	47.3	48.0	52.1	0.0	46.1
Incr Delay (d2), s/veh	10.2	0.1	0.0	1.4	0.4	0.0	1.7	0.5	3.1	1.6	0.0	2.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	2.9	0.0	2.8	13.5	0.0	1.4	0.3	1.0	1.2	0.0	1.3
LnGrp Delay(d),s/veh	63.5	8.6	0.0	54.0	25.0	0.0	53.5	47.8	51.1	53.7	0.0	48.3
LnGrp LOS	E	A		D	C		D	D	D	D		D
Approach Vol, veh/h		706			1708			129			164	
Approach Delay, s/veh		11.4			28.1			52.5			51.0	
Approach LOS		B			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.4	75.9	9.0	12.8	7.2	81.1	8.5	13.2
Change Period (Y+Rc), s	4.4	6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	21.4	26.0	13.1	29.6	10.4	37.0	16.6	26.1
Max Q Clear Time (g_c+I1), s	7.8	8.1	4.8	4.8	4.2	30.4	4.4	4.1
Green Ext Time (p_c), s	0.2	17.1	0.1	1.4	0.0	6.4	0.1	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	26.3
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	300		300	260		260	180		0	190		300
Storage Lanes	2		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.91	1.00	0.97	0.91	1.00	0.97	1.00	1.00	0.97	1.00	1.00
Ped Bike Factor			0.99	1.00			0.99					0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	5085	1583	3433	5085	1583	3433	1863	1583	3433	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3433	5085	1563	3431	5085	1583	3384	1863	1583	3433	1863	1556
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			150			62			97			163
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1541			1521			578			725	
Travel Time (s)		21.0			20.7			15.8			19.8	

Intersection Summary	
Area Type:	Other



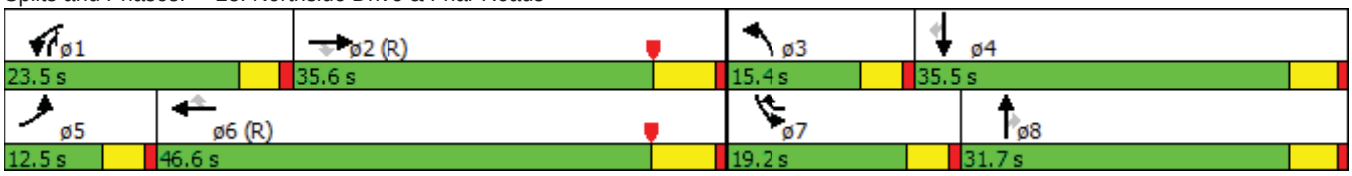
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	25	669	127	447	1276	39	93	9	237	121	27	143
Confl. Peds. (#/hr)			1	1			5					5
Confl. Bikes (#/hr)												
Peak Hour Factor	0.90	0.90	0.90	0.97	0.97	0.97	0.81	0.81	0.81	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	28	743	141	461	1315	40	115	11	293	138	31	162
Shared Lane Traffic (%)												
Lane Group Flow (vph)	28	743	141	461	1315	40	115	11	293	138	31	162

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	25	669	127	447	1276	39	93	9	237	121	27	143
Turn Type	Prot	NA	Perm	Prot	NA	pm+ov	Prot	NA	pm+ov	Prot	NA	Perm
Protected Phases	5	2		1	6	7	3	8	1	7	4	
Permitted Phases			2			6			8			4
Detector Phase	5	2	2	1	6	7	3	8	1	7	4	4
Switch Phase												
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	4.0	4.0	7.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	35.0	35.0	8.4	33.2	8.4	8.4	41.9	8.4	8.4	20.9	20.9
Total Split (s)	12.5	35.6	35.6	23.5	46.6	19.2	15.4	31.7	23.5	19.2	35.5	35.5
Total Split (%)	11.4%	32.4%	32.4%	21.4%	42.4%	17.5%	14.0%	28.8%	21.4%	17.5%	32.3%	32.3%
Yellow Time (s)	3.4	5.0	5.0	3.4	5.2	3.4	3.4	3.9	3.4	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.0	6.0	4.4	6.2	4.4	4.4	4.9	4.4	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lead	Lag	Lead	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Min	C-Min	None	C-Min	None	None	None	None	None	None	None
Act Effct Green (s)	5.4	48.4	48.4	18.1	64.6	90.7	8.1	13.5	28.6	18.2	15.6	15.6
Actuated g/C Ratio	0.05	0.44	0.44	0.16	0.59	0.82	0.07	0.12	0.26	0.17	0.14	0.14
v/c Ratio	0.17	0.33	0.18	0.81	0.44	0.03	0.46	0.05	0.61	0.24	0.12	0.45
Control Delay	39.2	26.2	13.1	56.5	15.7	1.4	54.3	37.4	26.4	43.2	38.6	9.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	39.2	26.2	13.1	56.5	15.7	1.4	54.3	37.4	26.4	43.2	38.6	9.5
LOS	D	C	B	E	B	A	D	D	C	D	D	A
Approach Delay		24.5			25.7			34.4			26.2	
Approach LOS		C			C			C			C	

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 110	
Offset: 100 (91%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 105	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.81	
Intersection Signal Delay: 26.5	Intersection LOS: C
Intersection Capacity Utilization 59.8%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 23: Northside Drive & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	25	669	127	447	1276	39	93	9	237	121	27	143
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	28	743	19	461	1315	0	115	11	176	138	31	26
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.90	0.90	0.90	0.97	0.97	0.97	0.81	0.81	0.81	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	72	2406	749	523	3073	1048	173	253	454	199	268	225
Arrive On Green	0.01	0.16	0.16	0.15	0.60	0.00	0.05	0.14	0.14	0.06	0.14	0.14
Sat Flow, veh/h	3442	5085	1582	3442	5085	1583	3442	1863	1566	3442	1863	1567
Grp Volume(v), veh/h	28	743	19	461	1315	0	115	11	176	138	31	26
Grp Sat Flow(s),veh/h/ln	1721	1695	1582	1721	1695	1583	1721	1863	1566	1721	1863	1567
Q Serve(g_s), s	0.9	14.2	1.1	14.4	15.2	0.0	3.6	0.6	9.9	4.3	1.6	1.6
Cycle Q Clear(g_c), s	0.9	14.2	1.1	14.4	15.2	0.0	3.6	0.6	9.9	4.3	1.6	1.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	72	2406	749	523	3073	1048	173	253	454	199	268	225
V/C Ratio(X)	0.39	0.31	0.03	0.88	0.43	0.00	0.67	0.04	0.39	0.69	0.12	0.12
Avail Cap(c_a), veh/h	253	2406	749	598	3073	1048	344	454	622	463	518	436
HCM Platoon Ratio	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.96	0.96	0.96	1.00	1.00	0.00	0.84	0.84	0.84	1.00	1.00	1.00
Uniform Delay (d), s/veh	53.9	30.5	24.9	45.7	11.6	0.0	51.3	41.3	31.4	50.8	41.0	41.0
Incr Delay (d2), s/veh	1.2	0.3	0.1	12.1	0.4	0.0	1.4	0.2	1.3	1.6	0.9	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	6.8	0.5	7.7	7.2	0.0	1.8	0.3	4.4	2.1	0.9	0.8
LnGrp Delay(d),s/veh	55.1	30.8	25.0	57.8	12.1	0.0	52.7	41.5	32.7	52.5	41.9	42.0
LnGrp LOS	E	C	C	E	B		D	D	C	D	D	D
Approach Vol, veh/h		790			1776			302			195	
Approach Delay, s/veh		31.5			23.9			40.7			49.4	
Approach LOS		C			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	21.1	58.2	9.9	20.7	6.7	72.7	10.8	19.9
Change Period (Y+Rc), s	4.4	* 6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	19.1	* 30	11.0	30.6	8.1	40.4	14.8	26.8
Max Q Clear Time (g_c+I1), s	16.4	16.2	5.6	3.6	2.9	17.2	6.3	11.9
Green Ext Time (p_c), s	0.3	12.4	0.1	2.8	0.0	20.6	0.1	2.1

Intersection Summary	
HCM 2010 Ctrl Delay	29.2
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		0	0		1	1		0	0		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor												
Frt						0.850						0.850
Flt Protected					0.953		0.950					
Satd. Flow (prot)	0	0	0	0	1775	1583	1770	3539	0	0	3539	1583
Flt Permitted					0.953		0.950					
Satd. Flow (perm)	0	0	0	0	1775	1583	1770	3539	0	0	3539	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						389						218
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		872			777			546			762	
Travel Time (s)		19.8			17.7			12.4			17.3	

Intersection Summary	
Area Type:	Other



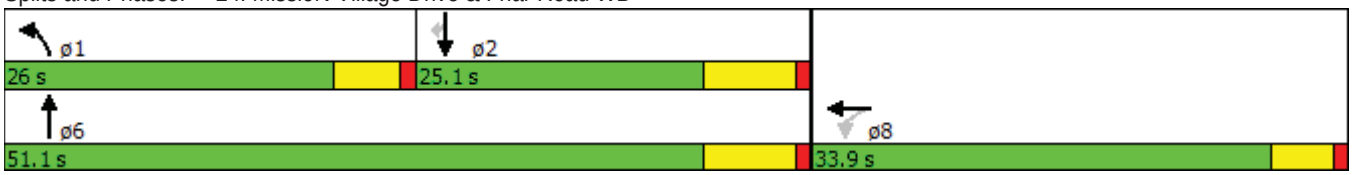
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	62	1	311	236	552	0	0	378	203
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.25	0.25	0.25	0.80	0.80	0.80	0.83	0.83	0.83	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	78	1	389	284	665	0	0	406	218
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	79	389	284	665	0	0	406	218

Intersection Summary

Lane Group	WBT	WBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	1	311	236	552	378	203
Turn Type	NA	Free	Prot	NA	NA	Perm
Protected Phases	8		1	6	2	
Permitted Phases		Free				2
Detector Phase	8		1	6	2	2
Switch Phase						
Minimum Initial (s)	4.0		6.0	10.0	10.0	10.0
Minimum Split (s)	33.9		23.3	25.0	25.0	25.0
Total Split (s)	33.9		26.0	51.1	25.1	25.1
Total Split (%)	39.9%		30.6%	60.1%	29.5%	29.5%
Yellow Time (s)	3.9		4.3	6.0	6.0	6.0
All-Red Time (s)	1.0		1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9		5.3	7.0	7.0	7.0
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None		None	Min	Min	Min
Act Effct Green (s)	7.1	45.6	12.7	35.5	13.0	13.0
Actuated g/C Ratio	0.16	1.00	0.28	0.78	0.29	0.29
v/c Ratio	0.29	0.25	0.58	0.24	0.40	0.36
Control Delay	23.7	0.4	21.1	3.7	17.1	5.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	23.7	0.4	21.1	3.7	17.1	5.3
LOS	C	A	C	A	B	A
Approach Delay	4.3			8.9	13.0	
Approach LOS	A			A	B	

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 45.6	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.58	
Intersection Signal Delay: 9.1	Intersection LOS: A
Intersection Capacity Utilization 70.5%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 24: MissioN Village Drive & Friar Road WB



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	62	1	311	236	552	0	0	378	203
Number				3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				78	1	0	284	665	0	0	406	35
Adj No. of Lanes				0	1	1	1	2	0	0	2	1
Peak Hour Factor				0.80	0.80	0.80	0.83	0.83	0.83	0.93	0.93	0.93
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				102	1	92	358	2282	0	0	1101	492
Arrive On Green				0.06	0.06	0.00	0.20	0.64	0.00	0.00	0.31	0.31
Sat Flow, veh/h				1753	22	1583	1774	3632	0	0	3632	1583
Grp Volume(v), veh/h				79	0	0	284	665	0	0	406	35
Grp Sat Flow(s),veh/h/ln				1775	0	1583	1774	1770	0	0	1770	1583
Q Serve(g_s), s				1.8	0.0	0.0	6.1	3.3	0.0	0.0	3.6	0.6
Cycle Q Clear(g_c), s				1.8	0.0	0.0	6.1	3.3	0.0	0.0	3.6	0.6
Prop In Lane				0.99		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				104	0	92	358	2282	0	0	1101	492
V/C Ratio(X)				0.76	0.00	0.00	0.79	0.29	0.00	0.00	0.37	0.07
Avail Cap(c_a), veh/h				1284	0	1145	916	3892	0	0	1598	715
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				18.6	0.0	0.0	15.2	3.1	0.0	0.0	10.8	9.7
Incr Delay (d2), s/veh				4.3	0.0	0.0	1.5	0.1	0.0	0.0	0.3	0.1
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.0	0.0	0.0	3.1	1.6	0.0	0.0	1.8	0.3
LnGrp Delay(d),s/veh				22.9	0.0	0.0	16.7	3.2	0.0	0.0	11.0	9.8
LnGrp LOS				C			B	A			B	A
Approach Vol, veh/h					79			949			441	
Approach Delay, s/veh					22.9			7.3			10.9	
Approach LOS					C			A			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	13.4	19.5				32.9		7.2
Change Period (Y+Rc), s	5.3	7.0				7.0		4.9
Max Green Setting (Gmax), s	20.7	18.1				44.1		29.0
Max Q Clear Time (g_c+I1), s	8.1	5.6				5.3		3.8
Green Ext Time (p_c), s	0.3	6.9				12.2		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	9.2
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		1	0		0	0		1	1		0
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00
Ped Bike Factor									0.98	1.00		
Frt			0.850						0.850			
Flt Protected		0.950								0.950		
Satd. Flow (prot)	0	1770	1583	0	0	0	0	1863	1583	1770	3539	0
Flt Permitted		0.950								0.950		
Satd. Flow (perm)	0	1770	1583	0	0	0	0	1863	1547	1768	3539	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			127						97			
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		731			746			159			546	
Travel Time (s)		16.6			17.0			3.6			12.4	

Intersection Summary	
Area Type:	Other



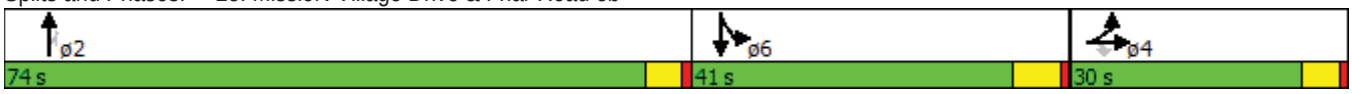
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	156	0	89	0	0	0	0	625	117	277	168	0
Confl. Peds. (#/hr)							1		1	1		1
Confl. Bikes (#/hr)												
Peak Hour Factor	0.70	0.70	0.70	0.25	0.25	0.25	0.87	0.87	0.87	0.86	0.86	0.86
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	223	0	127	0	0	0	0	718	134	322	195	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	223	127	0	0	0	0	718	134	322	195	0

Intersection Summary

Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	0	89	625	117	277	168
Turn Type	NA	Perm	NA	Perm	Split	NA
Protected Phases	4		2		6	6
Permitted Phases		4		2		
Detector Phase	4	4	2	2	6	6
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	21.2	21.2	27.9	27.9	23.2	23.2
Total Split (s)	30.0	30.0	74.0	74.0	41.0	41.0
Total Split (%)	20.7%	20.7%	51.0%	51.0%	28.3%	28.3%
Yellow Time (s)	4.2	4.2	3.9	3.9	5.2	5.2
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.2	5.2	4.9	4.9	6.2	6.2
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	None	None	Max	Max	Min	Min
Act Effct Green (s)	21.0	21.0	69.5	69.5	28.9	28.9
Actuated g/C Ratio	0.15	0.15	0.51	0.51	0.21	0.21
v/c Ratio	0.82	0.36	0.75	0.16	0.86	0.26
Control Delay	79.3	11.2	34.6	7.3	73.2	45.4
Queue Delay	0.0	0.0	53.7	3.1	0.0	0.0
Total Delay	79.3	11.2	88.2	10.4	73.2	45.4
LOS	E	B	F	B	E	D
Approach Delay	54.6		76.0			62.8
Approach LOS	D		E			E

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 135.8	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.86	
Intersection Signal Delay: 67.7	Intersection LOS: E
Intersection Capacity Utilization 70.5%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 25: MissioN Village Drive & Friar Road eb



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	156	0	89	0	0	0	0	625	117	277	168	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	223	0	0				0	718	59	322	195	0
Adj No. of Lanes	0	1	1				0	1	1	1	2	0
Peak Hour Factor	0.70	0.70	0.70				0.87	0.87	0.87	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	254	0	227				0	984	835	362	722	0
Arrive On Green	0.14	0.00	0.00				0.00	0.53	0.53	0.20	0.20	0.00
Sat Flow, veh/h	1774	0	1583				0	1863	1582	1774	3632	0
Grp Volume(v), veh/h	223	0	0				0	718	59	322	195	0
Grp Sat Flow(s),veh/h/ln	1774	0	1583				0	1863	1582	1774	1770	0
Q Serve(g_s), s	16.1	0.0	0.0				0.0	38.7	2.4	23.1	6.1	0.0
Cycle Q Clear(g_c), s	16.1	0.0	0.0				0.0	38.7	2.4	23.1	6.1	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	254	0	227				0	984	835	362	722	0
V/C Ratio(X)	0.88	0.00	0.00				0.00	0.73	0.07	0.89	0.27	0.00
Avail Cap(c_a), veh/h	336	0	300				0	984	835	472	941	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	54.9	0.0	0.0				0.0	23.7	15.1	50.6	43.9	0.0
Incr Delay (d2), s/veh	18.0	0.0	0.0				0.0	4.8	0.2	15.3	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.2	0.0	0.0				0.0	21.0	1.1	12.9	3.0	0.0
LnGrp Delay(d),s/veh	72.9	0.0	0.0				0.0	28.5	15.3	66.0	44.1	0.0
LnGrp LOS	E							C	B	E	D	
Approach Vol, veh/h		223						777			517	
Approach Delay, s/veh		72.9						27.5			57.7	
Approach LOS		E						C			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		74.0		24.0		32.9		
Change Period (Y+Rc), s		4.9		5.2		6.2		
Max Green Setting (Gmax), s		69.1		24.8		34.8		
Max Q Clear Time (g_c+I1), s		40.7		18.1		25.1		
Green Ext Time (p_c), s		5.9		0.6		1.6		

Intersection Summary	
HCM 2010 Ctrl Delay	44.5
HCM 2010 LOS	D



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	600		600
Storage Lanes	1		1	1		1	0		0	2		1
Taper Length (ft)	0			0			0			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	0.97	1.00	0.88
Ped Bike Factor												
Frt			0.850			0.850						0.850
Flt Protected	0.950			0.950						0.950		
Satd. Flow (prot)	1770	5085	1583	1770	5085	1583	0	0	0	3433	0	2787
Flt Permitted	0.950			0.950						0.950		
Satd. Flow (perm)	1770	5085	1583	1770	5085	1583	0	0	0	3433	0	2787
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			274			310						81
Link Speed (mph)		50			50			45			45	
Link Distance (ft)		760			1297			422			768	
Travel Time (s)		10.4			17.7			6.4			11.6	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	217	541	219	314	1484	467	0	0	0	655	0	555
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.80	0.80	0.80	0.95	0.95	0.95	0.25	0.25	0.25	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	271	676	274	331	1562	492	0	0	0	712	0	603
Shared Lane Traffic (%)												
Lane Group Flow (vph)	271	676	274	331	1562	492	0	0	0	712	0	603

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBR
Lane Configurations								
Volume (vph)	217	541	219	314	1484	467	655	555
Turn Type	Prot	NA	Perm	Prot	NA	Free	Prot	pm+ov
Protected Phases	5	2		1	6		4	5
Permitted Phases			2			Free		4
Detector Phase	5	2	2	1	6		4	5
Switch Phase								
Minimum Initial (s)	5.0	14.0	14.0	5.0	13.0		5.0	5.0
Minimum Split (s)	9.7	21.0	21.0	9.2	20.0		10.1	9.7
Total Split (s)	23.0	44.0	44.0	33.0	54.0		33.0	23.0
Total Split (%)	20.9%	40.0%	40.0%	30.0%	49.1%		30.0%	20.9%
Yellow Time (s)	3.2	5.0	5.0	3.2	5.0		3.6	3.2
All-Red Time (s)	1.5	2.0	2.0	1.0	2.0		1.5	1.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.7	7.0	7.0	4.2	7.0		5.1	4.7
Lead/Lag	Lead	Lag	Lag	Lead	Lag			Lead
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes			Yes
Recall Mode	None	C-Min	C-Min	None	C-Min		None	None
Act Effct Green (s)	19.9	44.8	44.8	23.4	47.8	110.0	25.5	50.5
Actuated g/C Ratio	0.18	0.41	0.41	0.21	0.43	1.00	0.23	0.46
v/c Ratio	0.85	0.33	0.34	0.88	0.71	0.31	0.89	0.46
Control Delay	67.7	24.2	4.4	57.1	23.0	0.4	55.5	18.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	67.7	24.2	4.4	57.1	23.0	0.4	55.5	18.2
LOS	E	C	A	E	C	A	E	B
Approach Delay		29.4			23.1			
Approach LOS		C			C			

Intersection Summary

Cycle Length: 110
Actuated Cycle Length: 110
Offset: 12 (11%), Referenced to phase 2:EBT and 6:WBT, Start of Green
Natural Cycle: 65
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.89
Intersection Signal Delay: 28.8 — Intersection LOS: C
Intersection Capacity Utilization 72.5% — ICU Level of Service C
Analysis Period (min) 15

Splits and Phases: 26: I-15 SB Ramps & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	217	541	219	314	1484	467	0	0	0	655	0	555
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863				1863	0	1863
Adj Flow Rate, veh/h	271	676	49	331	1562	0				712	0	516
Adj No. of Lanes	1	3	1	1	3	1				2	0	2
Peak Hour Factor	0.80	0.80	0.80	0.95	0.95	0.95				0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2				2	0	2
Cap, veh/h	295	2151	670	360	2315	721				777	0	1092
Arrive On Green	0.17	0.42	0.42	0.14	0.31	0.00				0.23	0.00	0.23
Sat Flow, veh/h	1774	5085	1583	1774	5085	1583				3442	0	2787
Grp Volume(v), veh/h	271	676	49	331	1562	0				712	0	516
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1774	1695	1583				1721	0	1393
Q Serve(g_s), s	16.5	9.7	2.0	20.3	29.6	0.0				22.2	0.0	15.2
Cycle Q Clear(g_c), s	16.5	9.7	2.0	20.3	29.6	0.0				22.2	0.0	15.2
Prop In Lane	1.00		1.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	295	2151	670	360	2315	721				777	0	1092
V/C Ratio(X)	0.92	0.31	0.07	0.92	0.67	0.00				0.92	0.00	0.47
Avail Cap(c_a), veh/h	295	2151	670	464	2315	721				873	0	1170
HCM Platoon Ratio	1.00	1.00	1.00	0.67	0.67	0.67				1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.58	0.58	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	45.1	21.1	18.9	46.6	31.1	0.0				41.6	0.0	25.0
Incr Delay (d2), s/veh	31.4	0.4	0.2	11.6	0.9	0.0				12.6	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.7	4.6	0.9	11.1	14.1	0.0				11.9	0.0	12.6
LnGrp Delay(d),s/veh	76.5	21.5	19.1	58.2	32.0	0.0				54.2	0.0	25.1
LnGrp LOS	E	C	B	E	C					D		C
Approach Vol, veh/h		996			1893						1228	
Approach Delay, s/veh		36.3			36.6						42.0	
Approach LOS		D			D						D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		
Phs Duration (G+Y+Rc), s	26.5	53.5		29.9	23.0	57.1		
Change Period (Y+Rc), s	* 4.2	7.0		5.1	* 4.7	7.0		
Max Green Setting (Gmax), s	* 29	37.0		27.9	* 18	47.0		
Max Q Clear Time (g_c+I1), s	22.3	11.7		24.2	18.5	31.6		
Green Ext Time (p_c), s	0.1	11.7		0.6	0.0	9.0		

Intersection Summary	
HCM 2010 Ctrl Delay	38.1
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	520		0	0		0	0		0	0		0
Storage Lanes	1		0	0		1	0		0	0		0
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.86	0.86	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt					0.979	0.850						
Flt Protected	0.950											
Satd. Flow (prot)	1770	5085	0	0	4705	1362	0	0	0	0	0	0
Flt Permitted	0.950											
Satd. Flow (perm)	1770	5085	0	0	4705	1362	0	0	0	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					51	215						
Link Speed (mph)		50			50			30			30	
Link Distance (ft)		1297			893			951			840	
Travel Time (s)		17.7			12.2			21.6			19.1	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	330	862	0	0	1920	969	0	0	0	0	0	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.96	0.96	0.96	0.93	0.93	0.93	0.91	0.91	0.91	0.80	0.80	0.80
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	344	898	0	0	2065	1042	0	0	0	0	0	0
Shared Lane Traffic (%)						33%						
Lane Group Flow (vph)	344	898	0	0	2409	698	0	0	0	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR
Lane Configurations				
Volume (vph)	330	862	1920	969
Turn Type	Prot	NA	NA	Perm
Protected Phases	5	2	6	
Permitted Phases				6
Detector Phase	5	2	6	6
Switch Phase				
Minimum Initial (s)	5.0	2.0	14.0	14.0
Minimum Split (s)	9.5	6.0	20.0	20.0
Total Split (s)	35.0	110.0	75.0	75.0
Total Split (%)	31.8%	100.0%	68.2%	68.2%
Yellow Time (s)	3.5	3.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag
Lead-Lag Optimize?	Yes		Yes	Yes
Recall Mode	None	C-Min	C-Min	C-Min
Act Effct Green (s)	25.0	110.0	74.5	74.5
Actuated g/C Ratio	0.23	1.00	0.68	0.68
v/c Ratio	0.86	0.18	0.75	0.70
Control Delay	58.9	0.1	8.7	7.2
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	58.9	0.1	8.7	7.2
LOS	E	A	A	A
Approach Delay		16.4	8.4	
Approach LOS		B	A	

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 110	
Offset: 64 (58%), Referenced to phase 2:EBT and 6:WBT, Start of Green	
Natural Cycle: 60	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.86	
Intersection Signal Delay: 10.7	Intersection LOS: B
Intersection Capacity Utilization 70.9%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 27: I-15 NB Ramps & Friar Roads



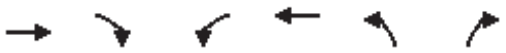
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	330	862	0	0	1920	969	0	0	0	0	0	0
Number	5	2	12	1	6	16						
Initial Q (Qb), veh	0	0	0	0	0	0						
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00						
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00						
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863						
Adj Flow Rate, veh/h	344	898	0	0	2065	0						
Adj No. of Lanes	1	3	0	0	3	1						
Peak Hour Factor	0.96	0.96	0.96	0.93	0.93	0.93						
Percent Heavy Veh, %	2	2	0	0	2	2						
Cap, veh/h	367	4808	0	0	3899	1105						
Arrive On Green	0.41	1.00	0.00	0.00	1.00	0.00						
Sat Flow, veh/h	1774	5253	0	0	5588	1583						
Grp Volume(v), veh/h	344	898	0	0	2065	0						
Grp Sat Flow(s),veh/h/ln	1774	1695	0	0	1863	1583						
Q Serve(g_s), s	20.4	0.0	0.0	0.0	0.0	0.0						
Cycle Q Clear(g_c), s	20.4	0.0	0.0	0.0	0.0	0.0						
Prop In Lane	1.00		0.00	0.00		1.00						
Lane Grp Cap(c), veh/h	367	4808	0	0	3899	1105						
V/C Ratio(X)	0.94	0.19	0.00	0.00	0.53	0.00						
Avail Cap(c_a), veh/h	492	4900	0	0	3899	1105						
HCM Platoon Ratio	2.00	2.00	1.00	1.00	2.00	2.00						
Upstream Filter(I)	0.75	0.75	0.00	0.00	0.70	0.00						
Uniform Delay (d), s/veh	31.6	0.0	0.0	0.0	0.0	0.0						
Incr Delay (d2), s/veh	15.8	0.1	0.0	0.0	0.4	0.0						
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0						
%ile BackOfQ(50%),veh/ln	11.5	0.0	0.0	0.0	0.1	0.0						
LnGrp Delay(d),s/veh	47.4	0.1	0.0	0.0	0.4	0.0						
LnGrp LOS	D	A			A							
Approach Vol, veh/h		1242			2065							
Approach Delay, s/veh		13.2			0.4							
Approach LOS		B			A							

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		
Phs Duration (G+Y+Rc), s		110.0			27.3	82.7		
Change Period (Y+Rc), s		* 6			4.5	6.0		
Max Green Setting (Gmax), s		* 1.1E2			30.5	69.0		
Max Q Clear Time (g_c+I1), s		2.0			22.4	2.0		
Green Ext Time (p_c), s		22.1			0.3	21.0		

Intersection Summary	
HCM 2010 Ctrl Delay	5.2
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		400	160		160	0
Storage Lanes		1	1		2	1
Taper Length (ft)			25		25	
Lane Util. Factor	0.91	1.00	1.00	0.86	0.97	0.91
Ped Bike Factor					1.00	0.99
Frt		0.850			0.999	0.850
Flt Protected			0.950		0.953	
Satd. Flow (prot)	5085	1583	1770	6408	3440	1441
Flt Permitted			0.950		0.953	
Satd. Flow (perm)	5085	1583	1770	6408	3440	1422
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		267			1	56
Link Speed (mph)	50			50	45	
Link Distance (ft)	893			357	577	
Travel Time (s)	12.2			4.9	8.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	976	248	86	2367	539	50
Confl. Peds. (#/hr)						1
Confl. Bikes (#/hr)						
Peak Hour Factor	0.93	0.93	0.90	0.90	0.80	0.80
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	1049	267	96	2630	674	62
Shared Lane Traffic (%)						10%
Lane Group Flow (vph)	1049	267	96	2630	680	56

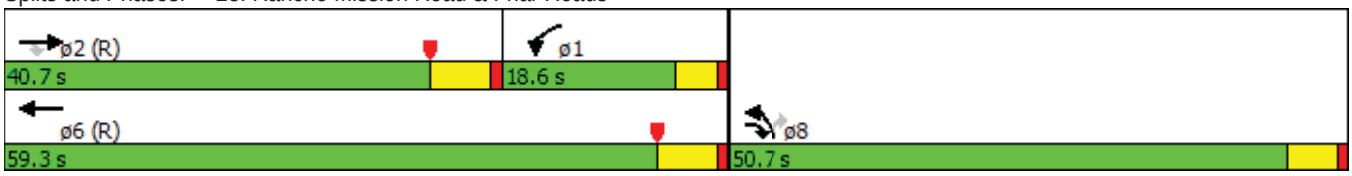
Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (vph)	976	248	86	2367	539	50
Turn Type	NA	pm+ov	Prot	NA	Prot	Perm
Protected Phases	2	8	1	6	8	
Permitted Phases		2				8
Detector Phase	2	8	1	6	8	8
Switch Phase						
Minimum Initial (s)	10.0	4.0	4.0	10.0	4.0	4.0
Minimum Split (s)	34.8	37.1	8.4	22.0	37.1	37.1
Total Split (s)	40.7	50.7	18.6	59.3	50.7	50.7
Total Split (%)	37.0%	46.1%	16.9%	53.9%	46.1%	46.1%
Yellow Time (s)	4.8	4.1	3.4	5.0	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.1	4.4	6.0	5.1	5.1
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	C-Min	None	None	C-Min	None	None
Act Effct Green (s)	56.9	89.7	10.8	71.9	27.0	27.0
Actuated g/C Ratio	0.52	0.82	0.10	0.65	0.25	0.25
v/c Ratio	0.40	0.20	0.55	0.63	0.81	0.14
Control Delay	13.2	0.4	58.6	12.6	46.7	8.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	13.2	0.4	58.6	12.6	46.7	8.6
LOS	B	A	E	B	D	A
Approach Delay	10.6			14.2	43.8	
Approach LOS	B			B	D	

Intersection Summary

Cycle Length: 110
Actuated Cycle Length: 110
Offset: 14 (13%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 85
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.81
Intersection Signal Delay: 17.8 — Intersection LOS: B
Intersection Capacity Utilization 59.8% — ICU Level of Service B
Analysis Period (min) 15

Splits and Phases: 28: Rancho Mission Road & Friar Roads



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	976	248	86	2367	539	50
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	1049	100	96	2630	674	18
Adj No. of Lanes	3	1	1	4	2	1
Peak Hour Factor	0.93	0.93	0.90	0.90	0.80	0.80
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1359	762	648	4390	759	339
Arrive On Green	0.36	0.36	0.37	0.69	0.21	0.21
Sat Flow, veh/h	5253	1583	1774	6669	3548	1583
Grp Volume(v), veh/h	1049	100	96	2630	674	18
Grp Sat Flow(s),veh/h/ln	1695	1583	1774	1602	1774	1583
Q Serve(g_s), s	20.2	3.5	4.0	24.1	20.3	1.0
Cycle Q Clear(g_c), s	20.2	3.5	4.0	24.1	20.3	1.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	1359	762	648	4390	759	339
V/C Ratio(X)	0.77	0.13	0.15	0.60	0.89	0.05
Avail Cap(c_a), veh/h	1613	841	648	4390	1471	656
HCM Platoon Ratio	1.33	1.33	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.99	0.99	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.5	13.8	23.4	9.3	41.9	34.4
Incr Delay (d2), s/veh	4.3	0.4	0.0	0.6	1.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.9	2.2	2.0	10.8	10.1	0.4
LnGrp Delay(d),s/veh	36.7	14.2	23.5	9.9	43.4	34.4
LnGrp LOS	D	B	C	A	D	C
Approach Vol, veh/h	1149			2726	692	
Approach Delay, s/veh	34.8			10.3	43.2	
Approach LOS	C			B	D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	46.2	35.2				81.4		28.6
Change Period (Y+Rc), s	6.0	* 5.8				6.0		5.1
Max Green Setting (Gmax), s	14.2	* 35				53.3		45.6
Max Q Clear Time (g_c+I1), s	6.0	22.2				26.1		22.3
Green Ext Time (p_c), s	8.1	7.2				26.2		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	21.5
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	200			190	200	0
Storage Lanes	2			0	2	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.91	0.86	0.86	0.97	1.00
Ped Bike Factor						
Frt			0.997			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3433	5085	6389	0	3433	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3433	5085	6389	0	3433	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			3			1
Link Speed (mph)		50	50		25	
Link Distance (ft)		828	1698		1636	
Travel Time (s)		11.3	23.2		44.6	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	107	914	2205	39	42	197
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.93	0.93	0.94	0.94	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	115	983	2346	41	48	226
Shared Lane Traffic (%)						
Lane Group Flow (vph)	115	983	2387	0	48	226

Intersection Summary

Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Configurations					
Volume (vph)	107	914	2205	42	197
Turn Type	Prot	NA	NA	Prot	pm+ov
Protected Phases	5	2	6	4	5
Permitted Phases					4
Detector Phase	5	2	6	4	5
Switch Phase					
Minimum Initial (s)	4.0	10.0	10.0	4.0	4.0
Minimum Split (s)	8.4	16.5	31.8	41.4	8.4
Total Split (s)	20.0	79.4	59.4	40.6	20.0
Total Split (%)	16.7%	66.2%	49.5%	33.8%	16.7%
Yellow Time (s)	3.4	5.5	4.8	3.4	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.5	5.8	4.4	4.4
Lead/Lag	Lead		Lag		Lead
Lead-Lag Optimize?	Yes		Yes		Yes
Recall Mode	None	C-Min	C-Min	None	None
Act Effct Green (s)	16.6	106.1	84.4	6.1	25.4
Actuated g/C Ratio	0.14	0.88	0.70	0.05	0.21
v/c Ratio	0.24	0.22	0.53	0.27	0.67
Control Delay	46.2	1.5	9.8	58.3	52.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	46.2	1.5	9.8	58.3	52.3
LOS	D	A	A	E	D
Approach Delay		6.2	9.8	53.3	
Approach LOS		A	A	D	

Intersection Summary

Cycle Length: 120
Actuated Cycle Length: 120
Offset: 63 (53%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 85
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.67
Intersection Signal Delay: 11.9 — Intersection LOS: B
Intersection Capacity Utilization 53.3% — ICU Level of Service A
Analysis Period (min) 15

Splits and Phases: 29: Friar Roads & Santo Road





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	107	914	2205	39	42	197
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	115	983	2346	41	48	226
Adj No. of Lanes	2	3	4	0	2	1
Peak Hour Factor	0.93	0.93	0.94	0.94	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	170	3844	4378	76	527	321
Arrive On Green	0.05	0.76	0.67	0.67	0.15	0.15
Sat Flow, veh/h	3442	5253	6795	114	3442	1583
Grp Volume(v), veh/h	115	983	1725	662	48	226
Grp Sat Flow(s),veh/h/ln	1721	1695	1602	1843	1721	1583
Q Serve(g_s), s	3.9	7.0	22.2	22.2	1.4	15.9
Cycle Q Clear(g_c), s	3.9	7.0	22.2	22.2	1.4	15.9
Prop In Lane	1.00			0.06	1.00	1.00
Lane Grp Cap(c), veh/h	170	3844	3220	1234	527	321
V/C Ratio(X)	0.68	0.26	0.54	0.54	0.09	0.70
Avail Cap(c_a), veh/h	447	3844	3220	1234	1038	556
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.47	0.47	1.00	1.00
Uniform Delay (d), s/veh	56.1	4.4	10.2	10.2	43.6	44.5
Incr Delay (d2), s/veh	1.8	0.2	0.3	0.8	0.0	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.9	3.3	9.8	11.5	0.7	13.6
LnGrp Delay(d),s/veh	57.9	4.6	10.5	11.0	43.7	45.6
LnGrp LOS	E	A	B	B	D	D
Approach Vol, veh/h		1098	2387		274	
Approach Delay, s/veh		10.2	10.6		45.2	
Approach LOS		B	B		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		97.2		22.8	10.3	86.9		
Change Period (Y+Rc), s		6.5		4.4	4.4	* 6.5		
Max Green Setting (Gmax), s		72.9		36.2	15.6	* 54		
Max Q Clear Time (g_c+I1), s		9.0		17.9	5.9	24.2		
Green Ext Time (p_c), s		52.6		0.5	0.1	26.7		

Intersection Summary	
HCM 2010 Ctrl Delay	13.0
HCM 2010 LOS	B

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	220		315	190		0	150		0	130		0
Storage Lanes	1		1	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00				1.00		1.00	0.99		1.00	0.99	
Frt			0.850		0.998			0.936			0.931	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	5085	1583	1770	5073	0	1770	1733	0	1770	1723	0
Flt Permitted	0.950			0.950			0.234			0.696		
Satd. Flow (perm)	1769	5085	1583	1770	5073	0	435	1733	0	1293	1723	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			260		2			39			45	
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1698			655			1012			895	
Travel Time (s)		23.2			8.9			27.6			24.4	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	94	584	237	176	1956	31	104	42	31	17	151	129
Confl. Peds. (#/hr)	2					2	2		3	3		2
Confl. Bikes (#/hr)												
Peak Hour Factor	0.91	0.91	0.91	0.97	0.97	0.97	0.78	0.78	0.78	0.79	0.79	0.79
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	103	642	260	181	2016	32	133	54	40	22	191	163
Shared Lane Traffic (%)												
Lane Group Flow (vph)	103	642	260	181	2048	0	133	94	0	22	354	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Volume (vph)	94	584	237	176	1956	104	42	17	151
Turn Type	Prot	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases	5	2		1	6		8		4
Permitted Phases			2			8		4	
Detector Phase	5	2	2	1	6	8	8	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	28.7	28.7	8.4	28.9	39.9	39.9	39.9	39.9
Total Split (s)	23.5	45.3	45.3	17.5	39.3	42.0	42.0	42.2	42.2
Total Split (%)	22.4%	43.1%	43.1%	16.7%	37.4%	40.0%	40.0%	40.2%	40.2%
Yellow Time (s)	3.4	4.7	4.7	3.4	4.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.7	5.7	4.4	5.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	C-Min	C-Min	None	C-Min	None	None	None	None
Act Effct Green (s)	10.5	50.2	50.2	14.5	54.0	25.4	25.4	25.4	25.4
Actuated g/C Ratio	0.10	0.48	0.48	0.14	0.51	0.24	0.24	0.24	0.24
v/c Ratio	0.59	0.26	0.29	0.74	0.79	1.27	0.21	0.07	0.79
Control Delay	57.8	18.4	3.7	62.6	25.9	211.8	18.2	27.1	44.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	57.8	18.4	3.7	62.6	25.9	211.8	18.2	27.1	44.1
LOS	E	B	A	E	C	F	B	C	D
Approach Delay		18.6			28.9		131.6		43.1
Approach LOS		B			C		F		D

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 105	
Offset: 10 (10%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 90	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 1.27	
Intersection Signal Delay: 33.7	Intersection LOS: C
Intersection Capacity Utilization 83.0%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 30: Riverdale Street & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	94	584	237	176	1956	31	104	42	31	17	151	129
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	103	642	84	181	2016	32	133	54	8	22	191	125
Adj No. of Lanes	1	3	1	1	3	0	1	1	0	1	1	0
Peak Hour Factor	0.91	0.91	0.91	0.97	0.97	0.97	0.78	0.78	0.78	0.79	0.79	0.79
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	130	2180	677	211	2446	39	232	488	72	446	324	212
Arrive On Green	0.07	0.43	0.43	0.12	0.47	0.47	0.31	0.31	0.31	0.31	0.31	0.31
Sat Flow, veh/h	1774	5085	1580	1774	5157	82	1058	1586	235	1331	1051	688
Grp Volume(v), veh/h	103	642	84	181	1325	723	133	0	62	22	0	316
Grp Sat Flow(s),veh/h/ln	1774	1695	1580	1774	1695	1848	1058	0	1820	1331	0	1739
Q Serve(g_s), s	6.0	8.7	3.4	10.5	35.4	35.5	12.8	0.0	2.6	1.3	0.0	16.1
Cycle Q Clear(g_c), s	6.0	8.7	3.4	10.5	35.4	35.5	28.9	0.0	2.6	3.8	0.0	16.1
Prop In Lane	1.00		1.00	1.00		0.04	1.00		0.13	1.00		0.40
Lane Grp Cap(c), veh/h	130	2180	677	211	1608	877	232	0	560	446	0	535
V/C Ratio(X)	0.79	0.29	0.12	0.86	0.82	0.82	0.57	0.00	0.11	0.05	0.00	0.59
Avail Cap(c_a), veh/h	323	2180	677	221	1608	877	280	0	643	509	0	618
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	0.98	0.59	0.59	0.59	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	47.9	19.6	18.1	45.4	23.8	23.8	43.0	0.0	26.0	27.4	0.0	30.7
Incr Delay (d2), s/veh	4.1	0.3	0.4	16.3	3.0	5.4	0.8	0.0	0.0	0.0	0.0	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	4.1	1.5	6.1	17.0	19.4	3.8	0.0	1.3	0.5	0.0	7.8
LnGrp Delay(d),s/veh	51.9	20.0	18.5	61.7	26.8	29.2	43.8	0.0	26.1	27.4	0.0	31.2
LnGrp LOS	D	B	B	E	C	C	D		C	C		C
Approach Vol, veh/h		829			2229			195			338	
Approach Delay, s/veh		23.8			30.4			38.2			31.0	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.9	50.9		37.2	12.1	55.7		37.2
Change Period (Y+Rc), s	4.4	* 5.9		4.9	4.4	5.9		4.9
Max Green Setting (Gmax), s	13.1	* 40		37.3	19.1	33.4		37.1
Max Q Clear Time (g_c+I1), s	12.5	10.7		18.1	8.0	37.5		30.9
Green Ext Time (p_c), s	0.0	22.7		2.0	0.1	0.0		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	29.4
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		90	190		140	0
Storage Lanes		1	1		1	2
Taper Length (ft)			25		25	
Lane Util. Factor	0.91	1.00	0.97	1.00	1.00	0.88
Ped Bike Factor						
Frt		0.850				0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	5085	1583	3433	0	1770	2787
Flt Permitted			0.950		0.950	
Satd. Flow (perm)	5085	1583	3433	0	1770	2787
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		99				272
Link Speed (mph)	50			50	45	
Link Distance (ft)	655			989	1463	
Travel Time (s)	8.9			13.5	22.2	

Intersection Summary	
Area Type:	Other



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	502	132	395	0	161	242
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.89	0.89	0.97	0.97	0.89	0.89
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	564	148	407	0	181	272
Shared Lane Traffic (%)						
Lane Group Flow (vph)	564	148	407	0	181	272

Intersection Summary

Lane Group	EBT	EBR	WBL	NBL	NBR
Lane Configurations					
Volume (vph)	502	132	395	161	242
Turn Type	NA	Free	Prot	Prot	pm+ov
Protected Phases	2		1	3	1
Permitted Phases		Free			3
Detector Phase	2		1	3	1
Switch Phase					
Minimum Initial (s)	10.0		4.0	4.0	4.0
Minimum Split (s)	30.8		8.4	8.4	8.4
Total Split (s)	75.4		19.6	25.0	19.6
Total Split (%)	62.8%		16.3%	20.8%	16.3%
Yellow Time (s)	4.8		3.4	3.4	3.4
All-Red Time (s)	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0		0.0	0.0	0.0
Total Lost Time (s)	5.8		4.4	4.4	4.4
Lead/Lag	Lead		Lag		Lag
Lead-Lag Optimize?	Yes		Yes		Yes
Recall Mode	C-Min		None	None	None
Act Effct Green (s)	69.1	120.0	19.7	16.6	40.7
Actuated g/C Ratio	0.58	1.00	0.16	0.14	0.34
v/c Ratio	0.19	0.09	0.72	0.74	0.24
Control Delay	13.3	0.1	55.2	67.3	3.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	13.3	0.1	55.2	67.3	3.2
LOS	B	A	E	E	A
Approach Delay	10.5			28.8	
Approach LOS	B			C	

Intersection Summary	
Cycle Length: 120	
Actuated Cycle Length: 120	
Offset: 47 (39%), Referenced to phase 2:EBT, Start of Yellow	
Natural Cycle: 60	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.74	
Intersection Signal Delay: 27.4	Intersection LOS: C
Intersection Capacity Utilization 41.7%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 31: Mission Gorge Road & Friar Roads



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	502	132	395	0	161	242
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	564	0	407	0	181	0
Adj No. of Lanes	3	1	2	0	1	2
Peak Hour Factor	0.89	0.89	0.97	0.97	0.89	0.89
Percent Heavy Veh, %	2	2	2	0	2	2
Cap, veh/h	800	249	2076	0	209	2009
Arrive On Green	0.16	0.00	0.60	0.00	0.12	0.00
Sat Flow, veh/h	5253	1583	3442	407	1774	2787
Grp Volume(v), veh/h	564	0	407	10.7	181	0
Grp Sat Flow(s),veh/h/ln	1695	1583	1721	B	1774	1393
Q Serve(g_s), s	12.6	0.0	6.4		12.0	0.0
Cycle Q Clear(g_c), s	12.6	0.0	6.4		12.0	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	800	249	2076		209	2009
V/C Ratio(X)	0.70	0.00	0.20		0.87	0.00
Avail Cap(c_a), veh/h	2949	918	2076		305	2160
HCM Platoon Ratio	1.00	1.00	1.00		1.00	1.00
Upstream Filter(I)	0.98	0.00	1.00		1.00	0.00
Uniform Delay (d), s/veh	47.9	0.0	10.7		52.0	0.0
Incr Delay (d2), s/veh	5.0	0.0	0.0		11.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	0.0	3.0		6.6	0.0
LnGrp Delay(d),s/veh	53.0	0.0	10.7		63.9	0.0
LnGrp LOS	D		B		E	
Approach Vol, veh/h	564				181	
Approach Delay, s/veh	53.0				63.9	
Approach LOS	D				E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2						8
Phs Duration (G+Y+Rc), s	76.8	24.7						18.5
Change Period (Y+Rc), s	4.4	5.8						4.4
Max Green Setting (Gmax), s	15.2	69.6						20.6
Max Q Clear Time (g_c+I1), s	8.4	14.6						14.0
Green Ext Time (p_c), s	0.5	4.3						0.1

Intersection Summary	
HCM 2010 Ctrl Delay	39.8
HCM 2010 LOS	D



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		200	0		200	120		0	120		0
Storage Lanes	0		1	0		1	1		1	1		1
Taper Length (ft)	0			0			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor			0.99		1.00		1.00					0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected		0.954			0.954		0.950			0.950		
Satd. Flow (prot)	0	1777	1583	0	1777	1583	1770	3539	1583	1770	3539	1583
Flt Permitted		0.704			0.714		0.950			0.950		
Satd. Flow (perm)	0	1311	1560	0	1327	1583	1768	3539	1583	1770	3539	1549
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			145			145			87			76
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		371			388			1038			247	
Travel Time (s)		8.4			8.8			17.7			4.2	

Intersection Summary	
Area Type:	Other



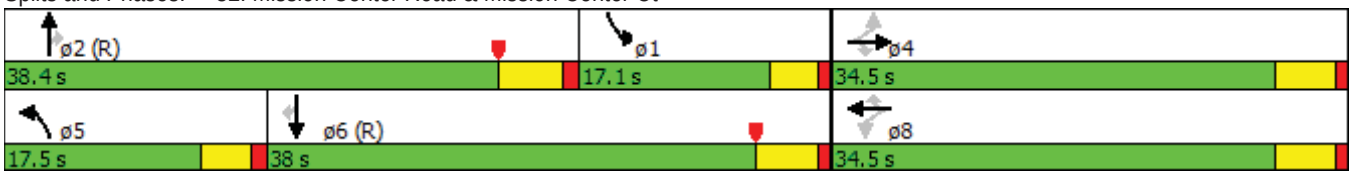
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	23	1	14	74	3	89	52	368	23	46	356	38
Confl. Peds. (#/hr)			3	3			1					1
Confl. Bikes (#/hr)												
Peak Hour Factor	0.86	0.86	0.86	0.97	0.97	0.97	0.91	0.91	0.91	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	27	1	16	76	3	92	57	404	25	49	379	40
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	28	16	0	79	92	57	404	25	49	379	40

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	23	1	14	74	3	89	52	368	23	46	356	38
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Detector Phase	4	4	4	8	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	33.9	33.9	33.9	33.9	33.9	33.9	8.4	23.3	23.3	8.4	28.3	28.3
Total Split (s)	34.5	34.5	34.5	34.5	34.5	34.5	17.5	38.4	38.4	17.1	38.0	38.0
Total Split (%)	38.3%	38.3%	38.3%	38.3%	38.3%	38.3%	19.4%	42.7%	42.7%	19.0%	42.2%	42.2%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.9	3.9	3.4	4.3	4.3	3.4	4.3	4.3
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)		4.9	4.9		4.9	4.9	4.4	5.3	5.3	4.4	5.3	5.3
Lead/Lag							Lead	Lead	Lead	Lag	Lag	Lag
Lead-Lag Optimize?							Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	C-Min	C-Min	None	C-Min	C-Min
Act Effct Green (s)		11.9	11.9		12.5	12.5	7.3	59.5	59.5	10.2	60.4	60.4
Actuated g/C Ratio		0.13	0.13		0.14	0.14	0.08	0.66	0.66	0.11	0.67	0.67
v/c Ratio		0.16	0.05		0.43	0.27	0.40	0.17	0.02	0.24	0.16	0.04
Control Delay		31.8	0.3		39.6	3.0	46.6	10.7	0.0	33.3	6.9	0.8
Queue Delay		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
Total Delay		31.8	0.3		39.6	3.0	46.6	10.7	0.0	33.3	7.0	0.8
LOS		C	A		D	A	D	B	A	C	A	A
Approach Delay		20.3			19.9			14.4			9.3	
Approach LOS		C			B			B			A	

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 90	
Offset: 79 (88%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 75	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.43	
Intersection Signal Delay: 13.4	Intersection LOS: B
Intersection Capacity Utilization 45.6%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 32: Mission Center Road & Mission Center Ct



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	23	1	14	74	3	89	52	368	23	46	356	38
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		1.00	0.99		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	27	1	0	76	3	0	57	404	0	49	379	0
Adj No. of Lanes	0	1	1	0	1	1	1	2	1	1	2	1
Peak Hour Factor	0.86	0.86	0.86	0.97	0.97	0.97	0.91	0.91	0.91	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	198	6	120	186	4	120	73	547	245	1060	2551	1141
Arrive On Green	0.08	0.08	0.00	0.08	0.08	0.00	0.04	0.15	0.00	1.00	1.00	0.00
Sat Flow, veh/h	1571	78	1583	1421	56	1583	1774	3539	1583	1774	3539	1583
Grp Volume(v), veh/h	28	0	0	79	0	0	57	404	0	49	379	0
Grp Sat Flow(s),veh/h/ln	1649	0	1583	1478	0	1583	1774	1770	1583	1774	1770	1583
Q Serve(g_s), s	0.0	0.0	0.0	3.3	0.0	0.0	2.9	9.8	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	1.3	0.0	0.0	4.6	0.0	0.0	2.9	9.8	0.0	0.0	0.0	0.0
Prop In Lane	0.96		1.00	0.96		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	203	0	120	190	0	120	73	547	245	1060	2551	1141
V/C Ratio(X)	0.14	0.00	0.00	0.41	0.00	0.00	0.78	0.74	0.00	0.05	0.15	0.00
Avail Cap(c_a), veh/h	560	0	521	547	0	521	258	1302	582	1060	2551	1141
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	0.96	0.96	0.00	0.97	0.97	0.00
Uniform Delay (d), s/veh	39.1	0.0	0.0	40.5	0.0	0.0	42.7	36.3	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.5	0.0	0.0	6.3	8.4	0.0	0.0	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.0	0.0	1.9	0.0	0.0	1.5	5.4	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh	39.2	0.0	0.0	41.0	0.0	0.0	49.0	44.7	0.0	0.0	0.1	0.0
LnGrp LOS	D			D			D	D		A	A	
Approach Vol, veh/h		28			79			461			428	
Approach Delay, s/veh		39.2			41.0			45.2			0.1	
Approach LOS		D			D			D			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	59.1	19.2		11.7	8.1	70.2		11.7
Change Period (Y+Rc), s	5.3	* 5.3		4.9	4.4	5.3		4.9
Max Green Setting (Gmax), s	12.7	* 33		29.6	13.1	32.7		29.6
Max Q Clear Time (g_c+I1), s	2.0	11.8		3.3	4.9	2.0		6.6
Green Ext Time (p_c), s	2.2	2.0		0.3	0.0	3.4		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	25.3
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	140		120	120		160	335		200	180		200
Storage Lanes	2		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	1.00	1.00	0.97	0.95	1.00	0.97	0.91	1.00	0.97	0.91	1.00
Ped Bike Factor	0.99		0.98	0.99		0.98			0.98	1.00		
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	1863	1583	3433	3539	1583	3433	5085	1583	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3412	1863	1551	3407	3539	1554	3433	5085	1547	3427	5085	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			119			119			634			121
Link Speed (mph)		40			40			45			45	
Link Distance (ft)		1364			1297			1368			785	
Travel Time (s)		23.3			22.1			20.7			11.9	

Intersection Summary	
Area Type:	Other



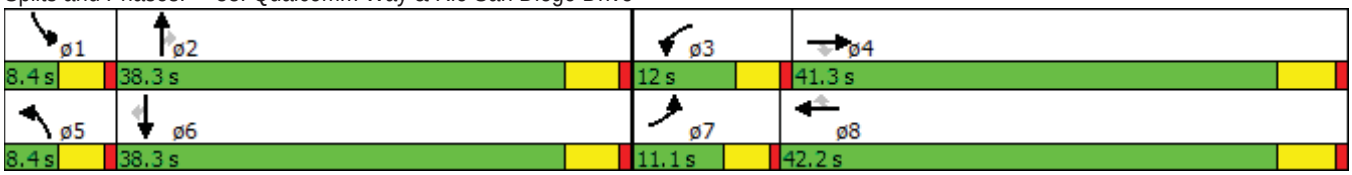
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	85	57	88	189	39	76	59	428	558	50	199	50
Confl. Peds. (#/hr)	8		10	10		8			2	2		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.86	0.86	0.86	0.89	0.89	0.89	0.88	0.88	0.88	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	99	66	102	212	44	85	67	486	634	54	216	54
Shared Lane Traffic (%)												
Lane Group Flow (vph)	99	66	102	212	44	85	67	486	634	54	216	54

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	85	57	88	189	39	76	59	428	558	50	199	50
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	41.3	41.3	8.4	41.3	41.3	8.4	36.1	36.1	8.4	38.0	38.0
Total Split (s)	11.1	41.3	41.3	12.0	42.2	42.2	8.4	38.3	38.3	8.4	38.3	38.3
Total Split (%)	11.1%	41.3%	41.3%	12.0%	42.2%	42.2%	8.4%	38.3%	38.3%	8.4%	38.3%	38.3%
Yellow Time (s)	3.4	4.3	4.3	3.4	4.3	4.3	3.4	4.1	4.1	3.4	4.0	4.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.3	5.3	4.4	5.3	5.3	4.4	5.1	5.1	4.4	5.0	5.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	6.7	11.1	11.1	8.4	12.3	12.3	4.9	15.1	15.1	4.9	15.2	15.2
Actuated g/C Ratio	0.13	0.21	0.21	0.16	0.23	0.23	0.09	0.29	0.29	0.09	0.29	0.29
v/c Ratio	0.23	0.17	0.24	0.38	0.05	0.19	0.21	0.33	0.71	0.17	0.15	0.10
Control Delay	30.2	20.5	5.1	29.7	18.2	3.0	33.0	17.8	7.1	33.0	17.4	0.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.2	20.5	5.1	29.7	18.2	3.0	33.0	17.8	7.1	33.0	17.4	0.4
LOS	C	C	A	C	B	A	C	B	A	C	B	A
Approach Delay		18.2			21.6			13.0			17.2	
Approach LOS		B			C			B			B	

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 52.6	
Natural Cycle: 100	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.71	
Intersection Signal Delay: 15.7	Intersection LOS: B
Intersection Capacity Utilization 61.3%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 33: Qualcomm Way & Rio San Diego Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	85	57	88	189	39	76	59	428	558	50	199	50
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	99	66	15	212	44	1	67	486	151	54	216	0
Adj No. of Lanes	2	1	1	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.86	0.86	0.86	0.89	0.89	0.89	0.88	0.88	0.88	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	222	194	160	343	493	216	176	1560	484	152	1524	474
Arrive On Green	0.06	0.10	0.10	0.10	0.14	0.14	0.05	0.31	0.31	0.04	0.30	0.00
Sat Flow, veh/h	3442	1863	1538	3442	3539	1549	3442	5085	1578	3442	5085	1583
Grp Volume(v), veh/h	99	66	15	212	44	1	67	486	151	54	216	0
Grp Sat Flow(s),veh/h/ln	1721	1863	1538	1721	1770	1549	1721	1695	1578	1721	1695	1583
Q Serve(g_s), s	1.2	1.4	0.4	2.5	0.5	0.0	0.8	3.2	3.2	0.7	1.3	0.0
Cycle Q Clear(g_c), s	1.2	1.4	0.4	2.5	0.5	0.0	0.8	3.2	3.2	0.7	1.3	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	222	194	160	343	493	216	176	1560	484	152	1524	474
V/C Ratio(X)	0.45	0.34	0.09	0.62	0.09	0.00	0.38	0.31	0.31	0.36	0.14	0.00
Avail Cap(c_a), veh/h	535	1556	1284	607	3030	1326	319	3917	1216	319	3929	1223
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	19.4	17.9	17.5	18.6	16.2	16.0	19.8	11.5	11.5	20.0	11.0	0.0
Incr Delay (d2), s/veh	0.5	1.0	0.3	0.7	0.1	0.0	0.5	0.2	0.5	0.5	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.8	0.2	1.2	0.2	0.0	0.4	1.5	1.4	0.3	0.6	0.0
LnGrp Delay(d),s/veh	19.9	19.0	17.7	19.3	16.2	16.0	20.3	11.6	12.0	20.5	11.1	0.0
LnGrp LOS	B	B	B	B	B	B	C	B	B	C	B	
Approach Vol, veh/h		180			257			704			270	
Approach Delay, s/veh		19.4			18.8			12.5			13.0	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.3	18.3	8.7	9.8	6.6	18.0	7.2	11.3
Change Period (Y+Rc), s	4.4	5.1	4.4	5.3	4.4	* 5.1	4.4	5.3
Max Green Setting (Gmax), s	4.0	33.2	7.6	36.0	4.0	* 33	6.7	36.9
Max Q Clear Time (g_c+I1), s	2.7	5.2	4.5	3.4	2.8	3.3	3.2	2.5
Green Ext Time (p_c), s	0.0	7.8	0.1	0.6	0.0	8.0	0.0	0.6

Intersection Summary	
HCM 2010 Ctrl Delay	14.6
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		200	110		200	0		200	0		200
Storage Lanes	1		1	1		1	0		1	0		1
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950							0.958	
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	0	1863	1583	0	1785	1583
Flt Permitted	0.950			0.950							0.958	
Satd. Flow (perm)	1770	1863	1583	1770	1863	1583	0	1863	1583	0	1785	1583
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1618			1168			369			844	
Travel Time (s)		27.6			19.9			10.1			23.0	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	86	57	4	7	134	60	0	4	1	17	2	145
Confl. Peds. (#/hr)	7		3	3		7			3	3		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.83	0.83	0.83	0.89	0.89	0.89	0.31	0.31	0.31	0.79	0.79	0.79
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	104	69	5	8	151	67	0	13	3	22	3	184
Shared Lane Traffic (%)												
Lane Group Flow (vph)	104	69	5	8	151	67	0	13	3	0	25	184

Intersection Summary

Intersection	
Intersection Delay, s/veh	9.5
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Vol, veh/h	0	86	57	4	0	7	134	60	0	0	4	1
Peak Hour Factor	0.83	0.83	0.83	0.83	0.92	0.89	0.89	0.89	0.31	0.31	0.31	0.31
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	104	69	5	0	8	151	67	0	0	13	3
Number of Lanes	0	1	1	1	0	1	1	1	0	0	1	1

Approach	EB	WB	NB
Opposing Approach	WB	EB	SB
Opposing Lanes	3	3	2
Conflicting Approach Left	SB	NB	EB
Conflicting Lanes Left	2	2	3
Conflicting Approach Right	NB	SB	WB
Conflicting Lanes Right	2	2	3
HCM Control Delay	9.7	9.4	8.8
HCM LOS	A	A	A

Lane	NBLn1	NBLn2	EBLn1	EBLn2	EBLn3	WBLn1	WBLn2	WBLn3	SBLn1	SBLn2
Vol Left, %	0%	0%	100%	0%	0%	100%	0%	0%	89%	0%
Vol Thru, %	100%	0%	0%	100%	0%	0%	100%	0%	11%	0%
Vol Right, %	0%	100%	0%	0%	100%	0%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	4	1	86	57	4	7	134	60	19	145
LT Vol	0	0	86	0	0	7	0	0	17	0
Through Vol	4	0	0	57	0	0	134	0	2	0
RT Vol	0	1	0	0	4	0	0	60	0	145
Lane Flow Rate	13	3	104	69	5	8	151	67	24	184
Geometry Grp	8	8	8	8	8	8	8	8	8	8
Degree of Util (X)	0.022	0.005	0.176	0.107	0.007	0.013	0.232	0.091	0.041	0.253
Departure Headway (Hd)	6.136	5.434	6.109	5.606	4.901	6.05	5.547	4.843	6.102	4.956
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	587	663	582	633	721	587	641	732	583	718
Service Time	3.836	3.134	3.899	3.396	2.691	3.833	3.33	2.625	3.876	2.73
HCM Lane V/C Ratio	0.022	0.005	0.179	0.109	0.007	0.014	0.236	0.092	0.041	0.256
HCM Control Delay	9	8.2	10.2	9.1	7.7	8.9	10	8.1	9.1	9.4
HCM Lane LOS	A	A	B	A	A	A	A	A	A	A
HCM 95th-tile Q	0.1	0	0.6	0.4	0	0	0.9	0.3	0.1	1

Intersection	
Intersection Delay, s/veh	
Intersection LOS	

Movement	SBU	SBL	SBT	SBR
Vol, veh/h	0	17	2	145
Peak Hour Factor	0.92	0.79	0.79	0.79
Heavy Vehicles, %	2	2	2	2
Mvmt Flow	0	22	3	184
Number of Lanes	0	0	1	1

Approach	SB
Opposing Approach	NB
Opposing Lanes	2
Conflicting Approach Left	WB
Conflicting Lanes Left	3
Conflicting Approach Right	EB
Conflicting Lanes Right	3
HCM Control Delay	9.4
HCM LOS	A

Lane



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		0	0		0	160		200	300		200
Storage Lanes	1		1	0		0	1		1	2		1
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	0.95	0.95	0.95	1.00	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor	0.99	1.00	0.99		0.99		0.99		0.95	0.98		0.97
Frt			0.850		0.946				0.850			0.850
Flt Protected	0.950	0.996					0.950			0.950		
Satd. Flow (prot)	1681	1763	1583	0	3322	0	1770	3539	1583	3433	3539	1583
Flt Permitted	0.950	0.996					0.950			0.950		
Satd. Flow (perm)	1671	1762	1561	0	3322	0	1748	3539	1507	3348	3539	1532
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			116		65				114			134
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1168			1523			533			740	
Travel Time (s)		19.9			26.0			14.5			20.2	

Intersection Summary	
Area Type:	Other



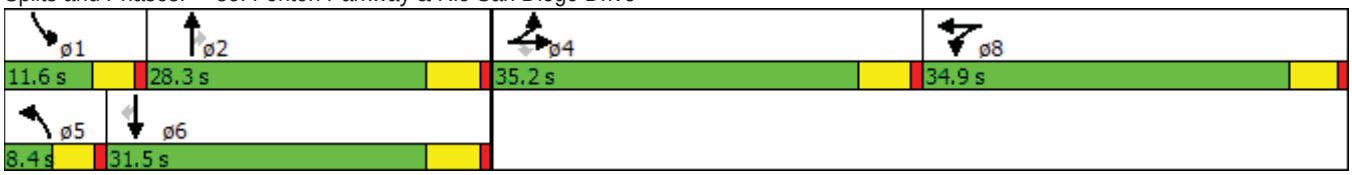
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	69	79	21	1	103	59	12	80	2	92	36	118
Confl. Peds. (#/hr)	7		2	2		7	6		12	12		6
Confl. Bikes (#/hr)						2						
Peak Hour Factor	0.86	0.86	0.86	0.91	0.91	0.91	0.76	0.76	0.76	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	80	92	24	1	113	65	16	105	3	105	41	134
Shared Lane Traffic (%)	10%											
Lane Group Flow (vph)	72	100	24	0	179	0	16	105	3	105	41	134

Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	69	79	21	103	12	80	2	92	36	118
Turn Type	Split	NA	Perm	NA	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	4	4		8	5	2		1	6	
Permitted Phases			4				2			6
Detector Phase	4	4	4	8	5	2	2	1	6	6
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0	7.0
Minimum Split (s)	35.2	35.2	35.2	34.9	8.4	28.3	28.3	8.4	31.4	31.4
Total Split (s)	35.2	35.2	35.2	34.9	8.4	28.3	28.3	11.6	31.5	31.5
Total Split (%)	32.0%	32.0%	32.0%	31.7%	7.6%	25.7%	25.7%	10.5%	28.6%	28.6%
Yellow Time (s)	4.2	4.2	4.2	3.9	3.4	4.3	4.3	3.4	4.4	4.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.2	5.2	5.2	4.9	4.4	5.3	5.3	4.4	5.4	5.4
Lead/Lag					Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	10.7	10.7	10.7	9.5	4.8	15.5	15.5	6.9	23.0	23.0
Actuated g/C Ratio	0.18	0.18	0.18	0.16	0.08	0.27	0.27	0.12	0.39	0.39
v/c Ratio	0.23	0.31	0.06	0.30	0.11	0.11	0.01	0.26	0.03	0.20
Control Delay	26.0	26.8	0.3	17.8	38.6	23.9	0.0	33.2	19.0	6.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.0	26.8	0.3	17.8	38.6	23.9	0.0	33.2	19.0	6.1
LOS	C	C	A	B	D	C	A	C	B	A
Approach Delay		23.3		17.8		25.2			18.2	
Approach LOS		C		B		C			B	

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 58.3	
Natural Cycle: 110	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.31	
Intersection Signal Delay: 20.5	Intersection LOS: C
Intersection Capacity Utilization 39.1%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 35: Fenton Parkway & Rio San Diego Drive





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	69	79	21	1	103	59	12	80	2	92	36	118
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.96	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	80	92	0	1	113	16	16	105	0	105	41	20
Adj No. of Lanes	1	1	1	0	2	0	1	2	1	2	2	1
Peak Hour Factor	0.86	0.86	0.86	0.91	0.91	0.91	0.76	0.76	0.76	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	208	218	185	3	324	47	29	723	323	239	911	398
Arrive On Green	0.12	0.12	0.00	0.10	0.10	0.10	0.02	0.20	0.00	0.07	0.26	0.26
Sat Flow, veh/h	1774	1863	1583	27	3137	458	1774	3539	1583	3442	3539	1546
Grp Volume(v), veh/h	80	92	0	69	0	61	16	105	0	105	41	20
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1861	0	1762	1774	1770	1583	1721	1770	1546
Q Serve(g_s), s	1.6	1.8	0.0	1.3	0.0	1.3	0.4	1.0	0.0	1.2	0.3	0.4
Cycle Q Clear(g_c), s	1.6	1.8	0.0	1.3	0.0	1.3	0.4	1.0	0.0	1.2	0.3	0.4
Prop In Lane	1.00		1.00	0.01		0.26	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	208	218	185	192	0	182	29	723	323	239	911	398
V/C Ratio(X)	0.39	0.42	0.00	0.36	0.00	0.34	0.55	0.15	0.00	0.44	0.05	0.05
Avail Cap(c_a), veh/h	1353	1421	1208	1420	0	1344	180	2070	926	630	2349	1026
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.1	16.1	0.0	16.4	0.0	16.4	19.2	12.8	0.0	17.6	11.0	11.0
Incr Delay (d2), s/veh	0.7	0.8	0.0	0.4	0.0	0.4	6.0	0.4	0.0	0.5	0.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	1.0	0.0	0.7	0.0	0.6	0.2	0.5	0.0	0.6	0.2	0.2
LnGrp Delay(d),s/veh	16.8	16.9	0.0	16.8	0.0	16.8	25.2	13.3	0.0	18.0	11.1	11.2
LnGrp LOS	B	B		B		B	C	B		B	B	B
Approach Vol, veh/h		172			130			121			166	
Approach Delay, s/veh		16.9			16.8			14.8			15.5	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	7.1	13.4		9.8	5.0	15.5		9.0
Change Period (Y+Rc), s	4.4	* 5.4		5.2	4.4	5.4		4.9
Max Green Setting (Gmax), s	7.2	* 23		30.0	4.0	26.1		30.0
Max Q Clear Time (g_c+I1), s	3.2	3.0		3.8	2.4	2.4		3.3
Green Ext Time (p_c), s	0.1	2.5		0.4	0.0	2.7		0.4

Intersection Summary	
HCM 2010 Ctrl Delay	16.0
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	130		0	0		200	70		200	100		0
Storage Lanes	1		0	0		1	1		1	1		1
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00	1.00				0.99	1.00					0.99
Frt		0.993				0.850			0.850			0.850
Flt Protected	0.950	0.974					0.950			0.950		
Satd. Flow (prot)	1681	1712	0	0	1863	1583	1770	3539	1583	1770	1863	1583
Flt Permitted	0.950	0.974					0.950			0.950		
Satd. Flow (perm)	1679	1710	0	0	1863	1563	1765	3539	1583	1770	1863	1561
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		2				148			148			63
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1523			649			624			578	
Travel Time (s)		26.0			11.1			17.0			15.8	

Intersection Summary	
Area Type:	Other



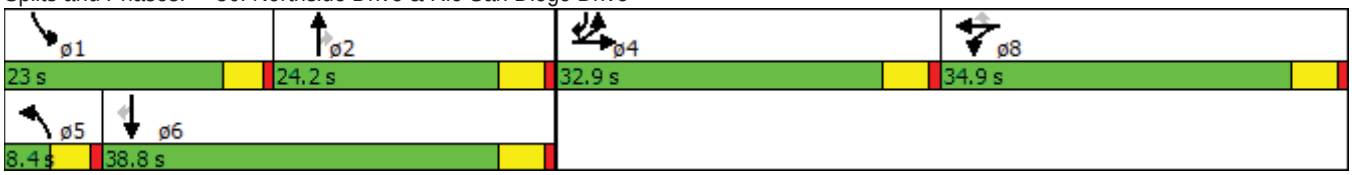
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	247	67	7	0	3	15	2	52	5	336	86	58
Confl. Peds. (#/hr)	1					1	2					2
Confl. Bikes (#/hr)												
Peak Hour Factor	0.66	0.66	0.66	0.41	0.41	0.41	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	374	102	11	0	7	37	2	57	5	365	93	63
Shared Lane Traffic (%)	35%											
Lane Group Flow (vph)	243	244	0	0	7	37	2	57	5	365	93	63

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	247	67	3	15	2	52	5	336	86	58
Turn Type	Split	NA	NA	Perm	Prot	NA	Perm	Prot	NA	pm+ov
Protected Phases	4	4	8		5	2		1	6	4
Permitted Phases				8			2			6
Detector Phase	4	4	8	8	5	2	2	1	6	4
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0	4.0
Minimum Split (s)	32.9	32.9	34.9	34.9	8.4	22.9	22.9	8.4	26.9	32.9
Total Split (s)	32.9	32.9	34.9	34.9	8.4	24.2	24.2	23.0	38.8	32.9
Total Split (%)	28.6%	28.6%	30.3%	30.3%	7.3%	21.0%	21.0%	20.0%	33.7%	28.6%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.4	3.9	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.9	4.4	4.9	4.9	4.4	4.9	4.9
Lead/Lag					Lead	Lag	Lag	Lead	Lag	
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes	
Recall Mode	None	None	None	None	None	Min	Min	None	Min	None
Act Effct Green (s)	14.4	14.4	8.2	8.2	4.4	8.8	8.8	20.4	32.9	47.3
Actuated g/C Ratio	0.21	0.21	0.12	0.12	0.07	0.13	0.13	0.30	0.49	0.70
v/c Ratio	0.68	0.67	0.03	0.12	0.02	0.12	0.01	0.68	0.10	0.06
Control Delay	37.0	36.0	29.3	0.7	41.5	32.5	0.0	34.4	17.7	2.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.0	36.0	29.3	0.7	41.5	32.5	0.0	34.4	17.7	2.4
LOS	D	D	C	A	D	C	A	C	B	A
Approach Delay		36.5	5.3			30.2			27.5	
Approach LOS		D	A			C			C	

Intersection Summary	
Cycle Length: 115	
Actuated Cycle Length: 67.4	
Natural Cycle: 115	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.68	
Intersection Signal Delay: 30.7	Intersection LOS: C
Intersection Capacity Utilization 48.9%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 36: Northside Drive & Rio San Diego Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	247	67	7	0	3	15	2	52	5	336	86	58
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	244	285	11	0	7	0	2	57	0	365	93	9
Adj No. of Lanes	1	1	0	0	1	1	1	2	1	1	1	1
Peak Hour Factor	0.66	0.66	0.66	0.41	0.41	0.41	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	385	386	15	0	22	18	4	509	228	430	715	951
Arrive On Green	0.22	0.22	0.22	0.00	0.01	0.00	0.00	0.14	0.00	0.24	0.38	0.38
Sat Flow, veh/h	1774	1782	69	0	1863	1583	1774	3539	1583	1774	1863	1581
Grp Volume(v), veh/h	244	0	296	0	7	0	2	57	0	365	93	9
Grp Sat Flow(s),veh/h/ln	1774	0	1850	0	1863	1583	1774	1770	1583	1774	1863	1581
Q Serve(g_s), s	6.2	0.0	7.4	0.0	0.2	0.0	0.1	0.7	0.0	9.7	1.6	0.1
Cycle Q Clear(g_c), s	6.2	0.0	7.4	0.0	0.2	0.0	0.1	0.7	0.0	9.7	1.6	0.1
Prop In Lane	1.00		0.04	0.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	385	0	401	0	22	18	4	509	228	430	715	951
V/C Ratio(X)	0.63	0.00	0.74	0.00	0.32	0.00	0.51	0.11	0.00	0.85	0.13	0.01
Avail Cap(c_a), veh/h	1002	0	1045	0	1127	958	143	1378	616	666	1274	1424
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.6	0.0	18.1	0.0	24.3	0.0	24.7	18.5	0.0	17.9	9.9	4.0
Incr Delay (d2), s/veh	0.6	0.0	1.0	0.0	3.2	0.0	34.0	0.0	0.0	3.8	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	0.0	3.9	0.0	0.1	0.0	0.1	0.3	0.0	5.2	0.9	0.1
LnGrp Delay(d),s/veh	18.3	0.0	19.1	0.0	27.5	0.0	58.7	18.5	0.0	21.7	10.1	4.0
LnGrp LOS	B		B		C		E	B		C	B	A
Approach Vol, veh/h		540			7			59			467	
Approach Delay, s/veh		18.7			27.5			19.9			19.0	
Approach LOS		B			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.4	12.0		15.7	4.5	23.9		5.5
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	18.6	19.3		28.0	4.0	33.9		30.0
Max Q Clear Time (g_c+I1), s	11.7	2.7		9.4	2.1	3.6		2.2
Green Ext Time (p_c), s	0.4	1.1		1.2	0.0	1.4		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	19.0
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	80		0	200		200	70		0	120		120
Storage Lanes	1		0	1		1	1		1	1		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00	0.99		1.00		0.97	0.99		0.98	0.99		0.98
Frt		0.921				0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3231	0	1770	3539	1583	1770	1863	1583	1770	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1762	3231	0	1763	3539	1539	1759	1863	1551	1758	1863	1551
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		108				177			121			121
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		2011			1623			1851			555	
Travel Time (s)		39.2			31.6			28.0			8.4	

Intersection Summary	
Area Type:	Other



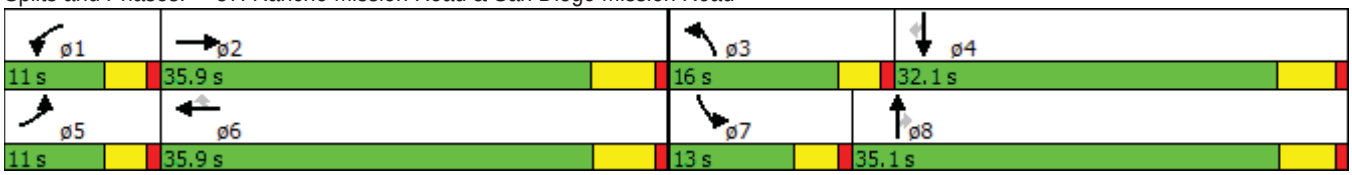
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	41	71	80	155	381	149	243	170	48	88	158	74
Confl. Peds. (#/hr)	4		5	5		4	8		9	9		8
Confl. Bikes (#/hr)												
Peak Hour Factor	0.74	0.74	0.74	0.84	0.84	0.84	0.81	0.81	0.81	0.74	0.74	0.74
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	55	96	108	185	454	177	300	210	59	119	214	100
Shared Lane Traffic (%)												
Lane Group Flow (vph)	55	204	0	185	454	177	300	210	59	119	214	100

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	41	71	155	381	149	243	170	48	88	158	74
Turn Type	Prot	NA	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	5	2	1	6		3	8		7	4	
Permitted Phases					6			8			4
Detector Phase	5	2	1	6	6	3	8	8	7	4	4
Switch Phase											
Minimum Initial (s)	4.0	7.0	4.0	7.0	7.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.0	34.5	8.0	29.3	29.3	8.0	33.9	33.9	8.0	32.1	32.1
Total Split (s)	11.0	35.9	11.0	35.9	35.9	16.0	35.1	35.1	13.0	32.1	32.1
Total Split (%)	11.6%	37.8%	11.6%	37.8%	37.8%	16.8%	36.9%	36.9%	13.7%	33.8%	33.8%
Yellow Time (s)	3.0	4.5	3.0	4.3	4.3	3.0	3.9	3.9	3.0	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	5.5	4.0	5.3	5.3	4.0	4.9	4.9	4.0	5.1	5.1
Lead/Lag	Lead	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	Min	None	Min	Min	None	None	None	None	None	None
Act Effct Green (s)	6.2	13.8	7.3	19.6	19.6	12.5	20.2	20.2	8.3	13.2	13.2
Actuated g/C Ratio	0.09	0.21	0.11	0.30	0.30	0.19	0.30	0.30	0.13	0.20	0.20
v/c Ratio	0.33	0.27	0.95	0.43	0.31	0.90	0.37	0.11	0.54	0.58	0.25
Control Delay	38.9	11.9	90.2	22.3	5.6	62.1	23.3	0.4	41.9	31.3	5.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.9	11.9	90.2	22.3	5.6	62.1	23.3	0.4	41.9	31.3	5.3
LOS	D	B	F	C	A	E	C	A	D	C	A
Approach Delay		17.6		34.1			41.4			28.2	
Approach LOS		B		C			D			C	

Intersection Summary	
Cycle Length: 95	
Actuated Cycle Length: 66.3	
Natural Cycle: 95	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.95	
Intersection Signal Delay: 32.8	Intersection LOS: C
Intersection Capacity Utilization 57.8%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 37: Rancho Mission Road & San Diego Mission Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	41	71	80	155	381	149	243	170	48	88	158	74
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	55	96	7	185	454	34	300	210	0	119	214	0
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	1
Peak Hour Factor	0.74	0.74	0.74	0.84	0.84	0.84	0.81	0.81	0.81	0.74	0.74	0.74
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	72	595	43	216	916	406	350	542	461	153	335	285
Arrive On Green	0.04	0.18	0.18	0.12	0.26	0.26	0.20	0.29	0.00	0.09	0.18	0.00
Sat Flow, veh/h	1774	3346	241	1774	3539	1568	1774	1863	1583	1774	1863	1583
Grp Volume(v), veh/h	55	50	53	185	454	34	300	210	0	119	214	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1818	1774	1770	1568	1774	1863	1583	1774	1863	1583
Q Serve(g_s), s	1.8	1.4	1.4	5.9	6.3	0.9	9.4	5.2	0.0	3.8	6.1	0.0
Cycle Q Clear(g_c), s	1.8	1.4	1.4	5.9	6.3	0.9	9.4	5.2	0.0	3.8	6.1	0.0
Prop In Lane	1.00		0.13	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	72	315	323	216	916	406	350	542	461	153	335	285
V/C Ratio(X)	0.76	0.16	0.16	0.86	0.50	0.08	0.86	0.39	0.00	0.78	0.64	0.00
Avail Cap(c_a), veh/h	216	936	961	216	1884	835	370	978	832	278	875	744
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	27.3	20.0	20.0	24.8	18.1	16.1	22.3	16.3	0.0	25.7	21.8	0.0
Incr Delay (d2), s/veh	6.1	0.4	0.4	26.1	0.7	0.1	16.1	0.2	0.0	3.2	0.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	0.7	0.7	4.4	3.1	0.4	6.2	2.7	0.0	2.0	3.2	0.0
LnGrp Delay(d),s/veh	33.4	20.4	20.4	50.8	18.8	16.3	38.4	16.5	0.0	29.0	22.6	0.0
LnGrp LOS	C	C	C	D	B	B	D	B		C	C	
Approach Vol, veh/h		158			673			510			333	
Approach Delay, s/veh		24.9			27.5			29.4			24.9	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.0	15.7	15.3	15.4	6.3	20.4	8.9	21.8
Change Period (Y+Rc), s	4.0	5.5	4.0	5.1	4.0	* 5.5	4.0	* 5.1
Max Green Setting (Gmax), s	7.0	30.4	12.0	27.0	7.0	* 31	9.0	* 30
Max Q Clear Time (g_c+I1), s	7.9	3.4	11.4	8.1	3.8	8.3	5.8	7.2
Green Ext Time (p_c), s	0.0	6.0	0.0	1.3	0.0	5.6	0.0	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	27.3
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	230		0	0		200	200		200	240		0
Storage Lanes	1		1	0		1	2		1	1		0
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	1.00	1.00	0.97	0.95	1.00	1.00	0.91	0.91
Ped Bike Factor			0.97		0.99		1.00		0.95	0.99	1.00	
Frt			0.850			0.850			0.850		0.984	
Flt Protected	0.950	0.968			0.958		0.950			0.950		
Satd. Flow (prot)	1681	1713	1583	0	1785	1583	3433	3539	1583	1770	4994	0
Flt Permitted	0.950	0.968			0.958		0.950			0.950		
Satd. Flow (perm)	1681	1713	1540	0	1762	1583	3419	3539	1511	1750	4994	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			198			112			98		21	
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		471			685			996			1038	
Travel Time (s)		12.8			18.7			17.0			17.7	

Intersection Summary	
Area Type:	Other



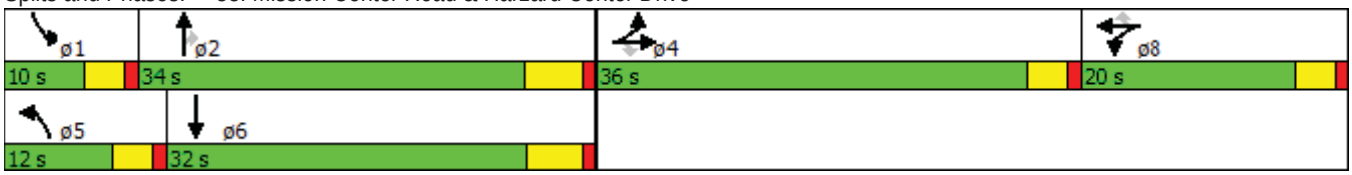
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	41	8	166	15	2	3	249	504	66	32	418	51
Confl. Peds. (#/hr)			16	16			5		10	10		5
Confl. Bikes (#/hr)			1						2			1
Peak Hour Factor	0.84	0.84	0.84	0.71	0.71	0.71	0.93	0.93	0.93	0.78	0.78	0.78
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	49	10	198	21	3	4	268	542	71	41	536	65
Shared Lane Traffic (%)	40%											
Lane Group Flow (vph)	29	30	198	0	24	4	268	542	71	41	601	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations										
Volume (vph)	41	8	166	2	3	249	504	66	32	418
Turn Type	Split	NA	Perm	NA	Perm	Prot	NA	Perm	Prot	NA
Protected Phases	4	4		8		5	2		1	6
Permitted Phases			4		8			2		
Detector Phase	4	4	4	8	8	5	2	2	1	6
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0
Minimum Split (s)	36.0	36.0	36.0	20.0	20.0	8.0	26.3	26.3	8.0	31.2
Total Split (s)	36.0	36.0	36.0	20.0	20.0	12.0	34.0	34.0	10.0	32.0
Total Split (%)	36.0%	36.0%	36.0%	20.0%	20.0%	12.0%	34.0%	34.0%	10.0%	32.0%
Yellow Time (s)	3.0	3.0	3.0	3.0	3.0	3.0	4.3	4.3	3.0	4.2
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	5.3	5.3	4.0	5.2
Lead/Lag						Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?						Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min
Act Effct Green (s)	10.6	10.6	10.6	5.9	5.9	9.0	25.6	25.6	5.9	15.2
Actuated g/C Ratio	0.20	0.20	0.20	0.11	0.11	0.17	0.48	0.48	0.11	0.29
v/c Ratio	0.09	0.09	0.42	0.12	0.01	0.46	0.32	0.09	0.21	0.41
Control Delay	19.9	19.9	6.8	31.1	0.0	29.0	13.6	3.2	32.2	17.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	19.9	19.9	6.8	31.1	0.0	29.0	13.6	3.2	32.2	17.0
LOS	B	B	A	C	A	C	B	A	C	B
Approach Delay		9.8		26.6			17.4			17.9
Approach LOS		A		C			B			B

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 52.8	
Natural Cycle: 100	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.46	
Intersection Signal Delay: 16.7	Intersection LOS: B
Intersection Capacity Utilization 45.1%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 38: Mission Center Road & Harzard Center Drive





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	41	8	166	15	2	3	249	504	66	32	418	51
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	56	0	37	21	3	0	268	542	0	41	536	46
Adj No. of Lanes	2	0	1	0	1	1	2	2	1	1	3	0
Peak Hour Factor	0.84	0.84	0.84	0.71	0.71	0.71	0.93	0.93	0.93	0.78	0.78	0.78
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	433	0	183	36	5	36	399	1614	722	62	1789	152
Arrive On Green	0.12	0.00	0.12	0.02	0.02	0.00	0.12	0.46	0.00	0.04	0.38	0.38
Sat Flow, veh/h	3548	0	1501	1562	223	1583	3442	3539	1583	1774	4767	405
Grp Volume(v), veh/h	56	0	37	24	0	0	268	542	0	41	379	203
Grp Sat Flow(s),veh/h/ln	1774	0	1501	1785	0	1583	1721	1770	1583	1774	1695	1781
Q Serve(g_s), s	0.7	0.0	1.1	0.6	0.0	0.0	3.6	4.7	0.0	1.1	3.7	3.8
Cycle Q Clear(g_c), s	0.7	0.0	1.1	0.6	0.0	0.0	3.6	4.7	0.0	1.1	3.7	3.8
Prop In Lane	1.00		1.00	0.87		1.00	1.00		1.00	1.00		0.23
Lane Grp Cap(c), veh/h	433	0	183	41	0	36	399	1614	722	62	1272	669
V/C Ratio(X)	0.13	0.00	0.20	0.59	0.00	0.00	0.67	0.34	0.00	0.66	0.30	0.30
Avail Cap(c_a), veh/h	2387	0	1010	600	0	533	579	2135	955	224	1910	1004
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.6	0.0	18.8	23.0	0.0	0.0	20.2	8.3	0.0	22.7	10.5	10.5
Incr Delay (d2), s/veh	0.2	0.0	0.7	4.9	0.0	0.0	0.7	0.2	0.0	4.3	0.2	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	0.5	0.4	0.0	0.0	1.7	2.3	0.0	0.6	1.8	1.9
LnGrp Delay(d),s/veh	18.8	0.0	19.5	28.0	0.0	0.0	20.9	8.5	0.0	27.0	10.7	10.9
LnGrp LOS	B		B	C			C	A		C	B	B
Approach Vol, veh/h		93			24			810			623	
Approach Delay, s/veh		19.1			28.0			12.6			11.8	
Approach LOS		B			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.7	27.0		9.8	9.5	23.2		5.1
Change Period (Y+Rc), s	4.0	5.3		4.0	4.0	* 5.3		4.0
Max Green Setting (Gmax), s	6.0	28.7		32.0	8.0	* 27		16.0
Max Q Clear Time (g_c+I1), s	3.1	6.7		3.1	5.6	5.8		2.6
Green Ext Time (p_c), s	0.0	11.8		0.4	0.1	11.5		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	12.9
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	130			220	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00			0.98	0.97	
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1769	1863	1863	1544	1723	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				228		25
Link Speed (mph)		30	30		30	
Link Distance (ft)		834	642		429	
Travel Time (s)		19.0	14.6		9.8	

Intersection Summary	
Area Type:	Other



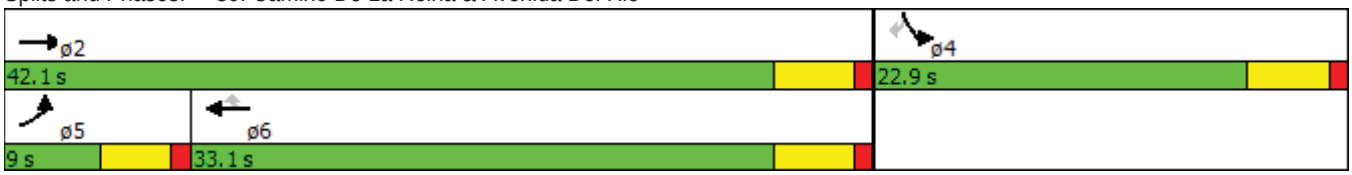
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	35	178	500	194	55	18
Confl. Peds. (#/hr)	1			1	13	
Confl. Bikes (#/hr)				4		
Peak Hour Factor	0.95	0.95	0.85	0.85	0.73	0.73
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	37	187	588	228	75	25
Shared Lane Traffic (%)						
Lane Group Flow (vph)	37	187	588	228	75	25

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	35	178	500	194	55	18
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	7.0	7.0	7.0	4.0	4.0
Minimum Split (s)	8.4	20.9	28.9	28.9	22.9	22.9
Total Split (s)	9.0	42.1	33.1	33.1	22.9	22.9
Total Split (%)	13.8%	64.8%	50.9%	50.9%	35.2%	35.2%
Yellow Time (s)	3.4	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	5.1	31.8	29.2	29.2	7.7	7.7
Actuated g/C Ratio	0.12	0.76	0.70	0.70	0.19	0.19
v/c Ratio	0.17	0.13	0.45	0.20	0.23	0.08
Control Delay	25.1	4.2	9.7	2.3	19.1	9.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.1	4.2	9.7	2.3	19.1	9.3
LOS	C	A	A	A	B	A
Approach Delay		7.7	7.7		16.7	
Approach LOS		A	A		B	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 41.6	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.45	
Intersection Signal Delay: 8.4	Intersection LOS: A
Intersection Capacity Utilization 40.6%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 39: Camino De La Reina & Avenida Del Rio





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	35	178	500	194	55	18
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	37	187	588	75	75	0
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.85	0.85	0.73	0.73
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	63	1148	813	674	109	98
Arrive On Green	0.04	0.62	0.44	0.44	0.06	0.00
Sat Flow, veh/h	1774	1863	1863	1545	1774	1583
Grp Volume(v), veh/h	37	187	588	75	75	0
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1545	1774	1583
Q Serve(g_s), s	0.6	1.3	7.9	0.9	1.3	0.0
Cycle Q Clear(g_c), s	0.6	1.3	7.9	0.9	1.3	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	63	1148	813	674	109	98
V/C Ratio(X)	0.59	0.16	0.72	0.11	0.69	0.00
Avail Cap(c_a), veh/h	268	2277	1726	1431	1049	937
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	14.5	2.5	7.1	5.1	14.0	0.0
Incr Delay (d2), s/veh	3.3	0.0	0.5	0.0	2.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.6	4.0	0.4	0.7	0.0
LnGrp Delay(d),s/veh	17.7	2.5	7.5	5.1	16.8	0.0
LnGrp LOS	B	A	A	A	B	
Approach Vol, veh/h		224	663		75	
Approach Delay, s/veh		5.0	7.3		16.8	
Approach LOS		A	A		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		23.7		6.8	5.5	18.2		
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9		
Max Green Setting (Gmax), s		37.2		18.0	4.6	28.2		
Max Q Clear Time (g_c+I1), s		3.3		3.3	2.6	9.9		
Green Ext Time (p_c), s		3.7		0.1	0.0	3.3		

Intersection Summary	
HCM 2010 Ctrl Delay	7.5
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	290		0	140		200	160		200	320		0
Storage Lanes	2		0	2		0	2		0	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.95	0.95	0.97	0.95	0.95	0.97	0.91	0.91	0.97	0.91	1.00
Ped Bike Factor	1.00	0.99		0.99	0.99		0.99	1.00		1.00		0.97
Frt		0.938			0.940			0.982				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	3293	0	3433	3300	0	3433	4983	0	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3418	3293	0	3413	3300	0	3406	4983	0	3420	5085	1529
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		69			115			16				151
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		2210			1926			473			996	
Travel Time (s)		50.2			43.8			8.1			17.0	

Intersection Summary	
Area Type:	Other



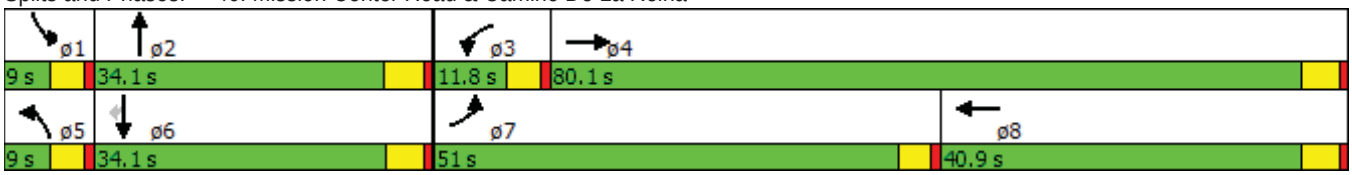
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	78	72	51	85	302	201	160	528	70	128	333	118
Confl. Peds. (#/hr)	5		6	6		5	6		4	4		6
Confl. Bikes (#/hr)			1			3						
Peak Hour Factor	0.74	0.74	0.74	0.95	0.95	0.95	0.88	0.88	0.88	0.78	0.78	0.78
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	105	97	69	89	318	212	182	600	80	164	427	151
Shared Lane Traffic (%)												
Lane Group Flow (vph)	105	166	0	89	530	0	182	680	0	164	427	151

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Configurations									
Volume (vph)	78	72	85	302	160	528	128	333	118
Turn Type	Prot	NA	Prot	NA	Prot	NA	Prot	NA	Perm
Protected Phases	7	4	3	8	5	2	1	6	
Permitted Phases									6
Detector Phase	7	4	3	8	5	2	1	6	6
Switch Phase									
Minimum Initial (s)	4.0	7.0	4.0	7.0	4.0	10.0	4.0	10.0	10.0
Minimum Split (s)	51.0	37.9	8.4	40.9	8.4	33.2	8.4	33.0	33.0
Total Split (s)	51.0	80.1	11.8	40.9	9.0	34.1	9.0	34.1	34.1
Total Split (%)	37.8%	59.3%	8.7%	30.3%	6.7%	25.3%	6.7%	25.3%	25.3%
Yellow Time (s)	3.4	3.9	3.4	3.9	3.4	4.2	3.4	4.0	4.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.4	4.9	4.4	5.2	4.4	5.0	5.0
Lead/Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Min	None	Min	Min
Act Effct Green (s)	7.1	18.9	6.5	18.4	4.9	17.4	4.9	17.6	17.6
Actuated g/C Ratio	0.11	0.29	0.10	0.28	0.08	0.27	0.08	0.27	0.27
v/c Ratio	0.28	0.17	0.26	0.52	0.70	0.51	0.63	0.31	0.29
Control Delay	33.6	11.7	34.4	17.7	51.0	22.5	47.4	21.2	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	33.6	11.7	34.4	17.7	51.0	22.5	47.4	21.2	6.2
LOS	C	B	C	B	D	C	D	C	A
Approach Delay		20.2		20.1		28.5		23.9	
Approach LOS		C		C		C		C	

Intersection Summary	
Cycle Length: 135	
Actuated Cycle Length: 65.1	
Natural Cycle: 135	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.70	
Intersection Signal Delay: 24.2	Intersection LOS: C
Intersection Capacity Utilization 53.3%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 40: Mission Center Road & Camino De La Reina



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	78	72	51	85	302	201	160	528	70	128	333	118
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	105	97	28	89	318	123	182	600	63	164	427	0
Adj No. of Lanes	2	2	0	2	2	0	2	3	0	2	3	1
Peak Hour Factor	0.74	0.74	0.74	0.95	0.95	0.95	0.88	0.88	0.88	0.78	0.78	0.78
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	187	707	196	173	638	241	253	1471	153	253	1599	498
Arrive On Green	0.05	0.26	0.26	0.05	0.26	0.26	0.07	0.31	0.31	0.07	0.31	0.00
Sat Flow, veh/h	3442	2726	755	3442	2497	945	3442	4678	486	3442	5085	1583
Grp Volume(v), veh/h	105	62	63	89	223	218	182	433	230	164	427	0
Grp Sat Flow(s),veh/h/ln	1721	1770	1712	1721	1770	1672	1721	1695	1774	1721	1695	1583
Q Serve(g_s), s	1.9	1.7	1.8	1.6	6.7	7.0	3.2	6.3	6.4	2.9	3.9	0.0
Cycle Q Clear(g_c), s	1.9	1.7	1.8	1.6	6.7	7.0	3.2	6.3	6.4	2.9	3.9	0.0
Prop In Lane	1.00		0.44	1.00		0.57	1.00		0.27	1.00		1.00
Lane Grp Cap(c), veh/h	187	459	444	173	452	427	253	1066	558	253	1599	498
V/C Ratio(X)	0.56	0.13	0.14	0.51	0.49	0.51	0.72	0.41	0.41	0.65	0.27	0.00
Avail Cap(c_a), veh/h	2564	2127	2058	407	1018	962	253	1566	819	253	2366	737
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	28.9	17.8	17.8	29.0	19.8	19.9	28.3	16.8	16.9	28.2	16.0	0.0
Incr Delay (d2), s/veh	1.0	0.1	0.2	0.9	1.6	1.8	8.3	0.4	0.9	4.5	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.8	0.9	0.8	3.5	3.4	1.8	3.0	3.3	1.5	1.8	0.0
LnGrp Delay(d),s/veh	29.8	17.9	18.0	29.8	21.5	21.8	36.6	17.3	17.8	32.7	16.2	0.0
LnGrp LOS	C	B	B	C	C	C	D	B	B	C	B	
Approach Vol, veh/h		230			530			845			591	
Approach Delay, s/veh		23.4			23.0			21.6			20.8	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	24.9	7.5	21.1	9.0	24.9	7.8	20.9
Change Period (Y+Rc), s	4.4	5.2	4.4	4.9	4.4	* 5.2	4.4	4.9
Max Green Setting (Gmax), s	4.6	28.9	7.4	75.2	4.6	* 29	46.6	36.0
Max Q Clear Time (g_c+I1), s	4.9	8.4	3.6	3.8	5.2	5.9	3.9	9.0
Green Ext Time (p_c), s	0.0	10.8	0.0	6.9	0.0	11.6	0.2	5.9

Intersection Summary	
HCM 2010 Ctrl Delay	21.9
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	120		200	260		200	160		200	160		200
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor	1.00		0.98	1.00		0.98	1.00		0.99	1.00		0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	3539	1583	1770	3539	1583
Flt Permitted	0.950			0.950			0.628			0.722		
Satd. Flow (perm)	1765	3539	1556	1764	3539	1545	1167	3539	1561	1342	3539	1558
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			81			81			83			83
Link Speed (mph)		30			30			25			25	
Link Distance (ft)		1318			1328			752			1348	
Travel Time (s)		30.0			30.2			20.5			36.8	

Intersection Summary	
Area Type:	Other



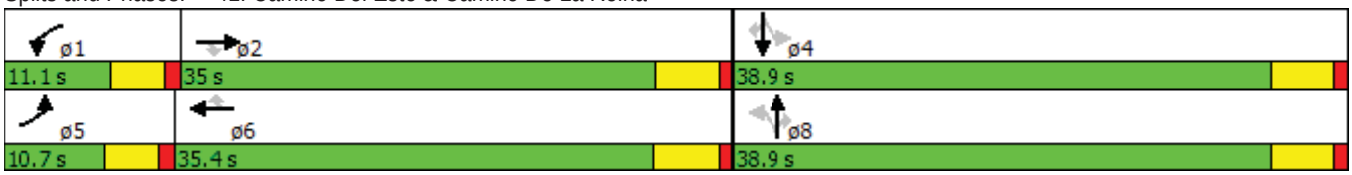
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	36	95	28	43	267	14	37	38	17	41	173	63
Confl. Peds. (#/hr)	3		4	4		3	4		3	3		4
Confl. Bikes (#/hr)			3									2
Peak Hour Factor	0.83	0.83	0.83	0.84	0.84	0.84	0.74	0.74	0.74	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	43	114	34	51	318	17	50	51	23	47	197	72
Shared Lane Traffic (%)												
Lane Group Flow (vph)	43	114	34	51	318	17	50	51	23	47	197	72

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	36	95	28	43	267	14	37	38	17	41	173	63
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Perm	NA	Perm	Perm	NA	Perm
Protected Phases	5	2		1	6			8			4	
Permitted Phases			2			6	8		8	4		4
Detector Phase	5	2	2	1	6	6	8	8	8	4	4	4
Switch Phase												
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	33.0	33.0	8.4	35.1	35.1	36.9	36.9	36.9	38.9	38.9	38.9
Total Split (s)	10.7	35.0	35.0	11.1	35.4	35.4	38.9	38.9	38.9	38.9	38.9	38.9
Total Split (%)	12.6%	41.2%	41.2%	13.1%	41.6%	41.6%	45.8%	45.8%	45.8%	45.8%	45.8%	45.8%
Yellow Time (s)	3.4	4.0	4.0	3.4	4.1	4.1	3.9	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.0	5.0	4.4	5.1	5.1	4.9	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag						
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes						
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	None	None	None
Act Effct Green (s)	6.2	16.9	16.9	6.4	19.2	19.2	10.5	10.5	10.5	10.5	10.5	10.5
Actuated g/C Ratio	0.14	0.39	0.39	0.15	0.45	0.45	0.25	0.25	0.25	0.25	0.25	0.25
v/c Ratio	0.17	0.08	0.05	0.19	0.20	0.02	0.17	0.06	0.05	0.14	0.23	0.16
Control Delay	24.8	12.1	0.4	24.5	9.9	0.1	14.6	12.7	0.2	14.0	13.1	4.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	24.8	12.1	0.4	24.5	9.9	0.1	14.6	12.7	0.2	14.0	13.1	4.5
LOS	C	B	A	C	A	A	B	B	A	B	B	A
Approach Delay		12.9			11.4			11.2			11.3	
Approach LOS		B			B			B			B	

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 42.8	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.23	
Intersection Signal Delay: 11.6	Intersection LOS: B
Intersection Capacity Utilization 40.6%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 41: Camino Del Este & Camino De La Reina



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	36	95	28	43	267	14	37	38	17	41	173	63
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	43	114	0	51	318	0	50	51	0	47	197	15
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.83	0.83	0.83	0.84	0.84	0.84	0.74	0.74	0.74	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	70	1096	490	80	1116	499	410	758	339	487	758	332
Arrive On Green	0.04	0.31	0.00	0.05	0.32	0.00	0.21	0.21	0.00	0.21	0.21	0.21
Sat Flow, veh/h	1774	3539	1583	1774	3539	1583	1160	3539	1583	1341	3539	1552
Grp Volume(v), veh/h	43	114	0	51	318	0	50	51	0	47	197	15
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1774	1770	1583	1160	1770	1583	1341	1770	1552
Q Serve(g_s), s	0.8	0.8	0.0	0.9	2.3	0.0	1.3	0.4	0.0	1.0	1.5	0.3
Cycle Q Clear(g_c), s	0.8	0.8	0.0	0.9	2.3	0.0	2.8	0.4	0.0	1.4	1.5	0.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	70	1096	490	80	1116	499	410	758	339	487	758	332
V/C Ratio(X)	0.62	0.10	0.00	0.64	0.28	0.00	0.12	0.07	0.00	0.10	0.26	0.05
Avail Cap(c_a), veh/h	335	3180	1422	356	3211	1437	1343	3603	1612	1566	3603	1581
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	15.8	8.2	0.0	15.7	8.6	0.0	12.1	10.5	0.0	11.0	10.9	10.4
Incr Delay (d2), s/veh	3.2	0.0	0.0	3.1	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.4	0.0	0.5	1.1	0.0	0.4	0.2	0.0	0.4	0.8	0.1
LnGrp Delay(d),s/veh	19.0	8.3	0.0	18.8	8.7	0.0	12.2	10.5	0.0	11.1	11.0	10.5
LnGrp LOS	B	A		B	A		B	B		B	B	B
Approach Vol, veh/h		157			369			101			259	
Approach Delay, s/veh		11.2			10.1			11.3			11.0	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.9	15.4		12.0	5.7	15.6		12.0
Change Period (Y+Rc), s	4.4	* 5.1		4.9	4.4	5.1		4.9
Max Green Setting (Gmax), s	6.7	* 30		34.0	6.3	30.3		34.0
Max Q Clear Time (g_c+I1), s	2.9	2.8		3.5	2.8	4.3		4.8
Green Ext Time (p_c), s	0.0	3.0		1.6	0.0	2.9		1.6

Intersection Summary	
HCM 2010 Ctrl Delay	10.7
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		0	250		200	0		200	250		200
Storage Lanes	1		0	2		1	2		1	2		1
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	1.00	0.95	0.95	0.97	0.95	1.00	0.97	0.91	1.00	0.97	0.91	1.00
Ped Bike Factor	1.00	0.99				0.98	1.00		0.99	1.00		0.99
Frt		0.925				0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3252	0	3433	3539	1583	3433	5085	1583	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1764	3252	0	3433	3539	1557	3430	5085	1562	3431	5085	1562
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		91				170			269			132
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		1328			1080			469			1368	
Travel Time (s)		30.2			24.5			7.1			20.7	

Intersection Summary	
Area Type:	Other



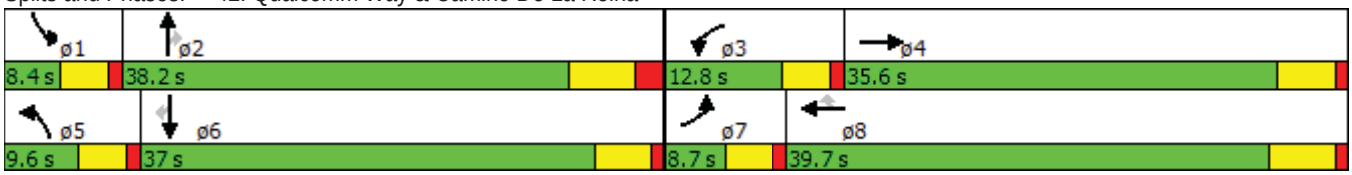
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	33	78	77	122	182	143	109	822	264	68	401	60
Confl. Peds. (#/hr)	5					5	1		1	1		1
Confl. Bikes (#/hr)			2			1			1			1
Peak Hour Factor	0.85	0.85	0.85	0.84	0.84	0.84	0.98	0.98	0.98	0.97	0.97	0.97
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	39	92	91	145	217	170	111	839	269	70	413	62
Shared Lane Traffic (%)												
Lane Group Flow (vph)	39	183	0	145	217	170	111	839	269	70	413	62

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	33	78	122	182	143	109	822	264	68	401	60
Turn Type	Prot	NA	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4	3	8		5	2		1	6	
Permitted Phases					8			2			6
Detector Phase	7	4	3	8	8	5	2	2	1	6	6
Switch Phase											
Minimum Initial (s)	4.0	7.0	4.0	7.0	7.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	23.1	8.4	39.7	39.7	8.4	37.7	37.7	8.4	36.9	36.9
Total Split (s)	8.7	35.6	12.8	39.7	39.7	9.6	38.2	38.2	8.4	37.0	37.0
Total Split (%)	9.2%	37.5%	13.5%	41.8%	41.8%	10.1%	40.2%	40.2%	8.8%	38.9%	38.9%
Yellow Time (s)	3.4	4.1	3.4	4.7	4.7	3.4	4.7	4.7	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.1	4.4	5.7	5.7	4.4	6.7	6.7	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	4.9	11.1	7.4	16.4	16.4	5.9	17.8	17.8	4.6	17.0	17.0
Actuated g/C Ratio	0.09	0.20	0.13	0.29	0.29	0.11	0.32	0.32	0.08	0.30	0.30
v/c Ratio	0.25	0.25	0.32	0.21	0.29	0.31	0.52	0.40	0.25	0.27	0.11
Control Delay	37.0	12.8	30.2	17.4	5.4	32.9	18.6	5.0	33.9	17.2	0.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.0	12.8	30.2	17.4	5.4	32.9	18.6	5.0	33.9	17.2	0.4
LOS	D	B	C	B	A	C	B	A	C	B	A
Approach Delay		17.1		17.0			16.9			17.5	
Approach LOS		B		B			B			B	

Intersection Summary	
Cycle Length: 95	
Actuated Cycle Length: 55.8	
Natural Cycle: 95	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.52	
Intersection Signal Delay: 17.1	Intersection LOS: B
Intersection Capacity Utilization 49.8%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 42: Qualcomm Way & Camino De La Reina



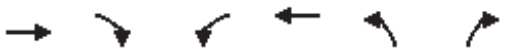
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	33	78	77	122	182	143	109	822	264	68	401	60
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	39	92	20	145	217	39	111	839	85	70	413	0
Adj No. of Lanes	1	2	0	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.85	0.85	0.85	0.84	0.84	0.84	0.98	0.98	0.98	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	58	374	79	242	590	258	206	1836	564	166	1775	553
Arrive On Green	0.03	0.13	0.13	0.07	0.17	0.17	0.06	0.36	0.36	0.05	0.35	0.00
Sat Flow, veh/h	1774	2896	609	3442	3539	1548	3442	5085	1562	3442	5085	1583
Grp Volume(v), veh/h	39	55	57	145	217	39	111	839	85	70	413	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1736	1721	1770	1548	1721	1695	1562	1721	1695	1583
Q Serve(g_s), s	1.2	1.5	1.6	2.2	2.9	1.2	1.7	6.8	2.0	1.1	3.1	0.0
Cycle Q Clear(g_c), s	1.2	1.5	1.6	2.2	2.9	1.2	1.7	6.8	2.0	1.1	3.1	0.0
Prop In Lane	1.00		0.35	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	58	228	224	242	590	258	206	1836	564	166	1775	553
V/C Ratio(X)	0.67	0.24	0.25	0.60	0.37	0.15	0.54	0.46	0.15	0.42	0.23	0.00
Avail Cap(c_a), veh/h	141	997	977	534	2222	972	330	2958	909	254	3014	939
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	25.9	21.2	21.2	24.4	20.0	19.3	24.7	13.2	11.7	25.0	12.5	0.0
Incr Delay (d2), s/veh	4.9	0.4	0.4	0.9	0.1	0.1	0.8	0.2	0.1	0.6	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.8	0.8	1.1	1.5	0.5	0.8	3.2	0.9	0.5	1.5	0.0
LnGrp Delay(d),s/veh	30.8	21.6	21.7	25.3	20.2	19.4	25.5	13.4	11.8	25.7	12.7	0.0
LnGrp LOS	C	C	C	C	C	B	C	B	B	C	B	
Approach Vol, veh/h		151			401			1035			483	
Approach Delay, s/veh		24.0			22.0			14.6			14.5	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.0	26.2	8.2	12.7	7.6	25.6	6.2	14.7
Change Period (Y+Rc), s	4.4	6.7	4.4	* 5.7	4.4	* 6.7	4.4	5.7
Max Green Setting (Gmax), s	4.0	31.5	8.4	* 31	5.2	* 32	4.3	34.0
Max Q Clear Time (g_c+I1), s	3.1	8.8	4.2	3.6	3.7	5.1	3.2	4.9
Green Ext Time (p_c), s	0.0	10.6	0.1	1.5	0.0	11.6	0.0	1.6

Intersection Summary	
HCM 2010 Ctrl Delay	16.7
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		0	70		80	0
Storage Lanes		1	1		1	1
Taper Length (ft)			25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		0.98	1.00			
Frt		0.850				0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	1863	1583	1770	1863	1770	1583
Flt Permitted			0.950		0.950	
Satd. Flow (perm)	1863	1549	1768	1863	1770	1583
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		54				54
Link Speed (mph)	35			35	25	
Link Distance (ft)	1295			433	1067	
Travel Time (s)	25.2			8.4	29.1	

Intersection Summary	
Area Type:	Other



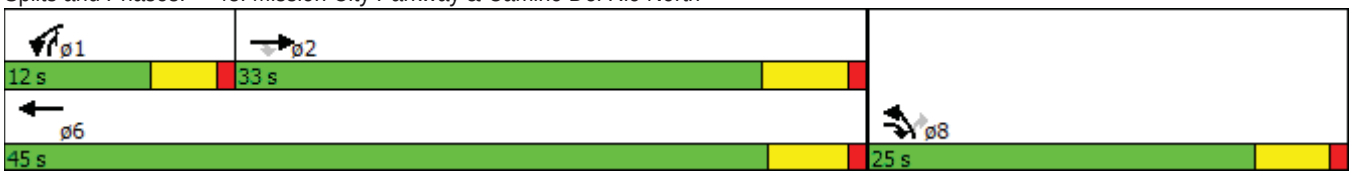
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	96	44	128	496	404	49
Confl. Peds. (#/hr)		1	1			
Confl. Bikes (#/hr)						
Peak Hour Factor	0.81	0.81	0.85	0.85	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	119	54	151	584	444	54
Shared Lane Traffic (%)						
Lane Group Flow (vph)	119	54	151	584	444	54

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (vph)	96	44	128	496	404	49
Turn Type	NA	pm+ov	Prot	NA	Prot	pm+ov
Protected Phases	2	8	1	6	8	1
Permitted Phases		2				8
Detector Phase	2	8	1	6	8	1
Switch Phase						
Minimum Initial (s)	7.0	4.0	4.0	7.0	4.0	4.0
Minimum Split (s)	31.6	23.9	8.4	21.3	23.9	8.4
Total Split (s)	33.0	25.0	12.0	45.0	25.0	12.0
Total Split (%)	47.1%	35.7%	17.1%	64.3%	35.7%	17.1%
Yellow Time (s)	4.6	3.9	3.4	4.3	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	4.9	4.4	5.3	4.9	4.4
Lead/Lag	Lag		Lead			Lead
Lead-Lag Optimize?	Yes		Yes			Yes
Recall Mode	Min	None	None	Min	None	None
Act Effct Green (s)	11.5	29.4	7.5	23.9	17.2	29.8
Actuated g/C Ratio	0.22	0.57	0.15	0.46	0.33	0.58
v/c Ratio	0.29	0.06	0.59	0.68	0.76	0.06
Control Delay	18.4	1.0	36.3	15.6	27.5	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	18.4	1.0	36.3	15.6	27.5	3.0
LOS	B	A	D	B	C	A
Approach Delay	13.0			19.8	24.9	
Approach LOS	B			B	C	

Intersection Summary	
Cycle Length: 70	
Actuated Cycle Length: 51.6	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.76	
Intersection Signal Delay: 20.8	Intersection LOS: C
Intersection Capacity Utilization 57.0%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 43: Mission City Parkway & Camino Del Rio North



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	96	44	128	496	404	49
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	119	0	151	584	444	0
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.81	0.81	0.85	0.85	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	423	828	193	829	525	641
Arrive On Green	0.23	0.00	0.11	0.44	0.30	0.00
Sat Flow, veh/h	1863	1583	1774	1863	1774	1583
Grp Volume(v), veh/h	119	0	151	584	444	0
Grp Sat Flow(s),veh/h/ln	1863	1583	1774	1863	1774	1583
Q Serve(g_s), s	2.1	0.0	3.4	10.3	9.5	0.0
Cycle Q Clear(g_c), s	2.1	0.0	3.4	10.3	9.5	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	423	828	193	829	525	641
V/C Ratio(X)	0.28	0.00	0.78	0.70	0.85	0.00
Avail Cap(c_a), veh/h	1261	1540	333	1827	881	959
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	12.9	0.0	17.6	9.1	13.4	0.0
Incr Delay (d2), s/veh	0.4	0.0	2.6	1.2	1.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	1.8	5.5	4.8	0.0
LnGrp Delay(d),s/veh	13.3	0.0	20.2	10.3	15.0	0.0
LnGrp LOS	B		C	B	B	
Approach Vol, veh/h	119			735	444	
Approach Delay, s/veh	13.3			12.3	15.0	
Approach LOS	B			B	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	8.8	14.8				23.6		16.9
Change Period (Y+Rc), s	4.4	5.6				* 5.6		4.9
Max Green Setting (Gmax), s	7.6	27.4				* 40		20.1
Max Q Clear Time (g_c+I1), s	5.4	4.1				12.3		11.5
Green Ext Time (p_c), s	0.0	5.0				5.2		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	13.3
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	95			80	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00
Ped Bike Factor	1.00			0.99		
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	3539	3539	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1768	3539	3539	1561	1770	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				365		121
Link Speed (mph)		35	35		45	
Link Distance (ft)		1490	1635		1851	
Travel Time (s)		29.0	31.9		28.0	

Intersection Summary	
Area Type:	Other



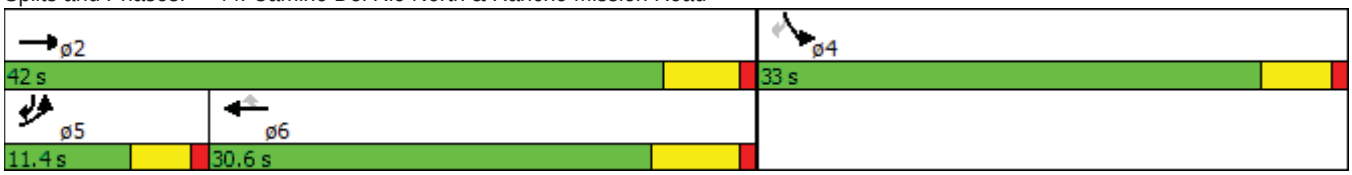
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	52	34	477	321	236	247
Confl. Peds. (#/hr)	2			2		
Confl. Bikes (#/hr)						
Peak Hour Factor	0.80	0.80	0.88	0.88	0.84	0.84
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	65	42	542	365	281	294
Shared Lane Traffic (%)						
Lane Group Flow (vph)	65	42	542	365	281	294

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	52	34	477	321	236	247
Turn Type	Prot	NA	NA	Perm	Prot	pm+ov
Protected Phases	5	2	6		4	5
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	5
Switch Phase						
Minimum Initial (s)	4.0	10.0	10.0	10.0	4.0	4.0
Minimum Split (s)	8.4	21.3	30.0	30.0	32.9	8.4
Total Split (s)	11.4	42.0	30.6	30.6	33.0	11.4
Total Split (%)	15.2%	56.0%	40.8%	40.8%	44.0%	15.2%
Yellow Time (s)	3.4	4.3	5.0	5.0	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.3	6.0	6.0	4.9	4.4
Lead/Lag	Lead		Lag	Lag		Lead
Lead-Lag Optimize?	Yes		Yes	Yes		Yes
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	6.1	26.1	14.7	14.7	12.5	23.7
Actuated g/C Ratio	0.12	0.53	0.30	0.30	0.25	0.48
v/c Ratio	0.30	0.02	0.51	0.51	0.63	0.36
Control Delay	26.9	6.4	16.7	4.8	23.9	6.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.9	6.4	16.7	4.8	23.9	6.5
LOS	C	A	B	A	C	A
Approach Delay		18.8	11.9		15.0	
Approach LOS		B	B		B	

Intersection Summary	
Cycle Length: 75	
Actuated Cycle Length: 49.2	
Natural Cycle: 75	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.63	
Intersection Signal Delay: 13.5	Intersection LOS: B
Intersection Capacity Utilization 42.8%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 44: Camino Del Rio North & Rancho Mission Road





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	52	34	477	321	236	247
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	65	42	542	87	281	151
Adj No. of Lanes	1	2	2	1	1	1
Peak Hour Factor	0.80	0.80	0.88	0.88	0.84	0.84
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	93	1755	1156	516	380	422
Arrive On Green	0.05	0.50	0.33	0.33	0.21	0.21
Sat Flow, veh/h	1774	3632	3632	1578	1774	1583
Grp Volume(v), veh/h	65	42	542	87	281	151
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1578	1774	1583
Q Serve(g_s), s	1.4	0.2	4.6	1.5	5.6	2.9
Cycle Q Clear(g_c), s	1.4	0.2	4.6	1.5	5.6	2.9
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	93	1755	1156	516	380	422
V/C Ratio(X)	0.70	0.02	0.47	0.17	0.74	0.36
Avail Cap(c_a), veh/h	330	3452	2314	1032	1325	1265
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.5	4.8	10.1	9.0	13.8	11.2
Incr Delay (d2), s/veh	3.5	0.0	0.5	0.2	1.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.1	2.3	0.7	2.8	2.7
LnGrp Delay(d),s/veh	21.1	4.8	10.5	9.3	14.9	11.4
LnGrp LOS	C	A	B	A	B	B
Approach Vol, veh/h		107	629		432	
Approach Delay, s/veh		14.7	10.4		13.6	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		24.7		13.0	6.4	18.3		
Change Period (Y+Rc), s		* 6		4.9	4.4	6.0		
Max Green Setting (Gmax), s		* 37		28.1	7.0	24.6		
Max Q Clear Time (g_c+I1), s		2.2		7.6	3.4	6.6		
Green Ext Time (p_c), s		7.0		0.6	0.0	5.6		

Intersection Summary	
HCM 2010 Ctrl Delay	12.0
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	130		0	520		140	220		200	90		150
Storage Lanes	1		1	1		1	1		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	0.91	0.86	0.91	1.00	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor			0.99	1.00	1.00				0.98	1.00		
Frt			0.850		0.994	0.850			0.850			0.850
Flt Protected	0.950	0.985		0.950	0.989		0.950			0.950		
Satd. Flow (prot)	1681	1743	1583	1610	3150	1441	1770	3539	1583	3433	3539	1583
Flt Permitted	0.950	0.985		0.950	0.989		0.950			0.950		
Satd. Flow (perm)	1681	1743	1562	1608	3148	1441	1770	3539	1558	3429	3539	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			68		3	165			168			165
Link Speed (mph)		35			45			45			45	
Link Distance (ft)		1214			1000			780			968	
Travel Time (s)		23.6			15.2			11.8			14.7	

Intersection Summary	
Area Type:	Other
Description: min green reduce to match split	



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	44	24	322	409	412	249	380	1286	169	14	754	102
Confl. Peds. (#/hr)			1	1					5	5		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.85	0.85	0.85	0.91	0.91	0.91	0.96	0.96	0.96	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	52	28	379	449	453	274	396	1340	176	15	811	110
Shared Lane Traffic (%)	24%			32%		10%						
Lane Group Flow (vph)	40	40	379	305	624	247	396	1340	176	15	811	110

Intersection Summary
Description: min green reduce to match split

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	44	24	322	409	412	249	380	1286	169	14	754	102
Turn Type	Split	NA	pm+ov	Split	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	4	4	5	8	8		5	2		1	6	
Permitted Phases			4			8			2			6
Detector Phase	4	4	5	8	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.9	4.9	13.0	14.0	14.0	14.0	13.0	15.0	15.0	2.9	15.0	15.0
Minimum Split (s)	10.0	10.0	18.1	25.0	25.0	25.0	18.1	48.1	48.1	8.0	44.1	44.1
Total Split (s)	10.0	10.0	27.0	25.0	25.0	25.0	27.0	72.0	72.0	8.0	53.0	53.0
Total Split (%)	8.7%	8.7%	23.5%	21.7%	21.7%	21.7%	23.5%	62.6%	62.6%	7.0%	46.1%	46.1%
Yellow Time (s)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Lead/Lag			Lead				Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?			Yes				Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	C-Max	C-Max	None	C-Max	C-Max
Act Effct Green (s)	4.9	4.9	25.8	21.9	21.9	21.9	21.9	71.7	71.7	2.9	47.9	47.9
Actuated g/C Ratio	0.04	0.04	0.22	0.19	0.19	0.19	0.19	0.62	0.62	0.03	0.42	0.42
v/c Ratio	0.56	0.54	0.93	1.00	1.04	0.61	1.18	0.61	0.17	0.17	0.55	0.15
Control Delay	83.4	80.2	62.4	98.7	92.6	22.4	147.0	15.2	2.2	59.5	27.2	1.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	83.4	80.2	62.4	98.7	92.6	22.4	147.0	15.2	2.2	59.5	27.2	1.1
LOS	F	F	E	F	F	C	F	B	A	E	C	A
Approach Delay		65.8			79.4			41.3			24.6	
Approach LOS		E			E			D			C	

Intersection Summary	
Cycle Length: 115	
Actuated Cycle Length: 115	
Offset: 90 (78%), Referenced to phase 2:NBT and 6:SBT, Start of Green	
Natural Cycle: 110	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 1.18	
Intersection Signal Delay: 50.3	Intersection LOS: D
Intersection Capacity Utilization 76.3%	ICU Level of Service D
Analysis Period (min) 15	
Description: min green reduce to match split	

Splits and Phases: 45: Mission Gorge Road & Camino Del Rio North/I-8 WB Off Ramps



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	44	24	322	409	412	249	380	1286	169	14	754	102
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	40	45	73	299	662	126	396	1340	103	15	811	8
Adj No. of Lanes	1	1	1	1	2	1	1	2	1	2	2	1
Peak Hour Factor	0.85	0.85	0.85	0.91	0.91	0.91	0.96	0.96	0.96	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	76	79	369	307	645	274	338	2114	943	33	1474	657
Arrive On Green	0.04	0.04	0.04	0.17	0.17	0.17	0.19	0.60	0.60	0.01	0.42	0.42
Sat Flow, veh/h	1774	1863	1572	1774	3725	1581	1774	3539	1579	3442	3539	1578
Grp Volume(v), veh/h	40	45	73	299	662	126	396	1340	103	15	811	8
Grp Sat Flow(s),veh/h/ln	1774	1863	1572	1774	1863	1581	1774	1770	1579	1721	1770	1578
Q Serve(g_s), s	2.5	2.7	4.3	19.3	19.9	8.2	21.9	28.2	3.2	0.5	19.9	0.3
Cycle Q Clear(g_c), s	2.5	2.7	4.3	19.3	19.9	8.2	21.9	28.2	3.2	0.5	19.9	0.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	76	79	369	307	645	274	338	2114	943	33	1474	657
V/C Ratio(X)	0.53	0.57	0.20	0.97	1.03	0.46	1.17	0.63	0.11	0.45	0.55	0.01
Avail Cap(c_a), veh/h	76	79	369	307	645	274	338	2114	943	87	1474	657
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.62	0.62	0.62	1.00	1.00	1.00
Uniform Delay (d), s/veh	53.9	54.0	35.5	47.3	47.5	42.7	46.5	15.0	10.0	56.6	25.4	19.7
Incr Delay (d2), s/veh	3.5	5.9	0.1	44.0	42.5	0.5	95.8	0.9	0.1	3.6	1.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	1.5	1.9	13.2	14.0	3.6	19.7	14.0	1.4	0.3	10.0	0.2
LnGrp Delay(d),s/veh	57.4	59.9	35.6	91.3	90.0	43.2	142.3	15.9	10.1	60.2	26.9	19.7
LnGrp LOS	E	E	D	F	F	D	F	B	B	E	C	B
Approach Vol, veh/h		158			1087			1839			834	
Approach Delay, s/veh		48.0			84.9			42.8			27.4	
Approach LOS		D			F			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.2	73.8		10.0	27.0	53.0		25.0
Change Period (Y+Rc), s	5.1	5.1		5.1	5.1	5.1		5.1
Max Green Setting (Gmax), s	2.9	66.9		4.9	21.9	47.9		19.9
Max Q Clear Time (g_c+I1), s	2.5	30.2		6.3	23.9	21.9		21.9
Green Ext Time (p_c), s	0.0	13.6		0.0	0.0	11.9		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	51.4
HCM 2010 LOS	D

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		140	90		0
Storage Lanes	0		0	0		1	0		1	1		1
Taper Length (ft)	0			0			0			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt						0.850			0.850			0.850
Flt Protected										0.950		
Satd. Flow (prot)	0	0	0	0	1863	1583	0	3539	1583	1770	0	1583
Flt Permitted										0.950		
Satd. Flow (perm)	0	0	0	0	1863	1583	0	3539	1583	1770	0	1583
Right Turn on Red			Yes			Yes	Yes		Yes			Yes
Satd. Flow (RTOR)						478			132			210
Link Speed (mph)		35			30			30			30	
Link Distance (ft)		599			191			329			288	
Travel Time (s)		11.7			4.3			7.5			6.5	

Intersection Summary	
Area Type:	Other



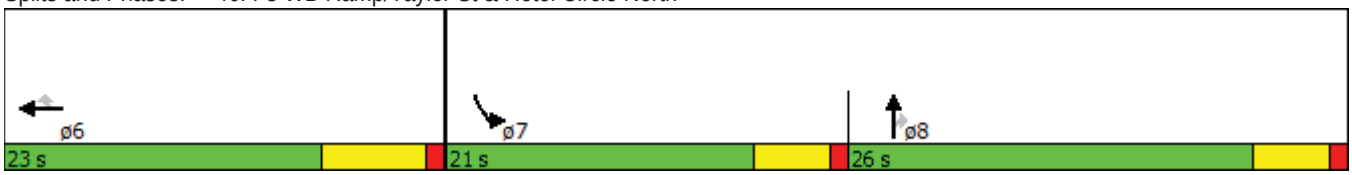
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	0	231	438	0	811	43	137	0	137
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.25	0.25	0.25	0.79	0.79	0.79	0.82	0.82	0.82	0.67	0.67	0.67
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	0	292	554	0	989	52	204	0	204
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	292	554	0	989	52	204	0	204

Intersection Summary

Lane Group	WBT	WBR	NBT	NBR	SBL	SBR
Lane Configurations						
Volume (vph)	231	438	811	43	137	137
Turn Type	NA	Perm	NA	Perm	Prot	Free
Protected Phases	6		8		7	
Permitted Phases		6		8		Free
Detector Phase	6	6	8	8	7	
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	
Minimum Split (s)	22.5	22.5	21.0	21.0	21.0	
Total Split (s)	23.0	23.0	26.0	26.0	21.0	
Total Split (%)	32.9%	32.9%	37.1%	37.1%	30.0%	
Yellow Time (s)	5.5	5.5	4.0	4.0	4.0	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.5	6.5	5.0	5.0	5.0	
Lead/Lag			Lag	Lag	Lead	
Lead-Lag Optimize?			Yes	Yes	Yes	
Recall Mode	Min	Min	None	None	None	
Act Effct Green (s)	14.7	14.7	19.8	19.8	10.5	61.8
Actuated g/C Ratio	0.24	0.24	0.32	0.32	0.17	1.00
v/c Ratio	0.66	0.75	0.87	0.09	0.68	0.13
Control Delay	30.8	12.0	31.6	0.3	36.7	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.8	12.0	31.6	0.3	36.7	0.2
LOS	C	B	C	A	D	A
Approach Delay	18.5		30.1			
Approach LOS	B		C			

Intersection Summary	
Cycle Length: 70	
Actuated Cycle Length: 61.8	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.87	
Intersection Signal Delay: 23.7	Intersection LOS: C
Intersection Capacity Utilization 59.1%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 46: I-8 WB Ramp/Taylor St & Hotel Circle North





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	0	231	438	0	811	43	137	0	137
Number				1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				0	1863	1863	0	1863	1863	1863	0	1863
Adj Flow Rate, veh/h				0	292	92	0	989	0	204	0	0
Adj No. of Lanes				0	1	1	0	2	1	1	0	1
Peak Hour Factor				0.79	0.79	0.79	0.82	0.82	0.82	0.67	0.67	0.67
Percent Heavy Veh, %				0	2	2	0	2	2	2	0	2
Cap, veh/h				0	0	0	0	1487	665	277	0	0
Arrive On Green				0.00	0.00	0.00	0.00	0.42	0.00	0.16	0.00	0.00
Sat Flow, veh/h					0		0	3632	1583	1774	204	
Grp Volume(v), veh/h					0.0		0	989	0	204	10.9	
Grp Sat Flow(s),veh/h/ln							0	1770	1583	1774	B	
Q Serve(g_s), s							0.0	5.3	0.0	2.6		
Cycle Q Clear(g_c), s							0.0	5.3	0.0	2.6		
Prop In Lane							0.00		1.00	1.00		
Lane Grp Cap(c), veh/h							0	1487	665	277		
V/C Ratio(X)							0.00	0.67	0.00	0.74		
Avail Cap(c_a), veh/h							0	3149	1409	1203		
HCM Platoon Ratio							1.00	1.00	1.00	1.00		
Upstream Filter(I)							0.00	1.00	0.00	1.00		
Uniform Delay (d), s/veh							0.0	5.5	0.0	9.5		
Incr Delay (d2), s/veh							0.0	0.2	0.0	1.4		
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln							0.0	2.5	0.0	1.4		
LnGrp Delay(d),s/veh							0.0	5.7	0.0	10.9		
LnGrp LOS								A		B		
Approach Vol, veh/h								989				
Approach Delay, s/veh								5.7				
Approach LOS								A				

Timer	1	2	3	4	5	6	7	8
Assigned Phs							7	8
Phs Duration (G+Y+Rc), s							8.7	14.9
Change Period (Y+Rc), s							5.0	5.0
Max Green Setting (Gmax), s							16.0	21.0
Max Q Clear Time (g_c+I1), s							4.6	7.3
Green Ext Time (p_c), s							0.1	2.6

Intersection Summary	
HCM 2010 Ctrl Delay	6.6
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	90		0	0		230	0		0
Storage Lanes	0		0	1		0	0		1	0		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.992			0.988				0.850		0.984	
Flt Protected				0.950				0.954			0.963	
Satd. Flow (prot)	0	1848	0	1770	1840	0	0	1777	1583	0	1765	0
Flt Permitted				0.950				0.954			0.963	
Satd. Flow (perm)	0	1848	0	1770	1840	0	0	1777	1583	0	1765	0
Link Speed (mph)		35			35			30			30	
Link Distance (ft)		1334			890			500			305	
Travel Time (s)		26.0			17.3			11.4			6.9	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	111	7	89	174	15	343	16	672	8	1	1
Confl. Peds. (#/hr)	8		9	9		8			2	2		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.80	0.80	0.80	0.90	0.90	0.90	0.91	0.91	0.91	0.62	0.62	0.62
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	139	9	99	193	17	377	18	738	13	2	2
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	148	0	99	210	0	0	395	738	0	17	0

Intersection Summary

Intersection	
Intersection Delay, s/veh	36.6
Intersection LOS	E

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Vol, veh/h	0	0	111	7	0	89	174	15	0	343	16	672
Peak Hour Factor	0.80	0.80	0.80	0.80	0.92	0.90	0.90	0.90	0.91	0.91	0.91	0.91
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	139	9	0	99	193	17	0	377	18	738
Number of Lanes	0	0	1	0	0	1	1	0	0	0	1	1

Approach	EB	WB	NB
Opposing Approach	WB	EB	SB
Opposing Lanes	2	1	1
Conflicting Approach Left	SB	NB	EB
Conflicting Lanes Left	1	2	1
Conflicting Approach Right	NB	SB	WB
Conflicting Lanes Right	2	1	2
HCM Control Delay	13	14.1	46.2
HCM LOS	B	B	E

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1
Vol Left, %	96%	0%	0%	100%	0%	80%
Vol Thru, %	4%	0%	94%	0%	92%	10%
Vol Right, %	0%	100%	6%	0%	8%	10%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	359	672	118	89	189	10
LT Vol	343	0	0	89	0	8
Through Vol	16	0	111	0	174	1
RT Vol	0	672	7	0	15	1
Lane Flow Rate	395	738	148	99	210	16
Geometry Grp	7	7	6	7	7	6
Degree of Util (X)	0.726	1	0.291	0.211	0.416	0.033
Departure Headway (Hd)	6.622	5.43	7.097	7.696	7.13	7.394
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	548	672	510	466	504	487
Service Time	4.322	3.13	5.089	5.452	4.898	5.394
HCM Lane V/C Ratio	0.721	1.098	0.29	0.212	0.417	0.033
HCM Control Delay	24.9	57.6	13	12.5	14.9	10.6
HCM Lane LOS	C	F	B	B	B	B
HCM 95th-tile Q	6	15.8	1.2	0.8	2	0.1

Intersection	
Intersection Delay, s/veh	
Intersection LOS	

Movement	SBU	SBL	SBT	SBR
Vol, veh/h	0	8	1	1
Peak Hour Factor	0.92	0.62	0.62	0.62
Heavy Vehicles, %	2	2	2	2
Mvmt Flow	0	13	2	2
Number of Lanes	0	0	1	0

Approach	SB
Opposing Approach	NB
Opposing Lanes	2
Conflicting Approach Left	WB
Conflicting Lanes Left	2
Conflicting Approach Right	EB
Conflicting Lanes Right	1
HCM Control Delay	10.6
HCM LOS	B

Lane



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	0			150	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	0				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99			0.97	1.00	
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1760	1863	1863	1536	1763	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				160		97
Link Speed (mph)		35	35		25	
Link Distance (ft)		890	756		1554	
Travel Time (s)		17.3	14.7		42.4	

Intersection Summary	
Area Type:	Other



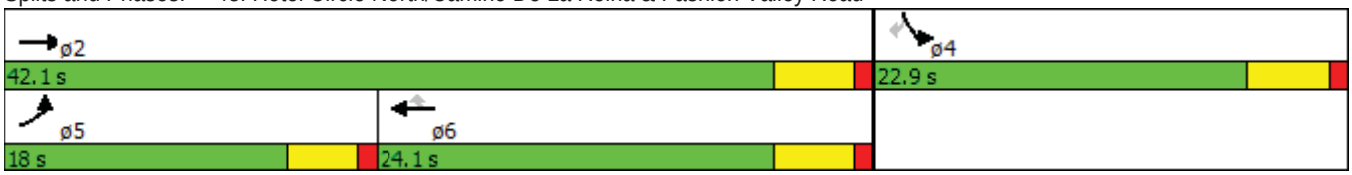
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	279	572	203	109	117	86
Confl. Peds. (#/hr)	5			5	2	
Confl. Bikes (#/hr)				1		
Peak Hour Factor	0.89	0.89	0.68	0.68	0.89	0.89
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	313	643	299	160	131	97
Shared Lane Traffic (%)						
Lane Group Flow (vph)	313	643	299	160	131	97

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	279	572	203	109	117	86
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	20.9	23.9	23.9	22.9	22.9
Total Split (s)	18.0	42.1	24.1	24.1	22.9	22.9
Total Split (%)	27.7%	64.8%	37.1%	37.1%	35.2%	35.2%
Yellow Time (s)	3.4	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	12.5	33.8	15.1	15.1	8.9	8.9
Actuated g/C Ratio	0.26	0.70	0.31	0.31	0.18	0.18
v/c Ratio	0.69	0.50	0.52	0.27	0.40	0.26
Control Delay	29.5	7.5	19.9	4.9	23.0	7.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.5	7.5	19.9	4.9	23.0	7.0
LOS	C	A	B	A	C	A
Approach Delay		14.7	14.6		16.2	
Approach LOS		B	B		B	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 48.5	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.69	
Intersection Signal Delay: 14.9	Intersection LOS: B
Intersection Capacity Utilization 45.2%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 48: Hotel Circle North/Camino De La Reina & Fashion Valley Road





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	279	572	203	109	117	86
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	313	643	299	0	131	18
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.89	0.89	0.68	0.68	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	386	1206	591	503	181	161
Arrive On Green	0.22	0.65	0.32	0.00	0.10	0.10
Sat Flow, veh/h	1774	1863	1863	1583	1774	1583
Grp Volume(v), veh/h	313	643	299	0	131	18
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1583	1774	1583
Q Serve(g_s), s	6.5	7.3	5.1	0.0	2.8	0.4
Cycle Q Clear(g_c), s	6.5	7.3	5.1	0.0	2.8	0.4
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	386	1206	591	503	181	161
V/C Ratio(X)	0.81	0.53	0.51	0.00	0.73	0.11
Avail Cap(c_a), veh/h	618	1774	916	778	817	730
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	14.5	3.7	10.8	0.0	17.0	15.9
Incr Delay (d2), s/veh	1.8	0.3	0.9	0.0	2.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	3.7	2.7	0.0	1.5	0.4
LnGrp Delay(d),s/veh	16.4	4.0	11.8	0.0	19.1	16.1
LnGrp LOS	B	A	B		B	B
Approach Vol, veh/h		956	299		149	
Approach Delay, s/veh		8.1	11.8		18.7	
Approach LOS		A	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		30.2		8.9	12.9	17.3		
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9		
Max Green Setting (Gmax), s		37.2		18.0	13.6	19.2		
Max Q Clear Time (g_c+I1), s		9.3		4.8	8.5	7.1		
Green Ext Time (p_c), s		7.1		0.2	0.2	4.9		

Intersection Summary	
HCM 2010 Ctrl Delay	10.0
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	70		70	160		0	190		190	150		0
Storage Lanes	1		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	0.97	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor	1.00		0.99	0.97		0.98			0.99			0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	3433	1863	1583	3433	3539	1583	3433	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1766	3539	1561	3336	1863	1559	3433	3539	1564	3433	3539	1558
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			262			497			262			199
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		730			461			758			473	
Travel Time (s)		19.9			12.6			12.9			8.1	

Intersection Summary	
Area Type:	Other



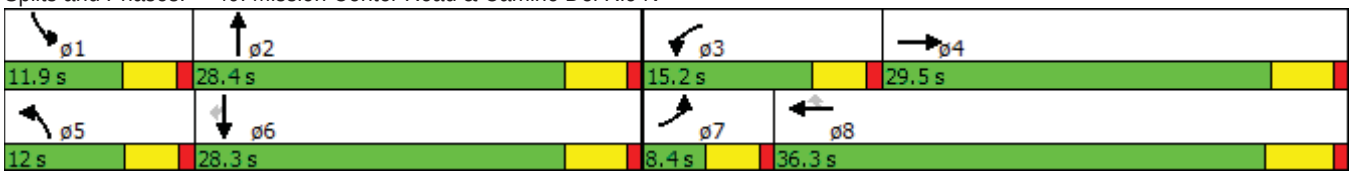
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	3	66	69	219	263	467	154	246	253	140	272	24
Confl. Peds. (#/hr)	4		8	8		4						
Confl. Bikes (#/hr)									2			5
Peak Hour Factor	0.84	0.84	0.84	0.94	0.94	0.94	0.98	0.98	0.98	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	4	79	82	233	280	497	157	251	258	146	283	25
Shared Lane Traffic (%)												
Lane Group Flow (vph)	4	79	82	233	280	497	157	251	258	146	283	25

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	3	66	69	219	263	467	154	246	253	140	272	24
Turn Type	Prot	NA	Free	Prot	NA	Perm	Prot	NA	Free	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			Free			8			Free			6
Detector Phase	7	4		3	8	8	5	2		1	6	6
Switch Phase												
Minimum Initial (s)	4.0	7.0		4.0	7.0	7.0	4.0	10.0		4.0	10.0	10.0
Minimum Split (s)	8.4	20.9		8.4	36.3	36.3	8.4	20.9		8.4	27.9	27.9
Total Split (s)	8.4	29.5		15.2	36.3	36.3	12.0	28.4		11.9	28.3	28.3
Total Split (%)	9.9%	34.7%		17.9%	42.7%	42.7%	14.1%	33.4%		14.0%	33.3%	33.3%
Yellow Time (s)	3.4	3.9		3.4	4.3	4.3	3.4	3.9		3.4	3.9	3.9
All-Red Time (s)	1.0	1.0		1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9		4.4	5.3	5.3	4.4	4.9		4.4	4.9	4.9
Lead/Lag	Lead	Lag		Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes		Yes	Yes	Yes	Yes				Yes	Yes
Recall Mode	None	None		None	None	None	None	Min		None	Min	Min
Act Effct Green (s)	4.5	10.2	50.4	10.3	16.7	16.7	7.1	12.4	50.4	7.7	12.7	12.7
Actuated g/C Ratio	0.09	0.20	1.00	0.20	0.33	0.33	0.14	0.25	1.00	0.15	0.25	0.25
v/c Ratio	0.03	0.11	0.05	0.33	0.46	0.59	0.33	0.29	0.16	0.28	0.32	0.05
Control Delay	30.0	19.6	0.1	23.6	16.6	4.8	26.6	20.5	0.2	26.1	20.5	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.0	19.6	0.1	23.6	16.6	4.8	26.6	20.5	0.2	26.1	20.5	0.2
LOS	C	B	A	C	B	A	C	C	A	C	C	A
Approach Delay		10.1			12.4			14.1			21.2	
Approach LOS		B			B			B			C	

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 50.4	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.59	
Intersection Signal Delay: 14.5	Intersection LOS: B
Intersection Capacity Utilization 53.2%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 49: Mission Center Road & Camino Del Rio N



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	3	66	69	219	263	467	154	246	253	140	272	24
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	4	79	0	233	280	162	157	251	0	146	283	0
Adj No. of Lanes	1	2	1	2	1	1	2	2	1	2	2	1
Peak Hour Factor	0.84	0.84	0.84	0.94	0.94	0.94	0.98	0.98	0.98	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	8	501	224	376	459	387	270	826	369	263	819	366
Arrive On Green	0.00	0.14	0.00	0.11	0.25	0.25	0.08	0.23	0.00	0.08	0.23	0.00
Sat Flow, veh/h	1774	3539	1583	3442	1863	1568	3442	3539	1583	3442	3539	1583
Grp Volume(v), veh/h	4	79	0	233	280	162	157	251	0	146	283	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1863	1568	1721	1770	1583	1721	1770	1583
Q Serve(g_s), s	0.1	0.8	0.0	2.8	5.8	3.8	1.9	2.5	0.0	1.8	2.9	0.0
Cycle Q Clear(g_c), s	0.1	0.8	0.0	2.8	5.8	3.8	1.9	2.5	0.0	1.8	2.9	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	8	501	224	376	459	387	270	826	369	263	819	366
V/C Ratio(X)	0.52	0.16	0.00	0.62	0.61	0.42	0.58	0.30	0.00	0.55	0.35	0.00
Avail Cap(c_a), veh/h	164	2014	901	860	1335	1124	605	1924	861	597	1915	857
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	21.5	16.3	0.0	18.4	14.4	13.7	19.2	13.7	0.0	19.3	13.9	0.0
Incr Delay (d2), s/veh	18.7	0.1	0.0	0.6	0.5	0.3	0.7	0.1	0.0	1.8	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.4	0.0	1.4	3.0	1.6	0.9	1.2	0.0	0.9	1.5	0.0
LnGrp Delay(d),s/veh	40.2	16.4	0.0	19.0	14.9	14.0	20.0	13.8	0.0	21.1	14.3	0.0
LnGrp LOS	D	B		B	B	B	B	B		C	B	
Approach Vol, veh/h		83			675			408			429	
Approach Delay, s/veh		17.6			16.1			16.2			16.6	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.7	15.0	9.1	11.4	7.8	14.9	4.6	16.0
Change Period (Y+Rc), s	4.4	4.9	4.4	* 5.3	4.4	4.9	4.4	5.3
Max Green Setting (Gmax), s	7.5	23.5	10.8	* 25	7.6	23.4	4.0	31.0
Max Q Clear Time (g_c+I1), s	3.8	4.5	4.8	2.8	3.9	4.9	2.1	7.8
Green Ext Time (p_c), s	0.1	3.4	0.2	1.9	0.1	3.4	0.0	1.9

Intersection Summary	
HCM 2010 Ctrl Delay	16.3
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	110		0	560		560	0		0
Storage Lanes	0		1	1		0	1		1	0		0
Taper Length (ft)	0			25			25			0		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850						0.850			
Flt Protected				0.950			0.950	0.960				
Satd. Flow (prot)	0	3539	1583	1770	3539	0	1681	1699	1583	0	0	0
Flt Permitted				0.950			0.950	0.960				
Satd. Flow (perm)	0	3539	1583	1770	3539	0	1681	1699	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			469						166			
Link Speed (mph)		25			25			30			30	
Link Distance (ft)		461			859			441			281	
Travel Time (s)		12.6			23.4			10.0			6.4	

Intersection Summary	
Area Type:	Other



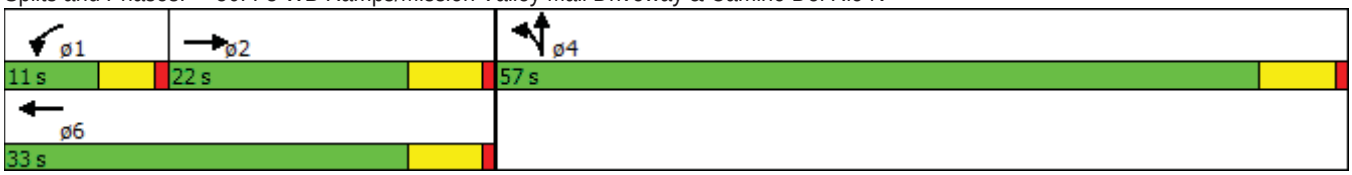
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	89	380	114	93	0	840	73	109	0	0	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.81	0.81	0.81	0.86	0.86	0.86	0.92	0.92	0.92	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	110	469	133	108	0	913	79	118	0	0	0
Shared Lane Traffic (%)							46%					
Lane Group Flow (vph)	0	110	469	133	108	0	493	499	118	0	0	0

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR
Lane Configurations							
Volume (vph)	89	380	114	93	840	73	109
Turn Type	NA	Free	Prot	NA	Split	NA	Free
Protected Phases	2		1	6	4	4	
Permitted Phases		Free					Free
Detector Phase	2		1	6	4	4	
Switch Phase							
Minimum Initial (s)	12.0		5.0	10.0	8.0	8.0	
Minimum Split (s)	22.0		9.7	22.0	57.0	57.0	
Total Split (s)	22.0		11.0	33.0	57.0	57.0	
Total Split (%)	24.4%		12.2%	36.7%	63.3%	63.3%	
Yellow Time (s)	5.0		3.7	5.0	5.0	5.0	
All-Red Time (s)	1.0		1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0		0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.0		4.7	6.0	6.0	6.0	
Lead/Lag	Lag		Lead				
Lead-Lag Optimize?	Yes		Yes				
Recall Mode	Max		None	None	Min	Min	
Act Effct Green (s)	16.4	71.2	6.4	27.6	31.3	31.3	71.2
Actuated g/C Ratio	0.23	1.00	0.09	0.39	0.44	0.44	1.00
v/c Ratio	0.14	0.30	0.83	0.08	0.67	0.67	0.07
Control Delay	26.0	0.5	76.7	17.5	19.9	19.8	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.0	0.5	76.7	17.5	19.9	19.8	0.1
LOS	C	A	E	B	B	B	A
Approach Delay	5.3			50.2		17.8	
Approach LOS	A			D		B	

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 71.2	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 18.1	Intersection LOS: B
Intersection Capacity Utilization 48.2%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 50: I-8 WB Ramps/Mission Valley Mall Driveway & Camino Del Rio N



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	89	380	114	93	0	840	73	109	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	110	0	133	108	0	969	0	0			
Adj No. of Lanes	0	2	1	1	2	0	2	0	1			
Peak Hour Factor	0.81	0.81	0.81	0.86	0.86	0.86	0.92	0.92	0.92			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	911	408	168	1515	0	1345	0	600			
Arrive On Green	0.00	0.26	0.00	0.09	0.43	0.00	0.38	0.00	0.00			
Sat Flow, veh/h	0	3632	1583	1774	3632	0	3548	0	1583			
Grp Volume(v), veh/h	0	110	0	133	108	0	969	0	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1774	1770	0	1774	0	1583			
Q Serve(g_s), s	0.0	1.5	0.0	4.6	1.1	0.0	14.5	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	1.5	0.0	4.6	1.1	0.0	14.5	0.0	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	911	408	168	1515	0	1345	0	600			
V/C Ratio(X)	0.00	0.12	0.00	0.79	0.07	0.00	0.72	0.00	0.00			
Avail Cap(c_a), veh/h	0	911	408	180	1537	0	2911	0	1299			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	17.7	0.0	27.5	10.5	0.0	16.5	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.3	0.0	17.6	0.0	0.0	1.1	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	0.8	0.0	3.0	0.5	0.0	7.2	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	18.0	0.0	45.2	10.5	0.0	17.5	0.0	0.0			
LnGrp LOS		B		D	B		B					
Approach Vol, veh/h		110			241			969				
Approach Delay, s/veh		18.0			29.6			17.5				
Approach LOS		B			C			B				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	10.6	22.0		29.6		32.6		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 6.3	16.0		51.0		27.0		
Max Q Clear Time (g_c+I1), s	6.6	3.5		16.5		3.1		
Green Ext Time (p_c), s	0.0	1.0		7.1		1.4		

Intersection Summary	
HCM 2010 Ctrl Delay	19.8
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	200			90	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	0.95	1.00	1.00	1.00
Ped Bike Factor						
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	3539	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	3539	1583	1770	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				78		57
Link Speed (mph)		25	25		25	
Link Distance (ft)		1900	707		752	
Travel Time (s)		51.8	19.3		20.5	

Intersection Summary	
Area Type:	Other



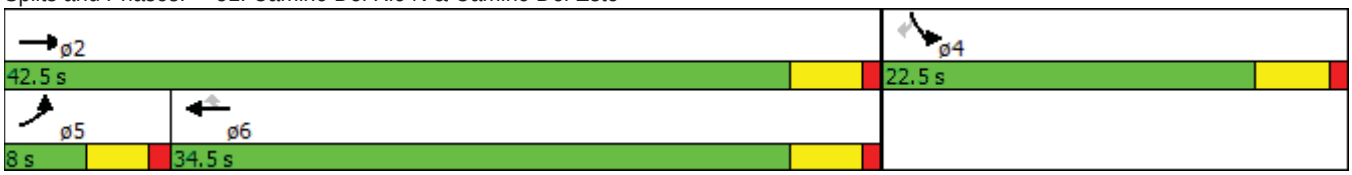
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	81	79	161	61	152	50
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.85	0.85	0.78	0.78	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	95	93	206	78	175	57
Shared Lane Traffic (%)						
Lane Group Flow (vph)	95	93	206	78	175	57

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	81	79	161	61	152	50
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.0	20.5	34.5	34.5	22.5	22.5
Total Split (s)	8.0	42.5	34.5	34.5	22.5	22.5
Total Split (%)	12.3%	65.4%	53.1%	53.1%	34.6%	34.6%
Yellow Time (s)	3.0	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Max	Max	Max	None	None
Act Effct Green (s)	4.0	41.4	32.4	32.4	11.7	11.7
Actuated g/C Ratio	0.07	0.71	0.55	0.55	0.20	0.20
v/c Ratio	0.79	0.07	0.11	0.09	0.50	0.16
Control Delay	72.9	4.8	8.1	2.9	25.8	7.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	72.9	4.8	8.1	2.9	25.8	7.3
LOS	E	A	A	A	C	A
Approach Delay		39.2	6.7		21.3	
Approach LOS		D	A		C	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 58.5	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.79	
Intersection Signal Delay: 20.2	Intersection LOS: C
Intersection Capacity Utilization 28.2%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 51: Camino Del Rio N & Camino Del Este





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	81	79	161	61	152	50
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	95	93	206	27	175	11
Adj No. of Lanes	1	1	2	1	1	1
Peak Hour Factor	0.85	0.85	0.78	0.78	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	121	1306	1978	885	236	211
Arrive On Green	0.07	0.70	0.56	0.56	0.13	0.13
Sat Flow, veh/h	1774	1863	3632	1583	1774	1583
Grp Volume(v), veh/h	95	93	206	27	175	11
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	1583	1774	1583
Q Serve(g_s), s	2.9	0.9	1.5	0.4	5.1	0.3
Cycle Q Clear(g_c), s	2.9	0.9	1.5	0.4	5.1	0.3
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	121	1306	1978	885	236	211
V/C Ratio(X)	0.79	0.07	0.10	0.03	0.74	0.05
Avail Cap(c_a), veh/h	131	1306	1978	885	589	526
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.9	2.6	5.6	5.4	22.6	20.5
Incr Delay (d2), s/veh	22.0	0.1	0.1	0.1	6.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	0.5	0.7	0.2	2.9	0.3
LnGrp Delay(d),s/veh	46.9	2.7	5.7	5.4	28.6	20.6
LnGrp LOS	D	A	A	A	C	C
Approach Vol, veh/h		188	233		186	
Approach Delay, s/veh		25.0	5.7		28.1	
Approach LOS		C	A		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		42.5		11.7	7.7	34.8		
Change Period (Y+Rc), s		4.5		4.5	4.0	4.5		
Max Green Setting (Gmax), s		38.0		18.0	4.0	30.0		
Max Q Clear Time (g_c+I1), s		2.9		7.1	4.9	3.5		
Green Ext Time (p_c), s		1.8		0.5	0.0	1.7		

Intersection Summary	
HCM 2010 Ctrl Delay	18.5
HCM 2010 LOS	B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		200	0		0	0		0
Storage Lanes	1		1	0		1	1		1	0		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	0.95	1.00
Ped Bike Factor			0.98		1.00							
Frt			0.850			0.850						0.850
Flt Protected	0.950				0.995		0.950					
Satd. Flow (prot)	1770	0	1583	0	1853	1583	1770	5085	1863	0	3539	1583
Flt Permitted	0.950				0.995		0.950					
Satd. Flow (perm)	1770	0	1558	0	1853	1583	1770	5085	1863	0	3539	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			104			421						315
Link Speed (mph)		35			30			45			45	
Link Distance (ft)		378			430			672			469	
Travel Time (s)		7.4			9.8			10.2			7.1	

Intersection Summary	
Area Type:	Other



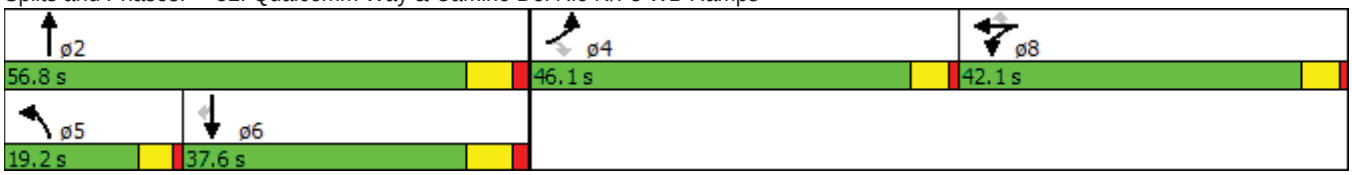
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	33	0	80	17	166	383	88	812	0	0	262	296
Confl. Peds. (#/hr)			4	4								
Confl. Bikes (#/hr)												
Peak Hour Factor	0.83	0.83	0.83	0.91	0.91	0.91	0.89	0.89	0.89	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	40	0	96	19	182	421	99	912	0	0	279	315
Shared Lane Traffic (%)												
Lane Group Flow (vph)	40	0	96	0	201	421	99	912	0	0	279	315

Intersection Summary

Lane Group	EBL	EBR	WBT	WBR	NBL	NBT	SBT	SBR
Lane Configurations								
Volume (vph)	33	80	166	383	88	812	262	296
Turn Type	Prot	Perm	NA	Perm	Prot	NA	NA	Perm
Protected Phases	4		8		5	2	6	
Permitted Phases		4		8				6
Detector Phase	4	4	8	8	5	2	6	6
Switch Phase								
Minimum Initial (s)	5.0	5.0	15.0	15.0	14.0	12.0	13.0	13.0
Minimum Split (s)	46.1	46.1	42.1	42.1	18.7	25.0	37.0	37.0
Total Split (s)	46.1	46.1	42.1	42.1	19.2	56.8	37.6	37.6
Total Split (%)	31.8%	31.8%	29.0%	29.0%	13.2%	39.2%	25.9%	25.9%
Yellow Time (s)	4.1	4.1	4.1	4.1	3.7	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.1	5.1	5.1	5.1	4.7	7.0	7.0	7.0
Lead/Lag					Lead		Lag	Lag
Lead-Lag Optimize?					Yes		Yes	Yes
Recall Mode	None	None	None	None	None	Min	Min	Min
Act Effct Green (s)	10.8	10.8	18.7	18.7	16.1	32.0	17.7	17.7
Actuated g/C Ratio	0.14	0.14	0.24	0.24	0.21	0.41	0.23	0.23
v/c Ratio	0.16	0.31	0.45	0.60	0.27	0.43	0.34	0.52
Control Delay	32.9	8.6	35.8	8.0	38.4	18.8	31.6	8.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.9	8.6	35.8	8.0	38.4	18.8	31.6	8.0
LOS	C	A	D	A	D	B	C	A
Approach Delay			17.0			20.7	19.1	
Approach LOS			B			C	B	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 77.3	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.60	
Intersection Signal Delay: 19.0	Intersection LOS: B
Intersection Capacity Utilization 57.4%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 52: Qualcomm Way & Camino Del Rio N/I-8 WB Ramps



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	33	0	80	17	166	383	88	812	0	0	262	296
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863	1900	1863	1863	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	40	0	6	19	182	75	99	912	0	0	279	49
Adj No. of Lanes	1	0	1	0	1	1	1	3	1	0	2	1
Peak Hour Factor	0.83	0.83	0.83	0.91	0.91	0.91	0.89	0.89	0.89	0.94	0.94	0.94
Percent Heavy Veh, %	2	0	2	2	2	2	2	2	2	0	2	2
Cap, veh/h	0	0	0	48	458	430	345	2616	814	0	839	375
Arrive On Green	0.00	0.00	0.00	0.27	0.27	0.27	0.19	0.51	0.00	0.00	0.24	0.24
Sat Flow, veh/h		0		175	1679	1576	1774	5085	1583	0	3632	1583
Grp Volume(v), veh/h		0.0		201	0	75	99	912	0	0	279	49
Grp Sat Flow(s),veh/h/ln				1854	0	1576	1774	1695	1583	0	1770	1583
Q Serve(g_s), s				5.0	0.0	2.1	2.7	6.0	0.0	0.0	3.7	1.4
Cycle Q Clear(g_c), s				5.0	0.0	2.1	2.7	6.0	0.0	0.0	3.7	1.4
Prop In Lane				0.09		1.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h				506	0	430	345	2616	814	0	839	375
V/C Ratio(X)				0.40	0.00	0.17	0.29	0.35	0.00	0.00	0.33	0.13
Avail Cap(c_a), veh/h				1207	0	1026	452	4454	1387	0	1905	852
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				16.9	0.0	15.8	19.5	8.2	0.0	0.0	18.0	17.1
Incr Delay (d2), s/veh				0.2	0.0	0.1	0.2	0.0	0.0	0.0	0.5	0.3
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				2.6	0.0	0.9	1.3	2.8	0.0	0.0	1.9	0.6
LnGrp Delay(d),s/veh				17.0	0.0	15.9	19.7	8.2	0.0	0.0	18.5	17.4
LnGrp LOS				B		B	B	A			B	B
Approach Vol, veh/h					276			1011			328	
Approach Delay, s/veh					16.7			9.3			18.3	
Approach LOS					B			A			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		36.2			15.8	20.5		20.6
Change Period (Y+Rc), s		7.0			* 4.7	7.0		5.1
Max Green Setting (Gmax), s		49.8			* 15	30.6		37.0
Max Q Clear Time (g_c+I1), s		8.0			4.7	5.7		7.0
Green Ext Time (p_c), s		8.7			0.0	7.8		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	12.4
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	190		0	90		140	0		0	140		0
Storage Lanes	2		0	1		0	0		0	1		1
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	0.97	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor	1.00	1.00		0.99	0.99			0.97		1.00	1.00	0.97
Frt		0.996			0.947			0.865				0.850
Flt Protected	0.950			0.950						0.950	0.953	
Satd. Flow (prot)	3433	3522	0	1770	3332	0	0	1565	0	1681	1686	1583
Flt Permitted	0.950			0.950						0.950	0.953	
Satd. Flow (perm)	3431	3522	0	1751	3332	0	0	1565	0	1678	1683	1530
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		3			114			746				174
Link Speed (mph)		35			35			40			40	
Link Distance (ft)		1245			572			282			437	
Travel Time (s)		24.3			11.1			4.8			7.4	

Intersection Summary	
Area Type:	Other



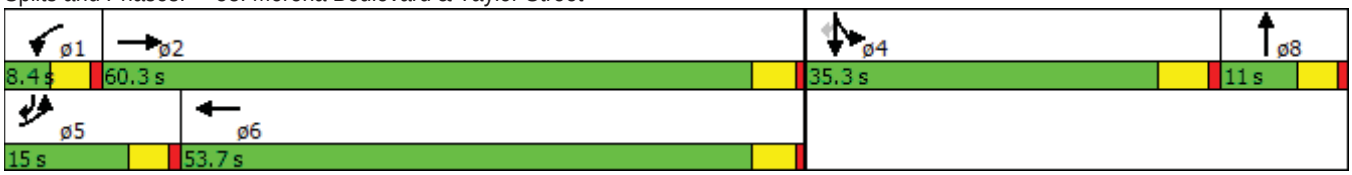
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	285	112	3	3	834	462	0	0	15	88	1	221
Confl. Peds. (#/hr)	3		3	3		3	19		1	1		19
Confl. Bikes (#/hr)												
Peak Hour Factor	0.93	0.93	0.93	0.86	0.86	0.86	0.62	0.62	0.62	0.81	0.81	0.81
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	306	120	3	3	970	537	0	0	24	109	1	273
Shared Lane Traffic (%)										50%		
Lane Group Flow (vph)	306	123	0	3	1507	0	0	24	0	54	56	273

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBT	SBL	SBT	SBR
Lane Configurations								
Volume (vph)	285	112	3	834	0	88	1	221
Turn Type	Prot	NA	Prot	NA	NA	Split	NA	pm+ov
Protected Phases	5	2	1	6	8	4	4	5
Permitted Phases								4
Detector Phase	5	2	1	6	8	4	4	5
Switch Phase								
Minimum Initial (s)	2.0	7.0	4.0	7.0	2.0	7.0	7.0	2.0
Minimum Split (s)	11.0	22.9	8.4	26.9	11.0	35.3	35.3	11.0
Total Split (s)	15.0	60.3	8.4	53.7	11.0	35.3	35.3	15.0
Total Split (%)	13.0%	52.4%	7.3%	46.7%	9.6%	30.7%	30.7%	13.0%
Yellow Time (s)	3.4	3.9	3.4	3.9	3.4	4.3	4.3	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.4	4.9	4.4	5.3	5.3	4.4
Lead/Lag	Lead	Lag	Lead	Lag				Lead
Lead-Lag Optimize?	Yes	Yes	Yes	Yes				Yes
Recall Mode	None	Min	None	Min	None	None	None	None
Act Effct Green (s)	11.2	64.3	4.2	48.3	4.8	15.6	15.6	25.4
Actuated g/C Ratio	0.12	0.72	0.05	0.54	0.05	0.17	0.17	0.28
v/c Ratio	0.71	0.05	0.04	0.82	0.03	0.18	0.19	0.48
Control Delay	52.6	9.2	52.0	24.5	0.1	33.9	34.0	10.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	52.6	9.2	52.0	24.5	0.1	33.9	34.0	10.3
LOS	D	A	D	C	A	C	C	B
Approach Delay		40.1		24.5	0.1		17.1	
Approach LOS		D		C	A		B	

Intersection Summary	
Cycle Length: 115	
Actuated Cycle Length: 89.8	
Natural Cycle: 115	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.82	
Intersection Signal Delay: 25.9	Intersection LOS: C
Intersection Capacity Utilization 74.8%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 53: Morena Boulevard & Taylor Street



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	285	112	3	3	834	462	0	0	15	88	1	221
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	0	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	306	120	3	3	970	537	0	0	0	110	0	273
Adj No. of Lanes	2	2	0	1	2	0	0	1	0	2	0	1
Peak Hour Factor	0.93	0.93	0.93	0.86	0.86	0.86	0.62	0.62	0.62	0.81	0.81	0.81
Percent Heavy Veh, %	2	2	2	2	2	2	0	2	2	2	2	2
Cap, veh/h	376	2178	54	6	1136	611	0	2	0	777	0	512
Arrive On Green	0.11	0.62	0.62	0.00	0.51	0.51	0.00	0.00	0.00	0.22	0.00	0.22
Sat Flow, veh/h	3442	3529	88	1774	2222	1196	0	-81961	0	3540	0	1542
Grp Volume(v), veh/h	306	60	63	3	767	740	0	0	0	110	0	273
Grp Sat Flow(s),veh/h/ln	1721	1770	1847	1774	1770	1649	0	1863	0	1770	0	1542
Q Serve(g_s), s	7.9	1.2	1.2	0.2	34.1	36.3	0.0	0.0	0.0	2.3	0.0	13.2
Cycle Q Clear(g_c), s	7.9	1.2	1.2	0.2	34.1	36.3	0.0	0.0	0.0	2.3	0.0	13.2
Prop In Lane	1.00		0.05	1.00		0.73	0.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	376	1092	1140	6	904	843	0	2	0	777	0	512
V/C Ratio(X)	0.81	0.05	0.06	0.53	0.85	0.88	0.00	0.00	0.00	0.14	0.00	0.53
Avail Cap(c_a), veh/h	400	1092	1140	78	948	883	0	135	0	1165	0	681
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	39.7	6.9	6.9	45.4	19.2	19.8	0.0	0.0	0.0	28.7	0.0	24.9
Incr Delay (d2), s/veh	10.5	0.0	0.0	25.2	7.3	10.0	0.0	0.0	0.0	0.1	0.0	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.3	0.6	0.6	0.1	18.2	18.8	0.0	0.0	0.0	1.1	0.0	11.7
LnGrp Delay(d),s/veh	50.1	6.9	6.9	70.6	26.5	29.8	0.0	0.0	0.0	28.8	0.0	26.4
LnGrp LOS	D	A	A	E	C	C				C		C
Approach Vol, veh/h		429			1510			0			383	
Approach Delay, s/veh		37.8			28.2			0.0			27.1	
Approach LOS		D			C						C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	4.7	61.1		25.3	14.4	51.5		0.0
Change Period (Y+Rc), s	4.4	4.9		5.3	4.4	4.9		4.4
Max Green Setting (Gmax), s	4.0	55.4		30.0	10.6	48.8		6.6
Max Q Clear Time (g_c+I1), s	2.2	3.2		15.2	9.9	38.3		0.0
Green Ext Time (p_c), s	0.0	25.4		2.1	0.1	8.3		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	29.8
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	170			140	0	280
Storage Lanes	1			0	2	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	0.95	0.95	0.97	1.00
Ped Bike Factor						0.98
Frt			0.992			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	3511	0	3433	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	3511	0	3433	1557
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			8			12
Link Speed (mph)		35	35		30	
Link Distance (ft)		532	730		439	
Travel Time (s)		10.4	14.2		10.0	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	183	106	1341	74	196	114
Confl. Peds. (#/hr)						4
Confl. Bikes (#/hr)						
Peak Hour Factor	0.88	0.88	0.91	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	208	120	1474	81	215	125
Shared Lane Traffic (%)						
Lane Group Flow (vph)	208	120	1555	0	215	125

Intersection Summary

Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Configurations					
Volume (vph)	183	106	1341	196	114
Turn Type	Prot	NA	NA	Prot	pm+ov
Protected Phases	5	2	6	4	5
Permitted Phases					4
Detector Phase	5	2	6	4	5
Switch Phase					
Minimum Initial (s)	5.0	10.0	15.0	5.0	5.0
Minimum Split (s)	9.7	21.5	35.5	28.0	9.7
Total Split (s)	16.4	62.0	45.6	28.0	16.4
Total Split (%)	18.2%	68.9%	50.7%	31.1%	18.2%
Yellow Time (s)	3.7	4.5	4.5	5.0	3.7
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	5.5	5.5	6.0	4.7
Lead/Lag	Lead		Lag		Lead
Lead-Lag Optimize?	Yes		Yes		Yes
Recall Mode	None	Max	Max	None	None
Act Effct Green (s)	11.3	56.8	40.7	10.0	22.7
Actuated g/C Ratio	0.14	0.72	0.52	0.13	0.29
v/c Ratio	0.82	0.09	0.85	0.49	0.27
Control Delay	59.5	4.4	23.5	35.0	17.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	59.5	4.4	23.5	35.0	17.2
LOS	E	A	C	C	B
Approach Delay		39.3	23.5	28.5	
Approach LOS		D	C	C	

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 78.4	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.85	
Intersection Signal Delay: 26.6	Intersection LOS: C
Intersection Capacity Utilization 70.2%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 54: Taylor Street & I-8 EB Ramp





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	183	106	1341	74	196	114
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	208	120	1474	0	215	114
Adj No. of Lanes	1	1	2	0	2	1
Peak Hour Factor	0.88	0.88	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	247	1408	1960	0	310	363
Arrive On Green	0.14	0.76	0.55	0.00	0.09	0.09
Sat Flow, veh/h	1774	1863	3725	0	3442	1583
Grp Volume(v), veh/h	208	120	1474	0	215	114
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	0	1721	1583
Q Serve(g_s), s	8.5	1.3	23.8	0.0	4.5	4.5
Cycle Q Clear(g_c), s	8.5	1.3	23.8	0.0	4.5	4.5
Prop In Lane	1.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	247	1408	1960	0	310	363
V/C Ratio(X)	0.84	0.09	0.75	0.00	0.69	0.31
Avail Cap(c_a), veh/h	278	1408	1960	0	1013	687
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	31.4	2.4	12.7	0.0	33.0	23.9
Incr Delay (d2), s/veh	16.8	0.1	2.7	0.0	1.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.3	0.7	12.2	0.0	2.2	4.2
LnGrp Delay(d),s/veh	48.2	2.5	15.5	0.0	34.0	24.1
LnGrp LOS	D	A	B		C	C
Approach Vol, veh/h		328	1474		329	
Approach Delay, s/veh		31.4	15.5		30.6	
Approach LOS		C	B		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		62.0		12.7	15.1	46.9		
Change Period (Y+Rc), s		5.5		6.0	* 4.7	5.5		
Max Green Setting (Gmax), s		56.5		22.0	* 12	40.1		
Max Q Clear Time (g_c+I1), s		3.3		6.5	10.5	25.8		
Green Ext Time (p_c), s		10.7		0.2	0.0	7.0		

Intersection Summary	
HCM 2010 Ctrl Delay	20.3
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	360			0	0	0
Storage Lanes	1			0	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt			0.929			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1730	0	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	1730	0	1770	1583
Link Speed (mph)		35	35		35	
Link Distance (ft)		730	3613		599	
Travel Time (s)		14.2	70.4		11.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	146	120	88	99	140	604
Confl. Peds. (#/hr)	3			3	2	
Confl. Bikes (#/hr)						
Peak Hour Factor	0.82	0.82	0.92	0.92	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	178	146	96	108	151	649
Shared Lane Traffic (%)						
Lane Group Flow (vph)	178	146	204	0	151	649

Intersection Summary

Intersection	
Intersection Delay, s/veh	34.2
Intersection LOS	D

Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBU	SBL	SBR
Vol, veh/h	0	146	120	0	88	99	0	140	604
Peak Hour Factor	0.82	0.82	0.82	0.92	0.92	0.92	0.92	0.93	0.93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	178	146	0	96	108	0	151	649
Number of Lanes	0	1	1	0	1	0	0	1	1

Approach	EB	WB	SB
Opposing Approach	WB	EB	
Opposing Lanes	1	2	0
Conflicting Approach Left	SB		WB
Conflicting Lanes Left	2	0	1
Conflicting Approach Right		SB	EB
Conflicting Lanes Right	0	2	2
HCM Control Delay	13.8	13.6	47.7
HCM LOS	B	B	E

Lane	EBLn1	EBLn2	WBLn1	SBLn1	SBLn2
Vol Left, %	100%	0%	0%	100%	0%
Vol Thru, %	0%	100%	47%	0%	0%
Vol Right, %	0%	0%	53%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	146	120	187	140	604
LT Vol	146	0	0	140	0
Through Vol	0	120	88	0	0
RT Vol	0	0	99	0	604
Lane Flow Rate	178	146	203	151	649
Geometry Grp	7	7	4	7	7
Degree of Util (X)	0.374	0.286	0.373	0.28	0.991
Departure Headway (Hd)	7.556	7.045	6.606	6.707	5.493
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	474	508	543	534	656
Service Time	5.33	4.819	4.676	4.464	3.249
HCM Lane V/C Ratio	0.376	0.287	0.374	0.283	0.989
HCM Control Delay	14.8	12.6	13.6	12.1	56
HCM Lane LOS	B	B	B	B	F
HCM 95th-tile Q	1.7	1.2	1.7	1.1	15.2



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	180			90	0	60
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	1863	1583	1770	1583
Link Speed (mph)		30	35		30	
Link Distance (ft)		806	1103		432	
Travel Time (s)		18.3	21.5		9.8	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	162	87	356	368	247	23
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.86	0.86	0.87	0.87	0.71	0.71
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	188	101	409	423	348	32
Shared Lane Traffic (%)						
Lane Group Flow (vph)	188	101	409	423	348	32

Intersection Summary

Intersection	
Intersection Delay, s/veh	23.3
Intersection LOS	C

Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBU	SBL	SBR
Vol, veh/h	0	162	87	0	356	368	0	247	23
Peak Hour Factor	0.86	0.86	0.86	0.92	0.87	0.87	0.92	0.71	0.71
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	188	101	0	409	423	0	348	32
Number of Lanes	0	1	1	0	1	1	0	1	1

Approach	EB	WB	SB
Opposing Approach	WB	EB	
Opposing Lanes	2	2	0
Conflicting Approach Left	SB		WB
Conflicting Lanes Left	2	0	2
Conflicting Approach Right		SB	EB
Conflicting Lanes Right	0	2	2
HCM Control Delay	14.5	23.9	28.7
HCM LOS	B	C	D

Lane	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	100%	0%	0%	0%	100%	0%
Vol Thru, %	0%	100%	100%	0%	0%	0%
Vol Right, %	0%	0%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	162	87	356	368	247	23
LT Vol	162	0	0	0	247	0
Through Vol	0	87	356	0	0	0
RT Vol	0	0	0	368	0	23
Lane Flow Rate	188	101	409	423	348	32
Geometry Grp	7	7	7	7	7	7
Degree of Util (X)	0.41	0.206	0.75	0.691	0.75	0.059
Departure Headway (Hd)	7.844	7.329	6.598	5.883	7.76	6.539
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	462	493	544	609	463	544
Service Time	5.544	5.029	4.396	3.68	5.546	4.324
HCM Lane V/C Ratio	0.407	0.205	0.752	0.695	0.752	0.059
HCM Control Delay	15.9	11.9	26.8	21	30.5	9.7
HCM Lane LOS	C	B	D	C	D	A
HCM 95th-tile Q	2	0.8	6.5	5.4	6.3	0.2



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		0	110		300	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99		1.00			0.97
Frt	0.935					0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	1723	0	1770	1863	1770	1583
Flt Permitted			0.950		0.950	
Satd. Flow (perm)	1723	0	1768	1863	1770	1534
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	73					189
Link Speed (mph)	35			35	40	
Link Distance (ft)	1103			674	947	
Travel Time (s)	21.5			13.1	16.1	

Intersection Summary	
Area Type:	Other



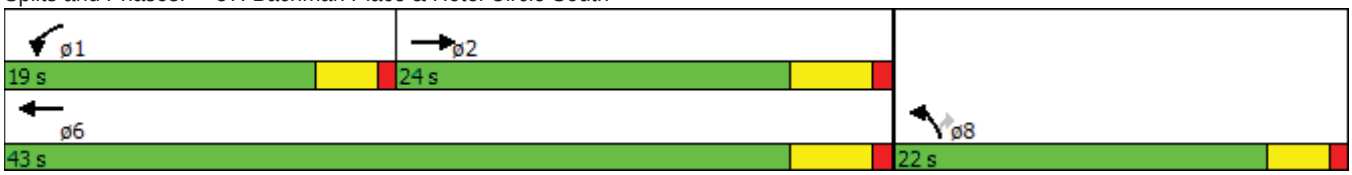
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	190	177	320	500	228	119
Confl. Peds. (#/hr)		1	1			6
Confl. Bikes (#/hr)						
Peak Hour Factor	0.78	0.78	0.85	0.85	0.63	0.63
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	244	227	376	588	362	189
Shared Lane Traffic (%)						
Lane Group Flow (vph)	471	0	376	588	362	189

Intersection Summary

Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Configurations					
Volume (vph)	190	320	500	228	119
Turn Type	NA	Prot	NA	Prot	Perm
Protected Phases	2	1	6	8	
Permitted Phases					8
Detector Phase	2	1	6	8	8
Switch Phase					
Minimum Initial (s)	10.0	4.0	10.0	4.0	4.0
Minimum Split (s)	23.0	8.0	21.0	22.0	22.0
Total Split (s)	24.0	19.0	43.0	22.0	22.0
Total Split (%)	36.9%	29.2%	66.2%	33.8%	33.8%
Yellow Time (s)	4.0	3.0	4.0	3.0	3.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.0	4.0	5.0	4.0	4.0
Lead/Lag	Lag	Lead			
Lead-Lag Optimize?	Yes	Yes			
Recall Mode	Min	None	Min	None	None
Act Effct Green (s)	17.8	14.7	36.6	15.8	15.8
Actuated g/C Ratio	0.29	0.24	0.60	0.26	0.26
v/c Ratio	0.85	0.89	0.53	0.80	0.35
Control Delay	35.5	50.1	10.0	36.6	5.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	35.5	50.1	10.0	36.6	5.5
LOS	D	D	A	D	A
Approach Delay	35.5		25.6	25.9	
Approach LOS	D		C	C	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 61.4	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.89	
Intersection Signal Delay: 28.0	Intersection LOS: C
Intersection Capacity Utilization 62.3%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 57: Bachman Place & Hotel Circle South



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	190	177	320	500	228	119
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863	1863	1863
Adj Flow Rate, veh/h	244	163	376	588	362	0
Adj No. of Lanes	1	0	1	1	1	1
Peak Hour Factor	0.78	0.78	0.85	0.85	0.63	0.63
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	311	208	427	1133	419	374
Arrive On Green	0.30	0.30	0.24	0.61	0.24	0.00
Sat Flow, veh/h	1042	696	1774	1863	1774	1583
Grp Volume(v), veh/h	0	407	376	588	362	0
Grp Sat Flow(s),veh/h/ln	0	1739	1774	1863	1774	1583
Q Serve(g_s), s	0.0	12.4	11.8	10.4	11.3	0.0
Cycle Q Clear(g_c), s	0.0	12.4	11.8	10.4	11.3	0.0
Prop In Lane		0.40	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	0	519	427	1133	419	374
V/C Ratio(X)	0.00	0.78	0.88	0.52	0.86	0.00
Avail Cap(c_a), veh/h	0	572	461	1226	553	493
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	0.0	18.6	21.1	6.5	21.2	0.0
Incr Delay (d2), s/veh	0.0	6.9	16.4	0.5	9.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	6.9	7.7	5.4	6.7	0.0
LnGrp Delay(d),s/veh	0.0	25.4	37.6	7.0	30.9	0.0
LnGrp LOS		C	D	A	C	
Approach Vol, veh/h	407			964	362	
Approach Delay, s/veh	25.4			18.9	30.9	
Approach LOS	C			B	C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	17.9	22.2				40.1		17.6
Change Period (Y+Rc), s	4.0	5.0				5.0		4.0
Max Green Setting (Gmax), s	15.0	19.0				38.0		18.0
Max Q Clear Time (g_c+I1), s	13.8	14.4				12.4		13.3
Green Ext Time (p_c), s	0.1	2.9				9.1		0.4

Intersection Summary	
HCM 2010 Ctrl Delay	22.9
HCM 2010 LOS	C



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		220	0		0	0		80	330		0
Storage Lanes	2		1	0		0	0		1	1		0
Taper Length (ft)	0			0			0			25		
Lane Util. Factor	0.97	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.91	0.91	1.00
Ped Bike Factor									0.99	1.00	1.00	
Frt			0.850						0.850			
Flt Protected	0.950									0.950	0.991	
Satd. Flow (prot)	3433	0	1583	0	0	0	0	3539	1583	1610	3360	0
Flt Permitted	0.950									0.950	0.991	
Satd. Flow (perm)	3433	0	1583	0	0	0	0	3539	1561	1606	3358	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			456						182			
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		791			343			273			758	
Travel Time (s)		18.0			7.8			4.7			12.9	

Intersection Summary	
Area Type:	Other



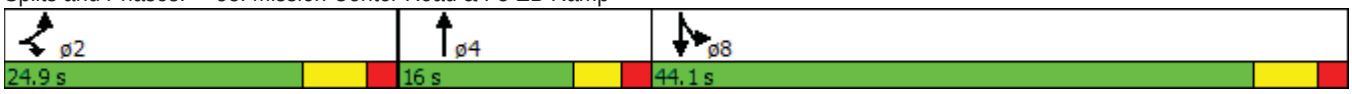
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	360	0	401	0	0	0	0	304	108	222	279	0
Confl. Peds. (#/hr)									7	7		
Confl. Bikes (#/hr)									1			3
Peak Hour Factor	0.88	0.88	0.88	0.25	0.25	0.25	0.83	0.83	0.83	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	409	0	456	0	0	0	0	366	130	244	307	0
Shared Lane Traffic (%)										27%		
Lane Group Flow (vph)	409	0	456	0	0	0	0	366	130	178	373	0

Intersection Summary

Lane Group	EBL	EBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	360	401	304	108	222	279
Turn Type	Prot	Prot	NA	Free	Split	NA
Protected Phases	2	2	4		8	8
Permitted Phases				Free		
Detector Phase	2	2	4		8	8
Switch Phase						
Minimum Initial (s)	5.0	5.0	2.0		18.0	18.0
Minimum Split (s)	11.1	11.1	7.0		44.1	44.1
Total Split (s)	24.9	24.9	16.0		44.1	44.1
Total Split (%)	29.3%	29.3%	18.8%		51.9%	51.9%
Yellow Time (s)	4.1	4.1	3.0		4.1	4.1
All-Red Time (s)	2.0	2.0	2.0		2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	6.1	6.1	5.0		6.1	6.1
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	None	None	None		Min	Min
Act Effct Green (s)	11.0	11.0	9.3	55.6	18.1	18.1
Actuated g/C Ratio	0.20	0.20	0.17	1.00	0.33	0.33
v/c Ratio	0.61	0.67	0.62	0.08	0.34	0.34
Control Delay	24.6	8.1	26.9	0.1	17.8	16.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	24.6	8.1	26.9	0.1	17.8	16.2
LOS	C	A	C	A	B	B
Approach Delay			19.9			16.7
Approach LOS			B			B

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 55.6	
Natural Cycle: 75	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.67	
Intersection Signal Delay: 17.2	Intersection LOS: B
Intersection Capacity Utilization 50.0%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 58: Mission Center Road & I-8 EB Ramp



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	360	0	401	0	0	0	0	304	108	222	279	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	409	0	0				0	366	0	184	391	0
Adj No. of Lanes	2	0	1				0	2	1	1	2	0
Peak Hour Factor	0.88	0.88	0.88				0.83	0.83	0.83	0.91	0.91	0.91
Percent Heavy Veh, %	2	0	2				0	2	2	2	2	0
Cap, veh/h	561	0	258				0	505	226	647	1358	0
Arrive On Green	0.16	0.00	0.00				0.00	0.14	0.00	0.36	0.36	0.00
Sat Flow, veh/h	3442	0	1583				0	3632	1583	1774	3725	0
Grp Volume(v), veh/h	409	0	0				0	366	0	184	391	0
Grp Sat Flow(s),veh/h/ln	1721	0	1583				0	1770	1583	1774	1863	0
Q Serve(g_s), s	5.9	0.0	0.0				0.0	5.2	0.0	3.8	3.9	0.0
Cycle Q Clear(g_c), s	5.9	0.0	0.0				0.0	5.2	0.0	3.8	3.9	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	561	0	258				0	505	226	647	1358	0
V/C Ratio(X)	0.73	0.00	0.00				0.00	0.72	0.00	0.28	0.29	0.00
Avail Cap(c_a), veh/h	1241	0	571				0	746	334	1292	2714	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	20.7	0.0	0.0				0.0	21.4	0.0	11.8	11.8	0.0
Incr Delay (d2), s/veh	0.7	0.0	0.0				0.0	0.7	0.0	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	0.0	0.0				0.0	2.5	0.0	1.9	2.0	0.0
LnGrp Delay(d),s/veh	21.4	0.0	0.0				0.0	22.1	0.0	11.8	11.8	0.0
LnGrp LOS	C							C		B	B	
Approach Vol, veh/h		409						366			575	
Approach Delay, s/veh		21.4						22.1			11.8	
Approach LOS		C						C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		14.6		12.4				25.1
Change Period (Y+Rc), s		6.1		5.0				6.1
Max Green Setting (Gmax), s		18.8		11.0				38.0
Max Q Clear Time (g_c+I1), s		7.9		7.2				5.9
Green Ext Time (p_c), s		0.6		0.3				1.8

Intersection Summary	
HCM 2010 Ctrl Delay	17.5
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	280		0	0		220	0		100	0		0
Storage Lanes	1		0	0		1	0		1	1		1
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	0.91	0.91	0.95	0.95	0.95	1.00	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor									0.97	1.00	1.00	0.99
Frt		0.994				0.850			0.850			0.850
Flt Protected	0.950	0.964			0.995			0.992		0.950	0.973	
Satd. Flow (prot)	1610	3249	0	0	3522	1583	0	1848	1583	1681	1722	1583
Flt Permitted	0.950	0.964			0.995			0.992		0.950	0.973	
Satd. Flow (perm)	1610	3249	0	0	3522	1583	0	1848	1538	1679	1720	1562
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4				272			196			398
Link Speed (mph)		35			35			40			40	
Link Distance (ft)		473			544			384			273	
Travel Time (s)		9.2			10.6			6.5			4.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	197	27	5	10	94	223	2	11	1	262	76	346
Confl. Peds. (#/hr)									1	1		
Confl. Bikes (#/hr)												2
Peak Hour Factor	0.83	0.83	0.83	0.82	0.82	0.82	0.50	0.50	0.50	0.87	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	237	33	6	12	115	272	4	22	2	301	87	398
Shared Lane Traffic (%)	50%									36%		
Lane Group Flow (vph)	118	158	0	0	127	272	0	26	2	193	195	398

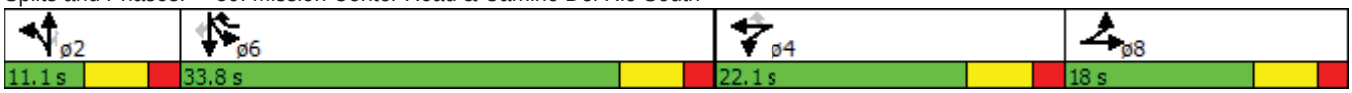
Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Configurations									
Volume (vph)	197	27	94	223	11	1	262	76	346
Turn Type	Split	NA	NA	pm+ov	NA	Perm	Split	NA	Perm
Protected Phases	8	8	4	6	2		6	6	
Permitted Phases				4		2			6
Detector Phase	8	8	4	6	2	2	6	6	6
Switch Phase									
Minimum Initial (s)	10.0	10.0	16.0	5.0	5.0	5.0	5.0	5.0	5.0
Minimum Split (s)	16.1	16.1	22.1	33.1	11.1	11.1	33.1	33.1	33.1
Total Split (s)	18.0	18.0	22.1	33.8	11.1	11.1	33.8	33.8	33.8
Total Split (%)	21.2%	21.2%	26.0%	39.8%	13.1%	13.1%	39.8%	39.8%	39.8%
Yellow Time (s)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Lead/Lag									
Lead-Lag Optimize?									
Recall Mode	None	None	None	Min	None	None	Min	Min	Min
Act Effct Green (s)	12.1	12.1	18.7	38.4	5.8	5.8	22.3	22.3	22.3
Actuated g/C Ratio	0.21	0.21	0.32	0.66	0.10	0.10	0.38	0.38	0.38
v/c Ratio	0.35	0.23	0.11	0.24	0.14	0.01	0.30	0.30	0.47
Control Delay	31.1	26.8	22.5	1.8	35.0	0.0	23.6	23.4	4.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.1	26.8	22.5	1.8	35.0	0.0	23.6	23.5	4.9
LOS	C	C	C	A	C	A	C	C	A
Approach Delay		28.6	8.4		32.5			14.1	
Approach LOS		C	A		C			B	

Intersection Summary

Cycle Length: 85
Actuated Cycle Length: 58.4
Natural Cycle: 85
Control Type: Actuated-Uncoordinated
Maximum v/c Ratio: 0.47
Intersection Signal Delay: 15.6 — Intersection LOS: B
Intersection Capacity Utilization 54.2% — ICU Level of Service A
Analysis Period (min) 15

Splits and Phases: 59: Mission Center Road & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	197	27	5	10	94	223	2	11	1	262	76	346
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	237	33	6	12	115	272	4	22	2	194	237	398
Adj No. of Lanes	2	1	0	0	2	1	0	1	1	1	1	1
Peak Hour Factor	0.83	0.83	0.83	0.82	0.82	0.82	0.50	0.50	0.50	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	477	206	37	38	744	388	8	46	47	517	543	450
Arrive On Green	0.13	0.13	0.13	0.22	0.22	0.22	0.03	0.03	0.03	0.29	0.29	0.29
Sat Flow, veh/h	3548	1535	279	175	3448	1583	284	1564	1576	1774	1863	1545
Grp Volume(v), veh/h	237	0	39	127	0	272	26	0	2	194	237	398
Grp Sat Flow(s),veh/h/ln	1774	0	1814	1854	1770	1583	1849	0	1576	1774	1863	1545
Q Serve(g_s), s	4.6	0.0	1.4	4.3	0.0	11.6	1.0	0.0	0.1	6.5	7.7	18.2
Cycle Q Clear(g_c), s	4.6	0.0	1.4	4.3	0.0	11.6	1.0	0.0	0.1	6.5	7.7	18.2
Prop In Lane	1.00		0.15	0.09		1.00	0.15		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	477	0	244	400	382	388	55	0	47	517	543	450
V/C Ratio(X)	0.50	0.00	0.16	0.32	0.00	0.70	0.48	0.00	0.04	0.38	0.44	0.88
Avail Cap(c_a), veh/h	569	0	291	400	382	388	125	0	106	663	696	577
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	29.8	0.0	28.4	24.5	0.0	25.5	35.4	0.0	35.0	20.9	21.3	25.1
Incr Delay (d2), s/veh	0.3	0.0	0.1	0.2	0.0	4.7	6.3	0.0	0.4	0.2	0.2	10.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	0.0	0.7	2.2	0.0	5.8	0.6	0.0	0.0	3.1	4.0	9.1
LnGrp Delay(d),s/veh	30.1	0.0	28.5	24.7	0.0	30.2	41.7	0.0	35.3	21.1	21.5	35.9
LnGrp LOS	C		C	C		C	D		D	C	C	D
Approach Vol, veh/h		276			399			28			829	
Approach Delay, s/veh		29.8			28.4			41.3			28.4	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Phs Duration (G+Y+Rc), s		8.3		22.1		27.7		16.1
Change Period (Y+Rc), s		6.1		6.1		6.1		6.1
Max Green Setting (Gmax), s		5.0		16.0		27.7		11.9
Max Q Clear Time (g_c+I1), s		3.0		13.6		20.2		6.6
Green Ext Time (p_c), s		0.0		0.3		1.3		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	28.9
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		2	0		1	0		0	0		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	0.88	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Ped Bike Factor											1.00	
Frt			0.850			0.865		0.962			0.973	
Flt Protected												
Satd. Flow (prot)	0	0	2787	0	0	1611	0	3405	0	0	3431	0
Flt Permitted												
Satd. Flow (perm)	0	0	2787	0	0	1611	0	3405	0	0	3431	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			265			75		127			69	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		550			209			411			198	
Travel Time (s)		12.5			4.8			6.2			3.0	

Intersection Summary	
Area Type:	Other



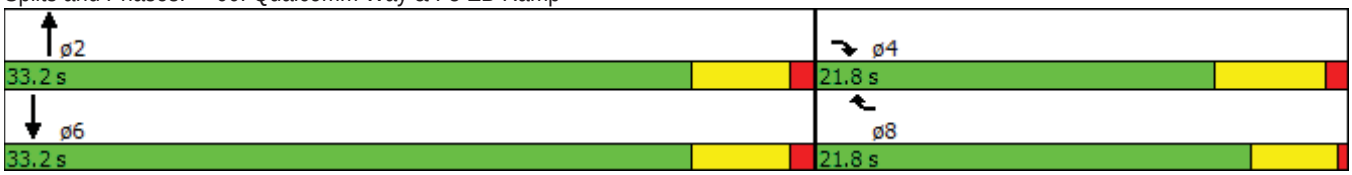
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	453	0	0	341	0	932	321	0	622	136
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												1
Peak Hour Factor	0.83	0.92	0.83	0.90	0.90	0.90	0.91	0.91	0.91	0.92	0.81	0.81
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	546	0	0	379	0	1024	353	0	768	168
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	546	0	0	379	0	1377	0	0	936	0

Intersection Summary

Lane Group	EBR	WBR	NBT	SBT
Lane Configurations				
Volume (vph)	453	341	932	622
Turn Type	Prot	Prot	NA	NA
Protected Phases	4	8	2	6
Permitted Phases				
Detector Phase	4	8	2	6
Switch Phase				
Minimum Initial (s)	5.0	4.0	15.0	15.0
Minimum Split (s)	21.5	20.0	21.1	26.1
Total Split (s)	21.8	21.8	33.2	33.2
Total Split (%)	39.6%	39.6%	60.4%	60.4%
Yellow Time (s)	4.5	3.5	4.1	4.1
All-Red Time (s)	1.0	0.5	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.5	4.0	5.1	5.1
Lead/Lag				
Lead-Lag Optimize?				
Recall Mode	None	None	Min	Min
Act Effct Green (s)	12.0	13.5	22.8	22.8
Actuated g/C Ratio	0.26	0.29	0.50	0.50
v/c Ratio	0.59	0.72	0.78	0.54
Control Delay	10.6	20.9	12.8	8.9
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	10.6	20.9	12.8	8.9
LOS	B	C	B	A
Approach Delay			12.8	8.9
Approach LOS			B	A

Intersection Summary	
Cycle Length: 55	
Actuated Cycle Length: 45.8	
Natural Cycle: 55	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 12.3	Intersection LOS: B
Intersection Capacity Utilization 64.7%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 60: Qualcomm Way & I-8 EB Ramp





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	453	0	0	341	0	932	321	0	622	136
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	0	1863	0	0	1863	0	1863	1900	0	1863	1900
Adj Flow Rate, veh/h	0	0	323	0	0	0	0	1024	0	0	768	125
Adj No. of Lanes	0	0	2	0	0	1	0	2	0	0	2	0
Peak Hour Factor	0.83	0.92	0.83	0.90	0.90	0.90	0.91	0.91	0.91	0.92	0.81	0.81
Percent Heavy Veh, %	0	0	2	0	0	2	0	2	2	0	2	2
Cap, veh/h	0	0	0	0	0	0	0	2641	0	0	2268	369
Arrive On Green	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.75	0.75
Sat Flow, veh/h		0			0		0	3725	0	0	3132	494
Grp Volume(v), veh/h		0.0			0.0		0	1024	0	0	447	446
Grp Sat Flow(s),veh/h/ln							0	1770	0	0	1770	1763
Q Serve(g_s), s							0.0	2.1	0.0	0.0	1.7	1.7
Cycle Q Clear(g_c), s							0.0	2.1	0.0	0.0	1.7	1.7
Prop In Lane							0.00		0.00	0.00		0.28
Lane Grp Cap(c), veh/h							0	2641	0	0	1321	1316
V/C Ratio(X)							0.00	0.39	0.00	0.00	0.34	0.34
Avail Cap(c_a), veh/h							0	4948	0	0	2474	2465
HCM Platoon Ratio							1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)							0.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh							0.0	0.9	0.0	0.0	0.9	0.9
Incr Delay (d2), s/veh							0.0	0.0	0.0	0.0	0.1	0.1
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.0	0.9	0.0	0.0	0.8	0.8
LnGrp Delay(d),s/veh							0.0	0.9	0.0	0.0	0.9	0.9
LnGrp LOS								A			A	A
Approach Vol, veh/h								1024			893	
Approach Delay, s/veh								0.9			0.9	
Approach LOS								A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2				6		
Phs Duration (G+Y+Rc), s		20.1				20.1		
Change Period (Y+Rc), s		5.1				5.1		
Max Green Setting (Gmax), s		28.1				28.1		
Max Q Clear Time (g_c+I1), s		4.1				3.7		
Green Ext Time (p_c), s		8.9				8.9		

Intersection Summary	
HCM 2010 Ctrl Delay	0.9
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	80		35	60		60	100		0	0		160
Storage Lanes	1		1	1		1	1		0	1		1
Taper Length (ft)	25			25			25			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00
Ped Bike Factor	0.99		0.98	1.00		0.98		1.00		1.00		0.98
Frt			0.850			0.850		0.982				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	3464	0	1770	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1760	1863	1555	1762	1863	1554	1770	3464	0	1768	3539	1550
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			135			133		10				287
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		536			618			1151			411	
Travel Time (s)		10.4			12.0			17.4			6.2	

Intersection Summary	
Area Type:	Other



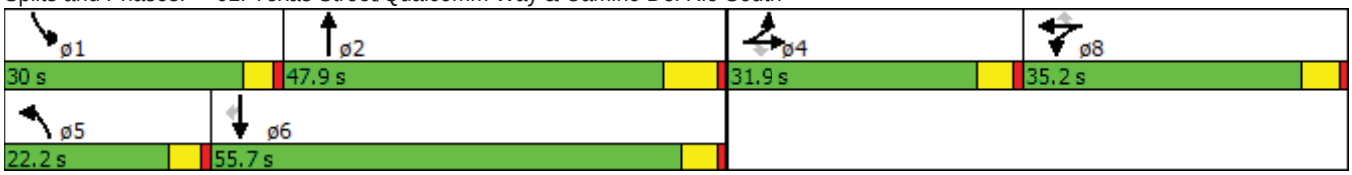
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	86	56	59	38	54	101	109	1023	142	442	410	247
Confl. Peds. (#/hr)	4		3	3		4			2	2		
Confl. Bikes (#/hr)			1			1			1			1
Peak Hour Factor	0.76	0.76	0.76	0.88	0.88	0.88	0.92	0.92	0.92	0.86	0.86	0.86
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	113	74	78	43	61	115	118	1112	154	514	477	287
Shared Lane Traffic (%)												
Lane Group Flow (vph)	113	74	78	43	61	115	118	1266	0	514	477	287

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	86	56	59	38	54	101	109	1023	442	410	247
Turn Type	Split	NA	Perm	Split	NA	Perm	Prot	NA	Prot	NA	Perm
Protected Phases	4	4		8	8		5	2	1	6	
Permitted Phases			4			8					6
Detector Phase	4	4	4	8	8	8	5	2	1	6	6
Switch Phase											
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	4.0	10.0	10.0
Minimum Split (s)	31.9	31.9	31.9	35.2	35.2	35.2	8.4	29.0	8.4	34.9	34.9
Total Split (s)	31.9	31.9	31.9	35.2	35.2	35.2	22.2	47.9	30.0	55.7	55.7
Total Split (%)	22.0%	22.0%	22.0%	24.3%	24.3%	24.3%	15.3%	33.0%	20.7%	38.4%	38.4%
Yellow Time (s)	3.9	3.9	3.9	4.2	4.2	4.2	3.4	6.0	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	5.2	5.2	5.2	4.4	7.0	4.4	4.9	4.9
Lead/Lag							Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?							Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	None	Min	Min
Act Effct Green (s)	13.8	13.8	13.8	10.9	10.9	10.9	11.7	41.6	26.0	58.0	58.0
Actuated g/C Ratio	0.12	0.12	0.12	0.10	0.10	0.10	0.10	0.36	0.23	0.51	0.51
v/c Ratio	0.53	0.33	0.25	0.26	0.34	0.43	0.65	1.00	1.28	0.27	0.31
Control Delay	57.2	50.9	2.0	51.5	53.5	10.4	68.2	61.6	178.8	19.8	4.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4
Total Delay	57.2	50.9	2.0	51.5	53.5	10.4	68.2	61.6	178.8	20.1	4.3
LOS	E	D	A	D	D	B	E	E	F	C	A
Approach Delay		39.2			30.5			62.2		80.4	
Approach LOS		D			C			E		F	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 114.1	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.28	
Intersection Signal Delay: 65.5	Intersection LOS: E
Intersection Capacity Utilization 83.4%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 61: Texas Street/Qualcomm Way & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	86	56	59	38	54	101	109	1023	142	442	410	247
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	113	74	0	43	61	0	118	1112	149	514	477	72
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	1
Peak Hour Factor	0.76	0.76	0.76	0.88	0.88	0.88	0.92	0.92	0.92	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	171	179	152	114	119	101	147	1202	161	439	1944	850
Arrive On Green	0.10	0.10	0.00	0.06	0.06	0.00	0.08	0.38	0.38	0.25	0.55	0.55
Sat Flow, veh/h	1774	1863	1583	1774	1863	1583	1774	3128	418	1774	3539	1548
Grp Volume(v), veh/h	113	74	0	43	61	0	118	628	633	514	477	72
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1774	1863	1583	1774	1770	1777	1774	1770	1548
Q Serve(g_s), s	6.4	3.9	0.0	2.4	3.3	0.0	6.8	35.0	35.2	25.6	7.3	2.3
Cycle Q Clear(g_c), s	6.4	3.9	0.0	2.4	3.3	0.0	6.8	35.0	35.2	25.6	7.3	2.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.24	1.00		1.00
Lane Grp Cap(c), veh/h	171	179	152	114	119	101	147	680	683	439	1944	850
V/C Ratio(X)	0.66	0.41	0.00	0.38	0.51	0.00	0.81	0.92	0.93	1.17	0.25	0.08
Avail Cap(c_a), veh/h	463	487	414	515	541	460	306	700	703	439	1944	850
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	45.1	44.0	0.0	46.4	46.8	0.0	46.6	30.4	30.5	38.9	12.1	11.0
Incr Delay (d2), s/veh	4.3	1.5	0.0	0.8	1.3	0.0	3.9	19.0	19.5	98.3	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	2.1	0.0	1.2	1.7	0.0	3.5	20.7	20.9	24.4	3.5	1.0
LnGrp Delay(d),s/veh	49.4	45.5	0.0	47.2	48.1	0.0	50.5	49.4	49.9	137.2	12.2	11.1
LnGrp LOS	D	D		D	D		D	D	D	F	B	B
Approach Vol, veh/h		187			104			1379			1063	
Approach Delay, s/veh		47.9			47.7			49.7			72.6	
Approach LOS		D			D			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	30.0	46.7		14.8	12.9	63.8		11.8
Change Period (Y+Rc), s	4.4	7.0		4.9	4.4	* 7		5.2
Max Green Setting (Gmax), s	25.6	40.9		27.0	17.8	* 51		30.0
Max Q Clear Time (g_c+I1), s	27.6	37.2		8.4	8.8	9.3		5.3
Green Ext Time (p_c), s	0.0	2.5		0.6	0.1	29.7		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	58.4
HCM 2010 LOS	E

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	160			230	75	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						0.97
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	1863	1583	1770	1535
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				399		135
Link Speed (mph)		35	45		25	
Link Distance (ft)		1857	2146		1067	
Travel Time (s)		36.2	32.5		29.1	

Intersection Summary	
Area Type:	Other



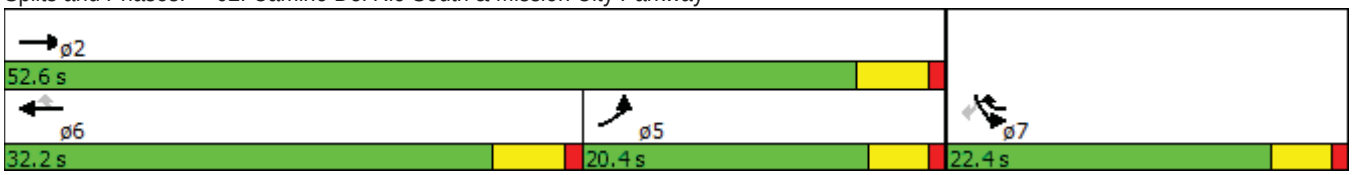
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	28	165	418	359	71	119
Confl. Peds. (#/hr)						5
Confl. Bikes (#/hr)						
Peak Hour Factor	0.91	0.91	0.90	0.90	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	31	181	464	399	81	135
Shared Lane Traffic (%)						
Lane Group Flow (vph)	31	181	464	399	81	135

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	28	165	418	359	71	119
Turn Type	Prot	NA	NA	pm+ov	Prot	Perm
Protected Phases	5	2	6	7	7	
Permitted Phases				6		7
Detector Phase	5	2	6	7	7	7
Switch Phase						
Minimum Initial (s)	4.0	10.0	10.0	4.0	4.0	4.0
Minimum Split (s)	20.4	21.0	28.0	22.4	22.4	22.4
Total Split (s)	20.4	52.6	32.2	22.4	22.4	22.4
Total Split (%)	27.2%	70.1%	42.9%	29.9%	29.9%	29.9%
Yellow Time (s)	3.4	4.0	4.0	3.4	3.4	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.0	5.0	4.4	4.4	4.4
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	Min	Min	None	None	None
Act Effct Green (s)	6.0	18.9	15.8	33.4	7.9	7.9
Actuated g/C Ratio	0.16	0.50	0.42	0.89	0.21	0.21
v/c Ratio	0.11	0.19	0.59	0.28	0.22	0.32
Control Delay	21.4	5.5	13.8	0.8	17.1	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	21.4	5.5	13.8	0.8	17.1	6.6
LOS	C	A	B	A	B	A
Approach Delay		7.8	7.8		10.6	
Approach LOS		A	A		B	

Intersection Summary	
Cycle Length: 75	
Actuated Cycle Length: 37.7	
Natural Cycle: 75	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.59	
Intersection Signal Delay: 8.3	Intersection LOS: A
Intersection Capacity Utilization 38.7%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 62: Camino Del Rio South & Mission City Parkway





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	28	165	418	359	71	119
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	31	181	464	0	81	0
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.91	0.91	0.90	0.90	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	54	1106	712	712	119	106
Arrive On Green	0.03	0.59	0.38	0.00	0.07	0.00
Sat Flow, veh/h	1774	1863	1863	1583	1774	1583
Grp Volume(v), veh/h	31	181	464	0	81	0
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1583	1774	1583
Q Serve(g_s), s	0.5	1.2	5.7	0.0	1.2	0.0
Cycle Q Clear(g_c), s	0.5	1.2	5.7	0.0	1.2	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	54	1106	712	712	119	106
V/C Ratio(X)	0.57	0.16	0.65	0.00	0.68	0.00
Avail Cap(c_a), veh/h	1025	3201	1829	1661	1153	1029
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	13.2	2.5	7.0	0.0	12.6	0.0
Incr Delay (d2), s/veh	3.5	0.1	1.2	0.0	2.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.6	3.1	0.0	0.7	0.0
LnGrp Delay(d),s/veh	16.7	2.6	8.2	0.0	15.2	0.0
LnGrp LOS	B	A	A		B	
Approach Vol, veh/h		212	464		81	
Approach Delay, s/veh		4.7	8.2		15.2	
Approach LOS		A	A		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		21.4		6.3	5.8	15.6		
Change Period (Y+Rc), s		5.0		4.4	5.0	* 5		
Max Green Setting (Gmax), s		47.6		18.0	16.0	* 27		
Max Q Clear Time (g_c+I1), s		3.2		3.2	2.5	7.7		
Green Ext Time (p_c), s		1.2		0.1	0.9	2.9		

Intersection Summary	
HCM 2010 Ctrl Delay	8.0
HCM 2010 LOS	A

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	80		0	0		0	0		0
Storage Lanes	0		0	1		0	0		0	1		1
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00		1.00				0.99		1.00		
Frt		0.982						0.955				0.850
Flt Protected				0.950				0.968		0.950		
Satd. Flow (prot)	0	3465	0	1770	1863	0	0	1710	0	1770	0	1583
Flt Permitted				0.950				0.968		0.950		
Satd. Flow (perm)	0	3465	0	1762	1863	0	0	1710	0	1765	0	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		19						164				241
Link Speed (mph)		45			45			45			45	
Link Distance (ft)		1152			264			335			589	
Travel Time (s)		17.5			4.0			5.1			8.9	

Intersection Summary	
Area Type:	Other



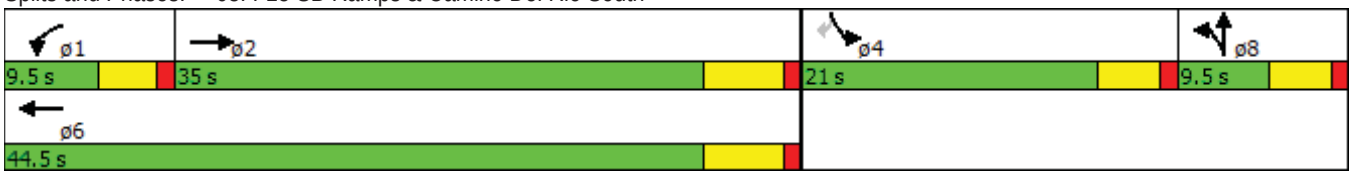
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	118	16	21	728	0	4	0	2	63	0	418
Confl. Peds. (#/hr)	4		3	3		4			2	2		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.86	0.86	0.86	0.91	0.91	0.91	0.50	0.50	0.50	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	137	19	23	800	0	8	0	4	70	0	464
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	156	0	23	800	0	0	12	0	70	0	464

Intersection Summary

Lane Group	EBT	WBL	WBT	NBT	SBL	SBR
Lane Configurations						
Volume (vph)	118	21	728	0	63	418
Turn Type	NA	Prot	NA	NA	Prot	Perm
Protected Phases	2	1	6	8	4	
Permitted Phases						4
Detector Phase	2	1	6	8	4	4
Switch Phase						
Minimum Initial (s)	20.0	5.0	11.0	5.0	5.0	5.0
Minimum Split (s)	27.5	9.2	21.5	9.5	20.6	20.6
Total Split (s)	35.0	9.5	44.5	9.5	21.0	21.0
Total Split (%)	46.7%	12.7%	59.3%	12.7%	28.0%	28.0%
Yellow Time (s)	4.5	3.2	4.5	3.5	3.6	3.6
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.5	4.2	5.5	4.5	4.6	4.6
Lead/Lag	Lag	Lead				
Lead-Lag Optimize?	Yes	Yes				
Recall Mode	Min	None	Min	None	None	None
Act Effct Green (s)	27.3	5.4	28.6	5.3	13.2	13.2
Actuated g/C Ratio	0.51	0.10	0.53	0.10	0.24	0.24
v/c Ratio	0.09	0.13	0.81	0.04	0.16	0.82
Control Delay	8.5	30.9	19.8	0.2	20.1	24.5
Queue Delay	0.0	0.0	0.7	0.0	0.0	0.0
Total Delay	8.5	30.9	20.5	0.2	20.1	24.5
LOS	A	C	C	A	C	C
Approach Delay	8.5		20.8	0.2		
Approach LOS	A		C	A		

Intersection Summary	
Cycle Length: 75	
Actuated Cycle Length: 54	
Natural Cycle: 75	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.82	
Intersection Signal Delay: 20.5	Intersection LOS: C
Intersection Capacity Utilization 80.5%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 63: I-15 SB Ramps & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	118	16	21	728	0	4	0	2	63	0	418
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1900	1863	1863	0	1900	1863	1900	1863	0	1863
Adj Flow Rate, veh/h	0	137	7	23	800	0	8	0	0	70	0	253
Adj No. of Lanes	0	2	0	1	1	0	0	1	0	1	0	1
Peak Hour Factor	0.86	0.86	0.86	0.91	0.91	0.91	0.50	0.50	0.50	0.90	0.90	0.90
Percent Heavy Veh, %	0	2	2	2	2	0	2	2	2	2	0	2
Cap, veh/h	0	1927	98	51	1320	0	19	0	0	0	0	0
Arrive On Green	0.00	0.56	0.56	0.03	0.71	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	0	3520	174	1774	1863	0	1774	0	0		0	
Grp Volume(v), veh/h	0	70	74	23	800	0	8	0	0		0.0	
Grp Sat Flow(s),veh/h/ln	0	1770	1831	1774	1863	0	1774	0	0			
Q Serve(g_s), s	0.0	0.6	0.7	0.5	7.8	0.0	0.2	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	0.6	0.7	0.5	7.8	0.0	0.2	0.0	0.0			
Prop In Lane	0.00		0.10	1.00		0.00	1.00		0.00			
Lane Grp Cap(c), veh/h	0	995	1030	51	1320	0	19	0	0			
V/C Ratio(X)	0.00	0.07	0.07	0.45	0.61	0.00	0.42	0.00	0.00			
Avail Cap(c_a), veh/h	0	1465	1516	264	2039	0	249	0	0			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	3.6	3.6	17.0	2.7	0.0	17.5	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.0	0.0	2.3	0.2	0.0	5.5	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	0.3	0.3	0.3	3.8	0.0	0.1	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	3.6	3.6	19.4	2.8	0.0	23.0	0.0	0.0			
LnGrp LOS		A	A	B	A		C					
Approach Vol, veh/h		144			823			8				
Approach Delay, s/veh		3.6			3.3			23.0				
Approach LOS		A			A			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	5.2	25.5				30.7		4.9
Change Period (Y+Rc), s	* 4.2	5.5				5.5		4.5
Max Green Setting (Gmax), s	* 5.3	29.5				39.0		5.0
Max Q Clear Time (g_c+I1), s	2.5	2.7				9.8		2.2
Green Ext Time (p_c), s	0.0	3.9				3.9		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	3.5
HCM 2010 LOS	A

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		0	350		0	0
Storage Lanes		0	1		0	0
Taper Length (ft)			25		0	
Lane Util. Factor	0.95	0.95	1.00	0.95	1.00	1.00
Ped Bike Factor						
Frt	0.960					
Flt Protected			0.950			
Satd. Flow (prot)	3398	0	1770	3539	0	0
Flt Permitted			0.950			
Satd. Flow (perm)	3398	0	1770	3539	0	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	51					
Link Speed (mph)	45			45	45	
Link Distance (ft)	264			1252	814	
Travel Time (s)	4.0			19.0	12.3	

Intersection Summary	
Area Type:	Other



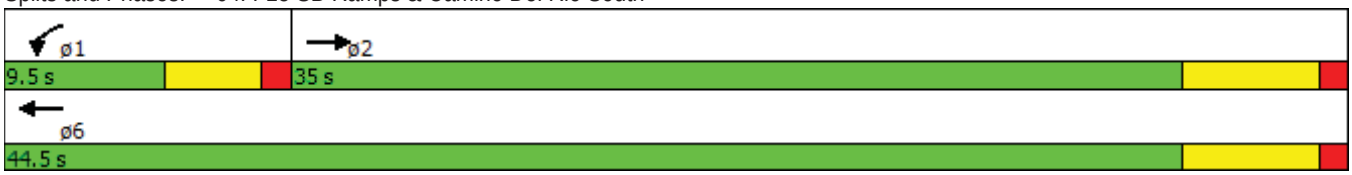
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	132	47	24	750	0	0
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.93	0.93	0.97	0.97	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	142	51	25	773	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	193	0	25	773	0	0

Intersection Summary

Lane Group	EBT	WBL	WBT
Lane Configurations			
Volume (vph)	132	24	750
Turn Type	NA	Prot	NA
Protected Phases	2	1	6
Permitted Phases			
Detector Phase	2	1	6
Switch Phase			
Minimum Initial (s)	20.0	5.0	11.0
Minimum Split (s)	27.5	9.2	21.5
Total Split (s)	35.0	9.5	44.5
Total Split (%)	78.7%	21.3%	100.0%
Yellow Time (s)	4.5	3.2	4.5
All-Red Time (s)	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0
Total Lost Time (s)	5.5	4.2	5.5
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Recall Mode	Min	None	Min
Act Effct Green (s)	38.0	5.1	40.9
Actuated g/C Ratio	0.93	0.12	1.00
v/c Ratio	0.06	0.11	0.22
Control Delay	1.0	17.6	0.1
Queue Delay	0.0	0.0	0.0
Total Delay	1.0	17.6	0.1
LOS	A	B	A
Approach Delay	1.0		0.7
Approach LOS	A		A

Intersection Summary	
Cycle Length: 44.5	
Actuated Cycle Length: 40.9	
Natural Cycle: 40	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.22	
Intersection Signal Delay: 0.7	Intersection LOS: A
Intersection Capacity Utilization 57.7%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 64: I-15 SB Ramps & Camino Del Rio South



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	132	47	24	750	0	0
Number	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863		
Adj Flow Rate, veh/h	142	0	25	773		
Adj No. of Lanes	2	0	1	2		
Peak Hour Factor	0.93	0.93	0.97	0.97		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	2309	0	55	2904		
Arrive On Green	0.65	0.00	0.03	0.82		
Sat Flow, veh/h	3725	0	1774	3632		
Grp Volume(v), veh/h	142	0	25	773		
Grp Sat Flow(s),veh/h/ln	1770	0	1774	1770		
Q Serve(g_s), s	0.4	0.0	0.4	1.5		
Cycle Q Clear(g_c), s	0.4	0.0	0.4	1.5		
Prop In Lane		0.00	1.00			
Lane Grp Cap(c), veh/h	2309	0	55	2904		
V/C Ratio(X)	0.06	0.00	0.45	0.27		
Avail Cap(c_a), veh/h	3405	0	307	4502		
HCM Platoon Ratio	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	0.00	1.00	1.00		
Uniform Delay (d), s/veh	1.9	0.0	14.6	0.6		
Incr Delay (d2), s/veh	0.0	0.0	2.1	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	0.2	0.0	0.2	0.7		
LnGrp Delay(d),s/veh	1.9	0.0	16.7	0.6		
LnGrp LOS	A		B	A		
Approach Vol, veh/h	142			798		
Approach Delay, s/veh	1.9			1.2		
Approach LOS	A			A		

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		
Phs Duration (G+Y+Rc), s	5.2	25.5				30.7		
Change Period (Y+Rc), s	* 4.2	5.5				5.5		
Max Green Setting (Gmax), s	* 5.3	29.5				39.0		
Max Q Clear Time (g_c+I1), s	2.4	2.4				3.5		
Green Ext Time (p_c), s	0.0	3.9				4.0		

Intersection Summary	
HCM 2010 Ctrl Delay	1.3
HCM 2010 LOS	A

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	115		0	0		180	190		0	0		0
Storage Lanes	1		0	0		1	1		0	0		0
Taper Length (ft)	25			0			25			0		
Lane Util. Factor	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt						0.850		0.859				
Flt Protected	0.950						0.950					
Satd. Flow (prot)	1770	3539	0	0	1863	1583	1770	1600	0	0	0	0
Flt Permitted	0.950						0.950					
Satd. Flow (perm)	1770	3539	0	0	1863	1583	1770	1600	0	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						113		109				
Link Speed (mph)		45			40			45			45	
Link Distance (ft)		1252			1666			833			375	
Travel Time (s)		19.0			28.4			12.6			5.7	

Intersection Summary	
Area Type:	Other



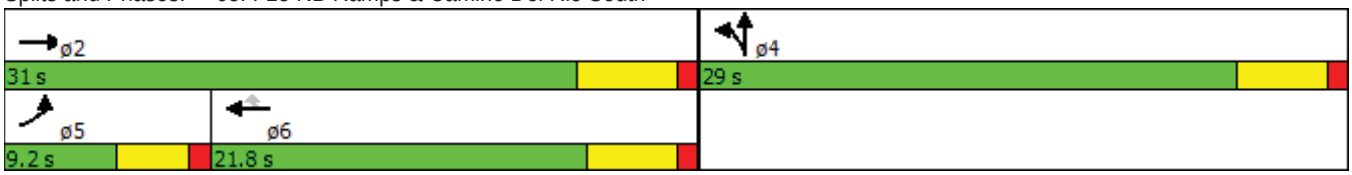
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	27	110	0	0	258	49	508	6	98	0	0	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.93	0.93	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	29	118	0	0	287	54	564	7	109	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	29	118	0	0	287	54	564	116	0	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT
Lane Configurations						
Volume (vph)	27	110	258	49	508	6
Turn Type	Prot	NA	NA	Perm	Split	NA
Protected Phases	5	2	6		4	4
Permitted Phases				6		
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	5.0	12.0	14.0	14.0	5.0	5.0
Minimum Split (s)	9.2	27.5	21.0	21.0	21.0	21.0
Total Split (s)	9.2	31.0	21.8	21.8	29.0	29.0
Total Split (%)	15.3%	51.7%	36.3%	36.3%	48.3%	48.3%
Yellow Time (s)	3.2	4.5	4.0	4.0	4.0	4.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.2	5.5	5.0	5.0	5.0	5.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	5.2	17.7	15.3	15.3	18.3	18.3
Actuated g/C Ratio	0.11	0.38	0.33	0.33	0.39	0.39
v/c Ratio	0.15	0.09	0.47	0.09	0.82	0.17
Control Delay	25.7	10.4	18.5	1.1	25.7	3.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.7	10.4	18.5	1.1	25.7	3.9
LOS	C	B	B	A	C	A
Approach Delay		13.4	15.7			22.0
Approach LOS		B	B			C

Intersection Summary	
Cycle Length: 60	
Actuated Cycle Length: 47	
Natural Cycle: 60	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.82	
Intersection Signal Delay: 19.1	Intersection LOS: B
Intersection Capacity Utilization 57.7%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 65: I-15 NB Ramps & Camino Del Rio South





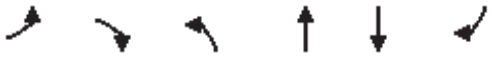
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	27	110	0	0	258	49	508	6	98	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	1863	1863	1900			
Adj Flow Rate, veh/h	29	118	0	0	287	0	564	7	37			
Adj No. of Lanes	1	2	0	0	1	1	1	1	0			
Peak Hour Factor	0.93	0.93	0.93	0.90	0.90	0.90	0.90	0.90	0.90			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	59	1486	0	0	553	470	634	92	488			
Arrive On Green	0.03	0.42	0.00	0.00	0.30	0.00	0.36	0.36	0.36			
Sat Flow, veh/h	1774	3632	0	0	1863	1583	1774	258	1364			
Grp Volume(v), veh/h	29	118	0	0	287	0	564	0	44			
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1863	1583	1774	0	1622			
Q Serve(g_s), s	0.8	0.9	0.0	0.0	6.0	0.0	14.1	0.0	0.8			
Cycle Q Clear(g_c), s	0.8	0.9	0.0	0.0	6.0	0.0	14.1	0.0	0.8			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		0.84			
Lane Grp Cap(c), veh/h	59	1486	0	0	553	470	634	0	580			
V/C Ratio(X)	0.49	0.08	0.00	0.00	0.52	0.00	0.89	0.00	0.08			
Avail Cap(c_a), veh/h	188	1915	0	0	664	564	904	0	826			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	22.4	8.2	0.0	0.0	13.8	0.0	14.3	0.0	10.0			
Incr Delay (d2), s/veh	2.3	0.0	0.0	0.0	0.3	0.0	6.3	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.4	0.5	0.0	0.0	3.2	0.0	7.8	0.0	0.4			
LnGrp Delay(d),s/veh	24.7	8.2	0.0	0.0	14.0	0.0	20.5	0.0	10.0			
LnGrp LOS	C	A			B		C		B			
Approach Vol, veh/h		147			287			608				
Approach Delay, s/veh		11.5			14.0			19.8				
Approach LOS		B			B			B				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		25.3		21.8	5.8	19.5		
Change Period (Y+Rc), s		5.5		5.0	* 4.2	* 5.5		
Max Green Setting (Gmax), s		25.5		24.0	* 5	* 17		
Max Q Clear Time (g_c+I1), s		2.9		16.1	2.8	8.0		
Green Ext Time (p_c), s		1.4		0.7	0.0	1.0		

Intersection Summary	
HCM 2010 Ctrl Delay	17.0
HCM 2010 LOS	B

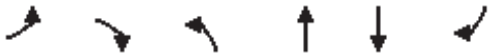
Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)	0	0	180			0
Storage Lanes	2	3	1			0
Taper Length (ft)	0		25			
Lane Util. Factor	0.97	0.76	1.00	0.95	0.91	0.91
Ped Bike Factor						
Frt		0.850			0.959	
Flt Protected	0.950		0.950			
Satd. Flow (prot)	3433	3610	1770	3539	4877	0
Flt Permitted	0.950		0.950			
Satd. Flow (perm)	3433	3610	1770	3539	4877	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		1220			174	
Link Speed (mph)	45			50	45	
Link Distance (ft)	797			948	780	
Travel Time (s)	12.1			12.9	11.8	

Intersection Summary	
Area Type:	Other



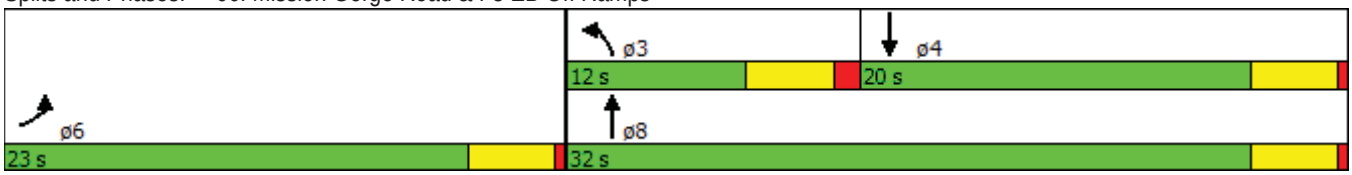
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Volume (vph)	957	1183	168	1000	613	231
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.97	0.97	0.92	0.92	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	987	1220	183	1087	626	236
Shared Lane Traffic (%)						
Lane Group Flow (vph)	987	1220	183	1087	862	0

Intersection Summary

Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Volume (vph)	957	1183	168	1000	613
Turn Type	Prot	Free	Prot	NA	NA
Protected Phases	6		3	8	4
Permitted Phases		Free			
Detector Phase	6		3	8	4
Switch Phase					
Minimum Initial (s)	4.0		5.0	4.0	4.0
Minimum Split (s)	20.0		9.7	20.0	20.0
Total Split (s)	23.0		12.0	32.0	20.0
Total Split (%)	41.8%		21.8%	58.2%	36.4%
Yellow Time (s)	3.5		3.7	3.5	3.5
All-Red Time (s)	0.5		1.0	0.5	0.5
Lost Time Adjust (s)	0.0		0.0	0.0	0.0
Total Lost Time (s)	4.0		4.7	4.0	4.0
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	Min		None	Min	Min
Act Effct Green (s)	17.8	51.1	6.9	25.2	13.6
Actuated g/C Ratio	0.35	1.00	0.14	0.49	0.27
v/c Ratio	0.83	0.34	0.76	0.62	0.61
Control Delay	23.6	0.3	47.0	11.5	15.1
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	23.6	0.3	47.0	11.5	15.1
LOS	C	A	D	B	B
Approach Delay	10.7			16.6	15.1
Approach LOS	B			B	B

Intersection Summary	
Cycle Length: 55	
Actuated Cycle Length: 51.1	
Natural Cycle: 55	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 13.3	Intersection LOS: B
Intersection Capacity Utilization 64.2%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 66: Mission Gorge Road & I-8 EB Off Ramps



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	957	1183	168	1000	613	231
Number	1	16	3	8	4	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	987	978	183	1087	626	144
Adj No. of Lanes	2	3	1	2	3	0
Peak Hour Factor	0.97	0.97	0.92	0.92	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1203	1261	229	1754	1144	259
Arrive On Green	0.35	0.35	0.13	0.50	0.28	0.28
Sat Flow, veh/h	3442	3610	1774	3632	4316	939
Grp Volume(v), veh/h	987	978	183	1087	510	260
Grp Sat Flow(s),veh/h/ln	1721	1203	1774	1770	1695	1697
Q Serve(g_s), s	13.5	12.5	5.2	11.5	6.6	6.8
Cycle Q Clear(g_c), s	13.5	12.5	5.2	11.5	6.6	6.8
Prop In Lane	1.00	1.00	1.00			0.55
Lane Grp Cap(c), veh/h	1203	1261	229	1754	935	468
V/C Ratio(X)	0.82	0.78	0.80	0.62	0.55	0.56
Avail Cap(c_a), veh/h	1266	1328	251	1919	1050	526
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	15.3	15.0	21.8	9.5	15.9	16.0
Incr Delay (d2), s/veh	4.3	2.8	13.8	0.5	0.5	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	4.4	3.4	5.7	3.1	3.3
LnGrp Delay(d),s/veh	19.6	17.8	35.6	10.0	16.4	17.0
LnGrp LOS	B	B	D	B	B	B
Approach Vol, veh/h	1965			1270	770	
Approach Delay, s/veh	18.7			13.7	16.6	
Approach LOS	B			B	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs			3	4		6		8
Phs Duration (G+Y+Rc), s			11.4	18.2		22.0		29.6
Change Period (Y+Rc), s			* 4.7	4.0		4.0		4.0
Max Green Setting (Gmax), s			* 7.3	16.0		19.0		28.0
Max Q Clear Time (g_c+I1), s			7.2	8.8		15.5		13.5
Green Ext Time (p_c), s			0.0	5.5		2.5		9.5

Intersection Summary	
HCM 2010 Ctrl Delay	16.7
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	110		110	85		200	190		0
Storage Lanes	1		1	1		1	1		1	1		0
Taper Length (ft)	0			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95
Ped Bike Factor	1.00		0.98	0.99		0.98	0.99		0.97	1.00	0.99	
Frt			0.850			0.850			0.850		0.978	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1863	1583	1770	3443	0
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1763	1863	1556	1760	1863	1558	1753	1863	1532	1762	3443	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			98			151			98		20	
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		1000			781			1255			1135	
Travel Time (s)		19.5			15.2			19.0			17.2	

Intersection Summary	
Area Type:	Other



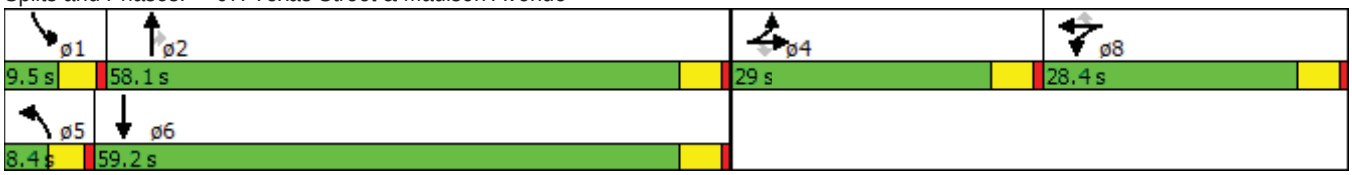
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	278	37	26	11	45	400	13	728	10	52	286	50
Confl. Peds. (#/hr)	2		3	3		2	5		4	4		5
Confl. Bikes (#/hr)												
Peak Hour Factor	0.84	0.84	0.84	0.93	0.93	0.93	0.95	0.95	0.95	0.87	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	331	44	31	12	48	430	14	766	11	60	329	57
Shared Lane Traffic (%)												
Lane Group Flow (vph)	331	44	31	12	48	430	14	766	11	60	386	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations											
Volume (vph)	278	37	26	11	45	400	13	728	10	52	286
Turn Type	Split	NA	Perm	Split	NA	Perm	Prot	NA	Perm	Prot	NA
Protected Phases	4	4		8	8		5	2		1	6
Permitted Phases			4			8			2		
Detector Phase	4	4	4	8	8	8	5	2	2	1	6
Switch Phase											
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0
Minimum Split (s)	24.9	24.9	24.9	23.9	23.9	23.9	8.4	24.9	24.9	8.4	23.9
Total Split (s)	29.0	29.0	29.0	28.4	28.4	28.4	8.4	58.1	58.1	9.5	59.2
Total Split (%)	23.2%	23.2%	23.2%	22.7%	22.7%	22.7%	6.7%	46.5%	46.5%	7.6%	47.4%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.9	3.9	3.4	3.9	3.9	3.4	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.4	4.9	4.9	4.4	4.9
Lead/Lag							Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?							Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	Min	None	Min
Act Effct Green (s)	24.1	24.1	24.1	23.5	23.5	23.5	4.0	52.3	52.3	5.1	58.5
Actuated g/C Ratio	0.19	0.19	0.19	0.19	0.19	0.19	0.03	0.42	0.42	0.04	0.47
v/c Ratio	0.97	0.12	0.08	0.04	0.14	1.03	0.25	0.98	0.02	0.83	0.24
Control Delay	90.3	42.9	0.4	42.0	43.6	84.6	69.8	62.7	0.0	124.8	19.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	90.3	42.9	0.4	42.0	43.6	84.6	69.8	62.7	0.0	124.8	19.5
LOS	F	D	A	D	D	F	E	E	A	F	B
Approach Delay		78.3			79.5			61.9			33.7
Approach LOS		E			E			E			C

Intersection Summary	
Cycle Length: 125	
Actuated Cycle Length: 124.1	
Natural Cycle: 125	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.03	
Intersection Signal Delay: 63.2	Intersection LOS: E
Intersection Capacity Utilization 91.0%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 67: Texas Street & Madison Avenue



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	278	37	26	11	45	400	13	728	10	52	286	50
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	331	44	0	12	48	296	14	766	0	60	329	46
Adj No. of Lanes	1	1	1	1	1	1	1	1	1	1	2	0
Peak Hour Factor	0.84	0.84	0.84	0.93	0.93	0.93	0.95	0.95	0.95	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	343	361	306	335	352	297	22	789	670	73	1410	195
Arrive On Green	0.19	0.19	0.00	0.19	0.19	0.19	0.01	0.42	0.00	0.04	0.45	0.45
Sat Flow, veh/h	1774	1863	1583	1774	1863	1576	1774	1863	1583	1774	3121	432
Grp Volume(v), veh/h	331	44	0	12	48	296	14	766	0	60	185	190
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1774	1863	1576	1774	1863	1583	1774	1770	1784
Q Serve(g_s), s	23.0	2.4	0.0	0.7	2.7	23.4	1.0	50.1	0.0	4.2	8.0	8.1
Cycle Q Clear(g_c), s	23.0	2.4	0.0	0.7	2.7	23.4	1.0	50.1	0.0	4.2	8.0	8.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.24
Lane Grp Cap(c), veh/h	343	361	306	335	352	297	22	789	670	73	800	806
V/C Ratio(X)	0.96	0.12	0.00	0.04	0.14	1.00	0.64	0.97	0.00	0.83	0.23	0.24
Avail Cap(c_a), veh/h	343	361	306	335	352	297	57	796	677	73	800	806
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.8	41.5	0.0	41.3	42.1	50.4	61.2	35.2	0.0	59.3	20.9	20.9
Incr Delay (d2), s/veh	38.7	0.1	0.0	0.0	0.1	50.8	11.0	25.0	0.0	49.0	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.0	1.3	0.0	0.3	1.4	14.4	0.5	31.2	0.0	3.0	4.0	4.1
LnGrp Delay(d),s/veh	88.4	41.5	0.0	41.3	42.1	101.2	72.2	60.1	0.0	108.3	21.1	21.1
LnGrp LOS	F	D		D	D	F	E	E		F	C	C
Approach Vol, veh/h		375			356			780			435	
Approach Delay, s/veh		82.9			91.2			60.4			33.1	
Approach LOS		F			F			E			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.5	57.6		29.0	5.9	61.2		28.4
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	5.1	53.2		24.1	4.0	54.3		23.5
Max Q Clear Time (g_c+I1), s	6.2	52.1		25.0	3.0	10.1		25.4
Green Ext Time (p_c), s	0.0	0.6		0.0	0.0	13.2		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	64.3
HCM 2010 LOS	E

Midday Peak Hour



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	180		0	200		0	0		190	0		0
Storage Lanes	1		0	2		0	0		1	0		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00	1.00		1.00	1.00			1.00	0.98		1.00	
Frt		0.969			0.997				0.850		0.972	
Flt Protected	0.950			0.950				0.953			0.972	
Satd. Flow (prot)	1770	4911	0	3433	3527	0	0	1775	1583	0	1755	0
Flt Permitted	0.950			0.950				0.716			0.832	
Satd. Flow (perm)	1765	4911	0	3429	3527	0	0	1332	1559	0	1500	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		78			2				100		4	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1079			674			1337			329	
Travel Time (s)		16.3			10.2			36.5			9.0	

Intersection Summary	
Area Type:	Other



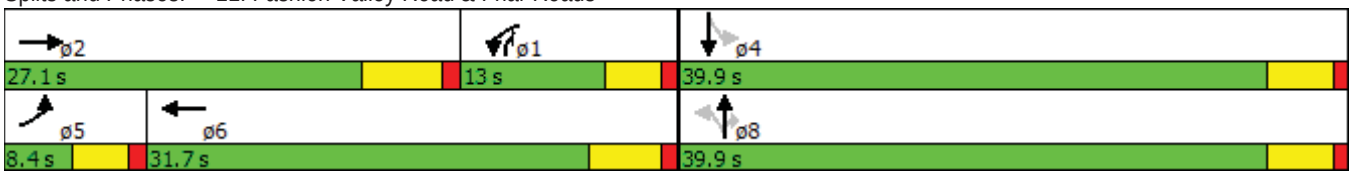
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	4	637	165	171	528	9	174	3	236	5	2	2
Confl. Peds. (#/hr)	2		2	2		2	2		5	5		2
Confl. Bikes (#/hr)			3			3						
Peak Hour Factor	0.98	0.98	0.98	0.90	0.90	0.90	0.90	0.90	0.90	0.45	0.45	0.45
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	4	650	168	190	587	10	193	3	262	11	4	4
Shared Lane Traffic (%)												
Lane Group Flow (vph)	4	818	0	190	597	0	0	196	262	0	19	0

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	4	637	171	528	174	3	236	5	2
Turn Type	Prot	NA	Prot	NA	Perm	NA	pm+ov	Perm	NA
Protected Phases	5	2	1	6		8	1		4
Permitted Phases					8		8	4	
Detector Phase	5	2	1	6	8	8	1	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	26.9	8.4	19.3	39.9	39.9	8.4	39.9	39.9
Total Split (s)	8.4	27.1	13.0	31.7	39.9	39.9	13.0	39.9	39.9
Total Split (%)	10.5%	33.9%	16.3%	39.6%	49.9%	49.9%	16.3%	49.9%	49.9%
Yellow Time (s)	3.4	4.9	3.4	4.3	3.9	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Lost Time (s)	4.4	5.9	4.4	5.3		4.9	4.4		4.9
Lead/Lag	Lead	Lead	Lag	Lag			Lag		
Lead-Lag Optimize?	Yes	Yes	Yes	Yes			Yes		
Recall Mode	None	Min	None	Min	None	None	None	None	None
Act Effct Green (s)	4.3	13.7	7.4	25.4		14.3	22.3		11.0
Actuated g/C Ratio	0.08	0.26	0.14	0.49		0.28	0.43		0.21
v/c Ratio	0.03	0.60	0.39	0.35		0.53	0.36		0.06
Control Delay	30.2	18.3	26.2	11.5		21.2	5.8		13.0
Queue Delay	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Delay	30.2	18.3	26.2	11.5		21.2	5.8		13.0
LOS	C	B	C	B		C	A		B
Approach Delay		18.4		15.0		12.4			13.0
Approach LOS		B		B		B			B

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 51.7	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.60	
Intersection Signal Delay: 15.7	Intersection LOS: B
Intersection Capacity Utilization 51.4%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 11: Fashion Valley Road & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	4	637	165	171	528	9	174	3	236	5	2	2
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	0.99		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	4	650	112	190	587	10	193	3	151	11	4	4
Adj No. of Lanes	1	3	0	2	2	0	0	1	1	0	1	0
Peak Hour Factor	0.98	0.98	0.98	0.90	0.90	0.90	0.90	0.90	0.90	0.45	0.45	0.45
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	8	1190	202	440	1541	26	482	5	523	217	77	41
Arrive On Green	0.00	0.27	0.27	0.13	0.43	0.43	0.20	0.20	0.20	0.20	0.20	0.20
Sat Flow, veh/h	1774	4366	742	3442	3559	61	1504	23	1572	377	378	201
Grp Volume(v), veh/h	4	503	259	190	292	305	196	0	151	19	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1717	1721	1770	1850	1527	0	1572	957	0	0
Q Serve(g_s), s	0.1	5.2	5.3	2.1	4.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.1	5.2	5.3	2.1	4.6	4.6	4.4	0.0	0.0	4.4	0.0	0.0
Prop In Lane	1.00		0.43	1.00		0.03	0.98		1.00	0.58		0.21
Lane Grp Cap(c), veh/h	8	924	468	440	766	801	487	0	523	335	0	0
V/C Ratio(X)	0.52	0.54	0.55	0.43	0.38	0.38	0.40	0.00	0.29	0.06	0.00	0.00
Avail Cap(c_a), veh/h	174	1766	894	727	1148	1200	1405	0	1554	1245	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	20.2	12.6	12.7	16.4	7.8	7.8	14.7	0.0	10.0	13.1	0.0	0.0
Incr Delay (d2), s/veh	18.6	0.5	1.0	0.2	0.4	0.4	0.3	0.0	0.2	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	2.4	2.6	1.0	2.3	2.4	2.0	0.0	1.2	0.2	0.0	0.0
LnGrp Delay(d),s/veh	38.8	13.1	13.7	16.6	8.2	8.2	14.9	0.0	10.2	13.2	0.0	0.0
LnGrp LOS	D	B	B	B	A	A	B		B	B		
Approach Vol, veh/h		766			787			347			19	
Approach Delay, s/veh		13.4			10.3			12.9			13.2	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.5	17.0		13.2	4.6	22.9		13.2
Change Period (Y+Rc), s	5.3	* 5.9		4.9	4.4	5.3		4.9
Max Green Setting (Gmax), s	8.6	* 21		35.0	4.0	26.4		35.0
Max Q Clear Time (g_c+I1), s	4.1	7.3		6.4	2.1	6.6		6.4
Green Ext Time (p_c), s	1.8	3.7		1.3	0.0	4.3		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	12.0
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	140		0	300		0	0		0	0		0
Storage Lanes	1		0	2		0	1		1	0		0
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00		1.00			0.99					
Frt		0.991							0.850			
Flt Protected	0.950			0.950			0.950					
Satd. Flow (prot)	1770	5034	0	3433	3539	0	1770	0	1583	0	0	0
Flt Permitted	0.950			0.950			0.950					
Satd. Flow (perm)	1770	5034	0	3430	3539	0	1759	0	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		12							246			
Link Speed (mph)		45			45			25			30	
Link Distance (ft)		674			1326			591			158	
Travel Time (s)		10.2			20.1			16.1			3.6	

Intersection Summary	
Area Type:	Other



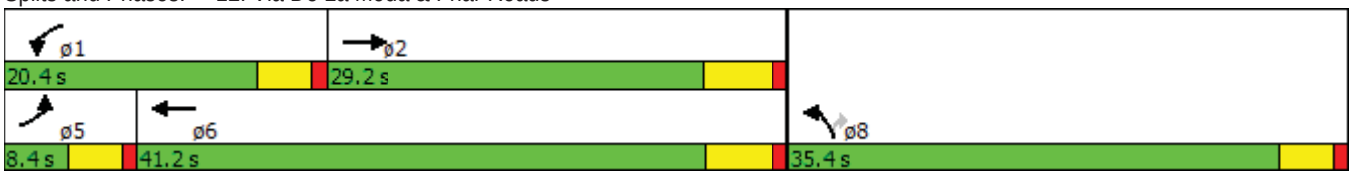
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	6	857	56	351	637	0	55	0	239	0	0	0
Confl. Peds. (#/hr)			2	2			7					
Confl. Bikes (#/hr)			4									
Peak Hour Factor	0.92	0.95	0.95	0.88	0.88	0.92	0.97	0.92	0.97	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	7	902	59	399	724	0	57	0	246	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	7	961	0	399	724	0	57	0	246	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (vph)	6	857	351	637	55	239
Turn Type	Prot	NA	Prot	NA	Prot	Perm
Protected Phases	5	2	1	6	8	
Permitted Phases						8
Detector Phase	5	2	1	6	8	8
Switch Phase						
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0
Minimum Split (s)	8.4	27.4	20.4	21.3	35.4	35.4
Total Split (s)	8.4	29.2	20.4	41.2	35.4	35.4
Total Split (%)	9.9%	34.4%	24.0%	48.5%	41.6%	41.6%
Yellow Time (s)	3.4	4.4	3.4	4.3	3.4	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.4	4.4	5.3	4.4	4.4
Lead/Lag	Lead	Lag	Lead	Lag		
Lead-Lag Optimize?	Yes	Yes	Yes	Yes		
Recall Mode	None	Min	None	Min	None	None
Act Effct Green (s)	4.3	16.0	10.9	30.8	9.3	9.3
Actuated g/C Ratio	0.08	0.31	0.21	0.60	0.18	0.18
v/c Ratio	0.05	0.61	0.55	0.34	0.18	0.51
Control Delay	31.0	18.4	23.6	8.2	19.5	7.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.0	18.4	23.6	8.2	19.5	7.0
LOS	C	B	C	A	B	A
Approach Delay		18.5		13.7		
Approach LOS		B		B		

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 51.6	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.61	
Intersection Signal Delay: 15.1	Intersection LOS: B
Intersection Capacity Utilization 42.7%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 12: Via De La Moda & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	6	857	56	351	637	0	55	0	239	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	0	1863	0	1863			
Adj Flow Rate, veh/h	7	902	48	399	724	0	57	0	86			
Adj No. of Lanes	1	3	0	2	2	0	1	0	1			
Peak Hour Factor	0.92	0.95	0.95	0.88	0.88	0.92	0.97	0.92	0.97			
Percent Heavy Veh, %	2	2	2	2	2	0	2	0	2			
Cap, veh/h	13	2088	111	572	2059	0	151	0	135			
Arrive On Green	0.01	0.42	0.42	0.17	0.58	0.00	0.09	0.00	0.09			
Sat Flow, veh/h	1774	4936	262	3442	3632	0	1774	0	1583			
Grp Volume(v), veh/h	7	619	331	399	724	0	57	0	86			
Grp Sat Flow(s),veh/h/ln	1774	1695	1808	1721	1770	0	1774	0	1583			
Q Serve(g_s), s	0.2	5.6	5.6	4.8	4.7	0.0	1.3	0.0	2.3			
Cycle Q Clear(g_c), s	0.2	5.6	5.6	4.8	4.7	0.0	1.3	0.0	2.3			
Prop In Lane	1.00		0.14	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	13	1434	765	572	2059	0	151	0	135			
V/C Ratio(X)	0.53	0.43	0.43	0.70	0.35	0.00	0.38	0.00	0.64			
Avail Cap(c_a), veh/h	163	1851	987	1263	2915	0	1262	0	1126			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	21.6	8.9	8.9	17.1	4.8	0.0	18.9	0.0	19.3			
Incr Delay (d2), s/veh	11.6	0.3	0.5	0.6	0.1	0.0	0.6	0.0	1.9			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.1	2.6	2.9	2.3	2.2	0.0	0.7	0.0	1.1			
LnGrp Delay(d),s/veh	33.2	9.1	9.4	17.7	4.9	0.0	19.4	0.0	21.2			
LnGrp LOS	C	A	A	B	A		B		C			
Approach Vol, veh/h		957			1123			143				
Approach Delay, s/veh		9.4			9.5			20.5				
Approach LOS		A			A			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2			5	6		8
Phs Duration (G+Y+Rc), s	11.6	23.8			4.7	30.8		8.1
Change Period (Y+Rc), s	4.4	5.4			4.4	* 5.4		4.4
Max Green Setting (Gmax), s	16.0	23.8			4.0	* 36		31.0
Max Q Clear Time (g_c+I1), s	6.8	7.6			2.2	6.7		4.3
Green Ext Time (p_c), s	0.5	10.7			0.0	15.8		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	10.1
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	150		0	410		0	0		0	0		0
Storage Lanes	1		0	2		0	1		1	1		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Ped Bike Factor		1.00			1.00		1.00				0.99	
Frt		0.993			0.999			0.850	0.850		0.850	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	5046	0	3433	5079	0	1770	1504	1504	1770	1562	0
Flt Permitted	0.950			0.950			0.757			0.677		
Satd. Flow (perm)	1770	5046	0	3433	5079	0	1408	1504	1504	1261	1562	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		9			2			424	424		148	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1326			818			332			302	
Travel Time (s)		20.1			12.4			9.1			8.2	

Intersection Summary	
Area Type:	Other



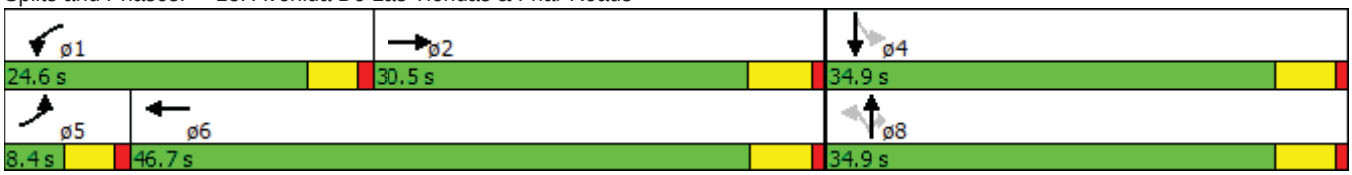
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	10	1046	54	705	1041	9	32	0	195	12	0	1
Confl. Peds. (#/hr)							2					2
Confl. Bikes (#/hr)			4			6						
Peak Hour Factor	0.93	0.93	0.93	0.96	0.96	0.96	0.83	0.83	0.83	0.65	0.65	0.65
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	11	1125	58	734	1084	9	39	0	235	18	0	2
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	11	1183	0	734	1093	0	39	118	117	18	2	0

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	10	1046	705	1041	32	0	195	12	0
Turn Type	Prot	NA	Prot	NA	Perm	NA	Perm	Perm	NA
Protected Phases	5	2	1	6		8			4
Permitted Phases					8		8	4	
Detector Phase	5	2	1	6	8	8	8	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	30.4	8.4	23.3	20.9	20.9	20.9	34.9	34.9
Total Split (s)	8.4	30.5	24.6	46.7	34.9	34.9	34.9	34.9	34.9
Total Split (%)	9.3%	33.9%	27.3%	51.9%	38.8%	38.8%	38.8%	38.8%	38.8%
Yellow Time (s)	3.4	4.4	3.4	4.3	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.4	4.4	5.3	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lead	Lag					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	None	Min	None	Min	None	None	None	None	None
Act Effct Green (s)	4.2	20.1	19.3	42.9	9.4	9.4	9.4	9.4	9.4
Actuated g/C Ratio	0.07	0.31	0.30	0.67	0.15	0.15	0.15	0.15	0.15
v/c Ratio	0.10	0.75	0.71	0.32	0.19	0.20	0.20	0.10	0.01
Control Delay	36.9	24.3	27.2	6.9	25.8	0.8	0.8	24.2	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	36.9	24.3	27.2	6.9	25.8	0.8	0.8	24.2	0.0
LOS	D	C	C	A	C	A	A	C	A
Approach Delay		24.4		15.0		4.3			21.8
Approach LOS		C		B		A			C

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 64.1	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.75	
Intersection Signal Delay: 17.6	Intersection LOS: B
Intersection Capacity Utilization 62.2%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 13: Avenida De Las Tiendas & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	10	1046	54	705	1041	9	32	0	195	12	0	1
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	0.99		1.00	0.99		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	11	1125	53	734	1084	9	39	0	0	18	0	0
Adj No. of Lanes	1	3	0	2	3	0	1	0	2	1	1	0
Peak Hour Factor	0.93	0.93	0.93	0.96	0.96	0.96	0.83	0.83	0.83	0.65	0.65	0.65
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	20	2074	98	883	3445	29	212	0	183	212	108	0
Arrive On Green	0.01	0.42	0.42	0.26	0.66	0.66	0.06	0.00	0.00	0.06	0.00	0.00
Sat Flow, veh/h	1774	4974	234	3442	5201	43	1397	0	3167	1397	1863	0
Grp Volume(v), veh/h	11	767	411	734	707	386	39	0	0	18	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1817	1721	1695	1854	1397	0	1583	1397	1863	0
Q Serve(g_s), s	0.3	9.3	9.3	11.0	4.9	4.9	1.5	0.0	0.0	0.7	0.0	0.0
Cycle Q Clear(g_c), s	0.3	9.3	9.3	11.0	4.9	4.9	1.5	0.0	0.0	0.7	0.0	0.0
Prop In Lane	1.00		0.13	1.00		0.02	1.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	20	1414	758	883	2245	1228	212	0	183	212	108	0
V/C Ratio(X)	0.55	0.54	0.54	0.83	0.31	0.31	0.18	0.00	0.00	0.08	0.00	0.00
Avail Cap(c_a), veh/h	130	1555	834	1271	2565	1403	898	0	1736	898	1021	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	26.9	12.0	12.0	19.2	3.9	3.9	25.0	0.0	0.0	24.6	0.0	0.0
Incr Delay (d2), s/veh	8.5	0.4	0.8	2.2	0.1	0.2	0.2	0.0	0.0	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	4.4	4.8	5.5	2.3	2.5	0.6	0.0	0.0	0.3	0.0	0.0
LnGrp Delay(d),s/veh	35.4	12.4	12.8	21.4	4.0	4.1	25.1	0.0	0.0	24.7	0.0	0.0
LnGrp LOS	D	B	B	C	A	A	C			C		
Approach Vol, veh/h		1189			1827			39			18	
Approach Delay, s/veh		12.8			11.0			25.1			24.7	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	18.4	28.2		8.1	5.0	41.6		8.1
Change Period (Y+Rc), s	4.4	5.4		4.9	4.4	* 5.4		4.9
Max Green Setting (Gmax), s	20.2	25.1		30.0	4.0	* 41		30.0
Max Q Clear Time (g_c+I1), s	13.0	11.3		2.7	2.3	6.9		3.5
Green Ext Time (p_c), s	1.0	11.5		0.1	0.0	23.8		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	12.0
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		100	0		0	0		300	0		260
Storage Lanes	1		1	0		1	0		1	1		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	1.00	0.95	0.95	1.00	0.95	0.95	1.00
Ped Bike Factor												
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950							0.957		0.950	0.954	
Satd. Flow (prot)	1770	5085	1583	0	5085	1583	0	3387	1583	1681	1688	1583
Flt Permitted	0.950							0.957		0.950	0.954	
Satd. Flow (perm)	1770	5085	1583	0	5085	1583	0	3387	1583	1681	1688	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			393			431			557			109
Link Speed (mph)		45			45			40			40	
Link Distance (ft)		818			1167			458			1120	
Travel Time (s)		12.4			17.7			7.8			19.1	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	69	848	539	0	1112	414	388	39	671	224	5	69
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.94	0.94	0.94	0.96	0.96	0.96	0.92	0.92	0.92	0.86	0.86	0.86
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	73	902	573	0	1158	431	422	42	729	260	6	80
Shared Lane Traffic (%)										49%		
Lane Group Flow (vph)	73	902	573	0	1158	431	0	464	729	133	133	80

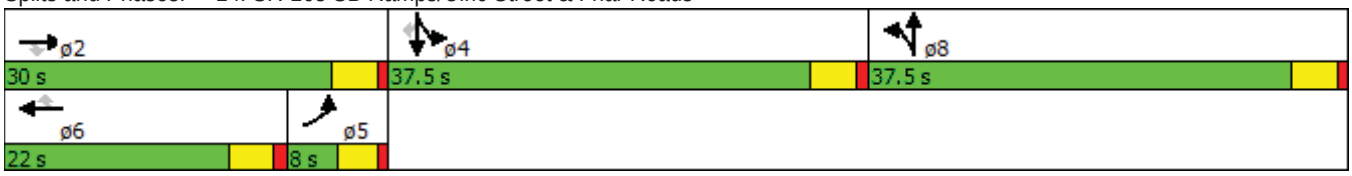
Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	69	848	539	1112	414	39	671	224	5	69
Turn Type	Prot	NA	Perm	NA	Perm	NA	Free	Split	NA	Perm
Protected Phases	5	2		6		8		4	4	
Permitted Phases			2		6		Free			4
Detector Phase	5	2	2	6	6	8		4	4	4
Switch Phase										
Minimum Initial (s)	2.0	10.0	10.0	10.0	10.0	4.0		4.0	4.0	4.0
Minimum Split (s)	8.0	22.5	22.5	20.0	20.0	37.5		37.5	37.5	37.5
Total Split (s)	8.0	30.0	30.0	22.0	22.0	37.5		37.5	37.5	37.5
Total Split (%)	7.6%	28.6%	28.6%	21.0%	21.0%	35.7%		35.7%	35.7%	35.7%
Yellow Time (s)	3.0	3.5	3.5	3.5	3.5	3.5		3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	4.0	4.5	4.5	4.5	4.5	4.5		4.5	4.5	4.5
Lead/Lag	Lag			Lead	Lead					
Lead-Lag Optimize?	Yes			Yes	Yes					
Recall Mode	None	Min	Min	Min	Min	None		None	None	None
Act Effct Green (s)	4.0	25.7	25.7	17.6	17.6	12.8	61.6	9.5	9.5	9.5
Actuated g/C Ratio	0.06	0.42	0.42	0.29	0.29	0.21	1.00	0.15	0.15	0.15
v/c Ratio	0.63	0.43	0.64	0.80	0.57	1.14dl	0.46	0.52	0.51	0.24
Control Delay	57.8	14.5	9.2	27.0	5.9	27.5	1.0	32.0	31.9	5.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	57.8	14.5	9.2	27.0	5.9	27.5	1.0	32.0	31.9	5.1
LOS	E	B	A	C	A	C	A	C	C	A
Approach Delay		14.5		21.3		11.3			25.8	
Approach LOS		B		C		B			C	

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 61.6	
Natural Cycle: 105	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.80	
Intersection Signal Delay: 16.8	Intersection LOS: B
Intersection Capacity Utilization 64.3%	ICU Level of Service C
Analysis Period (min) 15	

dl Defacto Left Lane. Recode with 1 though lane as a left lane.

Splits and Phases: 14: SR-163 SB Ramps/Ulric Street & Friar Roads





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	69	848	539	0	1112	414	388	39	671	224	5	69
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	0	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	73	902	0	0	1158	129	422	42	0	264	0	4
Adj No. of Lanes	1	3	1	0	3	1	0	2	1	2	0	1
Peak Hour Factor	0.94	0.94	0.94	0.96	0.96	0.96	0.92	0.92	0.92	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2	0	2	2	2	2	2	2	2	2
Cap, veh/h	93	2003	624	0	1372	427	499	498	446	389	0	174
Arrive On Green	0.05	0.39	0.00	0.00	0.27	0.27	0.28	0.28	0.00	0.11	0.00	0.11
Sat Flow, veh/h	1774	5085	1583	0	5253	1583	1774	1770	1583	3548	0	1583
Grp Volume(v), veh/h	73	902	0	0	1158	129	422	42	0	264	0	4
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	0	1695	1583	1774	1770	1583	1774	0	1583
Q Serve(g_s), s	2.6	8.2	0.0	0.0	13.5	4.1	14.1	1.1	0.0	4.5	0.0	0.1
Cycle Q Clear(g_c), s	2.6	8.2	0.0	0.0	13.5	4.1	14.1	1.1	0.0	4.5	0.0	0.1
Prop In Lane	1.00		1.00	0.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	93	2003	624	0	1372	427	499	498	446	389	0	174
V/C Ratio(X)	0.79	0.45	0.00	0.00	0.84	0.30	0.85	0.08	0.00	0.68	0.00	0.02
Avail Cap(c_a), veh/h	113	2066	643	0	1418	441	933	930	833	1866	0	833
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	29.4	14.0	0.0	0.0	21.7	18.2	21.3	16.6	0.0	26.9	0.0	24.9
Incr Delay (d2), s/veh	20.7	0.2	0.0	0.0	4.8	0.4	1.5	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	3.9	0.0	0.0	6.9	1.8	7.0	0.5	0.0	2.2	0.0	0.1
LnGrp Delay(d),s/veh	50.1	14.2	0.0	0.0	26.4	18.6	22.8	16.6	0.0	27.6	0.0	25.0
LnGrp LOS	D	B			C	B	C	B		C		C
Approach Vol, veh/h		975			1287			464			268	
Approach Delay, s/veh		16.9			25.7			22.3			27.6	
Approach LOS		B			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		29.2		11.4	7.8	21.4		22.2
Change Period (Y+Rc), s		4.5		4.5	4.5	* 4.5		4.5
Max Green Setting (Gmax), s		25.5		33.0	4.0	* 18		33.0
Max Q Clear Time (g_c+I1), s		10.2		6.5	4.6	15.5		16.1
Green Ext Time (p_c), s		5.5		0.5	0.0	1.4		1.6

Intersection Summary	
HCM 2010 Ctrl Delay	22.4
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	200		0	130		0	200		200	140		0
Storage Lanes	2		1	1		1	2		0	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	0.95	0.97	1.00	1.00
Ped Bike Factor												
Frt			0.850			0.850		0.919				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3253	0	3433	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3433	5085	1583	1770	5085	1583	3433	3253	0	3433	1863	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			577			170		113				254
Link Speed (mph)		45			50			25			25	
Link Distance (ft)		746			633			685			884	
Travel Time (s)		11.3			8.6			18.7			24.1	

Intersection Summary	
Area Type:	Other



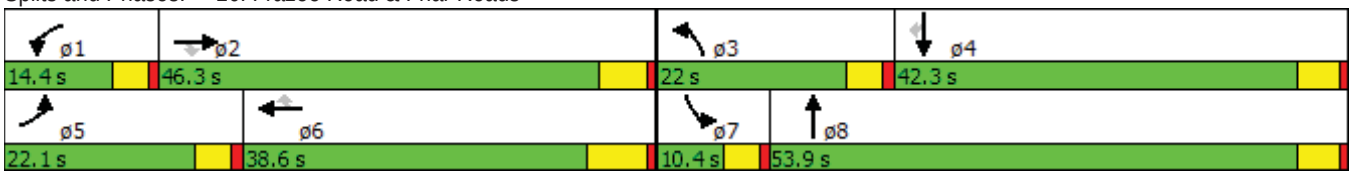
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	402	1117	502	82	1105	44	345	86	101	77	129	421
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.89	0.89	0.89	0.85	0.85	0.85
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	484	1346	605	99	1331	53	388	97	113	91	152	495
Shared Lane Traffic (%)												
Lane Group Flow (vph)	484	1346	605	99	1331	53	388	210	0	91	152	495

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	402	1117	502	82	1105	44	345	86	77	129	421
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Prot	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases			2			6					4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	10.0	10.0	4.0	10.0	10.0	6.0	7.0	6.0	7.0	7.0
Minimum Split (s)	10.4	32.5	32.5	8.4	35.5	35.5	10.4	53.9	10.4	20.0	20.0
Total Split (s)	22.1	46.3	46.3	14.4	38.6	38.6	22.0	53.9	10.4	42.3	42.3
Total Split (%)	17.7%	37.0%	37.0%	11.5%	30.9%	30.9%	17.6%	43.1%	8.3%	33.8%	33.8%
Yellow Time (s)	3.4	4.5	4.5	3.4	5.5	5.5	3.4	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.5	5.5	4.4	6.5	6.5	4.4	4.9	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	Min	Min
Act Effct Green (s)	17.9	42.3	42.3	9.1	32.5	32.5	15.8	36.9	6.1	24.7	24.7
Actuated g/C Ratio	0.16	0.38	0.38	0.08	0.29	0.29	0.14	0.33	0.05	0.22	0.22
v/c Ratio	0.88	0.70	0.63	0.69	0.90	0.09	0.80	0.18	0.49	0.37	0.90
Control Delay	65.2	33.5	6.7	76.5	48.4	0.3	60.3	12.3	63.7	38.4	40.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.2	33.5	6.7	76.5	48.4	0.3	60.3	12.3	63.7	38.4	40.8
LOS	E	C	A	E	D	A	E	B	E	D	D
Approach Delay		33.2			48.6			43.4		43.1	
Approach LOS		C			D			D		D	

Intersection Summary	
Cycle Length: 125	
Actuated Cycle Length: 111.3	
Natural Cycle: 125	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.90	
Intersection Signal Delay: 40.1	Intersection LOS: D
Intersection Capacity Utilization 70.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 16: Frazee Road & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	402	1117	502	82	1105	44	345	86	101	77	129	421
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	484	1346	135	99	1331	0	388	97	34	91	152	283
Adj No. of Lanes	2	3	1	1	3	1	2	2	0	2	1	1
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.89	0.89	0.89	0.85	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	546	2004	624	124	1554	484	458	750	252	184	388	330
Arrive On Green	0.16	0.39	0.39	0.07	0.31	0.00	0.13	0.29	0.29	0.05	0.21	0.21
Sat Flow, veh/h	3442	5085	1583	1774	5085	1583	3442	2604	874	3442	1863	1583
Grp Volume(v), veh/h	484	1346	135	99	1331	0	388	65	66	91	152	283
Grp Sat Flow(s),veh/h/ln	1721	1695	1583	1774	1695	1583	1721	1770	1708	1721	1863	1583
Q Serve(g_s), s	14.3	22.7	5.9	5.7	25.6	0.0	11.5	2.8	3.0	2.7	7.3	17.9
Cycle Q Clear(g_c), s	14.3	22.7	5.9	5.7	25.6	0.0	11.5	2.8	3.0	2.7	7.3	17.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.51	1.00		1.00
Lane Grp Cap(c), veh/h	546	2004	624	124	1554	484	458	510	492	184	388	330
V/C Ratio(X)	0.89	0.67	0.22	0.80	0.86	0.00	0.85	0.13	0.13	0.49	0.39	0.86
Avail Cap(c_a), veh/h	586	2004	624	171	1569	489	582	834	805	199	670	569
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.8	26.0	20.9	47.6	34.0	0.0	44.0	27.4	27.4	47.9	35.5	39.7
Incr Delay (d2), s/veh	13.8	1.0	0.2	11.4	5.2	0.0	7.9	0.0	0.0	1.1	0.4	4.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.8	10.8	2.6	3.2	12.7	0.0	5.9	1.4	1.4	1.3	3.8	8.2
LnGrp Delay(d),s/veh	56.6	27.0	21.1	59.1	39.1	0.0	52.0	27.4	27.5	49.0	35.9	43.7
LnGrp LOS	E	C	C	E	D		D	C	C	D	D	D
Approach Vol, veh/h		1965			1430			519			526	
Approach Delay, s/veh		33.9			40.5			45.8			42.4	
Approach LOS		C			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.7	47.5	18.3	26.6	20.9	38.3	10.0	34.9
Change Period (Y+Rc), s	4.4	* 6.5	4.4	4.9	4.4	6.5	4.4	4.9
Max Green Setting (Gmax), s	10.0	* 41	17.6	37.4	17.7	32.1	6.0	49.0
Max Q Clear Time (g_c+I1), s	7.7	24.7	13.5	19.9	16.3	27.6	4.7	5.0
Green Ext Time (p_c), s	0.0	15.1	0.4	1.8	0.2	4.2	0.0	1.9

Intersection Summary	
HCM 2010 Ctrl Delay	38.4
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	240		240	260		260	200		0	210		210
Storage Lanes	1		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	0.97	0.91	1.00	0.97	1.00	1.00	0.97	0.95	0.95
Ped Bike Factor	1.00		0.99	1.00		0.98	0.99		0.98	0.99	0.99	0.98
Frt			0.850			0.850			0.850		0.915	0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	5085	1583	3433	5085	1583	3433	1863	1583	3433	1601	1504
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1767	5085	1563	3432	5085	1557	3409	1863	1551	3403	1601	1475
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			366			102			223		29	114
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1172			1541			740			798	
Travel Time (s)		16.0			21.0			20.2			21.8	

Intersection Summary	
Area Type:	Other



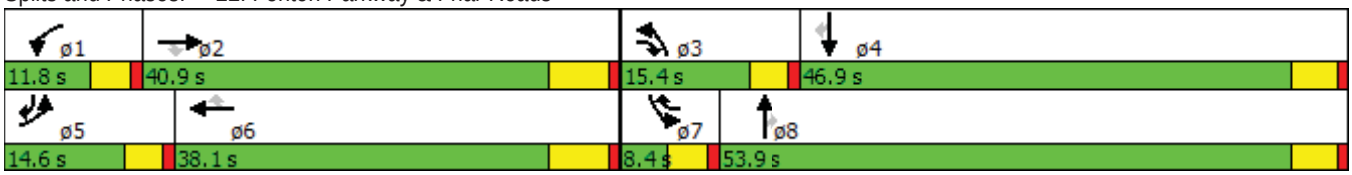
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	66	1057	333	205	830	19	310	16	327	25	18	62
Confl. Peds. (#/hr)	4		1	1		4	9		10	10		9
Confl. Bikes (#/hr)												
Peak Hour Factor	0.91	0.91	0.91	0.95	0.95	0.95	0.94	0.94	0.94	0.82	0.82	0.82
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	73	1162	366	216	874	20	330	17	348	30	22	76
Shared Lane Traffic (%)												38%
Lane Group Flow (vph)	73	1162	366	216	874	20	330	17	348	30	51	47

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	66	1057	333	205	830	19	310	16	327	25	18	62
Turn Type	Prot	NA	pm+ov	Prot	NA	pm+ov	Prot	NA	Perm	Prot	NA	pm+ov
Protected Phases	5	2	3	1	6	7	3	8		7	4	5
Permitted Phases			2			6			8			4
Detector Phase	5	2	3	1	6	7	3	8	8	7	4	5
Switch Phase												
Minimum Initial (s)	4.0	10.0	4.0	4.0	10.0	4.0	4.0	7.0	7.0	4.0	7.0	4.0
Minimum Split (s)	8.4	40.2	8.4	8.4	37.2	8.4	8.4	43.9	43.9	8.4	46.9	8.4
Total Split (s)	14.6	40.9	15.4	11.8	38.1	8.4	15.4	53.9	53.9	8.4	46.9	14.6
Total Split (%)	12.7%	35.6%	13.4%	10.3%	33.1%	7.3%	13.4%	46.9%	46.9%	7.3%	40.8%	12.7%
Yellow Time (s)	3.4	5.2	3.4	3.4	5.2	3.4	3.4	3.9	3.9	3.4	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.2	4.4	4.4	6.2	4.4	4.4	4.9	4.9	4.4	4.9	4.4
Lead/Lag	Lead	Lag	Lead	Lead	Lag	Lead	Lead	Lag	Lag	Lead	Lag	Lead
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	Min	None	None	Min	None	None	None	None	None	None	None
Act Effct Green (s)	7.7	24.2	38.3	8.1	27.3	33.6	12.2	19.5	19.5	4.4	15.1	17.6
Actuated g/C Ratio	0.11	0.33	0.52	0.11	0.37	0.46	0.17	0.27	0.27	0.06	0.21	0.24
v/c Ratio	0.39	0.69	0.37	0.57	0.46	0.03	0.58	0.03	0.60	0.15	0.14	0.11
Control Delay	44.0	25.6	2.9	43.3	22.5	0.1	38.2	20.7	13.4	44.1	15.7	0.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	44.0	25.6	2.9	43.3	22.5	0.1	38.2	20.7	13.4	44.1	15.7	0.5
LOS	D	C	A	D	C	A	D	C	B	D	B	A
Approach Delay		21.3			26.1			25.3			16.8	
Approach LOS		C			C			C			B	

Intersection Summary	
Cycle Length: 115	
Actuated Cycle Length: 73.1	
Natural Cycle: 115	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.69	
Intersection Signal Delay: 23.4	Intersection LOS: C
Intersection Capacity Utilization 61.4%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 22: Fenton Parkway & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	66	1057	333	205	830	19	310	16	327	25	18	62
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	73	1162	0	216	874	0	330	17	210	30	22	0
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.91	0.91	0.91	0.95	0.95	0.95	0.94	0.94	0.94	0.82	0.82	0.82
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	94	2102	846	299	2275	747	417	402	337	87	222	272
Arrive On Green	0.05	0.41	0.00	0.09	0.45	0.00	0.12	0.22	0.22	0.02	0.12	0.00
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1561	3548	1863	1583
Grp Volume(v), veh/h	73	1162	0	216	874	0	330	17	210	30	22	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1561	1774	1863	1583
Q Serve(g_s), s	3.1	13.3	0.0	4.7	8.8	0.0	7.1	0.6	9.3	0.6	0.8	0.0
Cycle Q Clear(g_c), s	3.1	13.3	0.0	4.7	8.8	0.0	7.1	0.6	9.3	0.6	0.8	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	94	2102	846	299	2275	747	417	402	337	87	222	272
V/C Ratio(X)	0.78	0.55	0.00	0.72	0.38	0.00	0.79	0.04	0.62	0.34	0.10	0.00
Avail Cap(c_a), veh/h	236	2303	909	332	2275	747	494	1191	998	185	1021	951
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	35.8	17.1	0.0	34.1	14.1	0.0	32.7	23.8	27.2	36.8	30.1	0.0
Incr Delay (d2), s/veh	5.1	0.9	0.0	5.4	0.4	0.0	6.0	0.1	4.9	0.9	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	6.4	0.0	2.4	4.1	0.0	3.7	0.3	4.5	0.3	0.5	0.0
LnGrp Delay(d),s/veh	41.0	18.0	0.0	39.5	14.5	0.0	38.7	23.9	32.1	37.6	31.0	0.0
LnGrp LOS	D	B		D	B		D	C	C	D	C	
Approach Vol, veh/h		1235			1090			557			52	
Approach Delay, s/veh		19.4			19.5			35.8			34.8	
Approach LOS		B			B			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.0	37.9	13.7	14.0	8.5	40.5	6.3	21.4
Change Period (Y+Rc), s	4.4	6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	7.4	34.7	11.0	42.0	10.2	31.9	4.0	49.0
Max Q Clear Time (g_c+I1), s	6.7	15.3	9.1	2.8	5.1	10.8	2.6	11.3
Green Ext Time (p_c), s	0.0	16.3	0.1	2.7	0.0	19.6	0.0	2.7

Intersection Summary	
HCM 2010 Ctrl Delay	22.8
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	300		300	260		260	180		0	190		300
Storage Lanes	2		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.91	1.00	0.97	0.91	1.00	0.97	1.00	1.00	0.97	1.00	1.00
Ped Bike Factor			0.99	1.00					0.99	1.00		
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	5085	1583	3433	5085	1583	3433	1863	1583	3433	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3433	5085	1561	3430	5085	1583	3433	1863	1563	3430	1863	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			340			106			75			206
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1541			1521			578			725	
Travel Time (s)		21.0			20.7			15.8			19.8	

Intersection Summary	
Area Type:	Other



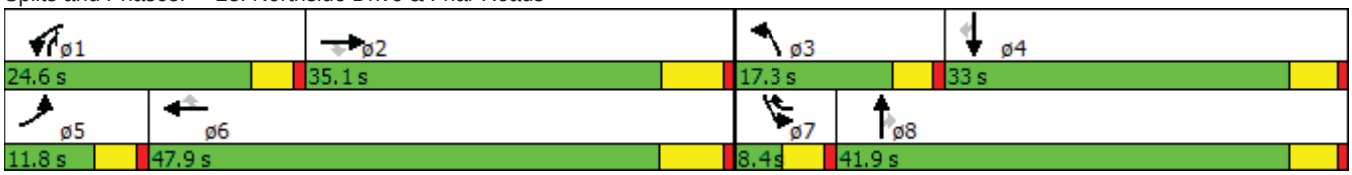
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	103	964	316	625	748	52	225	21	614	95	13	93
Confl. Peds. (#/hr)			2	2					1	1		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.93	0.93	0.93	0.94	0.94	0.94	0.96	0.96	0.96	0.95	0.95	0.95
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	111	1037	340	665	796	55	234	22	640	100	14	98
Shared Lane Traffic (%)												
Lane Group Flow (vph)	111	1037	340	665	796	55	234	22	640	100	14	98

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	103	964	316	625	748	52	225	21	614	95	13	93
Turn Type	Prot	NA	Perm	Prot	NA	pm+ov	Prot	NA	pm+ov	Prot	NA	Perm
Protected Phases	5	2		1	6	7	3	8	1	7	4	
Permitted Phases			2			6			8			4
Detector Phase	5	2	2	1	6	7	3	8	1	7	4	4
Switch Phase												
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	4.0	4.0	7.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	35.0	35.0	8.4	33.2	8.4	8.4	41.9	8.4	8.4	20.9	20.9
Total Split (s)	11.8	35.1	35.1	24.6	47.9	8.4	17.3	41.9	24.6	8.4	33.0	33.0
Total Split (%)	10.7%	31.9%	31.9%	22.4%	43.5%	7.6%	15.7%	38.1%	22.4%	7.6%	30.0%	30.0%
Yellow Time (s)	3.4	5.0	5.0	3.4	5.2	3.4	3.4	3.9	3.4	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.0	6.0	4.4	6.2	4.4	4.4	4.9	4.4	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lead	Lag	Lead	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	Min	Min	None	Min	None	None	None	None	None	None	None
Act Effct Green (s)	6.8	23.9	23.9	21.1	40.8	62.3	10.2	15.3	30.7	13.7	14.0	14.0
Actuated g/C Ratio	0.08	0.28	0.28	0.25	0.48	0.73	0.12	0.18	0.36	0.16	0.16	0.16
v/c Ratio	0.40	0.73	0.50	0.78	0.33	0.05	0.57	0.07	1.04	0.18	0.05	0.23
Control Delay	46.7	32.5	6.2	41.1	17.5	0.2	44.3	28.6	71.6	40.3	32.9	1.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	46.7	32.5	6.2	41.1	17.5	0.2	44.3	28.6	71.6	40.3	32.9	1.2
LOS	D	C	A	D	B	A	D	C	E	D	C	A
Approach Delay		27.5			27.2			63.4			21.8	
Approach LOS		C			C			E			C	

Intersection Summary	
Cycle Length: 110	
Actuated Cycle Length: 85.3	
Natural Cycle: 105	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.04	
Intersection Signal Delay: 34.9	Intersection LOS: C
Intersection Capacity Utilization 72.8%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 23: Northside Drive & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	103	964	316	625	748	52	225	21	614	95	13	93
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	111	1037	71	665	796	0	234	22	562	100	14	0
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.93	0.93	0.93	0.94	0.94	0.94	0.96	0.96	0.96	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	169	1341	417	660	2066	703	300	592	806	131	501	426
Arrive On Green	0.05	0.26	0.26	0.19	0.41	0.00	0.09	0.32	0.32	0.04	0.27	0.00
Sat Flow, veh/h	3442	5085	1580	3442	5085	1583	3442	1863	1582	3442	1863	1583
Grp Volume(v), veh/h	111	1037	71	665	796	0	234	22	562	100	14	0
Grp Sat Flow(s),veh/h/ln	1721	1695	1580	1721	1695	1583	1721	1863	1582	1721	1863	1583
Q Serve(g_s), s	3.3	19.9	3.7	20.2	11.6	0.0	7.0	0.9	28.5	3.0	0.6	0.0
Cycle Q Clear(g_c), s	3.3	19.9	3.7	20.2	11.6	0.0	7.0	0.9	28.5	3.0	0.6	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	169	1341	417	660	2066	703	300	592	806	131	501	426
V/C Ratio(X)	0.66	0.77	0.17	1.01	0.39	0.00	0.78	0.04	0.70	0.77	0.03	0.00
Avail Cap(c_a), veh/h	242	1404	436	660	2066	703	421	654	859	131	501	426
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	49.3	35.9	29.9	42.6	22.0	0.0	47.1	24.8	19.7	50.2	28.4	0.0
Incr Delay (d2), s/veh	1.6	3.4	0.5	37.1	0.3	0.0	3.8	0.1	3.7	21.3	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	9.7	1.6	12.9	5.5	0.0	3.5	0.5	13.1	1.8	0.3	0.0
LnGrp Delay(d),s/veh	50.9	39.3	30.4	79.7	22.3	0.0	50.9	24.9	23.4	71.6	28.5	0.0
LnGrp LOS	D	D	C	F	C		D	C	C	E	C	
Approach Vol, veh/h		1219			1461			818			114	
Approach Delay, s/veh		39.9			48.4			31.3			66.3	
Approach LOS		D			D			C			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	24.6	34.0	13.6	33.2	9.6	49.0	8.4	38.4
Change Period (Y+Rc), s	4.4	* 6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	20.2	* 29	12.9	28.1	7.4	41.7	4.0	37.0
Max Q Clear Time (g_c+I1), s	22.2	21.9	9.0	2.6	5.3	13.6	5.0	30.5
Green Ext Time (p_c), s	0.0	5.9	0.2	7.0	0.0	23.2	0.0	3.0

Intersection Summary	
HCM 2010 Ctrl Delay	42.2
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		0	0		0	160		200	300		200
Storage Lanes	1		1	0		0	1		1	2		1
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	0.95	0.95	0.95	1.00	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor	0.99	1.00	0.97		0.99		0.98		0.97	1.00		0.97
Frt			0.850		0.945				0.850			0.850
Flt Protected	0.950	0.998			0.999		0.950			0.950		
Satd. Flow (prot)	1513	1589	1425	0	2969	0	1593	3185	1425	3090	3185	1425
Flt Permitted	0.950	0.998			0.999		0.950			0.950		
Satd. Flow (perm)	1498	1589	1389	0	2968	0	1564	3185	1387	3074	3185	1379
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			124		73				116			84
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1168			1523			533			740	
Travel Time (s)		19.9			26.0			14.5			20.2	

Intersection Summary	
Area Type:	CBD



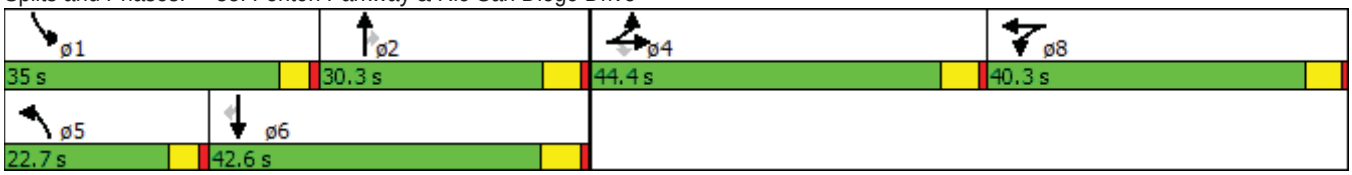
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	101	239	113	9	304	183	86	157	1	406	102	54
Confl. Peds. (#/hr)	14		9	9		14	12		2	2		12
Confl. Bikes (#/hr)						2						
Peak Hour Factor	0.91	0.91	0.91	0.90	0.90	0.90	0.81	0.81	0.81	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	111	263	124	10	338	203	106	194	1	441	111	59
Shared Lane Traffic (%)	10%											
Lane Group Flow (vph)	100	274	124	0	551	0	106	194	1	441	111	59

Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	101	239	113	304	86	157	1	406	102	54
Turn Type	Split	NA	Perm	NA	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	4	4		8	5	2		1	6	
Permitted Phases			4				2			6
Detector Phase	4	4	4	8	5	2	2	1	6	6
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0	7.0
Minimum Split (s)	35.2	35.2	35.2	34.9	8.4	28.3	28.3	8.4	31.4	31.4
Total Split (s)	44.4	44.4	44.4	40.3	22.7	30.3	30.3	35.0	42.6	42.6
Total Split (%)	29.6%	29.6%	29.6%	26.9%	15.1%	20.2%	20.2%	23.3%	28.4%	28.4%
Yellow Time (s)	4.2	4.2	4.2	3.9	3.4	4.3	4.3	3.4	4.4	4.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.2	5.2	5.2	4.9	4.4	5.3	5.3	4.4	5.4	5.4
Lead/Lag					Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	24.0	24.0	24.0	22.9	11.5	16.6	16.6	20.2	25.2	25.2
Actuated g/C Ratio	0.23	0.23	0.23	0.22	0.11	0.16	0.16	0.19	0.24	0.24
v/c Ratio	0.29	0.75	0.30	0.78	0.61	0.38	0.00	0.74	0.15	0.15
Control Delay	39.1	53.9	8.8	43.7	65.3	46.5	0.0	50.6	36.6	4.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	39.1	53.9	8.8	43.7	65.3	46.5	0.0	50.6	36.6	4.5
LOS	D	D	A	D	E	D	A	D	D	A
Approach Delay		39.7		43.7		53.0			43.6	
Approach LOS		D		D		D			D	

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 104.9	
Natural Cycle: 120	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 44.1	Intersection LOS: D
Intersection Capacity Utilization 72.7%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 35: Fenton Parkway & Rio San Diego Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	101	239	113	9	304	183	86	157	1	406	102	54
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1676	1676	1676	1710	1676	1710	1676	1676	1676	1676	1676	1676
Adj Flow Rate, veh/h	111	263	25	10	338	142	106	194	0	441	111	0
Adj No. of Lanes	1	1	1	0	2	0	1	2	1	2	2	1
Peak Hour Factor	0.91	0.91	0.91	0.90	0.90	0.90	0.81	0.81	0.81	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	339	356	297	14	470	207	132	496	222	532	780	349
Arrive On Green	0.21	0.21	0.21	0.22	0.22	0.22	0.08	0.16	0.00	0.17	0.24	0.00
Sat Flow, veh/h	1597	1676	1397	62	2140	944	1597	3185	1425	3097	3185	1425
Grp Volume(v), veh/h	111	263	25	268	0	222	106	194	0	441	111	0
Grp Sat Flow(s),veh/h/ln	1597	1676	1397	1673	0	1472	1597	1593	1425	1549	1593	1425
Q Serve(g_s), s	4.9	12.1	1.2	12.3	0.0	11.4	5.4	4.5	0.0	11.4	2.3	0.0
Cycle Q Clear(g_c), s	4.9	12.1	1.2	12.3	0.0	11.4	5.4	4.5	0.0	11.4	2.3	0.0
Prop In Lane	1.00		1.00	0.04		0.64	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	339	356	297	368	0	323	132	496	222	532	780	349
V/C Ratio(X)	0.33	0.74	0.08	0.73	0.00	0.69	0.80	0.39	0.00	0.83	0.14	0.00
Avail Cap(c_a), veh/h	756	794	662	716	0	630	353	962	431	1145	1432	641
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	27.6	30.4	26.1	30.0	0.0	29.7	37.3	31.4	0.0	33.1	24.4	0.0
Incr Delay (d2), s/veh	0.3	1.9	0.1	1.1	0.0	1.0	4.3	2.3	0.0	1.3	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	5.8	0.5	5.8	0.0	4.7	2.5	2.2	0.0	4.9	1.0	0.0
LnGrp Delay(d),s/veh	27.9	32.3	26.2	31.1	0.0	30.6	41.6	33.7	0.0	34.4	24.8	0.0
LnGrp LOS	C	C	C	C		C	D	C		C	C	
Approach Vol, veh/h		399			490			300			552	
Approach Delay, s/veh		30.7			30.9			36.5			32.5	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	18.6	18.3		22.8	11.2	25.7		23.1
Change Period (Y+Rc), s	4.4	* 5.4		5.2	4.4	5.4		4.9
Max Green Setting (Gmax), s	30.6	* 25		39.2	18.3	37.2		35.4
Max Q Clear Time (g_c+I1), s	13.4	6.5		14.1	7.4	4.3		14.3
Green Ext Time (p_c), s	0.8	4.8		1.2	0.1	6.5		1.7

Intersection Summary	
HCM 2010 Ctrl Delay	32.3
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	130		0	0		200	70		200	100		0
Storage Lanes	1		0	0		1	1		1	1		1
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor	0.96	0.96			1.00	0.95	1.00		0.97	0.99		0.99
Frt		0.995				0.850			0.850			0.850
Flt Protected	0.950	0.957			0.984		0.950			0.950		
Satd. Flow (prot)	1681	1684	0	0	1833	1583	1770	3539	1583	1770	1863	1583
Flt Permitted	0.950	0.957			0.984		0.950			0.950		
Satd. Flow (perm)	1616	1625	0	0	1830	1501	1768	3539	1536	1757	1863	1563
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		2				162			162			337
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1523			649			624			578	
Travel Time (s)		26.0			11.1			17.0			15.8	

Intersection Summary	
Area Type:	Other



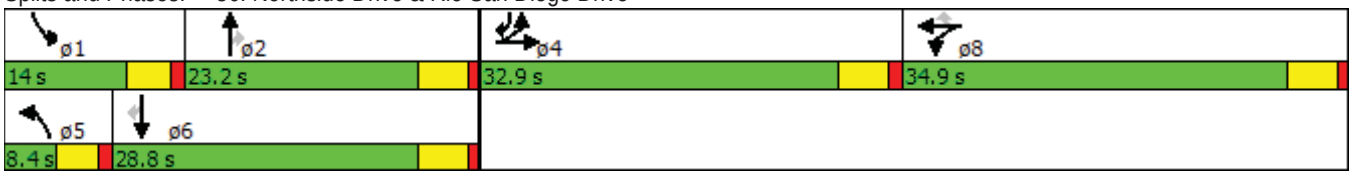
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	492	19	8	11	23	122	4	193	15	130	223	313
Confl. Peds. (#/hr)	39		4	4		39	1		3	3		1
Confl. Bikes (#/hr)												
Peak Hour Factor	0.93	0.93	0.93	0.78	0.78	0.78	0.85	0.85	0.85	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	529	20	9	14	29	156	5	227	18	140	240	337
Shared Lane Traffic (%)	47%											
Lane Group Flow (vph)	280	278	0	0	43	156	5	227	18	140	240	337

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	492	19	23	122	4	193	15	130	223	313
Turn Type	Split	NA	NA	Perm	Prot	NA	Perm	Prot	NA	pm+ov
Protected Phases	4	4	8		5	2		1	6	4
Permitted Phases				8			2			6
Detector Phase	4	4	8	8	5	2	2	1	6	4
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0	4.0
Minimum Split (s)	32.9	32.9	34.9	34.9	8.4	22.9	22.9	8.4	26.9	32.9
Total Split (s)	32.9	32.9	34.9	34.9	8.4	23.2	23.2	14.0	28.8	32.9
Total Split (%)	31.3%	31.3%	33.2%	33.2%	8.0%	22.1%	22.1%	13.3%	27.4%	31.3%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.4	3.9	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.9	4.4	4.9	4.9	4.4	4.9	4.9
Lead/Lag					Lead	Lag	Lag	Lead	Lag	
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes	
Recall Mode	None	None	None	None	None	Min	Min	None	Min	None
Act Effct Green (s)	18.2	18.2	17.6	17.6	4.4	10.9	10.9	10.0	24.5	42.7
Actuated g/C Ratio	0.23	0.23	0.23	0.23	0.06	0.14	0.14	0.13	0.31	0.55
v/c Ratio	0.71	0.70	0.10	0.34	0.05	0.46	0.05	0.62	0.41	0.33
Control Delay	41.0	40.3	25.0	6.5	47.2	38.1	0.3	53.2	30.0	2.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	41.0	40.3	25.0	6.5	47.2	38.1	0.3	53.2	30.0	2.3
LOS	D	D	C	A	D	D	A	D	C	A
Approach Delay		40.6	10.5			35.5			21.5	
Approach LOS		D	B			D			C	

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 77.9	
Natural Cycle: 105	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.71	
Intersection Signal Delay: 28.5	Intersection LOS: C
Intersection Capacity Utilization 55.4%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 36: Northside Drive & Rio San Diego Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	492	19	8	11	23	122	4	193	15	130	223	313
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	552	0	0	14	29	0	5	227	0	140	240	74
Adj No. of Lanes	2	1	0	0	1	1	1	2	1	1	1	1
Peak Hour Factor	0.93	0.93	0.93	0.78	0.78	0.78	0.85	0.85	0.85	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	937	492	0	99	204	262	9	542	243	178	463	810
Arrive On Green	0.26	0.00	0.00	0.17	0.17	0.00	0.01	0.15	0.00	0.10	0.25	0.25
Sat Flow, veh/h	3548	1863	0	597	1236	1583	1774	3539	1583	1774	1863	1578
Grp Volume(v), veh/h	552	0	0	43	0	0	5	227	0	140	240	74
Grp Sat Flow(s),veh/h/ln	1774	1863	0	1833	0	1583	1774	1770	1583	1774	1863	1578
Q Serve(g_s), s	8.2	0.0	0.0	1.2	0.0	0.0	0.2	3.5	0.0	4.6	6.7	1.4
Cycle Q Clear(g_c), s	8.2	0.0	0.0	1.2	0.0	0.0	0.2	3.5	0.0	4.6	6.7	1.4
Prop In Lane	1.00		0.00	0.33		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	937	492	0	303	0	262	9	542	243	178	463	810
V/C Ratio(X)	0.59	0.00	0.00	0.14	0.00	0.00	0.53	0.42	0.00	0.79	0.52	0.09
Avail Cap(c_a), veh/h	1648	865	0	912	0	788	118	1074	481	282	738	1044
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.3	0.0	0.0	21.5	0.0	0.0	29.9	23.1	0.0	26.5	19.6	7.5
Incr Delay (d2), s/veh	0.2	0.0	0.0	0.1	0.0	0.0	15.9	0.2	0.0	2.9	2.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.0	0.0	0.0	0.6	0.0	0.0	0.1	1.7	0.0	2.4	3.7	1.0
LnGrp Delay(d),s/veh	19.6	0.0	0.0	21.6	0.0	0.0	45.9	23.3	0.0	29.4	21.9	7.6
LnGrp LOS	B			C			D	C		C	C	A
Approach Vol, veh/h		552			43			232			454	
Approach Delay, s/veh		19.6			21.6			23.8			21.9	
Approach LOS		B			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.5	14.1		20.8	4.7	19.9		14.9
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	9.6	18.3		28.0	4.0	23.9		30.0
Max Q Clear Time (g_c+I1), s	6.6	5.5		10.2	2.2	8.7		3.2
Green Ext Time (p_c), s	0.1	3.6		1.0	0.0	3.9		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	21.2
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	230		0	0		200	200		200	240		0
Storage Lanes	1		1	0		1	2		1	1		0
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	1.00	1.00	0.97	0.95	1.00	1.00	0.91	0.91
Ped Bike Factor			0.97		0.99		0.99		0.96	1.00	1.00	
Frt			0.850			0.850			0.850		0.994	
Flt Protected	0.950	0.962			0.969		0.950			0.950		
Satd. Flow (prot)	1681	1702	1583	0	1805	1583	3433	3539	1583	1770	5049	0
Flt Permitted	0.950	0.962			0.969		0.950			0.950		
Satd. Flow (perm)	1681	1702	1540	0	1789	1583	3404	3539	1526	1762	5049	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			375			112			98		6	
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		471			685			996			1038	
Travel Time (s)		12.8			18.7			17.0			17.7	

Intersection Summary	
Area Type:	Other



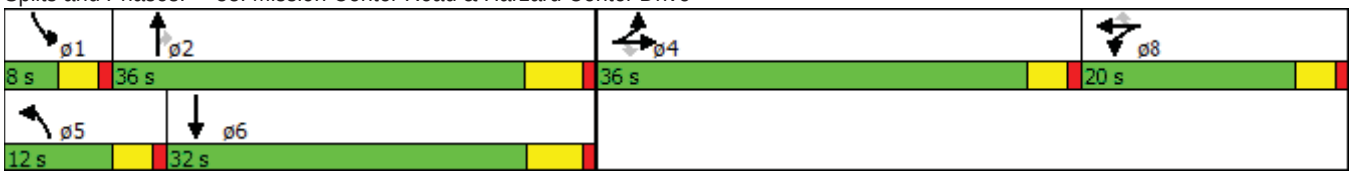
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	74	9	326	24	13	10	286	709	47	63	732	29
Confl. Peds. (#/hr)			16	16			13		6	6		13
Confl. Bikes (#/hr)			1						2			1
Peak Hour Factor	0.87	0.87	0.87	0.78	0.78	0.78	0.83	0.83	0.83	0.97	0.97	0.97
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	85	10	375	31	17	13	345	854	57	65	755	30
Shared Lane Traffic (%)	44%											
Lane Group Flow (vph)	48	47	375	0	48	13	345	854	57	65	785	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations										
Volume (vph)	74	9	326	13	10	286	709	47	63	732
Turn Type	Split	NA	Perm	NA	Perm	Prot	NA	Perm	Prot	NA
Protected Phases	4	4		8		5	2		1	6
Permitted Phases			4		8			2		
Detector Phase	4	4	4	8	8	5	2	2	1	6
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0
Minimum Split (s)	36.0	36.0	36.0	20.0	20.0	8.0	26.3	26.3	8.0	31.2
Total Split (s)	36.0	36.0	36.0	20.0	20.0	12.0	36.0	36.0	8.0	32.0
Total Split (%)	36.0%	36.0%	36.0%	20.0%	20.0%	12.0%	36.0%	36.0%	8.0%	32.0%
Yellow Time (s)	3.0	3.0	3.0	3.0	3.0	3.0	4.3	4.3	3.0	4.2
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	5.3	5.3	4.0	5.2
Lead/Lag						Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?						Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min
Act Effct Green (s)	11.4	11.4	11.4	6.8	6.8	8.9	22.6	22.6	4.5	18.3
Actuated g/C Ratio	0.19	0.19	0.19	0.11	0.11	0.15	0.38	0.38	0.08	0.31
v/c Ratio	0.15	0.14	0.63	0.23	0.05	0.67	0.63	0.09	0.49	0.50
Control Delay	23.6	23.5	8.1	34.0	0.3	37.7	19.5	1.7	49.5	19.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	23.6	23.5	8.1	34.0	0.3	37.7	19.5	1.7	49.5	19.3
LOS	C	C	A	C	A	D	B	A	D	B
Approach Delay		11.2		26.8			23.7			21.7
Approach LOS		B		C			C			C

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 59.3	
Natural Cycle: 100	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.67	
Intersection Signal Delay: 20.9	Intersection LOS: C
Intersection Capacity Utilization 55.4%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 38: Mission Center Road & Harzard Center Drive





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	74	9	326	24	13	10	286	709	47	63	732	29
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	92	0	82	31	17	0	345	854	0	65	755	25
Adj No. of Lanes	2	0	1	0	1	1	2	2	1	1	3	0
Peak Hour Factor	0.87	0.87	0.87	0.78	0.78	0.78	0.83	0.83	0.83	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	524	0	223	43	24	59	450	1681	752	82	1971	65
Arrive On Green	0.15	0.00	0.15	0.04	0.04	0.00	0.13	0.48	0.00	0.05	0.39	0.39
Sat Flow, veh/h	3548	0	1512	1165	639	1583	3442	3539	1583	1774	5052	167
Grp Volume(v), veh/h	92	0	82	48	0	0	345	854	0	65	506	274
Grp Sat Flow(s),veh/h/ln	1774	0	1512	1804	0	1583	1721	1770	1583	1774	1695	1829
Q Serve(g_s), s	1.3	0.0	2.9	1.5	0.0	0.0	5.7	9.8	0.0	2.1	6.3	6.3
Cycle Q Clear(g_c), s	1.3	0.0	2.9	1.5	0.0	0.0	5.7	9.8	0.0	2.1	6.3	6.3
Prop In Lane	1.00		1.00	0.65		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	524	0	223	67	0	59	450	1681	752	82	1323	713
V/C Ratio(X)	0.18	0.00	0.37	0.72	0.00	0.00	0.77	0.51	0.00	0.80	0.38	0.38
Avail Cap(c_a), veh/h	1932	0	823	491	0	431	469	1849	827	121	1546	834
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.9	0.0	22.6	28.0	0.0	0.0	24.7	10.7	0.0	27.8	12.8	12.9
Incr Delay (d2), s/veh	0.2	0.0	1.3	5.3	0.0	0.0	6.4	0.5	0.0	11.6	0.3	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.0	1.3	0.9	0.0	0.0	3.1	4.9	0.0	1.3	3.0	3.3
LnGrp Delay(d),s/veh	22.1	0.0	23.9	33.3	0.0	0.0	31.0	11.1	0.0	39.3	13.2	13.5
LnGrp LOS	C		C	C			C	B		D	B	B
Approach Vol, veh/h		174			48			1199			845	
Approach Delay, s/veh		22.9			33.3			16.9			15.3	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.7	33.2		12.7	11.7	28.2		6.2
Change Period (Y+Rc), s	4.0	5.3		4.0	4.0	* 5.3		4.0
Max Green Setting (Gmax), s	4.0	30.7		32.0	8.0	* 27		16.0
Max Q Clear Time (g_c+I1), s	4.1	11.8		4.9	7.7	8.3		3.5
Green Ext Time (p_c), s	0.0	14.5		0.8	0.0	14.3		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	17.1
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	130			220	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99			0.97		0.92
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1758	1863	1863	1531	1770	1457
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				405		75
Link Speed (mph)		30	30		30	
Link Distance (ft)		834	642		429	
Travel Time (s)		19.0	14.6		9.8	

Intersection Summary	
Area Type:	Other



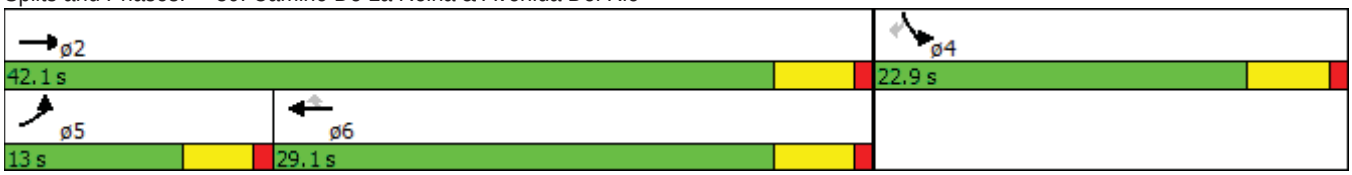
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	89	272	229	356	226	65
Confl. Peds. (#/hr)	7			7		30
Confl. Bikes (#/hr)				4		
Peak Hour Factor	0.88	0.88	0.88	0.88	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	101	309	260	405	260	75
Shared Lane Traffic (%)						
Lane Group Flow (vph)	101	309	260	405	260	75

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	89	272	229	356	226	65
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	7.0	7.0	7.0	4.0	4.0
Minimum Split (s)	8.4	20.9	28.9	28.9	22.9	22.9
Total Split (s)	13.0	42.1	29.1	29.1	22.9	22.9
Total Split (%)	20.0%	64.8%	44.8%	44.8%	35.2%	35.2%
Yellow Time (s)	3.4	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	7.1	21.8	15.5	15.5	11.4	11.4
Actuated g/C Ratio	0.16	0.50	0.35	0.35	0.26	0.26
v/c Ratio	0.35	0.34	0.40	0.51	0.57	0.17
Control Delay	24.2	7.8	15.5	4.4	21.4	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	24.2	7.8	15.5	4.4	21.4	6.2
LOS	C	A	B	A	C	A
Approach Delay		11.9	8.7		18.0	
Approach LOS		B	A		B	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 44	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.57	
Intersection Signal Delay: 11.8	Intersection LOS: B
Intersection Capacity Utilization 43.5%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 39: Camino De La Reina & Avenida Del Rio





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	89	272	229	356	226	65
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.96	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	101	309	260	115	260	12
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.88	0.88	0.88	0.88	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	133	914	509	417	342	305
Arrive On Green	0.07	0.49	0.27	0.27	0.19	0.19
Sat Flow, veh/h	1774	1863	1863	1523	1774	1583
Grp Volume(v), veh/h	101	309	260	115	260	12
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1523	1774	1583
Q Serve(g_s), s	1.7	3.1	3.6	1.8	4.3	0.2
Cycle Q Clear(g_c), s	1.7	3.1	3.6	1.8	4.3	0.2
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	133	914	509	417	342	305
V/C Ratio(X)	0.76	0.34	0.51	0.28	0.76	0.04
Avail Cap(c_a), veh/h	493	2238	1456	1191	1031	921
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.0	4.8	9.5	8.8	11.8	10.2
Incr Delay (d2), s/veh	3.3	0.1	0.3	0.1	1.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	1.6	1.8	0.8	2.2	0.2
LnGrp Delay(d),s/veh	17.4	4.9	9.8	9.0	13.1	10.2
LnGrp LOS	B	A	A	A	B	B
Approach Vol, veh/h		410	375		272	
Approach Delay, s/veh		8.0	9.5		13.0	
Approach LOS		A	A		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		20.1		10.9	6.7	13.4		
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9		
Max Green Setting (Gmax), s		37.2		18.0	8.6	24.2		
Max Q Clear Time (g_c+I1), s		5.1		6.3	3.7	5.6		
Green Ext Time (p_c), s		2.5		0.3	0.0	2.3		

Intersection Summary	
HCM 2010 Ctrl Delay	9.8
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	290		0	140		0	160		0	320		0
Storage Lanes	2		0	2		0	2		0	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.95	0.95	0.97	0.95	0.95	0.97	0.91	0.91	0.97	0.91	1.00
Ped Bike Factor	0.99	0.99		0.99	0.99		1.00	0.99		0.99		0.97
Frt		0.943			0.922			0.952				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	3305	0	3433	3222	0	3433	4804	0	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3411	3305	0	3413	3222	0	3421	4804	0	3408	5085	1540
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		111			182			74				218
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		2210			1926			473			996	
Travel Time (s)		50.2			43.8			8.1			17.0	

Intersection Summary	
Area Type:	Other



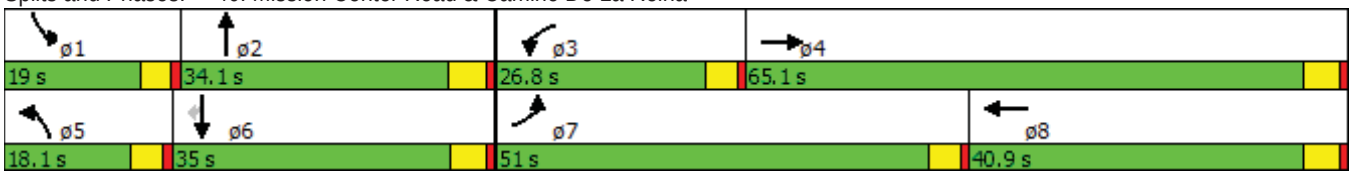
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	255	348	214	327	289	316	181	487	230	374	514	194
Confl. Peds. (#/hr)	8		10	10		8	3		8	8		3
Confl. Bikes (#/hr)			1			3						
Peak Hour Factor	0.93	0.93	0.93	0.91	0.91	0.91	0.96	0.96	0.96	0.89	0.89	0.89
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	274	374	230	359	318	347	189	507	240	420	578	218
Shared Lane Traffic (%)												
Lane Group Flow (vph)	274	604	0	359	665	0	189	747	0	420	578	218

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Configurations									
Volume (vph)	255	348	327	289	181	487	374	514	194
Turn Type	Prot	NA	Prot	NA	Prot	NA	Prot	NA	Perm
Protected Phases	7	4	3	8	5	2	1	6	
Permitted Phases									6
Detector Phase	7	4	3	8	5	2	1	6	6
Switch Phase									
Minimum Initial (s)	4.0	7.0	4.0	7.0	4.0	10.0	4.0	10.0	10.0
Minimum Split (s)	51.0	37.9	8.4	40.9	8.4	33.2	8.4	33.0	33.0
Total Split (s)	51.0	65.1	26.8	40.9	18.1	34.1	19.0	35.0	35.0
Total Split (%)	35.2%	44.9%	18.5%	28.2%	12.5%	23.5%	13.1%	24.1%	24.1%
Yellow Time (s)	3.4	3.9	3.4	3.9	3.4	4.2	3.4	4.0	4.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.4	4.9	4.4	5.2	4.4	5.0	5.0
Lead/Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Min	None	Min	Min
Act Effct Green (s)	12.4	21.3	14.5	23.4	9.9	20.4	15.0	25.6	25.6
Actuated g/C Ratio	0.14	0.24	0.16	0.26	0.11	0.23	0.17	0.28	0.28
v/c Ratio	0.58	0.70	0.65	0.69	0.50	0.66	0.74	0.40	0.37
Control Delay	43.7	30.8	43.1	25.9	45.3	32.5	47.5	29.0	6.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	43.7	30.8	43.1	25.9	45.3	32.5	47.5	29.0	6.4
LOS	D	C	D	C	D	C	D	C	A
Approach Delay		34.9		31.9		35.0		31.4	
Approach LOS		C		C		D		C	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 90.5	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.74	
Intersection Signal Delay: 33.1	Intersection LOS: C
Intersection Capacity Utilization 72.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 40: Mission Center Road & Camino De La Reina



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	255	348	214	327	289	316	181	487	230	374	514	194
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	274	374	160	359	318	199	189	507	178	420	578	21
Adj No. of Lanes	2	2	0	2	2	0	2	3	0	2	3	1
Peak Hour Factor	0.93	0.93	0.93	0.91	0.91	0.91	0.96	0.96	0.96	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	356	694	292	440	654	399	260	929	315	486	1595	490
Arrive On Green	0.10	0.29	0.29	0.13	0.31	0.31	0.08	0.25	0.25	0.14	0.31	0.31
Sat Flow, veh/h	3442	2411	1014	3442	2094	1277	3442	3743	1271	3442	5085	1563
Grp Volume(v), veh/h	274	273	261	359	267	250	189	458	227	420	578	21
Grp Sat Flow(s),veh/h/ln	1721	1770	1656	1721	1770	1601	1721	1695	1624	1721	1695	1563
Q Serve(g_s), s	7.5	12.6	12.9	9.8	11.9	12.3	5.2	11.4	11.9	11.6	8.5	0.9
Cycle Q Clear(g_c), s	7.5	12.6	12.9	9.8	11.9	12.3	5.2	11.4	11.9	11.6	8.5	0.9
Prop In Lane	1.00		0.61	1.00		0.80	1.00		0.78	1.00		1.00
Lane Grp Cap(c), veh/h	356	509	477	440	552	500	260	841	403	486	1595	490
V/C Ratio(X)	0.77	0.54	0.55	0.82	0.48	0.50	0.73	0.54	0.56	0.86	0.36	0.04
Avail Cap(c_a), veh/h	1655	1099	1029	796	657	595	487	1011	484	519	1595	490
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.3	29.1	29.2	41.1	27.0	27.2	43.8	31.7	31.8	40.7	25.7	23.1
Incr Delay (d2), s/veh	1.3	0.9	1.0	1.4	1.3	1.5	1.5	1.0	2.2	12.7	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.6	6.3	6.0	4.8	6.0	5.6	2.5	5.5	5.6	6.3	4.1	0.4
LnGrp Delay(d),s/veh	43.7	30.0	30.2	42.6	28.3	28.7	45.3	32.6	34.1	53.4	26.0	23.2
LnGrp LOS	D	C	C	D	C	C	D	C	C	D	C	C
Approach Vol, veh/h		808			876			874			1019	
Approach Delay, s/veh		34.7			34.2			35.7			37.2	
Approach LOS		C			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.1	29.2	16.8	32.8	11.7	35.6	14.4	35.2
Change Period (Y+Rc), s	4.4	5.2	4.4	4.9	4.4	* 5.2	4.4	4.9
Max Green Setting (Gmax), s	14.6	28.9	22.4	60.2	13.7	* 30	46.6	36.0
Max Q Clear Time (g_c+I1), s	13.6	13.9	11.8	14.9	7.2	10.5	9.5	14.3
Green Ext Time (p_c), s	0.1	9.8	0.5	12.2	0.2	12.2	0.5	9.3

Intersection Summary	
HCM 2010 Ctrl Delay	35.6
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	120		200	260		200	160		200	160		200
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor	1.00		0.98	1.00		0.97	0.99		0.98	0.99		0.97
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	3539	1583	1770	3539	1583
Flt Permitted	0.950			0.950			0.620			0.696		
Satd. Flow (perm)	1761	3539	1551	1764	3539	1538	1143	3539	1545	1282	3539	1541
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			226			81			83			236
Link Speed (mph)		30			30			25			25	
Link Distance (ft)		1318			1328			752			1348	
Travel Time (s)		30.0			30.2			20.5			36.8	

Intersection Summary	
Area Type:	Other



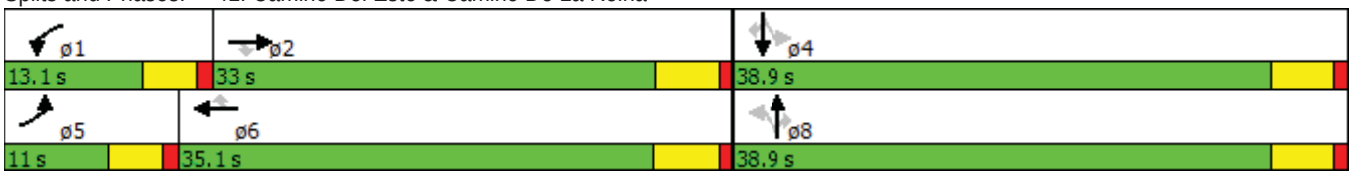
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	164	505	201	161	409	12	126	84	76	64	185	208
Confl. Peds. (#/hr)	6		7	7		6	19		16	16		19
Confl. Bikes (#/hr)			3									2
Peak Hour Factor	0.89	0.89	0.89	0.94	0.94	0.94	0.94	0.94	0.94	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	184	567	226	171	435	13	134	89	81	73	210	236
Shared Lane Traffic (%)												
Lane Group Flow (vph)	184	567	226	171	435	13	134	89	81	73	210	236

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	164	505	201	161	409	12	126	84	76	64	185	208
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Perm	NA	Perm	Perm	NA	Perm
Protected Phases	5	2		1	6			8			4	
Permitted Phases			2			6	8		8	4		4
Detector Phase	5	2	2	1	6	6	8	8	8	4	4	4
Switch Phase												
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	33.0	33.0	8.4	35.1	35.1	36.9	36.9	36.9	38.9	38.9	38.9
Total Split (s)	11.0	33.0	33.0	13.1	35.1	35.1	38.9	38.9	38.9	38.9	38.9	38.9
Total Split (%)	12.9%	38.8%	38.8%	15.4%	41.3%	41.3%	45.8%	45.8%	45.8%	45.8%	45.8%	45.8%
Yellow Time (s)	3.4	4.0	4.0	3.4	4.1	4.1	3.9	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.0	5.0	4.4	5.1	5.1	4.9	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag						
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes						
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	None	None	None
Act Effct Green (s)	7.1	15.7	15.7	9.4	17.8	17.8	13.0	13.0	13.0	13.0	13.0	13.0
Actuated g/C Ratio	0.13	0.29	0.29	0.18	0.33	0.33	0.24	0.24	0.24	0.24	0.24	0.24
v/c Ratio	0.78	0.55	0.37	0.55	0.37	0.02	0.48	0.10	0.18	0.23	0.24	0.43
Control Delay	54.5	18.8	4.9	35.0	15.5	0.1	23.7	15.8	5.4	18.2	16.7	5.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	54.5	18.8	4.9	35.0	15.5	0.1	23.7	15.8	5.4	18.2	16.7	5.3
LOS	D	B	A	D	B	A	C	B	A	B	B	A
Approach Delay		22.3			20.6			16.5			11.8	
Approach LOS		C			C			B			B	

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 53.5	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 18.9	Intersection LOS: B
Intersection Capacity Utilization 63.8%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 41: Camino Del Este & Camino De La Reina



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	164	505	201	161	409	12	126	84	76	64	185	208
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	0.99		0.98	0.99		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	184	567	57	171	435	0	134	89	28	73	210	77
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.89	0.89	0.89	0.94	0.94	0.94	0.94	0.94	0.94	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	209	1078	472	215	1088	487	423	1121	492	503	1121	486
Arrive On Green	0.12	0.30	0.30	0.12	0.31	0.00	0.32	0.32	0.32	0.32	0.32	0.32
Sat Flow, veh/h	1774	3539	1550	1774	3539	1583	1075	3539	1555	1251	3539	1534
Grp Volume(v), veh/h	184	567	57	171	435	0	134	89	28	73	210	77
Grp Sat Flow(s),veh/h/ln	1774	1770	1550	1774	1770	1583	1075	1770	1555	1251	1770	1534
Q Serve(g_s), s	5.7	7.4	1.5	5.2	5.4	0.0	5.8	1.0	0.7	2.4	2.4	2.0
Cycle Q Clear(g_c), s	5.7	7.4	1.5	5.2	5.4	0.0	8.2	1.0	0.7	3.4	2.4	2.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	209	1078	472	215	1088	487	423	1121	492	503	1121	486
V/C Ratio(X)	0.88	0.53	0.12	0.80	0.40	0.00	0.32	0.08	0.06	0.15	0.19	0.16
Avail Cap(c_a), veh/h	209	1773	777	276	1900	850	737	2153	946	868	2153	933
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.2	16.1	14.0	23.9	15.3	0.0	16.8	13.4	13.3	14.6	13.9	13.7
Incr Delay (d2), s/veh	30.8	0.4	0.1	9.0	0.2	0.0	0.3	0.0	0.0	0.1	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.6	3.7	0.6	3.1	2.7	0.0	1.7	0.5	0.3	0.8	1.2	0.9
LnGrp Delay(d),s/veh	55.0	16.5	14.1	32.8	15.5	0.0	17.1	13.4	13.3	14.7	13.9	13.8
LnGrp LOS	E	B	B	C	B		B	B	B	B	B	B
Approach Vol, veh/h		808			606			251			360	
Approach Delay, s/veh		25.1			20.4			15.4			14.1	
Approach LOS		C			C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	11.2	22.1		22.6	11.0	22.3		22.6
Change Period (Y+Rc), s	4.4	* 5.1		4.9	4.4	5.1		4.9
Max Green Setting (Gmax), s	8.7	* 28		34.0	6.6	30.0		34.0
Max Q Clear Time (g_c+I1), s	7.2	9.4		5.4	7.7	7.4		10.2
Green Ext Time (p_c), s	0.0	7.0		2.6	0.0	7.6		2.5

Intersection Summary	
HCM 2010 Ctrl Delay	20.5
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		0	250		200	0		200	250		200
Storage Lanes	1		0	2		1	2		1	2		1
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	1.00	0.95	0.95	0.97	0.95	1.00	0.97	0.91	1.00	0.97	0.91	1.00
Ped Bike Factor	0.99	0.99				0.98	1.00		0.99	1.00		0.99
Frt		0.918				0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3225	0	3433	3539	1583	3433	5085	1583	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1759	3225	0	3433	3539	1550	3431	5085	1560	3430	5085	1562
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		199				144			132			153
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		1328			1080			469			1368	
Travel Time (s)		30.2			24.5			7.1			20.7	

Intersection Summary

Area Type: Other



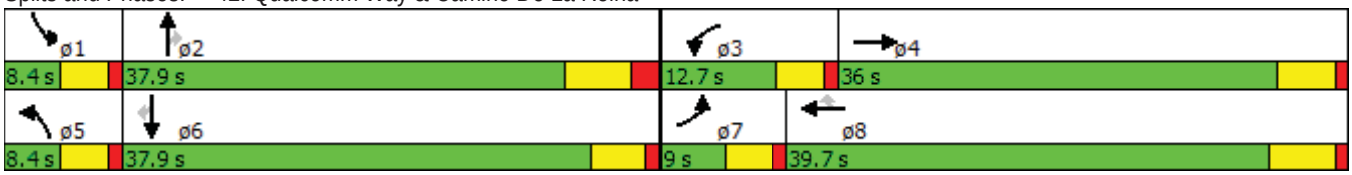
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	169	237	287	126	214	130	186	763	128	91	611	147
Confl. Peds. (#/hr)	10					10	1		2	2		1
Confl. Bikes (#/hr)			2			1			1			1
Peak Hour Factor	0.91	0.91	0.91	0.89	0.89	0.89	0.97	0.97	0.97	0.96	0.96	0.96
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	186	260	315	142	240	146	192	787	132	95	636	153
Shared Lane Traffic (%)												
Lane Group Flow (vph)	186	575	0	142	240	146	192	787	132	95	636	153

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	169	237	126	214	130	186	763	128	91	611	147
Turn Type	Prot	NA	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4	3	8		5	2		1	6	
Permitted Phases					8			2			6
Detector Phase	7	4	3	8	8	5	2	2	1	6	6
Switch Phase											
Minimum Initial (s)	4.0	7.0	4.0	7.0	7.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	23.1	8.4	39.7	39.7	8.4	37.7	37.7	8.4	36.9	36.9
Total Split (s)	9.0	36.0	12.7	39.7	39.7	8.4	37.9	37.9	8.4	37.9	37.9
Total Split (%)	9.5%	37.9%	13.4%	41.8%	41.8%	8.8%	39.9%	39.9%	8.8%	39.9%	39.9%
Yellow Time (s)	3.4	4.1	3.4	4.7	4.7	3.4	4.7	4.7	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.1	4.4	5.7	5.7	4.4	6.7	6.7	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	4.8	15.1	7.0	14.2	14.2	4.2	18.3	18.3	4.2	18.0	18.0
Actuated g/C Ratio	0.08	0.25	0.11	0.23	0.23	0.07	0.30	0.30	0.07	0.29	0.29
v/c Ratio	1.35	0.61	0.36	0.29	0.31	0.82	0.52	0.24	0.41	0.43	0.27
Control Delay	229.1	17.9	31.1	20.9	6.6	62.5	20.1	5.1	37.8	18.4	4.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	229.1	17.9	31.1	20.9	6.6	62.5	20.1	5.1	37.8	18.4	4.7
LOS	F	B	C	C	A	E	C	A	D	B	A
Approach Delay		69.5		19.7			25.7			18.1	
Approach LOS		E		B			C			B	

Intersection Summary	
Cycle Length: 95	
Actuated Cycle Length: 61.2	
Natural Cycle: 95	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.35	
Intersection Signal Delay: 32.8	Intersection LOS: C
Intersection Capacity Utilization 58.1%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 42: Qualcomm Way & Camino De La Reina





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	169	237	287	126	214	130	186	763	128	91	611	147
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	186	260	167	142	240	45	192	787	39	95	636	49
Adj No. of Lanes	1	2	0	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.91	0.91	0.91	0.89	0.89	0.89	0.97	0.97	0.97	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	124	434	268	228	727	316	209	1795	551	172	1741	534
Arrive On Green	0.07	0.21	0.21	0.07	0.21	0.21	0.06	0.35	0.35	0.05	0.34	0.34
Sat Flow, veh/h	1774	2079	1283	3442	3539	1540	3442	5085	1561	3442	5085	1561
Grp Volume(v), veh/h	186	220	207	142	240	45	192	787	39	95	636	49
Grp Sat Flow(s),veh/h/ln	1774	1770	1593	1721	1770	1540	1721	1695	1561	1721	1695	1561
Q Serve(g_s), s	4.6	7.4	7.8	2.6	3.8	1.6	3.7	7.8	1.1	1.8	6.2	1.4
Cycle Q Clear(g_c), s	4.6	7.4	7.8	2.6	3.8	1.6	3.7	7.8	1.1	1.8	6.2	1.4
Prop In Lane	1.00		0.81	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	124	370	333	228	727	316	209	1795	551	172	1741	534
V/C Ratio(X)	1.50	0.59	0.62	0.62	0.33	0.14	0.92	0.44	0.07	0.55	0.37	0.09
Avail Cap(c_a), veh/h	124	830	747	434	1826	795	209	2408	739	209	2547	782
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.6	23.5	23.7	30.0	22.3	21.4	30.8	16.3	14.1	30.6	16.3	14.7
Incr Delay (d2), s/veh	263.1	1.1	1.4	1.0	0.1	0.1	39.8	0.2	0.0	1.0	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.3	3.7	3.5	1.3	1.9	0.7	2.9	3.7	0.5	0.9	2.9	0.6
LnGrp Delay(d),s/veh	293.7	24.7	25.1	31.0	22.4	21.5	70.5	16.5	14.2	31.6	16.6	14.9
LnGrp LOS	F	C	C	C	C	C	E	B	B	C	B	B
Approach Vol, veh/h		613			427			1018			780	
Approach Delay, s/veh		106.5			25.2			26.6			18.3	
Approach LOS		F			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.7	30.0	8.8	19.5	8.4	29.3	9.0	19.2
Change Period (Y+Rc), s	4.4	6.7	4.4	* 5.7	4.4	* 6.7	4.4	5.7
Max Green Setting (Gmax), s	4.0	31.2	8.3	* 31	4.0	* 33	4.6	34.0
Max Q Clear Time (g_c+I1), s	3.8	9.8	4.6	9.8	5.7	8.2	6.6	5.8
Green Ext Time (p_c), s	0.0	12.8	0.1	3.3	0.0	14.0	0.0	3.5

Intersection Summary	
HCM 2010 Ctrl Delay	41.4
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	0			150	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	0				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.98			0.96		
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1742	1863	1863	1518	1770	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				152		168
Link Speed (mph)		35	35		25	
Link Distance (ft)		890	756		1554	
Travel Time (s)		17.3	14.7		42.4	

Intersection Summary	
Area Type:	Other



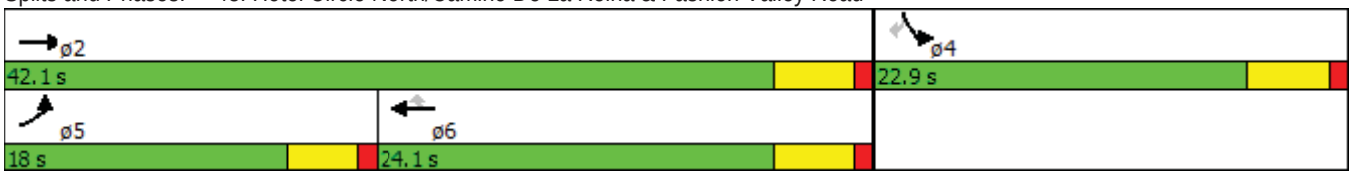
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	322	335	193	146	132	143
Confl. Peds. (#/hr)	12			12		
Confl. Bikes (#/hr)				1		
Peak Hour Factor	0.92	0.92	0.96	0.96	0.85	0.85
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	350	364	201	152	155	168
Shared Lane Traffic (%)						
Lane Group Flow (vph)	350	364	201	152	155	168

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	322	335	193	146	132	143
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	20.9	23.9	23.9	22.9	22.9
Total Split (s)	18.0	42.1	24.1	24.1	22.9	22.9
Total Split (%)	27.7%	64.8%	37.1%	37.1%	35.2%	35.2%
Yellow Time (s)	3.4	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	13.4	29.7	11.8	11.8	8.7	8.7
Actuated g/C Ratio	0.28	0.61	0.24	0.24	0.18	0.18
v/c Ratio	0.71	0.32	0.44	0.31	0.49	0.40
Control Delay	29.2	5.7	19.3	5.4	24.5	7.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.2	5.7	19.3	5.4	24.5	7.2
LOS	C	A	B	A	C	A
Approach Delay		17.2	13.3		15.5	
Approach LOS		B	B		B	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 48.4	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.71	
Intersection Signal Delay: 15.8	Intersection LOS: B
Intersection Capacity Utilization 49.0%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 48: Hotel Circle North/Camino De La Reina & Fashion Valley Road





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	322	335	193	146	132	143
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.96	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	350	364	201	43	155	27
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.92	0.92	0.96	0.96	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	426	1151	485	394	216	192
Arrive On Green	0.24	0.62	0.26	0.26	0.12	0.12
Sat Flow, veh/h	1774	1863	1863	1514	1774	1583
Grp Volume(v), veh/h	350	364	201	43	155	27
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1514	1774	1583
Q Serve(g_s), s	7.0	3.5	3.4	0.8	3.2	0.6
Cycle Q Clear(g_c), s	7.0	3.5	3.4	0.8	3.2	0.6
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	426	1151	485	394	216	192
V/C Ratio(X)	0.82	0.32	0.41	0.11	0.72	0.14
Avail Cap(c_a), veh/h	642	1843	951	773	849	758
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.5	3.4	11.5	10.6	15.9	14.8
Incr Delay (d2), s/veh	3.0	0.1	0.8	0.2	1.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	1.8	1.8	0.4	1.7	0.5
LnGrp Delay(d),s/veh	16.6	3.6	12.3	10.7	17.6	14.9
LnGrp LOS	B	A	B	B	B	B
Approach Vol, veh/h		714	244		182	
Approach Delay, s/veh		9.9	12.0		17.2	
Approach LOS		A	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		28.1		9.5	13.4	14.7		
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9		
Max Green Setting (Gmax), s		37.2		18.0	13.6	19.2		
Max Q Clear Time (g_c+I1), s		5.5		5.2	9.0	5.4		
Green Ext Time (p_c), s		4.1		0.2	0.3	3.2		

Intersection Summary	
HCM 2010 Ctrl Delay	11.5
HCM 2010 LOS	B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	70		70	160		0	190		190	150		0
Storage Lanes	1		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	0.97	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor	1.00		0.97	0.99		0.99	1.00		0.98	0.99		0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	3433	1863	1583	3433	3539	1583	3433	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1768	3539	1538	3393	1863	1562	3424	3539	1554	3411	3539	1552
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			194			369			378			199
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		730			461			758			473	
Travel Time (s)		19.9			12.6			12.9			8.1	

Intersection Summary	
Area Type:	Other



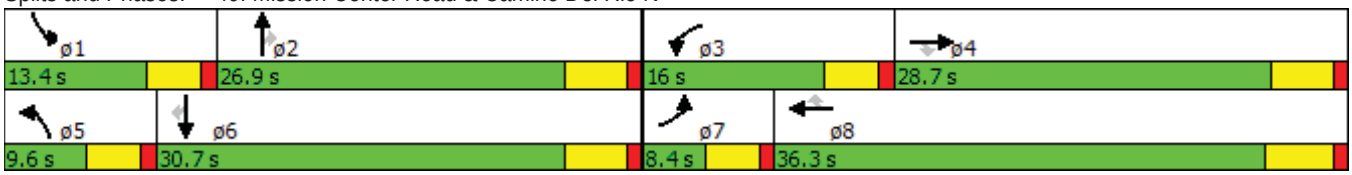
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	14	262	144	251	247	511	115	370	445	251	733	33
Confl. Peds. (#/hr)	2		5	5		2	4		4	4		4
Confl. Bikes (#/hr)									2			5
Peak Hour Factor	0.82	0.82	0.82	0.95	0.95	0.95	0.94	0.94	0.94	0.97	0.97	0.97
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	17	320	176	264	260	538	122	394	473	259	756	34
Shared Lane Traffic (%)												
Lane Group Flow (vph)	17	320	176	264	260	538	122	394	473	259	756	34

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	14	262	144	251	247	511	115	370	445	251	733	33
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.0	7.0	7.0	4.0	7.0	7.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	20.9	20.9	8.4	36.3	36.3	8.4	20.9	20.9	8.4	27.9	27.9
Total Split (s)	8.4	28.7	28.7	16.0	36.3	36.3	9.6	26.9	26.9	13.4	30.7	30.7
Total Split (%)	9.9%	33.8%	33.8%	18.8%	42.7%	42.7%	11.3%	31.6%	31.6%	15.8%	36.1%	36.1%
Yellow Time (s)	3.4	3.9	3.9	3.4	4.3	4.3	3.4	3.9	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.4	5.3	5.3	4.4	4.9	4.9	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	4.1	13.4	13.4	9.4	25.6	25.6	5.3	16.2	16.2	8.9	22.2	22.2
Actuated g/C Ratio	0.06	0.20	0.20	0.14	0.38	0.38	0.08	0.24	0.24	0.13	0.33	0.33
v/c Ratio	0.16	0.45	0.38	0.55	0.37	0.65	0.45	0.46	0.72	0.57	0.64	0.05
Control Delay	39.1	26.3	5.9	33.5	17.9	10.2	39.2	24.6	12.8	35.9	24.0	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	39.1	26.3	5.9	33.5	17.9	10.2	39.2	24.6	12.8	35.9	24.0	0.2
LOS	D	C	A	C	B	B	D	C	B	D	C	A
Approach Delay		19.7			17.9			20.8			26.2	
Approach LOS		B			B			C			C	

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 67.1	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.72	
Intersection Signal Delay: 21.3	Intersection LOS: C
Intersection Capacity Utilization 57.6%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 49: Mission Center Road & Camino Del Rio N



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	14	262	144	251	247	511	115	370	445	251	733	33
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	17	320	0	264	260	291	122	394	0	259	756	0
Adj No. of Lanes	1	2	1	2	1	1	2	2	1	2	2	1
Peak Hour Factor	0.82	0.82	0.82	0.95	0.95	0.95	0.94	0.94	0.94	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	29	628	281	380	505	427	204	1005	450	373	1179	527
Arrive On Green	0.02	0.18	0.00	0.11	0.27	0.27	0.06	0.28	0.00	0.11	0.33	0.00
Sat Flow, veh/h	1774	3539	1583	3442	1863	1575	3442	3539	1583	3442	3539	1583
Grp Volume(v), veh/h	17	320	0	264	260	291	122	394	0	259	756	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1863	1575	1721	1770	1583	1721	1770	1583
Q Serve(g_s), s	0.6	4.9	0.0	4.4	7.0	9.8	2.1	5.3	0.0	4.3	10.8	0.0
Cycle Q Clear(g_c), s	0.6	4.9	0.0	4.4	7.0	9.8	2.1	5.3	0.0	4.3	10.8	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	29	628	281	380	505	427	204	1005	450	373	1179	527
V/C Ratio(X)	0.58	0.51	0.00	0.70	0.51	0.68	0.60	0.39	0.00	0.69	0.64	0.00
Avail Cap(c_a), veh/h	119	1417	634	672	971	821	301	1310	586	521	1536	687
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	29.0	22.1	0.0	25.5	18.3	19.4	27.3	17.1	0.0	25.5	16.8	0.0
Incr Delay (d2), s/veh	6.6	0.6	0.0	0.9	0.3	0.7	1.0	0.1	0.0	2.3	1.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	2.4	0.0	2.1	3.7	4.3	1.0	2.6	0.0	2.2	5.4	0.0
LnGrp Delay(d),s/veh	35.7	22.7	0.0	26.3	18.6	20.1	28.3	17.2	0.0	27.9	17.8	0.0
LnGrp LOS	D	C		C	B	C	C	B		C	B	
Approach Vol, veh/h		337			815			516			1015	
Approach Delay, s/veh		23.4			21.6			19.9			20.3	
Approach LOS		C			C			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.8	21.8	11.0	15.9	7.9	24.7	5.4	21.4
Change Period (Y+Rc), s	4.4	4.9	4.4	* 5.3	4.4	4.9	4.4	5.3
Max Green Setting (Gmax), s	9.0	22.0	11.6	* 24	5.2	25.8	4.0	31.0
Max Q Clear Time (g_c+I1), s	6.3	7.3	6.4	6.9	4.1	12.8	2.6	11.8
Green Ext Time (p_c), s	0.2	7.5	0.2	3.5	0.0	6.9	0.0	3.7

Intersection Summary	
HCM 2010 Ctrl Delay	21.0
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	110		0	560		560	0		0
Storage Lanes	0		1	1		0	1		1	0		0
Taper Length (ft)	0			25			25			0		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850						0.850			
Flt Protected				0.950			0.950	0.972				
Satd. Flow (prot)	0	3539	1583	1770	3539	0	1681	1720	1583	0	0	0
Flt Permitted				0.950			0.950	0.972				
Satd. Flow (perm)	0	3539	1583	1770	3539	0	1681	1720	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			813						261			
Link Speed (mph)		25			25			30			30	
Link Distance (ft)		461			859			441			281	
Travel Time (s)		12.6			23.4			10.0			6.4	

Intersection Summary	
Area Type:	Other



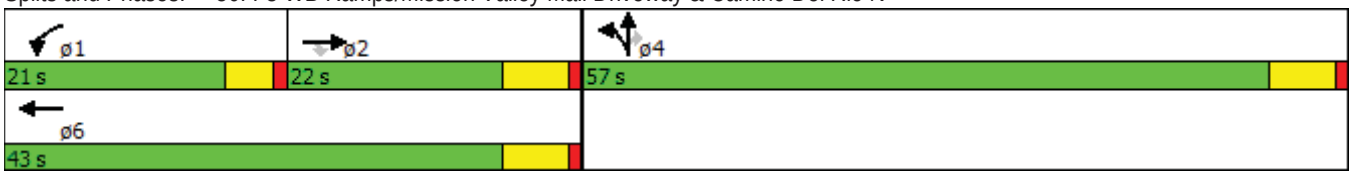
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	335	683	317	261	0	756	203	240	0	0	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.84	0.84	0.84	0.87	0.87	0.87	0.92	0.92	0.92	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	399	813	364	300	0	822	221	261	0	0	0
Shared Lane Traffic (%)							37%					
Lane Group Flow (vph)	0	399	813	364	300	0	518	525	261	0	0	0

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR
Lane Configurations							
Volume (vph)	335	683	317	261	756	203	240
Turn Type	NA	Perm	Prot	NA	Split	NA	Perm
Protected Phases	2		1	6	4	4	
Permitted Phases		2					4
Detector Phase	2	2	1	6	4	4	4
Switch Phase							
Minimum Initial (s)	12.0	12.0	5.0	10.0	8.0	8.0	8.0
Minimum Split (s)	22.0	22.0	9.7	22.0	57.0	57.0	57.0
Total Split (s)	22.0	22.0	21.0	43.0	57.0	57.0	57.0
Total Split (%)	22.0%	22.0%	21.0%	43.0%	57.0%	57.0%	57.0%
Yellow Time (s)	5.0	5.0	3.7	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	4.7	6.0	6.0	6.0	6.0
Lead/Lag	Lag	Lag	Lead				
Lead-Lag Optimize?	Yes	Yes	Yes				
Recall Mode	Max	Max	None	None	Min	Min	Min
Act Effct Green (s)	16.2	16.2	16.5	37.5	39.7	39.7	39.7
Actuated g/C Ratio	0.18	0.18	0.18	0.42	0.44	0.44	0.44
v/c Ratio	0.62	0.85	1.11	0.20	0.69	0.69	0.31
Control Delay	40.6	13.2	121.5	19.0	24.8	24.4	2.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	40.6	13.2	121.5	19.0	24.8	24.4	2.7
LOS	D	B	F	B	C	C	A
Approach Delay	22.2			75.2		20.2	
Approach LOS	C			E		C	

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 89.4	
Natural Cycle: 100	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.11	
Intersection Signal Delay: 32.5	Intersection LOS: C
Intersection Capacity Utilization 68.8%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 50: I-8 WB Ramps/Mission Valley Mall Driveway & Camino Del Rio N



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	335	683	317	261	0	756	203	240	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	399	0	364	300	0	522	642	0			
Adj No. of Lanes	0	2	1	1	2	0	1	1	1			
Peak Hour Factor	0.84	0.84	0.84	0.87	0.87	0.87	0.92	0.92	0.92			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	654	293	334	1513	0	770	808	687			
Arrive On Green	0.00	0.18	0.00	0.19	0.43	0.00	0.43	0.43	0.00			
Sat Flow, veh/h	0	3632	1583	1774	3632	0	1774	1863	1583			
Grp Volume(v), veh/h	0	399	0	364	300	0	522	642	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1774	1770	0	1774	1863	1583			
Q Serve(g_s), s	0.0	9.0	0.0	16.3	4.6	0.0	20.4	25.8	0.0			
Cycle Q Clear(g_c), s	0.0	9.0	0.0	16.3	4.6	0.0	20.4	25.8	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	654	293	334	1513	0	770	808	687			
V/C Ratio(X)	0.00	0.61	0.00	1.09	0.20	0.00	0.68	0.79	0.00			
Avail Cap(c_a), veh/h	0	654	293	334	1513	0	1045	1098	933			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
Uniform Delay (d), s/veh	0.0	32.4	0.0	35.1	15.5	0.0	19.7	21.2	0.0			
Incr Delay (d2), s/veh	0.0	4.2	0.0	75.3	0.1	0.0	1.5	3.5	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	4.8	0.0	14.9	2.3	0.0	10.3	14.0	0.0			
LnGrp Delay(d),s/veh	0.0	36.6	0.0	110.5	15.6	0.0	21.2	24.7	0.0			
LnGrp LOS		D		F	B		C	C				
Approach Vol, veh/h		399			664			1164				
Approach Delay, s/veh		36.6			67.6			23.1				
Approach LOS		D			E			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	21.0	22.0		43.6		43.0		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 16	16.0		51.0		37.0		
Max Q Clear Time (g_c+I1), s	18.3	11.0		27.8		6.6		
Green Ext Time (p_c), s	0.0	2.1		9.8		5.4		

Intersection Summary	
HCM 2010 Ctrl Delay	38.8
HCM 2010 LOS	D

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	200			90	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	0.95	1.00	1.00	1.00
Ped Bike Factor					1.00	
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	3539	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	3539	1583	1762	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				175		134
Link Speed (mph)		25	25		25	
Link Distance (ft)		1900	707		752	
Travel Time (s)		51.8	19.3		20.5	

Intersection Summary	
Area Type:	Other



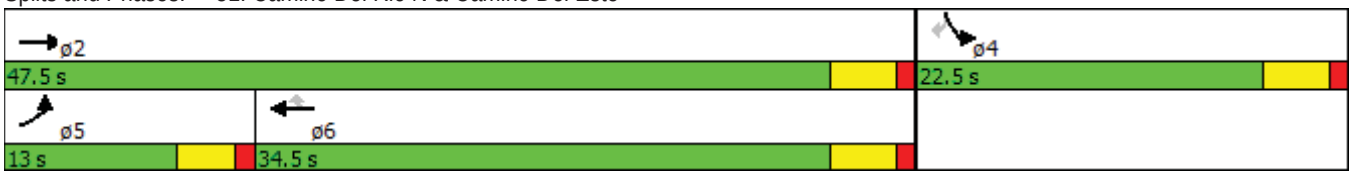
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	210	227	276	159	306	122
Confl. Peds. (#/hr)					2	
Confl. Bikes (#/hr)						
Peak Hour Factor	0.93	0.93	0.91	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	226	244	303	175	336	134
Shared Lane Traffic (%)						
Lane Group Flow (vph)	226	244	303	175	336	134

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	210	227	276	159	306	122
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.0	20.5	34.5	34.5	22.5	22.5
Total Split (s)	13.0	47.5	34.5	34.5	22.5	22.5
Total Split (%)	18.6%	67.9%	49.3%	49.3%	32.1%	32.1%
Yellow Time (s)	3.0	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Max	Max	Max	None	None
Act Effct Green (s)	9.0	43.0	30.0	30.0	16.5	16.5
Actuated g/C Ratio	0.13	0.63	0.44	0.44	0.24	0.24
v/c Ratio	0.97	0.21	0.20	0.22	0.79	0.28
Control Delay	87.9	6.4	12.6	3.1	39.3	6.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	87.9	6.4	12.6	3.1	39.3	6.1
LOS	F	A	B	A	D	A
Approach Delay		45.5	9.1		29.8	
Approach LOS		D	A		C	

Intersection Summary	
Cycle Length: 70	
Actuated Cycle Length: 68.6	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.97	
Intersection Signal Delay: 28.0	Intersection LOS: C
Intersection Capacity Utilization 47.0%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 51: Camino Del Rio N & Camino Del Este





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	210	227	276	159	306	122
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	226	244	303	65	336	24
Adj No. of Lanes	1	1	2	1	1	1
Peak Hour Factor	0.93	0.93	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	239	1200	1591	712	392	350
Arrive On Green	0.13	0.64	0.45	0.45	0.22	0.22
Sat Flow, veh/h	1774	1863	3632	1583	1774	1583
Grp Volume(v), veh/h	226	244	303	65	336	24
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	1583	1774	1583
Q Serve(g_s), s	8.4	3.6	3.4	1.6	12.1	0.8
Cycle Q Clear(g_c), s	8.4	3.6	3.4	1.6	12.1	0.8
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	239	1200	1591	712	392	350
V/C Ratio(X)	0.94	0.20	0.19	0.09	0.86	0.07
Avail Cap(c_a), veh/h	239	1200	1591	712	478	427
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.6	4.9	11.1	10.5	25.0	20.6
Incr Delay (d2), s/veh	42.6	0.4	0.3	0.3	13.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.9	2.0	1.7	0.7	7.3	0.8
LnGrp Delay(d),s/veh	71.3	5.2	11.3	10.8	38.2	20.7
LnGrp LOS	E	A	B	B	D	C
Approach Vol, veh/h		470	368		360	
Approach Delay, s/veh		37.0	11.2		37.0	
Approach LOS		D	B		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		47.5		19.3	13.0	34.5		
Change Period (Y+Rc), s		4.5		4.5	4.0	4.5		
Max Green Setting (Gmax), s		43.0		18.0	9.0	30.0		
Max Q Clear Time (g_c+I1), s		5.6		14.1	10.4	5.4		
Green Ext Time (p_c), s		3.4		0.6	0.0	3.3		

Intersection Summary	
HCM 2010 Ctrl Delay	29.1
HCM 2010 LOS	C



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		200	0		0	0		0
Storage Lanes	1		1	0		1	1		1	0		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	0.95	1.00
Ped Bike Factor	0.99					0.98						
Frt			0.850			0.850						0.850
Flt Protected	0.950				0.997		0.950					
Satd. Flow (prot)	1770	0	1583	0	1857	1583	1770	5085	1863	0	3539	1583
Flt Permitted	0.950				0.997		0.950					
Satd. Flow (perm)	1760	0	1583	0	1857	1553	1770	5085	1863	0	3539	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			341			270						416
Link Speed (mph)		35			30			45			45	
Link Distance (ft)		378			430			672			469	
Travel Time (s)		7.4			9.8			10.2			7.1	

Intersection Summary	
Area Type:	Other



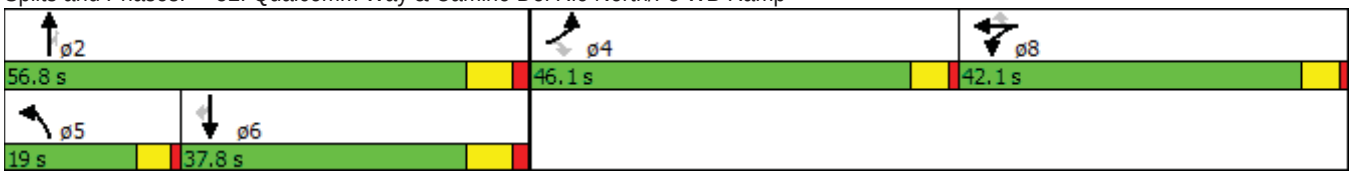
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	61	0	269	12	157	246	190	762	0	0	666	420
Confl. Peds. (#/hr)	6					6						
Confl. Bikes (#/hr)												
Peak Hour Factor	0.79	0.79	0.79	0.91	0.91	0.91	0.94	0.94	0.94	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	77	0	341	13	173	270	202	811	0	0	732	462
Shared Lane Traffic (%)												
Lane Group Flow (vph)	77	0	341	0	186	270	202	811	0	0	732	462

Intersection Summary

Lane Group	EBL	EBR	WBT	WBR	NBL	NBT	SBT	SBR
Lane Configurations								
Volume (vph)	61	269	157	246	190	762	666	420
Turn Type	Prot	Perm	NA	Perm	Prot	NA	NA	Perm
Protected Phases	4		8		5	2	6	
Permitted Phases		4		8				6
Detector Phase	4	4	8	8	5	2	6	6
Switch Phase								
Minimum Initial (s)	5.0	5.0	15.0	15.0	14.0	12.0	13.0	13.0
Minimum Split (s)	46.1	46.1	42.1	42.1	18.7	25.0	37.0	37.0
Total Split (s)	46.1	46.1	42.1	42.1	19.0	56.8	37.8	37.8
Total Split (%)	31.8%	31.8%	29.0%	29.0%	13.1%	39.2%	26.1%	26.1%
Yellow Time (s)	4.1	4.1	4.1	4.1	3.7	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.1	5.1	5.1	5.1	4.7	7.0	7.0	7.0
Lead/Lag					Lead		Lag	Lag
Lead-Lag Optimize?					Yes		Yes	Yes
Recall Mode	None	None	None	None	None	Min	Min	Min
Act Effct Green (s)	9.0	9.0	18.8	18.8	14.5	50.2	30.9	30.9
Actuated g/C Ratio	0.09	0.09	0.20	0.20	0.15	0.53	0.32	0.32
v/c Ratio	0.46	0.74	0.51	0.52	0.75	0.30	0.64	0.58
Control Delay	51.6	15.8	39.3	7.7	59.3	14.7	32.3	8.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	51.6	15.8	39.3	7.7	59.3	14.7	32.3	8.1
LOS	D	B	D	A	E	B	C	A
Approach Delay			20.6			23.6	22.9	
Approach LOS			C			C	C	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 95.5	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.75	
Intersection Signal Delay: 22.7	Intersection LOS: C
Intersection Capacity Utilization 67.5%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 52: Qualcomm Way & Camino Del Rio North/I-8 WB Ramp



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	61	0	269	12	157	246	190	762	0	0	666	420
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863	1900	1863	1863	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	77	0	31	13	173	0	202	811	0	0	732	99
Adj No. of Lanes	1	0	1	0	1	1	1	3	1	0	2	1
Peak Hour Factor	0.79	0.79	0.79	0.91	0.91	0.91	0.94	0.94	0.94	0.91	0.91	0.91
Percent Heavy Veh, %	2	0	2	2	2	2	2	2	2	0	2	2
Cap, veh/h	0	0	0	29	387	355	343	3082	960	0	1228	549
Arrive On Green	0.00	0.00	0.00	0.22	0.22	0.00	0.19	0.61	0.00	0.00	0.35	0.35
Sat Flow, veh/h		0		130	1727	1583	1774	5085	1583	0	3632	1583
Grp Volume(v), veh/h		0.0		186	0	0	202	811	0	0	732	99
Grp Sat Flow(s),veh/h/ln				1856	0	1583	1774	1695	1583	0	1770	1583
Q Serve(g_s), s				6.2	0.0	0.0	7.4	5.3	0.0	0.0	12.1	3.1
Cycle Q Clear(g_c), s				6.2	0.0	0.0	7.4	5.3	0.0	0.0	12.1	3.1
Prop In Lane				0.07		1.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h				416	0	355	343	3082	960	0	1228	549
V/C Ratio(X)				0.45	0.00	0.00	0.59	0.26	0.00	0.00	0.60	0.18
Avail Cap(c_a), veh/h				965	0	823	356	3559	1108	0	1532	685
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				23.8	0.0	0.0	26.1	6.6	0.0	0.0	19.1	16.2
Incr Delay (d2), s/veh				0.3	0.0	0.0	1.5	0.0	0.0	0.0	1.0	0.3
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				3.2	0.0	0.0	3.7	2.5	0.0	0.0	6.1	1.4
LnGrp Delay(d),s/veh				24.1	0.0	0.0	27.7	6.6	0.0	0.0	20.1	16.5
LnGrp LOS				C			C	A			C	B
Approach Vol, veh/h					186			1013			831	
Approach Delay, s/veh					24.1			10.8			19.7	
Approach LOS					C			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		50.1			18.4	31.7		21.0
Change Period (Y+Rc), s		7.0			* 4.7	7.0		5.1
Max Green Setting (Gmax), s		49.8			* 14	30.8		37.0
Max Q Clear Time (g_c+I1), s		7.3			9.4	14.1		8.2
Green Ext Time (p_c), s		17.6			0.0	10.6		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	15.7
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		220	0		0	0		80	330		0
Storage Lanes	2		1	0		0	0		1	2		0
Taper Length (ft)	0			0			0			25		
Lane Util. Factor	0.97	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.97	1.00	1.00
Ped Bike Factor									0.99			
Frt			0.850						0.850			
Flt Protected	0.950									0.950		
Satd. Flow (prot)	3433	0	1583	0	0	0	0	3539	1583	3433	1863	0
Flt Permitted	0.950									0.950		
Satd. Flow (perm)	3433	0	1583	0	0	0	0	3539	1564	3433	1863	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			199						172			
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		791			343			273			758	
Travel Time (s)		18.0			7.8			4.7			12.9	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	721	0	260	0	0	0	0	434	169	569	376	0
Confl. Peds. (#/hr)							3					3
Confl. Bikes (#/hr)									1			3
Peak Hour Factor	0.97	0.97	0.97	0.25	0.25	0.25	0.94	0.94	0.94	0.87	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	743	0	268	0	0	0	0	462	180	654	432	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	743	0	268	0	0	0	0	462	180	654	432	0

Intersection Summary

Lane Group	EBL	EBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	721	260	434	169	569	376
Turn Type	Prot	Perm	NA	Perm	Split	NA
Protected Phases	2		4		8	8
Permitted Phases		2		4		
Detector Phase	2	2	4	4	8	8
Switch Phase						
Minimum Initial (s)	5.0	5.0	2.0	2.0	18.0	18.0
Minimum Split (s)	11.1	11.1	5.0	5.0	44.1	44.1
Total Split (s)	22.0	22.0	78.0	78.0	40.0	40.0
Total Split (%)	15.7%	15.7%	55.7%	55.7%	28.6%	28.6%
Yellow Time (s)	4.1	4.1	3.0	3.0	4.1	4.1
All-Red Time (s)	2.0	2.0	0.0	0.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.1	6.1	3.0	3.0	6.1	6.1
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	C-Max	C-Max	None	None	Min	Min
Act Effct Green (s)	62.6	62.6	22.8	22.8	39.5	39.5
Actuated g/C Ratio	0.45	0.45	0.16	0.16	0.28	0.28
v/c Ratio	0.48	0.33	0.80	0.45	0.68	0.82
Control Delay	30.3	9.1	67.3	11.5	48.0	60.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.3	9.1	67.4	11.5	48.0	60.4
LOS	C	A	E	B	D	E
Approach Delay			51.7			52.9
Approach LOS			D			D

Intersection Summary

Cycle Length: 140
Actuated Cycle Length: 140
Offset: 58 (41%), Referenced to phase 2:EBL and 6:, Start of Yellow
Natural Cycle: 90
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.82
Intersection Signal Delay: 42.2 Intersection LOS: D
Intersection Capacity Utilization 60.5% ICU Level of Service B
Analysis Period (min) 15

Splits and Phases: 58: Mission Center Road & I-8 EB Ramp



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	721	0	260	0	0	0	0	434	169	569	376	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	743	0	0				0	462	0	654	432	0
Adj No. of Lanes	2	0	1				0	2	1	2	1	0
Peak Hour Factor	0.97	0.97	0.97				0.94	0.94	0.94	0.87	0.87	0.87
Percent Heavy Veh, %	2	0	2				0	2	2	2	2	0
Cap, veh/h	1715	0	789				0	534	239	833	451	0
Arrive On Green	0.50	0.00	0.00				0.00	0.05	0.00	0.24	0.24	0.00
Sat Flow, veh/h	3442	0	1583				0	3632	1583	3442	1863	0
Grp Volume(v), veh/h	743	0	0				0	462	0	654	432	0
Grp Sat Flow(s),veh/h/ln	1721	0	1583				0	1770	1583	1721	1863	0
Q Serve(g_s), s	19.3	0.0	0.0				0.0	18.1	0.0	24.9	32.0	0.0
Cycle Q Clear(g_c), s	19.3	0.0	0.0				0.0	18.1	0.0	24.9	32.0	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1715	0	789				0	534	239	833	451	0
V/C Ratio(X)	0.43	0.00	0.00				0.00	0.87	0.00	0.78	0.96	0.00
Avail Cap(c_a), veh/h	1715	0	789				0	1896	848	833	451	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	0.91	0.00	0.78	0.78	0.00
Uniform Delay (d), s/veh	22.5	0.0	0.0				0.0	65.1	0.0	49.6	52.3	0.0
Incr Delay (d2), s/veh	0.8	0.0	0.0				0.0	1.5	0.0	3.6	27.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.4	0.0	0.0				0.0	9.0	0.0	12.2	19.8	0.0
LnGrp Delay(d),s/veh	23.3	0.0	0.0				0.0	66.6	0.0	53.2	79.4	0.0
LnGrp LOS	C							E		D	E	
Approach Vol, veh/h		743						462			1086	
Approach Delay, s/veh		23.3						66.6			63.6	
Approach LOS		C						E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		75.9		24.1				40.0
Change Period (Y+Rc), s		6.1		3.0				6.1
Max Green Setting (Gmax), s		15.9		75.0				33.9
Max Q Clear Time (g_c+I1), s		21.3		20.1				34.0
Green Ext Time (p_c), s		0.0		1.0				0.0

Intersection Summary	
HCM 2010 Ctrl Delay	51.1
HCM 2010 LOS	D

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	280		0	0		220	0		0	0		0
Storage Lanes	1		0	0		1	0		1	1		1
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	0.91	0.91	0.95	0.95	0.95	1.00	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor								1.00				0.98
Frt		0.994				0.850			0.850			0.850
Flt Protected	0.950	0.964			0.991			0.995		0.950	0.963	
Satd. Flow (prot)	1610	3249	0	0	3507	1583	0	1853	1583	1681	1704	1583
Flt Permitted	0.950	0.964			0.991			0.995		0.950	0.963	
Satd. Flow (perm)	1610	3249	0	0	3507	1583	0	1853	1583	1681	1704	1557
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4				288			119			359
Link Speed (mph)		35			35			40			40	
Link Distance (ft)		473			544			207			273	
Travel Time (s)		9.2			10.6			3.5			4.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	332	50	10	12	54	268	3	27	6	304	38	280
Confl. Peds. (#/hr)							2					2
Confl. Bikes (#/hr)												2
Peak Hour Factor	0.96	0.96	0.96	0.93	0.93	0.93	0.82	0.82	0.82	0.78	0.78	0.78
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	346	52	10	13	58	288	4	33	7	390	49	359
Shared Lane Traffic (%)	50%									44%		
Lane Group Flow (vph)	173	235	0	0	71	288	0	37	7	218	221	359

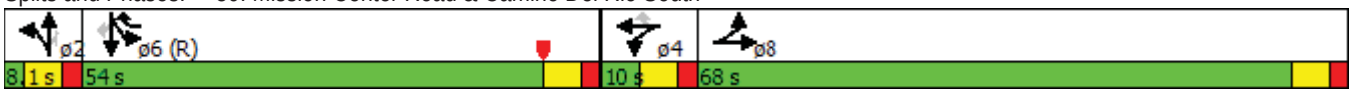
Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Configurations									
Volume (vph)	332	50	54	268	27	6	304	38	280
Turn Type	Split	NA	NA	pm+ov	NA	Perm	Split	NA	Perm
Protected Phases	8	8	4	6	2		6	6	
Permitted Phases				4		2			6
Detector Phase	8	8	4	6	2	2	6	6	6
Switch Phase									
Minimum Initial (s)	10.0	10.0	3.9	5.0	2.0	2.0	5.0	5.0	5.0
Minimum Split (s)	16.1	16.1	10.0	33.1	8.1	8.1	33.1	33.1	33.1
Total Split (s)	68.0	68.0	10.0	54.0	8.1	8.1	54.0	54.0	54.0
Total Split (%)	48.5%	48.5%	7.1%	38.5%	5.8%	5.8%	38.5%	38.5%	38.5%
Yellow Time (s)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Lead/Lag									
Lead-Lag Optimize?									
Recall Mode	None	None	None	C-Min	None	None	C-Min	C-Min	C-Min
Act Effct Green (s)	20.0	20.0	7.5	91.1	10.8	10.8	77.5	77.5	77.5
Actuated g/C Ratio	0.14	0.14	0.05	0.65	0.08	0.08	0.55	0.55	0.55
v/c Ratio	0.76	0.50	0.38	0.26	0.26	0.03	0.23	0.23	0.35
Control Delay	77.3	57.3	69.4	1.8	66.1	0.2	18.3	18.3	2.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.4	1.7
Total Delay	77.3	57.3	69.4	1.8	66.1	0.2	21.6	21.6	4.5
LOS	E	E	E	A	E	A	C	C	A
Approach Delay		65.8	15.2		55.6			13.9	
Approach LOS		E	B		E			B	

Intersection Summary

Cycle Length: 140.1
Actuated Cycle Length: 140.1
Offset: 58 (41%), Referenced to phase 6:SBTL, Start of Yellow
Natural Cycle: 70
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.76
Intersection Signal Delay: 28.5 — Intersection LOS: C
Intersection Capacity Utilization 50.3% — ICU Level of Service A
Analysis Period (min) 15

Splits and Phases: 59: Mission Center Road & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	332	50	10	12	54	268	3	27	6	304	38	280
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	346	52	10	13	58	288	4	33	7	425	0	359
Adj No. of Lanes	2	1	0	0	2	1	0	1	1	2	0	1
Peak Hour Factor	0.96	0.96	0.96	0.93	0.93	0.93	0.82	0.82	0.82	0.78	0.78	0.78
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	411	176	34	9	91	726	86	712	681	892	0	387
Arrive On Green	0.12	0.12	0.12	0.03	0.03	0.03	0.43	0.43	0.43	0.25	0.00	0.25
Sat Flow, veh/h	3548	1519	292	338	3277	1583	200	1652	1581	3548	0	1541
Grp Volume(v), veh/h	346	0	62	71	0	288	37	0	7	425	0	359
Grp Sat Flow(s),veh/h/ln	1774	0	1811	1846	1770	1583	1853	0	1581	1774	0	1541
Q Serve(g_s), s	13.4	0.0	4.4	3.9	0.0	3.9	1.6	0.0	0.4	14.3	0.0	31.8
Cycle Q Clear(g_c), s	13.4	0.0	4.4	3.9	0.0	3.9	1.6	0.0	0.4	14.3	0.0	31.8
Prop In Lane	1.00		0.16	0.18		1.00	0.11		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	411	0	210	51	49	726	798	0	681	892	0	387
V/C Ratio(X)	0.84	0.00	0.30	1.38	0.00	0.40	0.05	0.00	0.01	0.48	0.00	0.93
Avail Cap(c_a), veh/h	1569	0	801	51	49	726	798	0	681	1214	0	527
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	0.73	0.00	0.73
Uniform Delay (d), s/veh	60.6	0.0	56.7	68.1	0.0	21.6	23.2	0.0	22.8	44.6	0.0	51.2
Incr Delay (d2), s/veh	1.8	0.0	0.3	256.2	0.0	0.1	0.0	0.0	0.0	1.3	0.0	24.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.7	0.0	2.2	5.6	0.0	11.1	0.8	0.0	0.2	7.2	0.0	16.2
LnGrp Delay(d),s/veh	62.4	0.0	56.9	324.3	0.0	21.7	23.2	0.0	22.8	45.9	0.0	75.8
LnGrp LOS	E		E	F		C	C		C	D		E
Approach Vol, veh/h		408			359			44			784	
Approach Delay, s/veh		61.6			81.6			23.1			59.6	
Approach LOS		E			F			C			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Phs Duration (G+Y+Rc), s		66.4		10.0		41.3		22.3
Change Period (Y+Rc), s		6.1		6.1		6.1		6.1
Max Green Setting (Gmax), s		2.0		3.9		47.9		61.9
Max Q Clear Time (g_c+I1), s		3.6		5.9		33.8		15.4
Green Ext Time (p_c), s		0.0		0.0		1.3		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	64.1
HCM 2010 LOS	E

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		2	0		1	0		0	0		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	0.88	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Ped Bike Factor											0.99	
Frt			0.850			0.865		0.961			0.946	
Flt Protected												
Satd. Flow (prot)	0	0	2787	0	0	1611	0	3401	0	0	3316	0
Flt Permitted												
Satd. Flow (perm)	0	0	2787	0	0	1611	0	3401	0	0	3316	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			232			67		123			266	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		550			167			411			198	
Travel Time (s)		12.5			3.8			6.2			3.0	

Intersection Summary	
Area Type:	Other



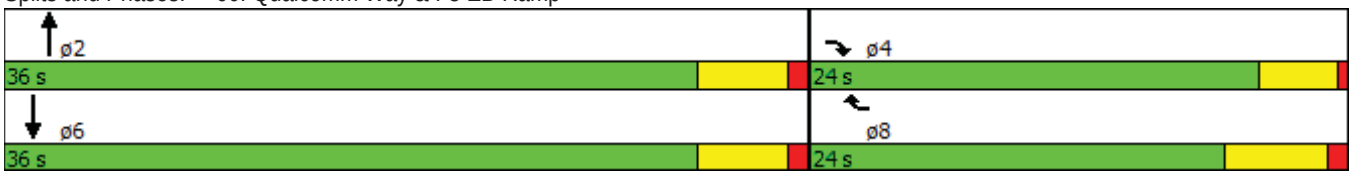
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	420	0	0	373	0	948	338	0	759	426
Confl. Peds. (#/hr)							4					4
Confl. Bikes (#/hr)												1
Peak Hour Factor	0.93	0.92	0.93	0.92	0.92	0.92	0.88	0.88	0.88	0.92	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	452	0	0	405	0	1077	384	0	816	458
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	452	0	0	405	0	1461	0	0	1274	0

Intersection Summary

Lane Group	EBR	WBR	NBT	SBT
Lane Configurations				
Volume (vph)	420	373	948	759
Turn Type	Prot	Prot	NA	NA
Protected Phases	4	8	2	6
Permitted Phases			2	
Detector Phase	4	8	2	6
Switch Phase				
Minimum Initial (s)	4.0	5.0	15.0	15.0
Minimum Split (s)	8.0	21.5	21.1	26.1
Total Split (s)	24.0	24.0	36.0	36.0
Total Split (%)	40.0%	40.0%	60.0%	60.0%
Yellow Time (s)	3.5	4.5	4.1	4.1
All-Red Time (s)	0.5	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	5.5	5.1	5.1
Lead/Lag				
Lead-Lag Optimize?				
Recall Mode	None	None	Min	Min
Act Effct Green (s)	16.4	14.8	25.9	25.9
Actuated g/C Ratio	0.32	0.29	0.50	0.50
v/c Ratio	0.43	0.80	0.83	0.71
Control Delay	8.6	28.7	15.5	10.6
Queue Delay	0.0	0.0	0.1	0.0
Total Delay	8.6	28.7	15.6	10.6
LOS	A	C	B	B
Approach Delay			15.6	10.6
Approach LOS			B	B

Intersection Summary	
Cycle Length: 60	
Actuated Cycle Length: 51.8	
Natural Cycle: 60	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 14.4	Intersection LOS: B
Intersection Capacity Utilization 68.9%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 60: Qualcomm Way & I-8 EB Ramp



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	420	0	0	373	0	948	338	0	759	426
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	0	1863	0	0	1863	0	1863	1900	0	1863	1900
Adj Flow Rate, veh/h	0	0	301	0	0	0	0	1077	0	0	816	307
Adj No. of Lanes	0	0	2	0	0	1	0	2	0	0	2	0
Peak Hour Factor	0.93	0.92	0.93	0.92	0.92	0.92	0.88	0.88	0.88	0.92	0.93	0.93
Percent Heavy Veh, %	0	0	2	0	0	2	0	2	2	0	2	2
Cap, veh/h	0	0	0	0	0	0	0	2677	0	0	1892	710
Arrive On Green	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.76	0.76
Sat Flow, veh/h		0			0		0	3725	0	0	2594	939
Grp Volume(v), veh/h		0.0			0.0		0	1077	0	0	577	546
Grp Sat Flow(s),veh/h/ln							0	1770	0	0	1770	1671
Q Serve(g_s), s							0.0	2.2	0.0	0.0	2.5	2.5
Cycle Q Clear(g_c), s							0.0	2.2	0.0	0.0	2.5	2.5
Prop In Lane							0.00		0.00	0.00		0.56
Lane Grp Cap(c), veh/h							0	2677	0	0	1338	1264
V/C Ratio(X)							0.00	0.40	0.00	0.00	0.43	0.43
Avail Cap(c_a), veh/h							0	5225	0	0	2613	2467
HCM Platoon Ratio							1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)							0.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh							0.0	0.9	0.0	0.0	0.9	0.9
Incr Delay (d2), s/veh							0.0	0.0	0.0	0.0	0.1	0.1
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.0	1.1	0.0	0.0	1.2	1.1
LnGrp Delay(d),s/veh							0.0	0.9	0.0	0.0	1.0	1.0
LnGrp LOS								A			A	A
Approach Vol, veh/h								1077			1123	
Approach Delay, s/veh								0.9			1.0	
Approach LOS								A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2				6		
Phs Duration (G+Y+Rc), s		20.9				20.9		
Change Period (Y+Rc), s		5.1				5.1		
Max Green Setting (Gmax), s		30.9				30.9		
Max Q Clear Time (g_c+I1), s		4.2				4.5		
Green Ext Time (p_c), s		11.3				11.3		

Intersection Summary	
HCM 2010 Ctrl Delay	1.0
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	80		35	60		60	100		0	0		160
Storage Lanes	1		1	1		1	1		0	1		1
Taper Length (ft)	25			25			25			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00
Ped Bike Factor	1.00		0.98	0.99		0.98	1.00	1.00		1.00		0.97
Frt			0.850			0.850		0.982				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	3460	0	1770	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1763	1863	1550	1757	1863	1556	1763	3460	0	1762	3539	1535
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			135			416		9				132
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		536			618			1151			411	
Travel Time (s)		10.4			12.0			17.4			6.2	

Intersection Summary	
Area Type:	Other



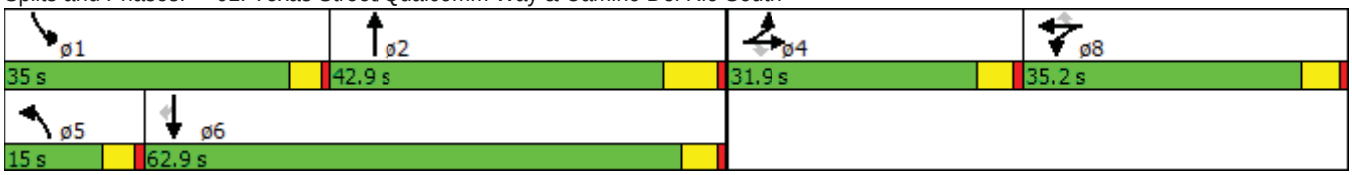
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	161	80	78	100	55	435	54	728	97	368	669	152
Confl. Peds. (#/hr)	3		5	5		3	4		5	5		4
Confl. Bikes (#/hr)			1			1			1			1
Peak Hour Factor	0.87	0.87	0.87	0.93	0.93	0.93	0.89	0.89	0.89	0.95	0.95	0.95
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	185	92	90	108	59	468	61	818	109	387	704	160
Shared Lane Traffic (%)												
Lane Group Flow (vph)	185	92	90	108	59	468	61	927	0	387	704	160

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	161	80	78	100	55	435	54	728	368	669	152
Turn Type	Split	NA	Perm	Split	NA	Perm	Prot	NA	Prot	NA	Perm
Protected Phases	4	4		8	8		5	2	1	6	
Permitted Phases			4			8					6
Detector Phase	4	4	4	8	8	8	5	2	1	6	6
Switch Phase											
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	4.0	10.0	10.0
Minimum Split (s)	31.9	31.9	31.9	35.2	35.2	35.2	8.4	29.0	8.4	34.9	34.9
Total Split (s)	31.9	31.9	31.9	35.2	35.2	35.2	15.0	42.9	35.0	62.9	62.9
Total Split (%)	22.0%	22.0%	22.0%	24.3%	24.3%	24.3%	10.3%	29.6%	24.1%	43.4%	43.4%
Yellow Time (s)	3.9	3.9	3.9	4.2	4.2	4.2	3.4	6.0	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	5.2	5.2	5.2	4.4	7.0	4.4	4.9	4.9
Lead/Lag							Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?							Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	None	Min	Min
Act Effct Green (s)	17.9	17.9	17.9	14.5	14.5	14.5	8.2	36.3	31.0	63.4	63.4
Actuated g/C Ratio	0.15	0.15	0.15	0.12	0.12	0.12	0.07	0.30	0.26	0.52	0.52
v/c Ratio	0.71	0.34	0.26	0.51	0.27	0.85	0.51	0.89	0.86	0.38	0.19
Control Delay	65.7	51.0	3.6	58.9	51.6	23.2	73.3	53.0	63.8	21.3	6.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.7	0.0
Total Delay	65.7	51.0	3.6	58.9	51.6	23.2	73.3	53.0	72.8	22.0	6.4
LOS	E	D	A	E	D	C	E	D	E	C	A
Approach Delay		46.8			31.9			54.2		35.7	
Approach LOS		D			C			D		D	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 121.4	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.89	
Intersection Signal Delay: 41.9	Intersection LOS: D
Intersection Capacity Utilization 73.9%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 61: Texas Street/Qualcomm Way & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	161	80	78	100	55	435	54	728	97	368	669	152
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	185	92	0	108	59	22	61	818	103	387	704	76
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	1
Peak Hour Factor	0.87	0.87	0.87	0.93	0.93	0.93	0.89	0.89	0.89	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	242	255	216	169	177	146	79	1034	130	418	1838	801
Arrive On Green	0.14	0.14	0.00	0.10	0.10	0.10	0.04	0.33	0.33	0.24	0.52	0.52
Sat Flow, veh/h	1774	1863	1583	1774	1863	1536	1774	3152	397	1774	3539	1543
Grp Volume(v), veh/h	185	92	0	108	59	22	61	459	462	387	704	76
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1774	1863	1536	1774	1770	1779	1774	1770	1543
Q Serve(g_s), s	10.6	4.7	0.0	6.2	3.1	1.4	3.6	24.8	24.8	22.4	12.5	2.6
Cycle Q Clear(g_c), s	10.6	4.7	0.0	6.2	3.1	1.4	3.6	24.8	24.8	22.4	12.5	2.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.22	1.00		1.00
Lane Grp Cap(c), veh/h	242	255	216	169	177	146	79	581	584	418	1838	801
V/C Ratio(X)	0.76	0.36	0.00	0.64	0.33	0.15	0.78	0.79	0.79	0.93	0.38	0.09
Avail Cap(c_a), veh/h	456	478	407	506	532	438	179	604	607	516	1953	851
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.7	41.2	0.0	45.8	44.4	43.7	49.7	32.1	32.1	39.3	15.2	12.8
Incr Delay (d2), s/veh	4.9	0.9	0.0	1.5	0.4	0.2	6.0	8.7	8.6	18.7	0.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	2.5	0.0	3.1	1.6	0.6	1.9	13.5	13.6	13.1	6.1	1.1
LnGrp Delay(d),s/veh	48.7	42.1	0.0	47.3	44.8	43.8	55.8	40.7	40.7	58.0	15.3	12.8
LnGrp LOS	D	D		D	D	D	E	D	D	E	B	B
Approach Vol, veh/h		277			189			982			1167	
Approach Delay, s/veh		46.5			46.1			41.6			29.3	
Approach LOS		D			D			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	29.2	41.5		19.3	9.1	61.6		15.2
Change Period (Y+Rc), s	4.4	7.0		4.9	4.4	* 7		5.2
Max Green Setting (Gmax), s	30.6	35.9		27.0	10.6	* 58		30.0
Max Q Clear Time (g_c+I1), s	24.4	26.8		12.6	5.6	14.5		8.2
Green Ext Time (p_c), s	0.3	7.7		0.8	0.0	26.2		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	37.0
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

PM Peak Hour



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		400	120		0	0		0	0		180
Storage Lanes	0		1	2		0	0		0	1		1
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	0.95	1.00	0.97	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor			0.99									
Frt			0.850									0.850
Flt Protected				0.950						0.950		
Satd. Flow (prot)	0	3539	1583	3433	3539	0	0	0	0	1770	0	1583
Flt Permitted				0.950						0.950		
Satd. Flow (perm)	0	3539	1562	3433	3539	0	0	0	0	1770	0	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			83									545
Link Speed (mph)		45			45			45			45	
Link Distance (ft)		1242			540			840			941	
Travel Time (s)		18.8			8.2			12.7			14.3	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	1037	4	268	488	0	0	0	0	276	0	1236
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)			3			4						
Peak Hour Factor	0.88	0.88	0.88	0.79	0.79	0.79	0.25	0.25	0.25	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	1178	5	339	618	0	0	0	0	300	0	1343
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	1178	5	339	618	0	0	0	0	300	0	1343

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	SBL	SBR
Lane Configurations						
Volume (vph)	1037	4	268	488	276	1236
Turn Type	NA	Perm	Prot	NA	Prot	Free
Protected Phases	2		1	6	4	
Permitted Phases		2				Free
Detector Phase	2	2	1	6	4	
Switch Phase						
Minimum Initial (s)	14.0	14.0	5.0	13.0	5.0	
Minimum Split (s)	26.5	26.5	9.7	18.5	10.1	
Total Split (s)	55.0	55.0	15.0	70.0	30.0	
Total Split (%)	55.0%	55.0%	15.0%	70.0%	30.0%	
Yellow Time (s)	4.5	4.5	3.7	4.5	4.1	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	5.5	5.5	4.7	5.5	5.1	
Lead/Lag	Lead	Lead	Lag			
Lead-Lag Optimize?	Yes	Yes	Yes			
Recall Mode	C-Min	C-Min	None	C-Min	None	
Act Effct Green (s)	50.6	50.6	14.3	69.6	19.8	100.0
Actuated g/C Ratio	0.51	0.51	0.14	0.70	0.20	1.00
v/c Ratio	0.66	0.01	0.69	0.25	0.86	0.85
Control Delay	21.3	0.0	48.5	3.9	61.0	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	21.3	0.0	48.5	3.9	61.0	6.2
LOS	C	A	D	A	E	A
Approach Delay	21.2			19.7		
Approach LOS	C			B		

Intersection Summary

Cycle Length: 100
Actuated Cycle Length: 100
Offset: 0 (0%), Referenced to phase 2:EBT and 6:WBT, Start of Green, Master Intersection
Natural Cycle: 60
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.86
Intersection Signal Delay: 18.7 Intersection LOS: B
Intersection Capacity Utilization 78.0% ICU Level of Service D
Analysis Period (min) 15

Splits and Phases: 1: I-5 SB Ramps & Seaworld Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	1037	4	268	488	0	0	0	0	276	0	1236
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	0	1863
Adj Flow Rate, veh/h	0	1178	0	339	618	0				300	0	0
Adj No. of Lanes	0	2	1	2	2	0				1	0	1
Peak Hour Factor	0.88	0.88	0.88	0.79	0.79	0.79				0.92	0.92	0.92
Percent Heavy Veh, %	0	2	2	2	2	0				2	0	2
Cap, veh/h	0	1342	600	942	2505	0				331	0	295
Arrive On Green	0.00	0.38	0.00	0.55	1.00	0.00				0.19	0.00	0.00
Sat Flow, veh/h	0	3632	1583	3442	3632	0				1774	0	1583
Grp Volume(v), veh/h	0	1178	0	339	618	0				300	0	0
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1721	1770	0				1774	0	1583
Q Serve(g_s), s	0.0	31.0	0.0	5.6	0.0	0.0				16.6	0.0	0.0
Cycle Q Clear(g_c), s	0.0	31.0	0.0	5.6	0.0	0.0				16.6	0.0	0.0
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1342	600	942	2505	0				331	0	295
V/C Ratio(X)	0.00	0.88	0.00	0.36	0.25	0.00				0.91	0.00	0.00
Avail Cap(c_a), veh/h	0	1752	784	942	2505	0				442	0	394
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	0.42	0.42	0.00				1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	28.9	0.0	17.7	0.0	0.0				39.8	0.0	0.0
Incr Delay (d2), s/veh	0.0	8.4	0.0	0.0	0.1	0.0				15.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	16.6	0.0	2.6	0.0	0.0				9.5	0.0	0.0
LnGrp Delay(d),s/veh	0.0	37.3	0.0	17.7	0.1	0.0				55.7	0.0	0.0
LnGrp LOS		D		B	A					E		
Approach Vol, veh/h		1178			957						300	
Approach Delay, s/veh		37.3			6.3						55.7	
Approach LOS		D			A						E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	32.9	43.4		23.7		76.3		
Change Period (Y+Rc), s	5.5	* 5.5		5.1		5.5		
Max Green Setting (Gmax), s	10.3	* 50		24.9		64.5		
Max Q Clear Time (g_c+I1), s	7.6	33.0		18.6		2.0		
Green Ext Time (p_c), s	1.0	4.9		0.1		3.2		

Intersection Summary	
HCM 2010 Ctrl Delay	27.4
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	225		0	0		200	0		0	0		0
Storage Lanes	2		0	0		0	0		1	0		0
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	0.97	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor					0.99							
Frt					0.933				0.850			
Flt Protected	0.950							0.956				
Satd. Flow (prot)	3433	3539	0	0	3281	0	0	1781	1583	0	0	0
Flt Permitted	0.950							0.956				
Satd. Flow (perm)	3433	3539	0	0	3281	0	0	1781	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					241				374			
Link Speed (mph)		45			45			45			45	
Link Distance (ft)		540			1262			985			725	
Travel Time (s)		8.2			19.1			14.9			11.0	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	786	575	0	0	531	433	233	17	500	0	0	0
Confl. Peds. (#/hr)			1	1								
Confl. Bikes (#/hr)			3			4						
Peak Hour Factor	0.94	0.94	0.94	0.84	0.84	0.84	0.87	0.87	0.87	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	836	612	0	0	632	515	268	20	575	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	836	612	0	0	1147	0	0	288	575	0	0	0

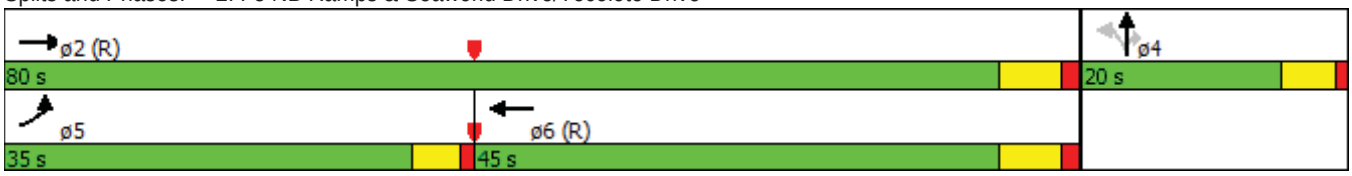
Intersection Summary

Lane Group	EBL	EBT	WBT	NBT	NBR
Lane Configurations					
Volume (vph)	786	575	531	17	500
Turn Type	Prot	NA	NA	NA	Perm
Protected Phases	5	2	6	4	
Permitted Phases					4
Detector Phase	5	2	6	4	4
Switch Phase					
Minimum Initial (s)	5.0	10.0	14.0	5.0	5.0
Minimum Split (s)	34.7	24.0	29.0	10.1	10.1
Total Split (s)	35.0	80.0	45.0	20.0	20.0
Total Split (%)	35.0%	80.0%	45.0%	20.0%	20.0%
Yellow Time (s)	3.7	4.5	4.5	4.1	4.1
All-Red Time (s)	1.0	1.5	1.5	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	6.0	6.0	5.1	5.1
Lead/Lag	Lead		Lag		
Lead-Lag Optimize?	Yes		Yes		
Recall Mode	None	C-Min	C-Min	None	None
Act Effct Green (s)	27.6	69.1	36.8	19.8	19.8
Actuated g/C Ratio	0.28	0.69	0.37	0.20	0.20
v/c Ratio	0.88	0.25	0.84	0.82	0.94
Control Delay	49.3	10.0	29.2	60.3	39.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	49.3	10.0	29.2	60.3	39.8
LOS	D	B	C	E	D
Approach Delay		32.7	29.2	46.6	
Approach LOS		C	C	D	

Intersection Summary

Cycle Length: 100
Actuated Cycle Length: 100
Offset: 70 (70%), Referenced to phase 2:EBT and 6:WBT, Start of Green
Natural Cycle: 90
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.94
Intersection Signal Delay: 35.0 — Intersection LOS: D
Intersection Capacity Utilization 78.0% — ICU Level of Service D
Analysis Period (min) 15

Splits and Phases: 2: I-5 NB Ramps & Seaworld Drive/Tecolote Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	786	575	0	0	531	433	233	17	500	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1900	1863	1863			
Adj Flow Rate, veh/h	836	612	0	0	632	342	268	20	207			
Adj No. of Lanes	2	2	0	0	2	0	0	1	1			
Peak Hour Factor	0.94	0.94	0.94	0.84	0.84	0.84	0.87	0.87	0.87			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	927	2619	0	0	932	504	247	18	236			
Arrive On Green	0.09	0.24	0.00	0.00	0.42	0.42	0.15	0.15	0.15			
Sat Flow, veh/h	3442	3632	0	0	2292	1190	1656	124	1583			
Grp Volume(v), veh/h	836	612	0	0	509	465	288	0	207			
Grp Sat Flow(s),veh/h/ln	1721	1770	0	0	1770	1619	1780	0	1583			
Q Serve(g_s), s	24.1	13.9	0.0	0.0	23.2	23.2	14.9	0.0	12.8			
Cycle Q Clear(g_c), s	24.1	13.9	0.0	0.0	23.2	23.2	14.9	0.0	12.8			
Prop In Lane	1.00		0.00	0.00		0.73	0.93		1.00			
Lane Grp Cap(c), veh/h	927	2619	0	0	750	686	265	0	236			
V/C Ratio(X)	0.90	0.23	0.00	0.00	0.68	0.68	1.09	0.00	0.88			
Avail Cap(c_a), veh/h	1043	2619	0	0	750	686	265	0	236			
HCM Platoon Ratio	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.65	0.65	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	44.2	15.1	0.0	0.0	23.3	23.3	42.6	0.0	41.7			
Incr Delay (d2), s/veh	6.5	0.1	0.0	0.0	4.9	5.3	80.1	0.0	28.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	12.3	6.8	0.0	0.0	12.3	11.4	13.2	0.0	12.4			
LnGrp Delay(d),s/veh	50.7	15.2	0.0	0.0	28.2	28.6	122.6	0.0	69.7			
LnGrp LOS	D	B			C	C	F		E			
Approach Vol, veh/h		1448			974			495				
Approach Delay, s/veh		35.7			28.4			100.5				
Approach LOS		D			C			F				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		80.0		20.0	31.6	48.4		
Change Period (Y+Rc), s		6.0		5.1	* 4.7	6.0		
Max Green Setting (Gmax), s		74.0		14.9	* 30	39.0		
Max Q Clear Time (g_c+I1), s		15.9		16.9	26.1	25.2		
Green Ext Time (p_c), s		7.7		0.0	0.9	5.6		

Intersection Summary	
HCM 2010 Ctrl Delay	44.3
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		200	250		0	0		0	0		600
Storage Lanes	0		1	1		0	0		0	0		1
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850									0.850
Flt Protected				0.950							0.953	
Satd. Flow (prot)	0	1863	1583	1770	1863	0	0	0	0	0	1775	1583
Flt Permitted				0.950							0.953	
Satd. Flow (perm)	0	1863	1583	1770	1863	0	0	0	0	0	1775	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			87									91
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		560			604			1740			1266	
Travel Time (s)		10.9			11.8			26.4			19.2	

Intersection Summary	
Area Type:	Other



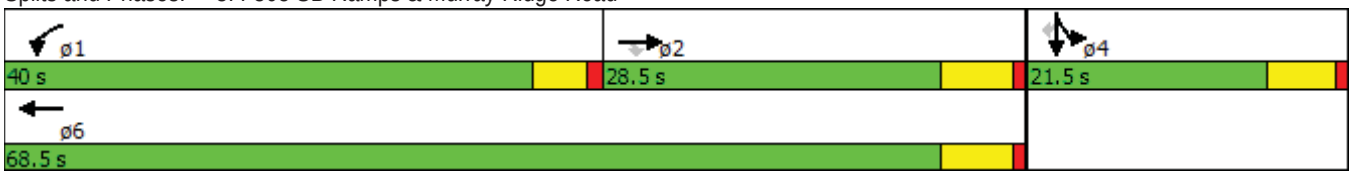
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	38	25	716	89	0	0	0	0	168	1	35
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93	0.25	0.25	0.25	0.98	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	41	27	770	96	0	0	0	0	171	1	36
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	41	27	770	96	0	0	0	0	0	172	36

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	SBT	SBR
Lane Configurations						
Volume (vph)	38	25	716	89	1	35
Turn Type	NA	Perm	Prot	NA	NA	Perm
Protected Phases	2		1	6	4	
Permitted Phases		2				4
Detector Phase	2	2	1	6	4	4
Switch Phase						
Minimum Initial (s)	12.0	12.0	5.0	11.0	5.0	5.0
Minimum Split (s)	27.8	27.8	9.7	24.8	21.5	21.5
Total Split (s)	28.5	28.5	40.0	68.5	21.5	21.5
Total Split (%)	31.7%	31.7%	44.4%	76.1%	23.9%	23.9%
Yellow Time (s)	4.8	4.8	3.7	4.8	4.5	4.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.8	4.7	5.8	5.5	5.5
Lead/Lag	Lag	Lag	Lead			
Lead-Lag Optimize?	Yes	Yes	Yes			
Recall Mode	None	None	None	Min	None	None
Act Effct Green (s)	12.4	12.4	36.5	44.7	10.9	10.9
Actuated g/C Ratio	0.18	0.18	0.54	0.66	0.16	0.16
v/c Ratio	0.12	0.07	0.80	0.08	0.60	0.11
Control Delay	28.8	0.4	25.6	4.6	37.2	0.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	28.8	0.4	25.6	4.6	37.2	0.7
LOS	C	A	C	A	D	A
Approach Delay	17.5			23.3	30.9	
Approach LOS	B			C	C	

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 67.3	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.80	
Intersection Signal Delay: 24.3	Intersection LOS: C
Intersection Capacity Utilization 72.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 3: I-805 SB Ramps & Murray Ridge Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	38	25	716	89	0	0	0	0	168	1	35
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1900	1863	1863
Adj Flow Rate, veh/h	0	41	0	770	96	0				171	1	0
Adj No. of Lanes	0	1	1	1	1	0				0	1	1
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93				0.98	0.98	0.98
Percent Heavy Veh, %	0	2	2	2	2	0				2	2	2
Cap, veh/h	0	191	163	830	1229	0				223	1	201
Arrive On Green	0.00	0.10	0.00	0.47	0.66	0.00				0.13	0.13	0.00
Sat Flow, veh/h	0	1863	1583	1774	1863	0				1764	10	1583
Grp Volume(v), veh/h	0	41	0	770	96	0				172	0	0
Grp Sat Flow(s),veh/h/ln	0	1863	1583	1774	1863	0				1775	0	1583
Q Serve(g_s), s	0.0	1.1	0.0	21.6	1.0	0.0				5.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	1.1	0.0	21.6	1.0	0.0				5.0	0.0	0.0
Prop In Lane	0.00		1.00	1.00		0.00				0.99		1.00
Lane Grp Cap(c), veh/h	0	191	163	830	1229	0				225	0	201
V/C Ratio(X)	0.00	0.21	0.00	0.93	0.08	0.00				0.77	0.00	0.00
Avail Cap(c_a), veh/h	0	800	680	1185	2210	0				537	0	479
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00				1.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	21.8	0.0	13.2	3.2	0.0				22.3	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.2	0.0	7.9	0.0	0.0				2.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.6	0.0	12.3	0.5	0.0				2.6	0.0	0.0
LnGrp Delay(d),s/veh	0.0	22.0	0.0	21.2	3.2	0.0				24.4	0.0	0.0
LnGrp LOS		C		C	A					C		
Approach Vol, veh/h		41			866						172	
Approach Delay, s/veh		22.0			19.2						24.4	
Approach LOS		C			B						C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	29.4	11.2		12.2		40.7		
Change Period (Y+Rc), s	* 4.7	5.8		5.5		5.8		
Max Green Setting (Gmax), s	* 35	22.7		16.0		62.7		
Max Q Clear Time (g_c+I1), s	23.6	3.1		7.0		3.0		
Green Ext Time (p_c), s	1.2	0.4		0.3		0.5		

Intersection Summary	
HCM 2010 Ctrl Delay	20.1
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	200		0	0		260	0		0	0		0
Storage Lanes	1		0	0		1	0		1	0		0
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00					0.98						
Frt						0.850			0.850			
Flt Protected	0.950							0.954				
Satd. Flow (prot)	1770	1863	0	0	3539	1583	0	1777	1583	0	0	0
Flt Permitted	0.950							0.954				
Satd. Flow (perm)	1769	1863	0	0	3539	1549	0	1777	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						397			519			
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		604			1266			1836			1231	
Travel Time (s)		11.8			24.7			27.8			18.7	

Intersection Summary	
Area Type:	Other



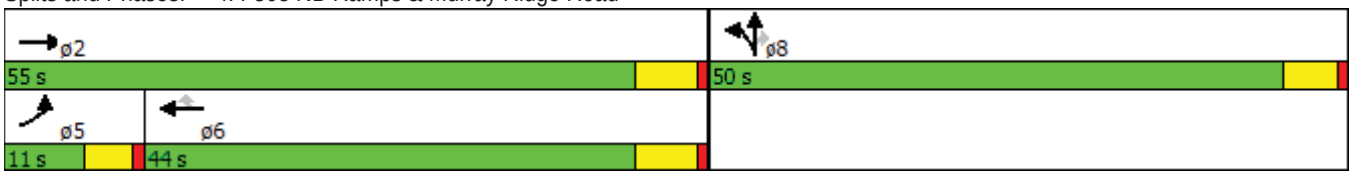
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	31	175	0	0	753	361	47	2	462	0	0	0
Confl. Peds. (#/hr)	1					1						
Confl. Bikes (#/hr)												
Peak Hour Factor	0.94	0.94	0.94	0.91	0.91	0.91	0.89	0.89	0.89	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	33	186	0	0	827	397	53	2	519	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	33	186	0	0	827	397	0	55	519	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBT	NBR
Lane Configurations						
Volume (vph)	31	175	753	361	2	462
Turn Type	Prot	NA	NA	Perm	NA	Perm
Protected Phases	5	2	6		8	
Permitted Phases				6		8
Detector Phase	5	2	6	6	8	8
Switch Phase						
Minimum Initial (s)	5.0	11.0	17.0	17.0	5.0	5.0
Minimum Split (s)	9.7	27.8	41.8	41.8	49.1	49.1
Total Split (s)	11.0	55.0	44.0	44.0	50.0	50.0
Total Split (%)	10.5%	52.4%	41.9%	41.9%	47.6%	47.6%
Yellow Time (s)	3.7	4.8	4.8	4.8	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	5.8	5.8	5.8	5.1	5.1
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	6.1	25.0	21.7	21.7	8.0	8.0
Actuated g/C Ratio	0.14	0.55	0.48	0.48	0.18	0.18
v/c Ratio	0.14	0.18	0.49	0.42	0.18	0.73
Control Delay	25.8	5.4	10.4	2.9	20.2	9.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.8	5.4	10.4	2.9	20.2	9.7
LOS	C	A	B	A	C	A
Approach Delay		8.5	8.0		10.7	
Approach LOS		A	A		B	

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 45.1	
Natural Cycle: 105	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.73	
Intersection Signal Delay: 8.8	Intersection LOS: A
Intersection Capacity Utilization 72.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 4: I-805 NB Ramps & Murray Ridge Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	31	175	0	0	753	361	47	2	462	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	1900	1863	1863			
Adj Flow Rate, veh/h	33	186	0	0	827	117	53	2	188			
Adj No. of Lanes	1	1	0	0	2	1	0	1	1			
Peak Hour Factor	0.94	0.94	0.94	0.91	0.91	0.91	0.89	0.89	0.89			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	68	1064	0	0	1480	661	278	10	257			
Arrive On Green	0.04	0.57	0.00	0.00	0.42	0.42	0.16	0.16	0.16			
Sat Flow, veh/h	1774	1863	0	0	3632	1581	1712	65	1583			
Grp Volume(v), veh/h	33	186	0	0	827	117	55	0	188			
Grp Sat Flow(s),veh/h/ln	1774	1863	0	0	1770	1581	1777	0	1583			
Q Serve(g_s), s	0.7	1.9	0.0	0.0	7.3	1.9	1.1	0.0	4.6			
Cycle Q Clear(g_c), s	0.7	1.9	0.0	0.0	7.3	1.9	1.1	0.0	4.6			
Prop In Lane	1.00		0.00	0.00		1.00	0.96		1.00			
Lane Grp Cap(c), veh/h	68	1064	0	0	1480	661	288	0	257			
V/C Ratio(X)	0.49	0.17	0.00	0.00	0.56	0.18	0.19	0.00	0.73			
Avail Cap(c_a), veh/h	273	2240	0	0	3305	1477	1951	0	1738			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	19.3	4.2	0.0	0.0	9.0	7.5	14.8	0.0	16.3			
Incr Delay (d2), s/veh	2.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	1.5			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.4	1.0	0.0	0.0	3.5	0.8	0.5	0.0	2.1			
LnGrp Delay(d),s/veh	21.3	4.2	0.0	0.0	9.2	7.5	14.9	0.0	17.8			
LnGrp LOS	C	A			A	A	B		B			
Approach Vol, veh/h		219			944			243				
Approach Delay, s/veh		6.8			9.0			17.2				
Approach LOS		A			A			B				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		29.2			6.3	22.9		11.7
Change Period (Y+Rc), s		5.8			* 4.7	5.8		5.1
Max Green Setting (Gmax), s		49.2			* 6.3	38.2		44.9
Max Q Clear Time (g_c+I1), s		3.9			2.7	9.3		6.6
Green Ext Time (p_c), s		5.2			0.0	5.0		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	10.0
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	170		0	290		200	240		0	200		200
Storage Lanes	1		1	2		1	2		1	1		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	0.97	1.00	1.00	0.97	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor			0.98	0.98		0.98	0.99		0.98	1.00		0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	3433	1863	1583	3433	3539	1583	1770	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1770	1863	1551	3362	1863	1549	3414	3539	1557	1766	3539	1552
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			445			157			153			153
Link Speed (mph)		30			25			40			40	
Link Distance (ft)		326			1405			675			1199	
Travel Time (s)		7.4			38.3			11.5			20.4	

Intersection Summary	
Area Type:	Other



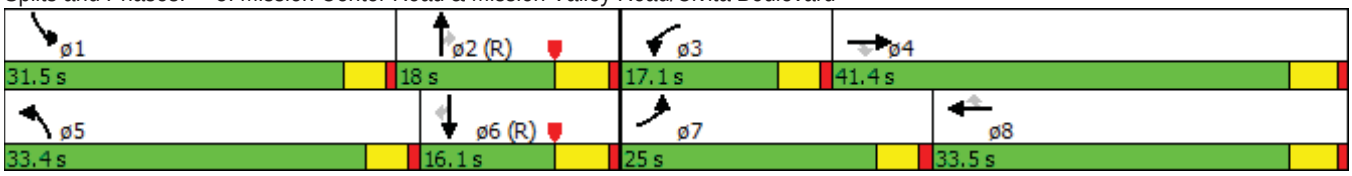
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	341	12	316	78	4	59	117	433	77	36	412	58
Confl. Peds. (#/hr)			5	5			5		4	4		5
Confl. Bikes (#/hr)			6			1						1
Peak Hour Factor	0.71	0.71	0.71	0.90	0.90	0.90	0.79	0.79	0.79	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	480	17	445	87	4	66	148	548	97	38	438	62
Shared Lane Traffic (%)												
Lane Group Flow (vph)	480	17	445	87	4	66	148	548	97	38	438	62

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	341	12	316	78	4	59	117	433	77	36	412	58
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	20.9	20.9	8.4	32.9	32.9	8.4	33.3	33.3	8.4	32.3	32.3
Total Split (s)	25.0	41.4	41.4	17.1	33.5	33.5	33.4	18.0	18.0	31.5	16.1	16.1
Total Split (%)	23.1%	38.3%	38.3%	15.8%	31.0%	31.0%	30.9%	16.7%	16.7%	29.2%	14.9%	14.9%
Yellow Time (s)	3.4	3.9	3.9	3.4	3.9	3.9	3.4	4.3	4.3	3.4	4.3	4.3
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.4	4.9	4.9	4.4	5.3	5.3	4.4	5.3	5.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	C-Min	C-Min	None	C-Min	C-Min
Act Effct Green (s)	20.6	24.1	24.1	8.1	12.1	12.1	9.1	55.8	55.8	6.8	49.8	49.8
Actuated g/C Ratio	0.19	0.22	0.22	0.08	0.11	0.11	0.08	0.52	0.52	0.06	0.46	0.46
v/c Ratio	1.42	0.04	0.64	0.34	0.02	0.21	0.51	0.30	0.11	0.34	0.27	0.08
Control Delay	241.6	29.9	7.5	50.5	37.0	1.5	69.6	11.7	0.5	56.0	21.3	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	241.6	29.9	7.5	50.5	37.0	1.5	69.6	11.7	0.5	56.0	21.3	0.2
LOS	F	C	A	D	D	A	E	B	A	E	C	A
Approach Delay		127.2			29.6			21.1			21.3	
Approach LOS		F			C			C			C	

Intersection Summary	
Cycle Length: 108	
Actuated Cycle Length: 108	
Offset: 9 (8%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 105	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 1.42	
Intersection Signal Delay: 62.8	Intersection LOS: E
Intersection Capacity Utilization 64.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 5: Mission Center Road & Mission Valley Road/Civita Boulevard



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	341	12	316	78	4	59	117	433	77	36	412	58
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.94	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	480	17	0	87	4	66	148	548	34	38	438	62
Adj No. of Lanes	1	1	1	2	1	1	2	2	1	1	2	1
Peak Hour Factor	0.71	0.71	0.71	0.90	0.90	0.90	0.79	0.79	0.79	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	338	416	354	142	137	110	213	1884	840	48	1762	776
Arrive On Green	0.19	0.22	0.00	0.04	0.07	0.07	0.08	0.71	0.71	0.03	0.50	0.50
Sat Flow, veh/h	1774	1863	1583	3442	1863	1491	3442	3539	1579	1774	3539	1559
Grp Volume(v), veh/h	480	17	0	87	4	66	148	548	34	38	438	62
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1721	1863	1491	1721	1770	1579	1774	1770	1559
Q Serve(g_s), s	20.6	0.8	0.0	2.7	0.2	4.6	4.5	6.2	0.7	2.3	7.7	2.2
Cycle Q Clear(g_c), s	20.6	0.8	0.0	2.7	0.2	4.6	4.5	6.2	0.7	2.3	7.7	2.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	338	416	354	142	137	110	213	1884	840	48	1762	776
V/C Ratio(X)	1.42	0.04	0.00	0.61	0.03	0.60	0.70	0.29	0.04	0.79	0.25	0.08
Avail Cap(c_a), veh/h	338	630	535	405	493	395	924	1884	840	445	1762	776
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	0.98	0.98	0.98	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.7	32.9	0.0	50.9	46.4	48.5	48.6	8.3	7.5	52.2	15.5	14.2
Incr Delay (d2), s/veh	204.9	0.1	0.0	4.2	0.2	12.9	1.5	0.4	0.1	9.9	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	29.3	0.4	0.0	1.4	0.1	2.3	2.2	3.1	0.3	1.3	3.8	1.0
LnGrp Delay(d),s/veh	248.6	33.0	0.0	55.2	46.6	61.4	50.1	8.7	7.6	62.1	15.9	14.4
LnGrp LOS	F	C		E	D	E	D	A	A	E	B	B
Approach Vol, veh/h		497			157			730			538	
Approach Delay, s/veh		241.2			57.6			17.0			19.0	
Approach LOS		F			E			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.3	62.8	8.9	29.0	11.1	59.1	25.0	12.9
Change Period (Y+Rc), s	4.4	5.3	4.4	4.9	4.4	5.3	4.4	4.9
Max Green Setting (Gmax), s	27.1	12.7	12.7	36.5	29.0	10.8	20.6	28.6
Max Q Clear Time (g_c+I1), s	4.3	8.2	4.7	2.8	6.5	9.7	22.6	6.6
Green Ext Time (p_c), s	0.0	3.3	0.1	0.8	0.2	0.9	0.0	0.6

Intersection Summary	
HCM 2010 Ctrl Delay	78.9
HCM 2010 LOS	E

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		70	120		0	120		200	150		0
Storage Lanes	0		1	1		0	2		1	1		0
Taper Length (ft)	0			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.91	1.00	1.00	0.95	0.95
Ped Bike Factor			0.93	0.98			0.99		0.98	1.00	1.00	
Frt			0.850		0.918				0.850		0.984	
Flt Protected		0.962		0.950			0.950			0.950		
Satd. Flow (prot)	0	1792	1583	1770	1710	0	3433	5085	1583	1770	3472	0
Flt Permitted		0.962		0.950			0.950			0.950		
Satd. Flow (perm)	0	1792	1477	1731	1710	0	3407	5085	1548	1761	3472	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			410		18				156		12	
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		331			1101			342			675	
Travel Time (s)		9.0			30.0			5.8			11.5	

Intersection Summary	
Area Type:	Other



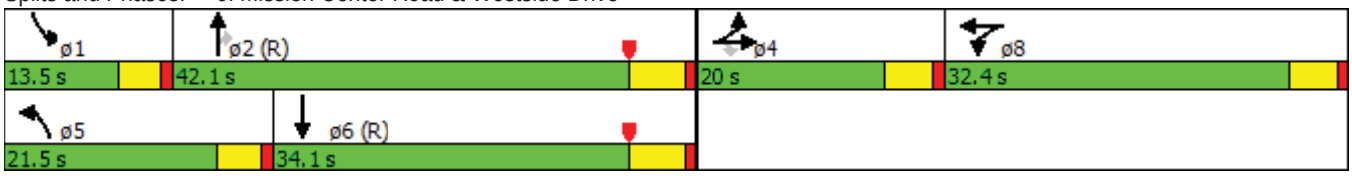
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	92	24	377	88	11	13	302	526	136	23	720	86
Confl. Peds. (#/hr)			25	25			9		5	5		9
Confl. Bikes (#/hr)			2									
Peak Hour Factor	0.92	0.92	0.92	0.74	0.74	0.74	0.87	0.87	0.87	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	100	26	410	119	15	18	347	605	156	25	791	95
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	126	410	119	33	0	347	605	156	25	886	0

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	24	377	88	11	302	526	136	23	720
Turn Type	NA	Perm	Split	NA	Prot	NA	Perm	Prot	NA
Protected Phases	4		8	8	5	2		1	6
Permitted Phases		4					2		
Detector Phase	4	4	8	8	5	2	2	1	6
Switch Phase									
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0
Minimum Split (s)	8.9	8.9	35.9	35.9	8.4	20.5	20.5	8.4	24.5
Total Split (s)	20.0	20.0	32.4	32.4	21.5	42.1	42.1	13.5	34.1
Total Split (%)	18.5%	18.5%	30.0%	30.0%	19.9%	39.0%	39.0%	12.5%	31.6%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.4	4.5	4.5	3.4	4.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.9	4.4	5.5	5.5	4.4	5.5
Lead/Lag					Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	C-Min	C-Min	None	C-Min
Act Effct Green (s)	11.9	11.9	17.5	17.5	14.7	56.5	56.5	6.1	44.2
Actuated g/C Ratio	0.11	0.11	0.16	0.16	0.14	0.52	0.52	0.06	0.41
v/c Ratio	0.64	0.78	0.42	0.11	0.74	0.23	0.18	0.25	0.62
Control Delay	60.1	15.4	42.8	20.3	47.6	21.6	10.2	59.1	27.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	60.1	15.4	42.8	20.3	47.6	21.6	10.2	59.1	27.7
LOS	E	B	D	C	D	C	B	E	C
Approach Delay	25.9			37.9		28.2			28.6
Approach LOS	C			D		C			C

Intersection Summary	
Cycle Length: 108	
Actuated Cycle Length: 108	
Offset: 3 (3%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 90	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 28.4	Intersection LOS: C
Intersection Capacity Utilization 66.0%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 6: Mission Center Road & Westside Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	92	24	377	88	11	13	302	526	136	23	720	86
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.90	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	100	26	24	119	15	0	347	605	35	25	791	84
Adj No. of Lanes	0	1	1	1	1	0	2	3	1	1	2	0
Peak Hour Factor	0.92	0.92	0.92	0.74	0.74	0.74	0.87	0.87	0.87	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	126	33	126	245	257	0	406	2907	901	35	1527	162
Arrive On Green	0.09	0.09	0.09	0.14	0.14	0.00	0.24	1.00	1.00	0.04	0.95	0.95
Sat Flow, veh/h	1422	370	1426	1774	1863	0	3442	5085	1576	1774	3227	343
Grp Volume(v), veh/h	126	0	24	119	15	0	347	605	35	25	434	441
Grp Sat Flow(s),veh/h/ln	1792	0	1426	1774	1863	0	1721	1695	1576	1774	1770	1800
Q Serve(g_s), s	7.4	0.0	1.7	6.7	0.8	0.0	10.4	0.0	0.0	1.5	2.8	2.8
Cycle Q Clear(g_c), s	7.4	0.0	1.7	6.7	0.8	0.0	10.4	0.0	0.0	1.5	2.8	2.8
Prop In Lane	0.79		1.00	1.00		0.00	1.00		1.00	1.00		0.19
Lane Grp Cap(c), veh/h	158	0	126	245	257	0	406	2907	901	35	837	852
V/C Ratio(X)	0.80	0.00	0.19	0.49	0.06	0.00	0.86	0.21	0.04	0.72	0.52	0.52
Avail Cap(c_a), veh/h	250	0	199	452	474	0	545	2907	901	149	837	852
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	0.00	0.93	0.93	0.93	0.89	0.89	0.89
Uniform Delay (d), s/veh	48.3	0.0	45.6	43.0	40.5	0.0	40.4	0.0	0.0	51.6	1.6	1.6
Incr Delay (d2), s/veh	3.6	0.0	0.3	2.0	0.1	0.0	7.3	0.2	0.1	9.0	2.0	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	0.0	0.7	3.4	0.4	0.0	5.3	0.0	0.0	0.8	1.4	1.5
LnGrp Delay(d),s/veh	51.9	0.0	45.9	45.0	40.6	0.0	47.7	0.2	0.1	60.6	3.6	3.6
LnGrp LOS	D		D	D	D		D	A	A	E	A	A
Approach Vol, veh/h		150			134			987			900	
Approach Delay, s/veh		50.9			44.5			16.9			5.2	
Approach LOS		D			D			B			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.5	67.2		14.5	17.1	56.6		19.8
Change Period (Y+Rc), s	4.4	5.5		4.9	4.4	5.5		4.9
Max Green Setting (Gmax), s	9.1	36.6		15.1	17.1	28.6		27.5
Max Q Clear Time (g_c+I1), s	3.5	2.0		9.4	12.4	4.8		8.7
Green Ext Time (p_c), s	0.0	18.5		0.2	0.3	14.7		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	16.1
HCM 2010 LOS	B

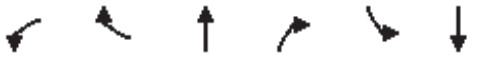
Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%		0%			0%
Storage Length (ft)	0	230		0	280	
Storage Lanes	2	1		1	2	
Taper Length (ft)	0				25	
Lane Util. Factor	0.97	0.91	0.95	1.00	0.97	0.95
Ped Bike Factor	1.00					
Frt	0.996	0.850		0.850		
Flt Protected	0.954				0.950	
Satd. Flow (prot)	3434	1441	3539	1583	3433	3539
Flt Permitted	0.954				0.950	
Satd. Flow (perm)	3428	1441	3539	1583	3433	3539
Right Turn on Red		Yes		Yes		
Satd. Flow (RTOR)	3	164		14		
Link Speed (mph)	45		45			45
Link Distance (ft)	1586		646			1193
Travel Time (s)	24.0		9.8			18.1

Intersection Summary	
Area Type:	Other



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Volume (vph)	461	140	1118	698	392	1191
Confl. Peds. (#/hr)	1					
Confl. Bikes (#/hr)						
Peak Hour Factor	0.77	0.77	0.89	0.89	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%		0%			0%
Adj. Flow (vph)	599	182	1256	784	417	1267
Shared Lane Traffic (%)		10%				
Lane Group Flow (vph)	617	164	1256	784	417	1267

Intersection Summary

Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	461	140	1118	698	392	1191
Turn Type	Prot	Perm	NA	pm+ov	Prot	NA
Protected Phases	8		2	8	1	6
Permitted Phases		8		2		
Detector Phase	8	8	2	8	1	6
Switch Phase						
Minimum Initial (s)	4.0	4.0	7.0	4.0	4.0	7.0
Minimum Split (s)	33.2	33.2	34.2	33.2	8.4	21.4
Total Split (s)	33.2	33.2	40.5	33.2	16.3	56.8
Total Split (%)	36.9%	36.9%	45.0%	36.9%	18.1%	63.1%
Yellow Time (s)	5.2	5.2	5.2	5.2	3.4	4.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.2	6.2	6.2	6.2	4.4	5.4
Lead/Lag			Lag		Lead	
Lead-Lag Optimize?			Yes		Yes	
Recall Mode	None	None	Min	None	None	Min
Act Effct Green (s)	20.0	20.0	32.2	58.4	11.9	49.3
Actuated g/C Ratio	0.25	0.25	0.40	0.72	0.15	0.61
v/c Ratio	0.73	0.34	0.89	0.68	0.83	0.59
Control Delay	33.5	6.3	33.3	9.6	51.0	11.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	33.5	6.3	33.3	9.6	51.0	11.7
LOS	C	A	C	A	D	B
Approach Delay	27.8		24.2			21.4
Approach LOS	C		C			C

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 81	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.89	
Intersection Signal Delay: 23.8	Intersection LOS: C
Intersection Capacity Utilization 70.7%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 7: Seaworld Drive & Friar Roads





Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (veh/h)	461	140	1118	698	392	1191
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	599	33	1256	773	417	1267
Adj No. of Lanes	2	1	2	1	2	2
Peak Hour Factor	0.77	0.77	0.89	0.89	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	713	318	1554	1014	497	2265
Arrive On Green	0.20	0.20	0.44	0.44	0.14	0.64
Sat Flow, veh/h	3548	1583	3632	1583	3442	3632
Grp Volume(v), veh/h	599	33	1256	773	417	1267
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770
Q Serve(g_s), s	12.7	1.3	24.1	26.8	9.2	15.7
Cycle Q Clear(g_c), s	12.7	1.3	24.1	26.8	9.2	15.7
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	713	318	1554	1014	497	2265
V/C Ratio(X)	0.84	0.10	0.81	0.76	0.84	0.56
Avail Cap(c_a), veh/h	1228	548	1556	1014	525	2331
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.0	25.4	19.0	9.9	32.5	7.9
Incr Delay (d2), s/veh	1.0	0.1	3.4	3.7	10.2	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	0.6	12.4	17.6	5.1	7.7
LnGrp Delay(d),s/veh	31.0	25.5	22.5	13.6	42.7	8.4
LnGrp LOS	C	C	C	B	D	A
Approach Vol, veh/h	632		2029			1684
Approach Delay, s/veh	30.7		19.1			16.9
Approach LOS	C		B			B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	15.7	40.5				56.1		21.9
Change Period (Y+Rc), s	4.4	6.2				* 6.2		6.2
Max Green Setting (Gmax), s	11.9	34.3				* 51		27.0
Max Q Clear Time (g_c+I1), s	11.2	28.8				17.7		14.7
Green Ext Time (p_c), s	0.1	5.5				32.3		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	19.9
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	220		0	0		190	0		0	0		120
Storage Lanes	1		0	0		1	0		0	2		1
Taper Length (ft)	25			0			25			0		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	1.00	1.00	0.97	1.00	1.00
Ped Bike Factor	1.00					0.98					0.61	0.96
Frt						0.850					0.850	0.850
Flt Protected	0.950									0.950		
Satd. Flow (prot)	1770	3539	0	0	3539	1583	0	1863	0	3433	0	1583
Flt Permitted	0.950									0.950		
Satd. Flow (perm)	1766	3539	0	0	3539	1554	0	1863	0	3433	0	1523
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						389					169	166
Link Speed (mph)		45			45			30			25	
Link Distance (ft)		3030			1815			196			747	
Travel Time (s)		45.9			27.5			4.5			20.4	

Intersection Summary	
Area Type:	Other



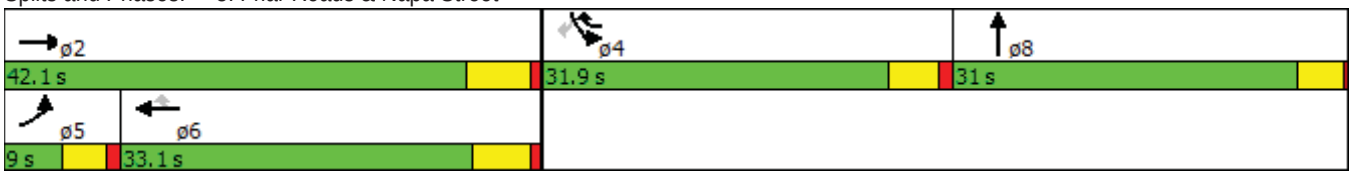
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	134	949	0	0	400	350	0	0	0	523	0	187
Confl. Peds. (#/hr)	3					3						23
Confl. Bikes (#/hr)						7						
Peak Hour Factor	0.88	0.88	0.92	0.92	0.90	0.90	0.92	0.92	0.92	0.91	0.92	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	152	1078	0	0	444	389	0	0	0	575	0	205
Shared Lane Traffic (%)												10%
Lane Group Flow (vph)	152	1078	0	0	444	389	0	0	0	575	21	184

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBT	SBR	ø8
Lane Configurations								
Volume (vph)	134	949	400	350	523	0	187	
Turn Type	Prot	NA	NA	pm+ov	Prot		Perm	
Protected Phases	5	2	6	4	4			8
Permitted Phases				6			4	
Detector Phase	5	2	6	4	4		4	
Switch Phase								
Minimum Initial (s)	4.0	7.0	7.0	4.0	4.0		4.0	4.0
Minimum Split (s)	8.4	30.0	32.6	31.9	31.9		31.9	31.0
Total Split (s)	9.0	42.1	33.1	31.9	31.9		31.9	31.0
Total Split (%)	8.6%	40.1%	31.5%	30.4%	30.4%		30.4%	30%
Yellow Time (s)	3.4	5.0	4.6	3.9	3.9		3.9	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0		1.0	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	
Total Lost Time (s)	4.4	6.0	5.6	4.9	4.9		4.9	
Lead/Lag	Lead		Lag					
Lead-Lag Optimize?	Yes		Yes					
Recall Mode	None	Min	Min	None	None		None	None
Act Effct Green (s)	4.8	25.6	16.7	37.1	19.7	0.0	19.7	
Actuated g/C Ratio	0.08	0.45	0.29	0.65	0.35	0.00	0.35	
v/c Ratio	1.02	0.67	0.43	0.34	0.48	0.12	0.29	
Control Delay	116.2	15.3	17.8	1.0	16.4	0.0	5.0	
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Delay	116.2	15.3	17.8	1.0	16.4	0.0	5.0	
LOS	F	B	B	A	B	A	A	
Approach Delay		27.8	10.0			13.3		
Approach LOS		C	A			B		

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 56.7	
Natural Cycle: 105	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.02	
Intersection Signal Delay: 18.6	Intersection LOS: B
Intersection Capacity Utilization 49.5%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 8: Friar Roads & Napa Street



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	134	949	0	0	400	350	0	0	0	523	0	187
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	0	1863	0	1863
Adj Flow Rate, veh/h	152	1078	0	0	444	339	0	0	0	200	106	64514368
Adj No. of Lanes	1	2	0	0	2	1	0	1	0	7600803	21	18384720
Peak Hour Factor	0.88	0.88	0.92	0.92	0.90	0.90	0.92	0.92	0.92	0.91	0.92	0.91
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	0	2	0	2
Cap, veh/h	175	2431	0	0	1747	894	0	4	107	70309888	0	0
Arrive On Green	0.10	0.69	0.00	0.00	0.49	0.49	0.00	0.00	0.00	0.08	0.00	0.00
Sat Flow, veh/h	1774	3632	0	0	3632	1557	0	-74510	1348	84151808	200	
Grp Volume(v), veh/h	152	1078	0	0	444	339	0	0	0	200	0.0	
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1770	1557	0	1863	0	1774	A	
Q Serve(g_s), s	3.9	6.4	0.0	0.0	3.4	5.5	0.0	0.0	0.0	0.0		
Cycle Q Clear(g_c), s	3.9	6.4	0.0	0.0	3.4	5.5	0.0	0.0	0.0	0.0		
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	1.00		
Lane Grp Cap(c), veh/h	175	2431	0	0	1747	894	0	4	107	70309888		
V/C Ratio(X)	0.87	0.44	0.00	0.00	0.25	0.38	0.00	0.00	0.00	0.00		
Avail Cap(c_a), veh/h	175	2741	0	0	2088	1044	0	1079	781	10852352		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00		
Uniform Delay (d), s/veh	20.7	3.3	0.0	0.0	6.8	5.4	0.0	0.0	0.0	0.0		
Incr Delay (d2), s/veh	33.0	0.2	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	3.5	3.1	0.0	0.0	1.6	2.8	0.0	0.0	0.0	0.0		
LnGrp Delay(d),s/veh	53.7	3.5	0.0	0.0	6.9	5.8	0.0	0.0	0.0	0.0		
LnGrp LOS	D	A			A	A				A		
Approach Vol, veh/h		1230			783			0				
Approach Delay, s/veh		9.7			6.5			0.0				
Approach LOS		A			A							

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6	7	8
Phs Duration (G+Y+Rc), s		38.0			9.0	29.0	8.6	0.0
Change Period (Y+Rc), s		6.0			4.4	* 6	4.9	4.0
Max Green Setting (Gmax), s		36.1			4.6	* 28	27.0	27.0
Max Q Clear Time (g_c+I1), s		8.4			5.9	7.5	2.0	0.0
Green Ext Time (p_c), s		19.8			0.0	15.4	1.6	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	7.7
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	160		0	200		0	60		0	40		0
Storage Lanes	1		0	1		0	0		1	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99	1.00		1.00	1.00				0.98	0.99		
Frt		0.995			0.990				0.850		0.874	
Flt Protected	0.950			0.950				0.954		0.950		
Satd. Flow (prot)	1770	3516	0	1770	3493	0	0	1777	1583	1770	1628	0
Flt Permitted	0.950			0.950				0.727		0.731		
Satd. Flow (perm)	1753	3516	0	1764	3493	0	0	1354	1553	1354	1628	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4			9				143		64	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1815			947			569			1557	
Travel Time (s)		27.5			14.3			15.5			42.5	

Intersection Summary	
Area Type:	Other



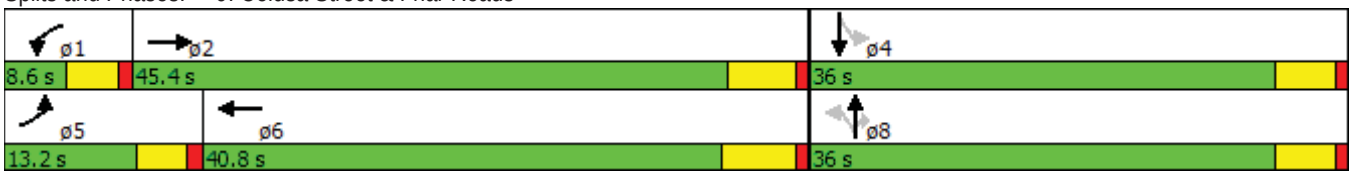
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	56	1375	43	34	632	45	28	1	14	139	9	49
Confl. Peds. (#/hr)	9		14	14		9			7	7		
Confl. Bikes (#/hr)			5			3			2			
Peak Hour Factor	0.92	0.92	0.92	0.95	0.95	0.95	0.72	0.72	0.72	0.76	0.76	0.76
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	61	1495	47	36	665	47	39	1	19	183	12	64
Shared Lane Traffic (%)												
Lane Group Flow (vph)	61	1542	0	36	712	0	0	40	19	183	76	0

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	56	1375	34	632	28	1	14	139	9
Turn Type	Prot	NA	Prot	NA	Perm	NA	Perm	Perm	NA
Protected Phases	5	2	1	6		8			4
Permitted Phases					8		8	4	
Detector Phase	5	2	1	6	8	8	8	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	29.7	8.4	24.0	20.0	20.0	20.0	35.9	35.9
Total Split (s)	13.2	45.4	8.6	40.8	36.0	36.0	36.0	36.0	36.0
Total Split (%)	14.7%	50.4%	9.6%	45.3%	40.0%	40.0%	40.0%	40.0%	40.0%
Yellow Time (s)	3.4	4.7	3.4	5.0	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.7	4.4	6.0		4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lead	Lag					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	None	Min	None	Min	None	None	None	None	None
Act Effct Green (s)	6.7	40.6	4.3	38.3		15.4	15.4	15.4	15.4
Actuated g/C Ratio	0.09	0.57	0.06	0.53		0.22	0.22	0.22	0.22
v/c Ratio	0.37	0.77	0.34	0.38		0.14	0.04	0.63	0.19
Control Delay	40.1	18.7	46.2	13.3		23.2	0.2	35.2	9.2
Queue Delay	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Total Delay	40.1	18.7	46.2	13.3		23.2	0.2	35.2	9.2
LOS	D	B	D	B		C	A	D	A
Approach Delay		19.5		14.9		15.8			27.6
Approach LOS		B		B		B			C

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 71.6	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.77	
Intersection Signal Delay: 18.9	Intersection LOS: B
Intersection Capacity Utilization 69.6%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 9: Colusa Street & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	56	1375	43	34	632	45	28	1	14	139	9	49
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.97	0.99		1.00	0.99		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	61	1495	47	36	665	42	39	1	0	183	12	11
Adj No. of Lanes	1	2	0	1	2	0	0	1	1	1	1	0
Peak Hour Factor	0.92	0.92	0.92	0.95	0.95	0.95	0.72	0.72	0.72	0.76	0.76	0.76
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	77	1962	62	51	1842	116	339	7	295	378	166	152
Arrive On Green	0.04	0.56	0.56	0.03	0.55	0.55	0.19	0.19	0.00	0.19	0.19	0.19
Sat Flow, veh/h	1774	3498	110	1774	3373	213	1263	40	1583	1396	891	817
Grp Volume(v), veh/h	61	755	787	36	349	358	40	0	0	183	0	23
Grp Sat Flow(s),veh/h/ln	1774	1770	1839	1774	1770	1816	1302	0	1583	1396	0	1708
Q Serve(g_s), s	2.3	22.3	22.5	1.4	7.6	7.6	1.6	0.0	0.0	5.3	0.0	0.8
Cycle Q Clear(g_c), s	2.3	22.3	22.5	1.4	7.6	7.6	2.4	0.0	0.0	7.7	0.0	0.8
Prop In Lane	1.00		0.06	1.00		0.12	0.97		1.00	1.00		0.48
Lane Grp Cap(c), veh/h	77	992	1031	51	967	992	347	0	295	378	0	318
V/C Ratio(X)	0.79	0.76	0.76	0.70	0.36	0.36	0.12	0.00	0.00	0.48	0.00	0.07
Avail Cap(c_a), veh/h	229	1029	1070	109	967	992	718	0	722	754	0	778
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	32.3	11.5	11.5	32.8	8.8	8.8	23.8	0.0	0.0	25.6	0.0	22.9
Incr Delay (d2), s/veh	6.5	5.0	4.9	6.3	1.0	1.0	0.1	0.0	0.0	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	12.1	12.6	0.8	4.0	4.1	0.6	0.0	0.0	3.2	0.0	0.4
LnGrp Delay(d),s/veh	38.8	16.5	16.4	39.1	9.8	9.8	23.9	0.0	0.0	25.9	0.0	23.0
LnGrp LOS	D	B	B	D	A	A	C			C		C
Approach Vol, veh/h		1603			743			40			206	
Approach Delay, s/veh		17.3			11.2			23.9			25.6	
Approach LOS		B			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.4	44.3		17.6	7.4	43.3		17.6
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0		4.9
Max Green Setting (Gmax), s	4.2	* 40		31.1	8.8	34.8		31.1
Max Q Clear Time (g_c+I1), s	3.4	24.5		9.7	4.3	9.6		4.4
Green Ext Time (p_c), s	0.0	13.8		0.5	0.0	24.1		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	16.3
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	190			200	115	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00
Ped Bike Factor	0.99			0.95		
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	3539	3539	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1749	3539	3539	1499	1770	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				253		155
Link Speed (mph)		45	45		25	
Link Distance (ft)		1011	1038		405	
Travel Time (s)		15.3	15.7		11.0	

Intersection Summary	
Area Type:	Other



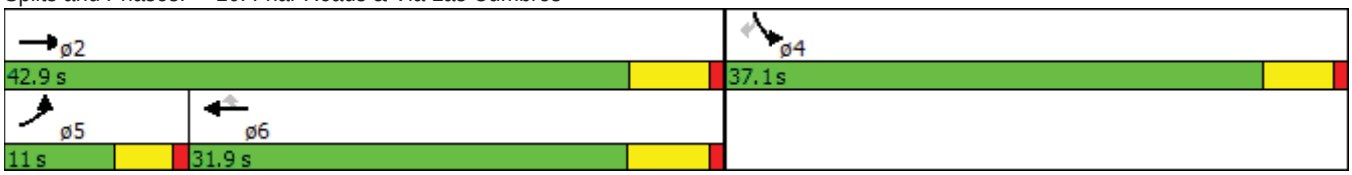
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	187	1282	652	240	360	129
Confl. Peds. (#/hr)	20			20		
Confl. Bikes (#/hr)				3		
Peak Hour Factor	0.93	0.93	0.95	0.95	0.83	0.83
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	201	1378	686	253	434	155
Shared Lane Traffic (%)						
Lane Group Flow (vph)	201	1378	686	253	434	155

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	187	1282	652	240	360	129
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	10.0	10.0	10.0	4.0	4.0
Minimum Split (s)	8.4	21.7	31.9	31.9	37.1	37.1
Total Split (s)	11.0	42.9	31.9	31.9	37.1	37.1
Total Split (%)	13.8%	53.6%	39.9%	39.9%	46.4%	46.4%
Yellow Time (s)	3.4	4.7	4.9	4.9	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.7	5.9	5.9	5.1	5.1
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	6.9	29.1	17.4	17.4	19.8	19.8
Actuated g/C Ratio	0.11	0.48	0.29	0.29	0.33	0.33
v/c Ratio	0.99	0.81	0.67	0.41	0.75	0.25
Control Delay	98.1	18.8	23.1	5.2	27.2	4.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	98.1	18.8	23.1	5.2	27.2	4.3
LOS	F	B	C	A	C	A
Approach Delay		28.9	18.3		21.1	
Approach LOS		C	B		C	

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 60.2	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.99	
Intersection Signal Delay: 24.2	Intersection LOS: C
Intersection Capacity Utilization 64.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 10: Friar Roads & Via Las Cumbres





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	187	1282	652	240	360	129
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.95	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	201	1378	686	74	434	41
Adj No. of Lanes	1	2	2	1	1	1
Peak Hour Factor	0.93	0.93	0.95	0.95	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	193	1910	1267	538	494	441
Arrive On Green	0.11	0.54	0.36	0.36	0.28	0.28
Sat Flow, veh/h	1774	3632	3632	1504	1774	1583
Grp Volume(v), veh/h	201	1378	686	74	434	41
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1504	1774	1583
Q Serve(g_s), s	6.6	17.8	9.3	2.0	14.1	1.2
Cycle Q Clear(g_c), s	6.6	17.8	9.3	2.0	14.1	1.2
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	193	1910	1267	538	494	441
V/C Ratio(X)	1.04	0.72	0.54	0.14	0.88	0.09
Avail Cap(c_a), veh/h	193	2176	1521	646	938	837
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.0	10.5	15.5	13.1	20.9	16.2
Incr Delay (d2), s/veh	75.3	0.9	0.2	0.1	2.0	0.0
Initial Q Delay(d3),s/veh	0.1	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.2	8.9	4.6	0.8	7.2	1.2
LnGrp Delay(d),s/veh	102.3	11.4	15.7	13.2	22.9	16.2
LnGrp LOS	F	B	B	B	C	B
Approach Vol, veh/h		1579	760		475	
Approach Delay, s/veh		23.0	15.5		22.3	
Approach LOS		C	B		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		38.6		21.9	11.0	27.6		
Change Period (Y+Rc), s		* 5.9		5.1	4.4	5.9		
Max Green Setting (Gmax), s		* 37		32.0	6.6	26.0		
Max Q Clear Time (g_c+I1), s		19.8		16.1	8.6	11.3		
Green Ext Time (p_c), s		10.7		0.7	0.0	9.5		

Intersection Summary	
HCM 2010 Ctrl Delay	20.8
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	180		0	200		0	0		190	0		0
Storage Lanes	1		0	2		0	0		1	0		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99	1.00		1.00	1.00			0.99	0.98		0.99	
Frt		0.974			0.997				0.850		0.977	
Flt Protected	0.950			0.950				0.953			0.972	
Satd. Flow (prot)	1770	4931	0	3433	3525	0	0	1775	1583	0	1761	0
Flt Permitted	0.950			0.950				0.722			0.850	
Satd. Flow (perm)	1743	4931	0	3429	3525	0	0	1325	1555	0	1537	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		39			2				59		2	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1079			674			1337			329	
Travel Time (s)		16.3			10.2			36.5			9.0	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	7	1469	312	197	739	13	240	5	289	6	3	2
Confl. Peds. (#/hr)	9		6	6		9	13		5	5		13
Confl. Bikes (#/hr)			3			3						
Peak Hour Factor	0.90	0.90	0.90	0.97	0.97	0.97	0.91	0.91	0.91	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	8	1632	347	203	762	13	264	5	318	7	3	2
Shared Lane Traffic (%)												
Lane Group Flow (vph)	8	1979	0	203	775	0	0	269	318	0	12	0

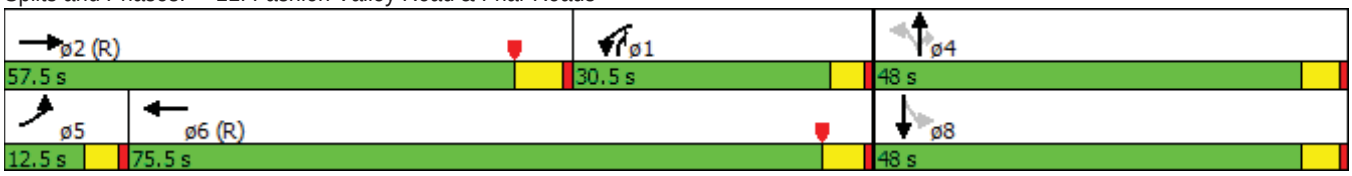
Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	7	1469	197	739	240	5	289	6	3
Turn Type	Prot	NA	Prot	NA	Perm	NA	pm+ov	Perm	NA
Protected Phases	5	2	1	6		4	1		8
Permitted Phases					4		4	8	
Detector Phase	5	2	1	6	4	4	1	8	8
Switch Phase									
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	26.9	8.4	19.3	39.9	39.9	8.4	39.9	39.9
Total Split (s)	12.5	57.5	30.5	75.5	48.0	48.0	30.5	48.0	48.0
Total Split (%)	9.2%	42.3%	22.4%	55.5%	35.3%	35.3%	22.4%	35.3%	35.3%
Yellow Time (s)	3.4	4.9	3.4	4.3	3.9	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Lost Time (s)	4.4	5.9	4.4	5.3		4.9	4.4		4.9
Lead/Lag	Lead	Lead	Lag	Lag			Lag		
Lead-Lag Optimize?	Yes	Yes	Yes	Yes			Yes		
Recall Mode	None	C-Min	None	C-Min	None	None	None	None	None
Act Effct Green (s)	5.3	67.5	21.0	91.4		32.3	53.8		24.3
Actuated g/C Ratio	0.04	0.50	0.15	0.67		0.24	0.40		0.18
v/c Ratio	0.12	0.80	0.38	0.33		0.86	0.49		0.04
Control Delay	66.3	32.9	49.8	10.0		73.6	23.1		31.7
Queue Delay	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Delay	66.3	32.9	49.8	10.0		73.6	23.1		31.7
LOS	E	C	D	B		E	C		C
Approach Delay		33.0		18.3		46.2			31.7
Approach LOS		C		B		D			C

Intersection Summary

Cycle Length: 136
Actuated Cycle Length: 136
Offset: 40 (29%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 90
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.86
Intersection Signal Delay: 31.1 — Intersection LOS: C
Intersection Capacity Utilization 79.0% — ICU Level of Service D
Analysis Period (min) 15

Splits and Phases: 11: Fashion Valley Road & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	7	1469	312	197	739	13	240	5	289	6	3	2
Number	5	2	12	1	6	16	7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	0.99		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	8	1632	319	203	762	13	264	5	252	7	3	2
Adj No. of Lanes	1	3	0	2	2	0	0	1	1	0	1	0
Peak Hour Factor	0.90	0.90	0.90	0.97	0.97	0.97	0.91	0.91	0.91	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	14	1612	312	817	2207	38	343	5	425	60	24	8
Arrive On Green	0.01	0.38	0.38	0.47	1.00	1.00	0.26	0.26	0.26	0.26	0.26	0.26
Sat Flow, veh/h	1774	4250	823	3442	3560	61	1095	21	1560	69	89	32
Grp Volume(v), veh/h	8	1299	652	203	379	396	269	0	252	12	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1683	1721	1770	1851	1116	0	1560	190	0	0
Q Serve(g_s), s	0.6	51.6	51.6	4.8	0.0	0.0	0.0	0.0	19.1	0.3	0.0	0.0
Cycle Q Clear(g_c), s	0.6	51.6	51.6	4.8	0.0	0.0	32.8	0.0	19.1	33.1	0.0	0.0
Prop In Lane	1.00		0.49	1.00		0.03	0.98		1.00	0.58		0.17
Lane Grp Cap(c), veh/h	14	1286	638	817	1097	1148	348	0	425	92	0	0
V/C Ratio(X)	0.59	1.01	1.02	0.25	0.35	0.35	0.77	0.00	0.59	0.13	0.00	0.00
Avail Cap(c_a), veh/h	106	1286	638	817	1097	1148	421	0	507	160	0	0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.96	0.96	0.96	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	67.3	42.2	42.2	28.5	0.0	0.0	48.8	0.0	42.9	40.6	0.0	0.0
Incr Delay (d2), s/veh	14.1	27.5	41.1	0.1	0.8	0.8	6.0	0.0	0.7	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	29.0	31.2	2.3	0.3	0.3	10.4	0.0	8.3	0.3	0.0	0.0
LnGrp Delay(d),s/veh	81.3	69.7	83.3	28.6	0.8	0.8	54.8	0.0	43.6	41.0	0.0	0.0
LnGrp LOS	F	F	F	C	A	A	D		D	D		
Approach Vol, veh/h		1959			978			521			12	
Approach Delay, s/veh		74.3			6.6			49.4			41.0	
Approach LOS		E			A			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	37.6	57.5		40.9	5.4	89.6		40.9
Change Period (Y+Rc), s	5.3	* 5.9		4.9	4.4	5.3		4.9
Max Green Setting (Gmax), s	26.1	* 52		43.1	8.1	70.2		43.1
Max Q Clear Time (g_c+I1), s	6.8	53.6		34.8	2.6	2.0		35.1
Green Ext Time (p_c), s	5.7	0.0		1.3	0.0	7.0		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	51.3
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	140		0	300		0	0		0	0		0
Storage Lanes	1		0	2		0	1		1	0		0
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00		1.00								
Frt		0.995							0.850			
Flt Protected	0.950			0.950			0.950					
Satd. Flow (prot)	1770	5056	0	3433	3539	0	1770	0	1583	0	0	0
Flt Permitted	0.950			0.950			0.950					
Satd. Flow (perm)	1770	5056	0	3432	3539	0	1770	0	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4							299			
Link Speed (mph)		45			45			25			30	
Link Distance (ft)		674			1326			591			186	
Travel Time (s)		10.2			20.1			16.1			4.2	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	5	1670	56	235	889	0	42	0	242	0	0	0
Confl. Peds. (#/hr)			1	1								
Confl. Bikes (#/hr)			12									
Peak Hour Factor	0.92	0.97	0.97	0.94	0.94	0.92	0.81	0.92	0.81	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	5	1722	58	250	946	0	52	0	299	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	5	1780	0	250	946	0	52	0	299	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (vph)	5	1670	235	889	42	242
Turn Type	Prot	NA	Prot	NA	Prot	Perm
Protected Phases	5	2	1	6	8	
Permitted Phases						8
Detector Phase	5	2	1	6	8	8
Switch Phase						
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0
Minimum Split (s)	8.0	21.4	20.4	21.3	20.4	20.4
Total Split (s)	12.0	62.0	39.0	89.0	35.0	35.0
Total Split (%)	8.8%	45.6%	28.7%	65.4%	25.7%	25.7%
Yellow Time (s)	3.5	4.4	3.4	4.3	3.4	3.4
All-Red Time (s)	0.5	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	5.4	4.4	5.3	4.4	4.4
Lead/Lag	Lead	Lag	Lead	Lag		
Lead-Lag Optimize?	Yes	Yes	Yes	Yes		
Recall Mode	None	C-Min	None	C-Min	None	None
Act Effct Green (s)	6.0	98.1	14.3	114.8	9.3	9.3
Actuated g/C Ratio	0.04	0.72	0.11	0.84	0.07	0.07
v/c Ratio	0.06	0.49	0.69	0.32	0.43	0.77
Control Delay	52.4	5.9	64.4	3.3	70.0	20.3
Queue Delay	0.0	0.1	0.0	0.0	0.0	0.0
Total Delay	52.4	6.0	64.4	3.3	70.0	20.3
LOS	D	A	E	A	E	C
Approach Delay		6.1		16.1		
Approach LOS		A		B		

Intersection Summary	
Cycle Length: 136	
Actuated Cycle Length: 136	
Offset: 63 (46%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 75	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.77	
Intersection Signal Delay: 11.9	Intersection LOS: B
Intersection Capacity Utilization 56.7%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 12: Via De La Moda & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	5	1670	56	235	889	0	42	0	242	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	0	1863	0	1863			
Adj Flow Rate, veh/h	5	1722	58	250	946	0	52	0	15			
Adj No. of Lanes	1	3	0	2	2	0	1	0	1			
Peak Hour Factor	0.92	0.97	0.97	0.94	0.94	0.92	0.81	0.92	0.81			
Percent Heavy Veh, %	2	2	2	2	2	0	2	0	2			
Cap, veh/h	9	3872	130	302	3018	0	72	0	64			
Arrive On Green	0.01	1.00	1.00	0.18	1.00	0.00	0.04	0.00	0.04			
Sat Flow, veh/h	1774	5048	170	3442	3632	0	1774	0	1583			
Grp Volume(v), veh/h	5	1156	624	250	946	0	52	0	15			
Grp Sat Flow(s),veh/h/ln	1774	1695	1827	1721	1770	0	1774	0	1583			
Q Serve(g_s), s	0.4	0.0	0.0	9.5	0.0	0.0	3.9	0.0	1.2			
Cycle Q Clear(g_c), s	0.4	0.0	0.0	9.5	0.0	0.0	3.9	0.0	1.2			
Prop In Lane	1.00		0.09	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	9	2601	1402	302	3018	0	72	0	64			
V/C Ratio(X)	0.56	0.44	0.45	0.83	0.31	0.00	0.72	0.00	0.23			
Avail Cap(c_a), veh/h	104	2601	1402	876	3018	0	399	0	356			
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.57	0.57	0.57	0.97	0.97	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	67.2	0.0	0.0	55.1	0.0	0.0	64.5	0.0	63.2			
Incr Delay (d2), s/veh	27.1	0.3	0.6	2.2	0.3	0.0	4.9	0.0	0.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.3	0.1	0.2	4.6	0.1	0.0	2.0	0.0	0.6			
LnGrp Delay(d),s/veh	94.3	0.3	0.6	57.2	0.3	0.0	69.4	0.0	63.9			
LnGrp LOS	F	A	A	E	A		E		E			
Approach Vol, veh/h		1785			1196			67				
Approach Delay, s/veh		0.7			12.2			68.2				
Approach LOS		A			B			E				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2			5	6		8
Phs Duration (G+Y+Rc), s	16.3	109.7			4.7	121.4		9.9
Change Period (Y+Rc), s	4.4	5.4			4.0	* 5.4		4.4
Max Green Setting (Gmax), s	34.6	56.6			8.0	* 84		30.6
Max Q Clear Time (g_c+I1), s	11.5	2.0			2.4	2.0		5.9
Green Ext Time (p_c), s	0.4	41.1			0.0	54.5		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	6.7
HCM 2010 LOS	A

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	150		0	410		0	0		0	0		0
Storage Lanes	1		0	2		0	1		1	1		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	0.91	0.97	0.91	0.91	1.00	0.95	0.95	1.00	1.00	1.00
Ped Bike Factor		1.00		1.00	1.00		0.99	0.99	0.99		0.98	
Frt		0.996			0.996			0.851	0.850		0.850	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	5063	0	3433	5062	0	1770	1486	1504	1770	1547	0
Flt Permitted	0.950			0.950			0.752			0.310		
Satd. Flow (perm)	1770	5063	0	3433	5062	0	1386	1486	1484	577	1547	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		3			6			156	156		194	
Link Speed (mph)		45			45			25			25	
Link Distance (ft)		1326			818			332			302	
Travel Time (s)		20.1			12.4			9.1			8.2	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	22	1956	47	492	1049	27	37	1	275	18	0	3
Confl. Peds. (#/hr)			1	1			8					8
Confl. Bikes (#/hr)			10			2			1			
Peak Hour Factor	0.92	0.92	0.92	0.96	0.96	0.96	0.88	0.88	0.88	0.38	0.38	0.38
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	24	2126	51	512	1093	28	42	1	312	47	0	8
Shared Lane Traffic (%)									50%			
Lane Group Flow (vph)	24	2177	0	512	1121	0	42	157	156	47	8	0

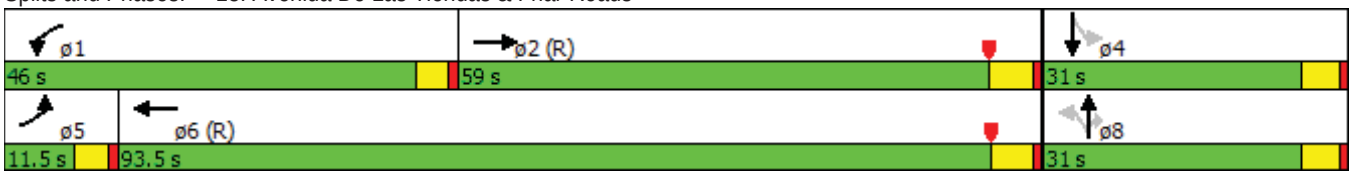
Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations									
Volume (vph)	22	1956	492	1049	37	1	275	18	0
Turn Type	Prot	NA	Prot	NA	Perm	NA	Perm	Perm	NA
Protected Phases	5	2	1	6		8			4
Permitted Phases					8		8	4	
Detector Phase	5	2	1	6	8	8	8	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	30.4	8.4	23.3	20.9	20.9	20.9	34.9	34.9
Total Split (s)	11.5	59.0	46.0	93.5	31.0	31.0	31.0	31.0	31.0
Total Split (%)	8.5%	43.4%	33.8%	68.8%	22.8%	22.8%	22.8%	22.8%	22.8%
Yellow Time (s)	3.4	4.4	3.4	4.3	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.4	4.4	5.3	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lead	Lag					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes					
Recall Mode	None	C-Min	None	C-Min	None	None	None	None	None
Act Effct Green (s)	6.1	83.4	24.9	106.1	12.9	12.9	12.9	12.9	12.9
Actuated g/C Ratio	0.04	0.61	0.18	0.78	0.09	0.09	0.09	0.09	0.09
v/c Ratio	0.30	0.70	0.81	0.28	0.32	0.56	0.55	0.87	0.02
Control Delay	78.6	13.1	63.9	5.7	60.2	15.4	15.1	146.0	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	78.6	13.1	63.9	5.7	60.2	15.4	15.1	146.0	0.0
LOS	E	B	E	A	E	B	B	F	A
Approach Delay		13.8		23.9		20.5			124.8
Approach LOS		B		C		C			F

Intersection Summary

Cycle Length: 136
Actuated Cycle Length: 136
Offset: 71 (52%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 110
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.87
Intersection Signal Delay: 19.7 Intersection LOS: B
Intersection Capacity Utilization 76.8% ICU Level of Service D
Analysis Period (min) 15

Splits and Phases: 13: Avenida De Las Tiendas & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	22	1956	47	492	1049	27	37	1	275	18	0	3
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	0.97		0.96	0.98		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	24	2126	51	512	1093	28	42	0	171	47	0	0
Adj No. of Lanes	1	3	0	2	3	0	1	0	2	1	1	0
Peak Hour Factor	0.92	0.92	0.92	0.96	0.96	0.96	0.88	0.88	0.88	0.38	0.38	0.38
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	31	3232	77	574	3987	102	180	0	280	162	172	0
Arrive On Green	0.01	0.42	0.42	0.17	0.78	0.78	0.09	0.00	0.09	0.09	0.00	0.00
Sat Flow, veh/h	1774	5107	122	3442	5096	130	1375	0	3040	1184	1863	0
Grp Volume(v), veh/h	24	1410	767	512	727	394	42	0	171	47	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1839	1721	1695	1836	1375	0	1520	1184	1863	0
Q Serve(g_s), s	1.8	45.2	45.3	19.8	8.1	8.1	3.9	0.0	7.4	5.1	0.0	0.0
Cycle Q Clear(g_c), s	1.8	45.2	45.3	19.8	8.1	8.1	3.9	0.0	7.4	5.1	0.0	0.0
Prop In Lane	1.00		0.07	1.00		0.07	1.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	31	2146	1164	574	2652	1437	180	0	280	162	172	0
V/C Ratio(X)	0.77	0.66	0.66	0.89	0.27	0.27	0.23	0.00	0.61	0.29	0.00	0.00
Avail Cap(c_a), veh/h	93	2146	1164	1053	2652	1437	317	0	584	280	357	0
HCM Platoon Ratio	0.67	0.67	0.67	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.84	0.84	0.84	0.62	0.62	0.62	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	66.9	27.4	27.4	55.4	4.1	4.1	57.8	0.0	59.4	58.4	0.0	0.0
Incr Delay (d2), s/veh	11.8	1.3	2.5	1.2	0.2	0.3	0.2	0.0	0.8	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	21.5	23.9	9.6	3.8	4.2	1.5	0.0	3.1	1.7	0.0	0.0
LnGrp Delay(d),s/veh	78.7	28.7	29.9	56.7	4.3	4.4	58.1	0.0	60.2	58.7	0.0	0.0
LnGrp LOS	E	C	C	E	A	A	E		E	E		
Approach Vol, veh/h		2201			1633			213			47	
Approach Delay, s/veh		29.7			20.7			59.8			58.7	
Approach LOS		C			C			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	27.1	91.5		17.4	6.8	111.8		17.4
Change Period (Y+Rc), s	4.4	5.4		4.9	4.4	* 5.4		4.9
Max Green Setting (Gmax), s	41.6	53.6		26.1	7.1	* 88		26.1
Max Q Clear Time (g_c+I1), s	21.8	47.3		7.1	3.8	10.1		9.4
Green Ext Time (p_c), s	0.9	6.1		0.5	0.0	64.8		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	28.0
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		100	0		0	0		300	0		260
Storage Lanes	1		1	0		1	0		1	1		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	1.00	0.95	0.95	1.00	0.95	0.95	1.00
Ped Bike Factor			0.98			0.99		1.00	0.99	1.00	1.00	0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950							0.958		0.950	0.953	
Satd. Flow (prot)	1770	5085	1583	0	5085	1583	0	3391	1583	1681	1686	1583
Flt Permitted	0.950							0.958		0.950	0.953	
Satd. Flow (perm)	1770	5085	1551	0	5085	1561	0	3388	1564	1680	1685	1559
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			133			631			171			136
Link Speed (mph)		45			45			40			40	
Link Distance (ft)		818			1167			458			1120	
Travel Time (s)		12.4			17.7			7.8			19.1	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	119	1738	706	0	1136	618	335	47	837	394	2	158
Confl. Peds. (#/hr)							1		1	1		1
Confl. Bikes (#/hr)			1			5						2
Peak Hour Factor	0.94	0.94	0.94	0.98	0.98	0.98	0.87	0.87	0.87	0.74	0.74	0.74
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	127	1849	751	0	1159	631	385	54	962	532	3	214
Shared Lane Traffic (%)										50%		
Lane Group Flow (vph)	127	1849	751	0	1159	631	0	439	962	266	269	214

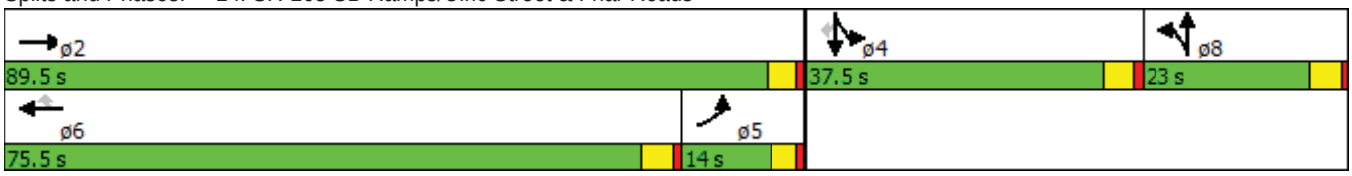
Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	119	1738	706	1136	618	47	837	394	2	158
Turn Type	Prot	NA	Free	NA	Perm	NA	Free	Split	NA	Perm
Protected Phases	5	2		6		8		4	4	
Permitted Phases			Free		6		Free			4
Detector Phase	5	2		6	6	8		4	4	4
Switch Phase										
Minimum Initial (s)	2.0	10.0		10.0	10.0	4.0		4.0	4.0	4.0
Minimum Split (s)	8.0	22.5		20.0	20.0	20.0		37.5	37.5	37.5
Total Split (s)	14.0	89.5		75.5	75.5	23.0		37.5	37.5	37.5
Total Split (%)	9.3%	59.7%		50.3%	50.3%	15.3%		25.0%	25.0%	25.0%
Yellow Time (s)	3.0	3.5		3.5	3.5	3.5		3.5	3.5	3.5
All-Red Time (s)	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	4.0	4.5		4.5	4.5	4.5		4.5	4.5	4.5
Lead/Lag	Lag			Lead	Lead					
Lead-Lag Optimize?	Yes			Yes	Yes					
Recall Mode	None	Min		Min	Min	None		None	None	None
Act Effct Green (s)	18.9	56.7	112.4	33.6	33.6	19.1	112.4	22.7	22.7	22.7
Actuated g/C Ratio	0.17	0.50	1.00	0.30	0.30	0.17	1.00	0.20	0.20	0.20
v/c Ratio	0.43	0.72	0.48	0.76	0.69	1.28dl	0.62	0.79	0.79	0.51
Control Delay	49.7	23.6	1.1	40.0	7.1	56.8	1.8	61.2	61.7	20.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.7	23.6	1.1	40.0	7.1	56.8	1.8	61.2	61.7	20.7
LOS	D	C	A	D	A	E	A	E	E	C
Approach Delay		18.6		28.4		19.1			49.8	
Approach LOS		B		C		B			D	

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 112.4	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.79	
Intersection Signal Delay: 24.8	Intersection LOS: C
Intersection Capacity Utilization 74.3%	ICU Level of Service D
Analysis Period (min) 15	

dl Defacto Left Lane. Recode with 1 though lane as a left lane.

Splits and Phases: 14: SR-163 SB Ramps/Ulric Street & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	119	1738	706	0	1136	618	335	47	837	394	2	158
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	0	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	127	1849	0	0	1159	294	385	54	0	534	0	72
Adj No. of Lanes	1	3	1	0	3	1	0	2	1	2	0	1
Peak Hour Factor	0.94	0.94	0.94	0.98	0.98	0.98	0.87	0.87	0.87	0.74	0.74	0.74
Percent Heavy Veh, %	2	2	2	0	2	2	2	2	2	2	2	2
Cap, veh/h	245	2630	819	0	1710	524	314	313	280	628	0	276
Arrive On Green	0.14	0.52	0.00	0.00	0.34	0.34	0.18	0.18	0.00	0.18	0.00	0.18
Sat Flow, veh/h	1774	5085	1583	0	5253	1559	1774	1770	1583	3548	0	1558
Grp Volume(v), veh/h	127	1849	0	0	1159	294	385	54	0	534	0	72
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	0	1695	1559	1774	1770	1583	1774	0	1558
Q Serve(g_s), s	7.0	28.9	0.0	0.0	20.5	16.1	18.5	2.7	0.0	15.3	0.0	4.2
Cycle Q Clear(g_c), s	7.0	28.9	0.0	0.0	20.5	16.1	18.5	2.7	0.0	15.3	0.0	4.2
Prop In Lane	1.00		1.00	0.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	245	2630	819	0	1710	524	314	313	280	628	0	276
V/C Ratio(X)	0.52	0.70	0.00	0.00	0.68	0.56	1.23	0.17	0.00	0.85	0.00	0.26
Avail Cap(c_a), veh/h	245	4130	1286	0	3450	1058	314	313	280	1119	0	491
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	41.9	19.2	0.0	0.0	29.9	28.4	43.1	36.6	0.0	41.7	0.0	37.2
Incr Delay (d2), s/veh	0.9	0.4	0.0	0.0	0.5	1.0	127.4	0.1	0.0	1.3	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	13.4	0.0	0.0	9.6	7.1	20.1	1.3	0.0	7.6	0.0	1.8
LnGrp Delay(d),s/veh	42.8	19.5	0.0	0.0	30.4	29.4	170.5	36.7	0.0	43.0	0.0	37.3
LnGrp LOS	D	B			C	C	F	D		D		D
Approach Vol, veh/h		1976			1453			439			606	
Approach Delay, s/veh		21.0			30.2			154.0			42.3	
Approach LOS		C			C			F			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		58.6		23.0	18.9	39.7		23.0
Change Period (Y+Rc), s		4.5		4.5	4.5	* 4.5		4.5
Max Green Setting (Gmax), s		85.0		33.0	10.0	* 71		18.5
Max Q Clear Time (g_c+I1), s		30.9		17.3	9.0	22.5		20.5
Green Ext Time (p_c), s		23.3		1.0	0.9	12.7		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	39.9
HCM 2010 LOS	D

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	260			0	0	0
Storage Lanes	1			1	0	0
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	0.91	0.95	1.00	1.00	1.00
Ped Bike Factor						
Frt				0.850		
Flt Protected	0.950					
Satd. Flow (prot)	1770	5085	3539	1583	0	0
Flt Permitted	0.950					
Satd. Flow (perm)	1770	5085	3539	1583	0	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				668		
Link Speed (mph)		45	45		45	
Link Distance (ft)		1167	746		946	
Travel Time (s)		17.7	11.3		14.3	

Intersection Summary	
Area Type:	Other



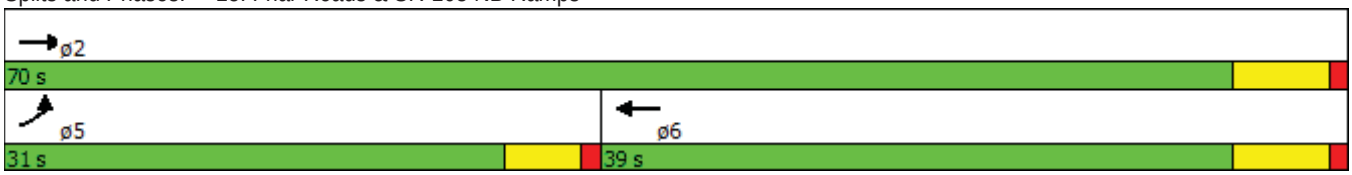
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	567	2356	1421	893	0	0
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.95	0.95	0.97	0.97	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	597	2480	1465	921	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	597	2480	1465	921	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR
Lane Configurations				
Volume (vph)	567	2356	1421	893
Turn Type	Prot	NA	NA	Free
Protected Phases	5	2	6	
Permitted Phases				Free
Detector Phase	5	2	6	
Switch Phase				
Minimum Initial (s)	5.0	12.0	12.0	
Minimum Split (s)	10.0	22.0	22.0	
Total Split (s)	31.0	70.0	39.0	
Total Split (%)	44.3%	100.0%	55.7%	
Yellow Time (s)	4.0	5.0	5.0	
All-Red Time (s)	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	
Total Lost Time (s)	5.0	6.0	6.0	
Lead/Lag	Lead		Lag	
Lead-Lag Optimize?	Yes		Yes	
Recall Mode	None	Min	Min	
Act Effct Green (s)	24.4	66.3	30.8	66.3
Actuated g/C Ratio	0.37	1.00	0.46	1.00
v/c Ratio	0.92	0.49	0.89	0.58
Control Delay	42.7	0.3	25.2	1.6
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	42.7	0.3	25.2	1.6
LOS	D	A	C	A
Approach Delay		8.6	16.1	
Approach LOS		A	B	

Intersection Summary	
Cycle Length: 70	
Actuated Cycle Length: 66.3	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.92	
Intersection Signal Delay: 11.8	Intersection LOS: B
Intersection Capacity Utilization 79.9%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 15: Friar Roads & SR-163 NB Ramps





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	567	2356	1421	893	0	0
Number	5	2	6	16		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00			1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863		
Adj Flow Rate, veh/h	597	2480	1465	0		
Adj No. of Lanes	1	3	2	1		
Peak Hour Factor	0.95	0.95	0.97	0.97		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	636	4638	1699	760		
Arrive On Green	0.36	0.91	0.48	0.00		
Sat Flow, veh/h	1774	5253	3632	1583		
Grp Volume(v), veh/h	597	2480	1465	0		
Grp Sat Flow(s),veh/h/ln	1774	1695	1770	1583		
Q Serve(g_s), s	22.2	5.7	25.0	0.0		
Cycle Q Clear(g_c), s	22.2	5.7	25.0	0.0		
Prop In Lane	1.00			1.00		
Lane Grp Cap(c), veh/h	636	4638	1699	760		
V/C Ratio(X)	0.94	0.53	0.86	0.00		
Avail Cap(c_a), veh/h	677	4774	1713	766		
HCM Platoon Ratio	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	0.00		
Uniform Delay (d), s/veh	21.1	0.5	15.7	0.0		
Incr Delay (d2), s/veh	19.8	0.1	4.5	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	14.3	2.3	13.1	0.0		
LnGrp Delay(d),s/veh	40.9	0.6	20.2	0.0		
LnGrp LOS	D	A	C			
Approach Vol, veh/h		3077	1465			
Approach Delay, s/veh		8.4	20.2			
Approach LOS		A	C			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		
Phs Duration (G+Y+Rc), s		68.2			29.4	38.7		
Change Period (Y+Rc), s		6.0			5.0	6.0		
Max Green Setting (Gmax), s		64.0			26.0	33.0		
Max Q Clear Time (g_c+I1), s		7.7			24.2	27.0		
Green Ext Time (p_c), s		42.0			0.3	5.7		

Intersection Summary	
HCM 2010 Ctrl Delay	12.2
HCM 2010 LOS	B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	200		0	130		0	200		200	140		0
Storage Lanes	2		1	1		1	2		0	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.91	1.00	1.00	0.91	1.00	0.97	0.95	0.95	0.97	1.00	1.00
Ped Bike Factor	1.00		0.92	1.00		0.96	1.00	0.97		0.98		0.98
Frt			0.850			0.850		0.898				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	5085	1583	1770	5085	1583	3433	3073	0	3433	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3423	5085	1451	1764	5085	1528	3420	3073	0	3349	1863	1554
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			422			142		137				260
Link Speed (mph)		45			50			25			25	
Link Distance (ft)		746			633			685			884	
Travel Time (s)		11.3			8.6			18.7			24.1	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	364	2047	676	97	1155	43	425	83	174	136	86	596
Confl. Peds. (#/hr)	6		23	23		6	2		40	40		2
Confl. Bikes (#/hr)			1						1			4
Peak Hour Factor	0.95	0.95	0.95	0.94	0.94	0.94	0.89	0.89	0.89	0.99	0.99	0.99
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	383	2155	712	103	1229	46	478	93	196	137	87	602
Shared Lane Traffic (%)												
Lane Group Flow (vph)	383	2155	712	103	1229	46	478	289	0	137	87	602

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	364	2047	676	97	1155	43	425	83	136	86	596
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Prot	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases			2			6					4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	10.0	10.0	4.0	10.0	10.0	6.0	7.0	6.0	7.0	7.0
Minimum Split (s)	10.4	32.5	32.5	8.4	35.5	35.5	10.4	53.9	10.4	20.0	20.0
Total Split (s)	28.9	70.9	70.9	13.8	55.8	55.8	25.3	54.1	11.2	40.0	40.0
Total Split (%)	19.3%	47.3%	47.3%	9.2%	37.2%	37.2%	16.9%	36.1%	7.5%	26.7%	26.7%
Yellow Time (s)	3.4	4.5	4.5	3.4	5.5	5.5	3.4	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.5	5.5	4.4	6.5	6.5	4.4	4.9	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	Min	Min
Act Effct Green (s)	20.7	65.4	65.4	9.4	53.1	53.1	20.9	49.2	6.8	35.1	35.1
Actuated g/C Ratio	0.14	0.44	0.44	0.06	0.35	0.35	0.14	0.33	0.05	0.23	0.23
v/c Ratio	0.81	0.97	0.82	0.94	0.68	0.07	1.00	0.26	0.88	0.20	1.07
Control Delay	76.5	54.9	23.1	138.2	44.1	0.2	104.7	19.6	116.7	47.7	88.7
Queue Delay	0.0	27.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	76.5	81.9	23.2	138.2	44.1	0.2	104.7	19.6	116.7	47.7	88.7
LOS	E	F	C	F	D	A	F	B	F	D	F
Approach Delay		68.4			49.6			72.6		89.0	
Approach LOS		E			D			E		F	

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 150	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.07	
Intersection Signal Delay: 67.5	Intersection LOS: E
Intersection Capacity Utilization 98.7%	ICU Level of Service F
Analysis Period (min) 15	

Splits and Phases: 16: Frazee Road & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	364	2047	676	97	1155	43	425	83	174	136	86	596
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00	1.00		0.95	1.00		0.93
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	383	2155	454	103	1229	0	478	93	89	137	87	400
Adj No. of Lanes	2	3	1	1	3	1	2	2	0	2	1	1
Peak Hour Factor	0.95	0.95	0.95	0.94	0.94	0.94	0.89	0.89	0.89	0.99	0.99	0.99
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	432	2200	653	111	1879	585	477	582	487	155	433	344
Arrive On Green	0.13	0.43	0.43	0.06	0.37	0.00	0.14	0.33	0.33	0.05	0.23	0.23
Sat Flow, veh/h	3442	5085	1509	1774	5085	1583	3442	1784	1495	3442	1863	1479
Grp Volume(v), veh/h	383	2155	454	103	1229	0	478	92	90	137	87	400
Grp Sat Flow(s),veh/h/ln	1721	1695	1509	1774	1695	1583	1721	1770	1509	1721	1863	1479
Q Serve(g_s), s	16.5	63.0	36.8	8.7	30.3	0.0	20.9	5.6	6.4	6.0	5.7	35.1
Cycle Q Clear(g_c), s	16.5	63.0	36.8	8.7	30.3	0.0	20.9	5.6	6.4	6.0	5.7	35.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.99	1.00		1.00
Lane Grp Cap(c), veh/h	432	2200	653	111	1879	585	477	577	492	155	433	344
V/C Ratio(X)	0.89	0.98	0.70	0.93	0.65	0.00	1.00	0.16	0.18	0.88	0.20	1.16
Avail Cap(c_a), veh/h	559	2205	654	111	1879	585	477	577	492	155	433	344
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	64.9	42.1	34.7	70.4	39.6	0.0	65.0	36.1	36.4	71.6	46.6	57.9
Incr Delay (d2), s/veh	11.3	14.7	3.5	63.4	1.0	0.0	41.8	0.0	0.1	39.7	0.1	100.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.5	32.3	16.0	6.2	14.4	0.0	12.6	2.7	2.7	3.7	2.9	23.9
LnGrp Delay(d),s/veh	76.2	56.8	38.2	133.9	40.5	0.0	106.8	36.2	36.5	111.3	46.7	158.3
LnGrp LOS	E	E	D	F	D		F	D	D	F	D	F
Approach Vol, veh/h		2992			1332			660			624	
Approach Delay, s/veh		56.5			47.8			87.4			132.4	
Approach LOS		E			D			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.8	71.8	25.3	40.0	23.3	62.2	11.2	54.1
Change Period (Y+Rc), s	4.4	* 6.5	4.4	4.9	4.4	6.5	4.4	4.9
Max Green Setting (Gmax), s	9.4	* 65	20.9	35.1	24.5	49.3	6.8	49.2
Max Q Clear Time (g_c+I1), s	10.7	65.0	22.9	37.1	18.5	32.3	8.0	8.4
Green Ext Time (p_c), s	0.0	0.3	0.0	0.0	0.4	16.7	0.0	2.4

Intersection Summary	
HCM 2010 Ctrl Delay	66.5
HCM 2010 LOS	E

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	370		370	0		0	0		0
Storage Lanes	0		0	1		1	2		0	0		1
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00	0.97	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor						0.98	1.00					0.96
Frt						0.850						0.850
Flt Protected				0.950	0.955		0.950					
Satd. Flow (prot)	0	0	0	1681	1690	1583	3433	3539	0	0	3539	1583
Flt Permitted				0.950	0.955		0.950					
Satd. Flow (perm)	0	0	0	1681	1690	1556	3423	3539	0	0	3539	1528
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						246						271
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		844			939			398			342	
Travel Time (s)		19.2			21.3			6.8			5.8	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	170	6	263	243	654	0	0	935	236
Confl. Peds. (#/hr)	5					5	4		3	3		4
Confl. Bikes (#/hr)									1			2
Peak Hour Factor	0.25	0.25	0.25	0.93	0.93	0.93	0.93	0.93	0.93	0.87	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	183	6	283	261	703	0	0	1075	271
Shared Lane Traffic (%)				48%								
Lane Group Flow (vph)	0	0	0	95	94	283	261	703	0	0	1075	271

Intersection Summary

Lane Group	WBL	WBT	WBR	NBL	NBT	SBT	SBR
Lane Configurations							
Volume (vph)	170	6	263	243	654	935	236
Turn Type	Perm	NA	Perm	Prot	NA	NA	Perm
Protected Phases		8		5	2	6	
Permitted Phases	8		8				6
Detector Phase	8	8	8	5	2	6	6
Switch Phase							
Minimum Initial (s)	6.0	6.0	6.0	4.0	10.0	10.0	10.0
Minimum Split (s)	33.9	33.9	33.9	8.4	24.0	24.0	24.0
Total Split (s)	35.9	35.9	35.9	22.5	72.1	49.6	49.6
Total Split (%)	33.2%	33.2%	33.2%	20.8%	66.8%	45.9%	45.9%
Yellow Time (s)	3.9	3.9	3.9	3.4	4.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.4	5.0	6.0	6.0
Lead/Lag				Lead		Lag	Lag
Lead-Lag Optimize?				Yes		Yes	Yes
Recall Mode	None	None	None	None	C-Min	C-Min	C-Min
Act Effct Green (s)	14.4	14.4	14.4	13.5	83.7	64.8	64.8
Actuated g/C Ratio	0.13	0.13	0.13	0.12	0.78	0.60	0.60
v/c Ratio	0.42	0.42	0.67	0.61	0.26	0.51	0.26
Control Delay	46.3	46.1	16.0	45.2	8.1	10.7	1.9
Queue Delay	0.0	0.0	0.0	0.0	0.4	0.4	0.3
Total Delay	46.3	46.1	16.0	45.2	8.5	11.1	2.3
LOS	D	D	B	D	A	B	A
Approach Delay		28.1			18.5	9.3	
Approach LOS		C			B	A	

Intersection Summary	
Cycle Length: 108	
Actuated Cycle Length: 108	
Offset: 10 (9%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 80	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.67	
Intersection Signal Delay: 15.7	Intersection LOS: B
Intersection Capacity Utilization 61.8%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 17: Mission Center Road & Friar WB



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	170	6	263	243	654	0	0	935	236
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.98	1.00		1.00	1.00		0.98
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				187	0	95	261	703	0	0	1075	87
Adj No. of Lanes				2	0	1	2	2	0	0	2	1
Peak Hour Factor				0.93	0.93	0.93	0.93	0.93	0.93	0.87	0.87	0.87
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				351	0	154	330	2832	0	0	2349	1025
Arrive On Green				0.10	0.00	0.10	0.19	1.00	0.00	0.00	1.00	1.00
Sat Flow, veh/h				3548	0	1559	3442	3632	0	0	3632	1545
Grp Volume(v), veh/h				187	0	95	261	703	0	0	1075	87
Grp Sat Flow(s),veh/h/ln				1774	0	1559	1721	1770	0	0	1770	1545
Q Serve(g_s), s				5.4	0.0	6.3	7.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s				5.4	0.0	6.3	7.8	0.0	0.0	0.0	0.0	0.0
Prop In Lane				1.00		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				351	0	154	330	2832	0	0	2349	1025
V/C Ratio(X)				0.53	0.00	0.62	0.79	0.25	0.00	0.00	0.46	0.08
Avail Cap(c_a), veh/h				1018	0	448	577	2832	0	0	2349	1025
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	2.00	2.00
Upstream Filter(I)				1.00	0.00	1.00	0.79	0.79	0.00	0.00	0.71	0.71
Uniform Delay (d), s/veh				46.3	0.0	46.7	42.6	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh				1.3	0.0	3.9	3.4	0.2	0.0	0.0	0.5	0.1
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				2.7	0.0	2.9	3.9	0.1	0.0	0.0	0.2	0.0
LnGrp Delay(d),s/veh				47.5	0.0	50.6	46.1	0.2	0.0	0.0	0.5	0.1
LnGrp LOS				D		D	D	A			A	A
Approach Vol, veh/h					282			964			1162	
Approach Delay, s/veh					48.6			12.6			0.4	
Approach LOS					D			B			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		92.4			14.7	77.7		15.6
Change Period (Y+Rc), s		* 6			4.4	6.0		4.9
Max Green Setting (Gmax), s		* 67			18.1	43.6		31.0
Max Q Clear Time (g_c+I1), s		2.0			9.8	2.0		8.3
Green Ext Time (p_c), s		40.6			0.5	30.1		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	10.9
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		100	0		0	0		0	120		0
Storage Lanes	1		1	0		0	0		1	2		0
Taper Length (ft)	25			0			0			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor									0.95	0.99		
Frt			0.850						0.850			
Flt Protected	0.950									0.950		
Satd. Flow (prot)	1770	1863	1583	0	0	0	0	3539	1583	3433	3539	0
Flt Permitted	0.950									0.950		
Satd. Flow (perm)	1770	1863	1583	0	0	0	0	3539	1504	3404	3539	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			73						401			
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		654			949			247			398	
Travel Time (s)		14.9			21.6			4.2			6.8	

Intersection Summary	
Area Type:	Other



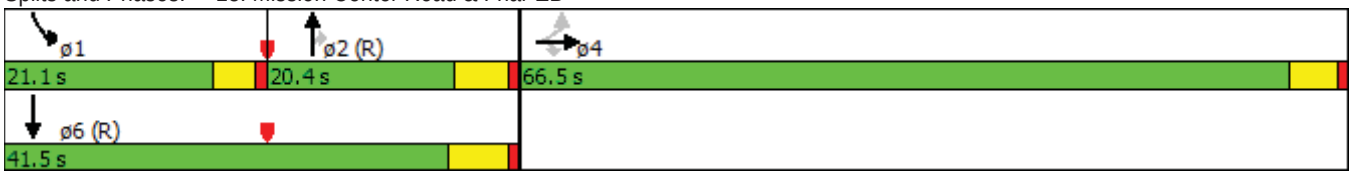
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	267	6	335	0	0	0	0	622	345	442	664	0
Confl. Peds. (#/hr)							1		8	8		1
Confl. Bikes (#/hr)									3			
Peak Hour Factor	0.88	0.88	0.88	0.25	0.25	0.25	0.86	0.86	0.86	0.82	0.82	0.82
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	303	7	381	0	0	0	0	723	401	539	810	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	303	7	381	0	0	0	0	723	401	539	810	0

Intersection Summary

Lane Group	EBL	EBT	EBR	NBT	NBR	SBL	SBT
Lane Configurations							
Volume (vph)	267	6	335	622	345	442	664
Turn Type	Perm	NA	Perm	NA	Perm	Prot	NA
Protected Phases		4		2		1	6
Permitted Phases	4		4		2		
Detector Phase	4	4	4	2	2	1	6
Switch Phase							
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	4.0	10.0
Minimum Split (s)	20.9	20.9	20.9	24.3	24.3	15.1	25.8
Total Split (s)	66.5	66.5	66.5	20.4	20.4	21.1	41.5
Total Split (%)	61.6%	61.6%	61.6%	18.9%	18.9%	19.5%	38.4%
Yellow Time (s)	3.9	3.9	3.9	4.3	4.3	3.4	4.8
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	5.3	5.3	4.4	5.8
Lead/Lag				Lag	Lag	Lead	
Lead-Lag Optimize?				Yes	Yes	Yes	
Recall Mode	None	None	None	C-Min	C-Min	None	C-Min
Act Effct Green (s)	30.6	30.6	30.6	39.0	39.0	23.8	66.7
Actuated g/C Ratio	0.28	0.28	0.28	0.36	0.36	0.22	0.62
v/c Ratio	0.60	0.01	0.76	0.57	0.50	0.71	0.37
Control Delay	37.2	22.0	37.3	41.6	16.8	49.3	7.1
Queue Delay	0.0	0.0	0.1	35.0	1.5	0.0	0.2
Total Delay	37.2	22.0	37.4	76.5	18.3	49.3	7.2
LOS	D	C	D	E	B	D	A
Approach Delay		37.1		55.8			24.0
Approach LOS		D		E			C

Intersection Summary	
Cycle Length: 108	
Actuated Cycle Length: 108	
Offset: 107 (99%), Referenced to phase 2:NBT and 6:SBT, Start of Green	
Natural Cycle: 65	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.76	
Intersection Signal Delay: 38.2	Intersection LOS: D
Intersection Capacity Utilization 61.8%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 18: Mission Center Road & Friar EB



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	267	6	335	0	0	0	0	622	345	442	664	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	303	7	347				0	723	0	539	810	0
Adj No. of Lanes	1	1	1				0	2	1	2	2	0
Peak Hour Factor	0.88	0.88	0.88				0.86	0.86	0.86	0.82	0.82	0.82
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	444	466	396				0	1611	721	532	2303	0
Arrive On Green	0.25	0.25	0.25				0.00	0.15	0.00	0.05	0.21	0.00
Sat Flow, veh/h	1774	1863	1583				0	3632	1583	3442	3632	0
Grp Volume(v), veh/h	303	7	347				0	723	0	539	810	0
Grp Sat Flow(s),veh/h/ln	1774	1863	1583				0	1770	1583	1721	1770	0
Q Serve(g_s), s	16.7	0.3	22.7				0.0	20.1	0.0	16.7	21.0	0.0
Cycle Q Clear(g_c), s	16.7	0.3	22.7				0.0	20.1	0.0	16.7	21.0	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	444	466	396				0	1611	721	532	2303	0
V/C Ratio(X)	0.68	0.02	0.88				0.00	0.45	0.00	1.01	0.35	0.00
Avail Cap(c_a), veh/h	1012	1062	903				0	1611	721	532	2303	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	0.33	0.33	1.00
Upstream Filter(I)	1.00	1.00	1.00				0.00	0.92	0.00	0.86	0.86	0.00
Uniform Delay (d), s/veh	36.6	30.5	38.9				0.0	33.5	0.0	51.2	23.1	0.0
Incr Delay (d2), s/veh	1.9	0.0	6.2				0.0	0.8	0.0	39.4	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.4	0.2	10.6				0.0	10.0	0.0	10.9	10.4	0.0
LnGrp Delay(d),s/veh	38.5	30.5	45.1				0.0	34.4	0.0	90.6	23.4	0.0
LnGrp LOS	D	C	D					C		F	C	
Approach Vol, veh/h		657						723			1349	
Approach Delay, s/veh		41.9						34.4			50.3	
Approach LOS		D						C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	21.1	55.0		31.9		76.1		
Change Period (Y+Rc), s	4.4	* 5.8		4.9		5.8		
Max Green Setting (Gmax), s	16.7	* 15		61.6		35.7		
Max Q Clear Time (g_c+I1), s	18.7	22.1		24.7		23.0		
Green Ext Time (p_c), s	0.0	0.0		2.3		8.9		

Intersection Summary	
HCM 2010 Ctrl Delay	44.0
HCM 2010 LOS	D

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	320		0	0		0	0		0
Storage Lanes	0		0	1		0	1		0	0		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt											0.959	
Flt Protected				0.950	0.954		0.950					
Satd. Flow (prot)	0	0	0	1681	1688	0	1770	1863	0	0	1786	0
Flt Permitted				0.950	0.954		0.950					
Satd. Flow (perm)	0	0	0	1681	1688	0	1770	1863	0	0	1786	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)											6	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		411			696			308			522	
Travel Time (s)		9.3			15.8			4.7			7.9	

Intersection Summary	
Area Type:	Other



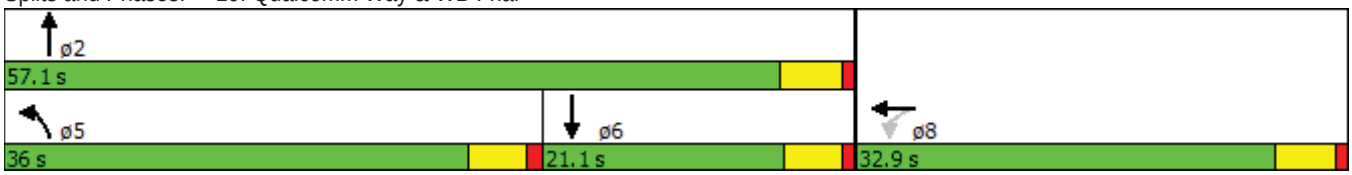
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	366	5	0	472	7	0	0	7	3
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.25	0.25	0.25	0.95	0.95	0.95	0.91	0.91	0.91	0.50	0.50	0.50
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	385	5	0	519	8	0	0	14	6
Shared Lane Traffic (%)				49%								
Lane Group Flow (vph)	0	0	0	196	194	0	519	8	0	0	20	0

Intersection Summary

Lane Group	WBL	WBT	NBL	NBT	SBT
Lane Configurations					
Volume (vph)	366	5	472	7	7
Turn Type	Perm	NA	Prot	NA	NA
Protected Phases		8	5	2	6
Permitted Phases	8				
Detector Phase	8	8	5	2	6
Switch Phase					
Minimum Initial (s)	4.0	4.0	4.0	10.0	10.0
Minimum Split (s)	32.9	32.9	8.9	23.1	20.9
Total Split (s)	32.9	32.9	36.0	57.1	21.1
Total Split (%)	36.6%	36.6%	40.0%	63.4%	23.4%
Yellow Time (s)	3.9	3.9	3.9	4.1	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	5.1	4.9
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	Min	None	None
Act Effct Green (s)	11.4	11.4	21.2	15.6	11.3
Actuated g/C Ratio	0.25	0.25	0.47	0.34	0.25
v/c Ratio	0.46	0.46	0.63	0.01	0.04
Control Delay	21.3	21.2	14.9	10.3	19.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	21.3	21.2	14.9	10.3	19.4
LOS	C	C	B	B	B
Approach Delay		21.3		14.9	19.4
Approach LOS		C		B	B

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 45.5	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.63	
Intersection Signal Delay: 17.6	Intersection LOS: B
Intersection Capacity Utilization 57.0%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 19: Qualcomm Way & WB Friar





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	366	5	0	472	7	0	0	7	3
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	0	1863	1863	0	0	1863	1900
Adj Flow Rate, veh/h				389	0	0	519	8	0	0	14	0
Adj No. of Lanes				2	1	0	1	1	0	0	1	0
Peak Hour Factor				0.95	0.95	0.95	0.91	0.91	0.91	0.50	0.50	0.50
Percent Heavy Veh, %				2	2	0	2	2	0	0	2	2
Cap, veh/h				619	325	0	659	1015	0	0	68	0
Arrive On Green				0.17	0.00	0.00	0.37	0.55	0.00	0.00	0.04	0.00
Sat Flow, veh/h				3548	1863	0	1774	1863	0	0	1863	0
Grp Volume(v), veh/h				389	0	0	519	8	0	0	14	0
Grp Sat Flow(s),veh/h/ln				1774	1863	0	1774	1863	0	0	1863	0
Q Serve(g_s), s				3.6	0.0	0.0	9.3	0.1	0.0	0.0	0.3	0.0
Cycle Q Clear(g_c), s				3.6	0.0	0.0	9.3	0.1	0.0	0.0	0.3	0.0
Prop In Lane				1.00		0.00	1.00		0.00	0.00		0.00
Lane Grp Cap(c), veh/h				619	325	0	659	1015	0	0	68	0
V/C Ratio(X)				0.63	0.00	0.00	0.79	0.01	0.00	0.00	0.21	0.00
Avail Cap(c_a), veh/h				2787	1463	0	1548	2718	0	0	847	0
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00
Uniform Delay (d), s/veh				13.6	0.0	0.0	10.0	3.7	0.0	0.0	16.7	0.0
Incr Delay (d2), s/veh				0.4	0.0	0.0	2.5	0.0	0.0	0.0	1.5	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.8	0.0	0.0	4.9	0.0	0.0	0.0	0.2	0.0
LnGrp Delay(d),s/veh				14.0	0.0	0.0	12.5	3.7	0.0	0.0	18.2	0.0
LnGrp LOS				B			B	A			B	
Approach Vol, veh/h					389			527			14	
Approach Delay, s/veh					14.0			12.3			18.2	
Approach LOS					B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		24.5			18.1	6.4		11.1
Change Period (Y+Rc), s		5.1			4.9	* 5.1		4.9
Max Green Setting (Gmax), s		52.0			31.1	* 16		28.0
Max Q Clear Time (g_c+I1), s		2.1			11.3	2.3		5.6
Green Ext Time (p_c), s		0.1			2.0	0.0		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	13.1
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		360	0		0	0		0	0		0
Storage Lanes	0		1	0		0	0		1	1		0
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor												
Frt			0.850						0.850			
Flt Protected		0.957								0.950		
Satd. Flow (prot)	0	1783	1583	0	0	0	0	3539	1583	1770	3539	0
Flt Permitted		0.957								0.950		
Satd. Flow (perm)	0	1783	1583	0	0	0	0	3539	1583	1770	3539	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			324						370			
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		366			590			785			308	
Travel Time (s)		8.3			13.4			11.9			4.7	

Intersection Summary	
Area Type:	Other



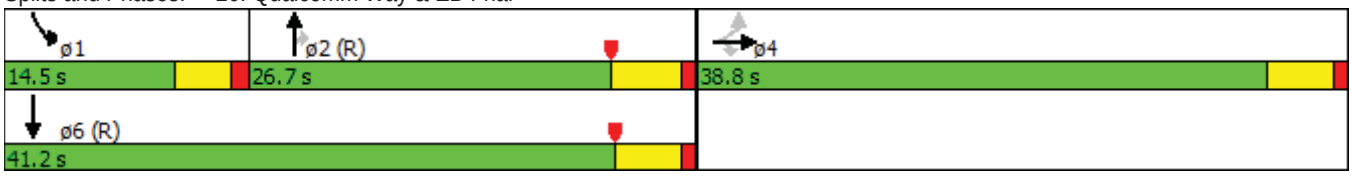
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	45	6	305	0	0	0	0	438	326	5	373	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												1
Peak Hour Factor	0.94	0.94	0.94	0.25	0.25	0.25	0.88	0.88	0.88	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	48	6	324	0	0	0	0	498	370	5	401	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	54	324	0	0	0	0	498	370	5	401	0

Intersection Summary

Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	6	305	438	326	5	373
Turn Type	NA	Perm	NA	Perm	Prot	NA
Protected Phases	4		2		1	6
Permitted Phases		4		2		
Detector Phase	4	4	2	2	1	6
Switch Phase						
Minimum Initial (s)	4.0	4.0	10.0	10.0	4.0	10.0
Minimum Split (s)	38.9	38.9	15.1	15.1	8.4	20.9
Total Split (s)	38.8	38.8	26.7	26.7	14.5	41.2
Total Split (%)	48.5%	48.5%	33.4%	33.4%	18.1%	51.5%
Yellow Time (s)	3.9	3.9	4.1	4.1	3.4	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	5.1	5.1	4.4	4.9
Lead/Lag			Lag	Lag	Lead	
Lead-Lag Optimize?			Yes	Yes	Yes	
Recall Mode	None	None	C-Min	C-Min	None	C-Min
Act Effct Green (s)	8.1	8.1	59.9	59.9	4.8	62.1
Actuated g/C Ratio	0.10	0.10	0.75	0.75	0.06	0.78
v/c Ratio	0.30	0.72	0.19	0.29	0.05	0.15
Control Delay	35.7	13.6	4.3	1.5	36.2	2.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	35.7	13.6	4.3	1.5	36.2	2.8
LOS	D	B	A	A	D	A
Approach Delay	16.7		3.1			3.2
Approach LOS	B		A			A

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 80	
Offset: 4 (5%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 65	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.72	
Intersection Signal Delay: 6.2	Intersection LOS: A
Intersection Capacity Utilization 57.0%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 20: Qualcomm Way & EB Friar



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	45	6	305	0	0	0	0	438	326	5	373	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	48	6	127				0	498	63	5	401	0
Adj No. of Lanes	0	1	1				0	2	1	1	2	0
Peak Hour Factor	0.94	0.94	0.94				0.88	0.88	0.88	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	168	21	168				0	2509	1122	9	2722	0
Arrive On Green	0.11	0.11	0.11				0.00	0.71	0.71	0.01	0.77	0.00
Sat Flow, veh/h	1585	198	1583				0	3632	1583	1774	3632	0
Grp Volume(v), veh/h	54	0	127				0	498	63	5	401	0
Grp Sat Flow(s),veh/h/ln	1783	0	1583				0	1770	1583	1774	1770	0
Q Serve(g_s), s	2.2	0.0	6.2				0.0	3.8	1.0	0.2	2.4	0.0
Cycle Q Clear(g_c), s	2.2	0.0	6.2				0.0	3.8	1.0	0.2	2.4	0.0
Prop In Lane	0.89		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	189	0	168				0	2509	1122	9	2722	0
V/C Ratio(X)	0.29	0.00	0.76				0.00	0.20	0.06	0.54	0.15	0.00
Avail Cap(c_a), veh/h	756	0	671				0	2509	1122	224	2722	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.95	0.95	0.91	0.91	0.00
Uniform Delay (d), s/veh	33.0	0.0	34.8				0.0	3.9	3.5	39.7	2.4	0.0
Incr Delay (d2), s/veh	0.3	0.0	2.6				0.0	0.2	0.1	15.1	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	2.8				0.0	1.9	0.4	0.1	1.2	0.0
LnGrp Delay(d),s/veh	33.3	0.0	37.4				0.0	4.1	3.6	54.8	2.5	0.0
LnGrp LOS	C		D					A	A	D	A	
Approach Vol, veh/h		181						561			406	
Approach Delay, s/veh		36.2						4.1			3.2	
Approach LOS		D						A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	4.8	61.8		13.4		66.6		
Change Period (Y+Rc), s	4.4	5.1		4.9		* 5.1		
Max Green Setting (Gmax), s	10.1	21.6		33.9		* 36		
Max Q Clear Time (g_c+I1), s	2.2	5.8		8.2		4.4		
Green Ext Time (p_c), s	0.0	4.8		0.4		5.9		

Intersection Summary	
HCM 2010 Ctrl Delay	8.8
HCM 2010 LOS	A

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	220		200	240		200	0		60	0		0
Storage Lanes	1		1	1		0	0		1	0		0
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00		0.97	1.00	1.00			1.00	0.98		0.99	
Frt			0.850		0.997				0.850		0.955	
Flt Protected	0.950			0.950				0.958			0.968	
Satd. Flow (prot)	1770	5085	1583	1770	5067	0	0	1785	1583	0	1710	0
Flt Permitted	0.950			0.950				0.680			0.772	
Satd. Flow (perm)	1766	5085	1535	1769	5067	0	0	1261	1548	0	1356	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			60		2				108		20	
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1866			1172			844			533	
Travel Time (s)		25.4			16.0			23.0			14.5	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	18	1951	99	57	1177	21	40	5	95	117	3	59
Confl. Peds. (#/hr)	3		3	3		3	7		7	7		7
Confl. Bikes (#/hr)			1			1			2			1
Peak Hour Factor	0.88	0.88	0.88	0.97	0.97	0.97	0.88	0.88	0.88	0.65	0.65	0.65
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	20	2217	112	59	1213	22	45	6	108	180	5	91
Shared Lane Traffic (%)												
Lane Group Flow (vph)	20	2217	112	59	1235	0	0	51	108	0	276	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Configurations										
Volume (vph)	18	1951	99	57	1177	40	5	95	117	3
Turn Type	Prot	NA	Perm	Prot	NA	Perm	NA	Perm	Perm	NA
Protected Phases	5	2		1	6		8			4
Permitted Phases			2			8		8	4	
Detector Phase	5	2	2	1	6	8	8	8	4	4
Switch Phase										
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	27.2	27.2	8.4	24.2	34.9	34.9	34.9	34.9	34.9
Total Split (s)	18.2	66.3	66.3	18.2	66.3	50.5	50.5	50.5	50.5	50.5
Total Split (%)	13.5%	49.1%	49.1%	13.5%	49.1%	37.4%	37.4%	37.4%	37.4%	37.4%
Yellow Time (s)	3.4	5.2	5.2	3.4	5.2	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Lost Time (s)	4.4	6.2	6.2	4.4	6.2		4.9	4.9		4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag					
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes					
Recall Mode	None	C-Min	C-Min	None	C-Min	None	None	None	None	None
Act Effct Green (s)	6.1	80.7	80.7	8.9	85.2		31.8	31.8		31.8
Actuated g/C Ratio	0.05	0.60	0.60	0.07	0.63		0.24	0.24		0.24
v/c Ratio	0.25	0.73	0.12	0.51	0.39		0.17	0.24		0.83
Control Delay	69.1	23.7	8.4	75.2	14.4		39.4	7.4		64.5
Queue Delay	0.0	0.0	0.0	0.0	0.0		0.0	0.0		0.0
Total Delay	69.1	23.7	8.4	75.2	14.4		39.4	7.4		64.5
LOS	E	C	A	E	B		D	A		E
Approach Delay		23.4			17.1		17.7			64.5
Approach LOS		C			B		B			E

Intersection Summary

Cycle Length: 135
Actuated Cycle Length: 135
Offset: 48.8 (36%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 90
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.83
Intersection Signal Delay: 24.0 — Intersection LOS: C
Intersection Capacity Utilization 75.0% — ICU Level of Service D
Analysis Period (min) 15

Splits and Phases: 21: River Run Drive & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	18	1951	99	57	1177	21	40	5	95	117	3	59
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	20	2217	72	59	1213	22	45	6	28	180	5	68
Adj No. of Lanes	1	3	1	1	3	0	0	1	1	0	1	0
Peak Hour Factor	0.88	0.88	0.88	0.97	0.97	0.97	0.88	0.88	0.88	0.65	0.65	0.65
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	28	3103	944	76	3276	59	328	41	360	250	6	77
Arrive On Green	0.02	0.61	0.61	0.04	0.64	0.64	0.23	0.23	0.23	0.23	0.23	0.23
Sat Flow, veh/h	1774	5085	1547	1774	5141	93	1197	175	1547	880	24	332
Grp Volume(v), veh/h	20	2217	72	59	800	435	51	0	28	253	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1547	1774	1695	1844	1372	0	1547	1236	0	0
Q Serve(g_s), s	1.5	40.7	2.6	4.4	15.1	15.1	0.0	0.0	1.9	23.5	0.0	0.0
Cycle Q Clear(g_c), s	1.5	40.7	2.6	4.4	15.1	15.1	3.9	0.0	1.9	27.4	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.05	0.88		1.00	0.71		0.27
Lane Grp Cap(c), veh/h	28	3103	944	76	2160	1175	369	0	360	333	0	0
V/C Ratio(X)	0.72	0.71	0.08	0.78	0.37	0.37	0.14	0.00	0.08	0.76	0.00	0.00
Avail Cap(c_a), veh/h	181	3103	944	181	2160	1175	513	0	523	482	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.91	0.91	0.91	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	66.2	18.2	10.8	64.0	11.6	11.6	41.2	0.0	40.5	52.2	0.0	0.0
Incr Delay (d2), s/veh	12.3	1.4	0.2	5.8	0.4	0.8	0.1	0.0	0.1	4.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	19.3	1.1	2.3	7.1	7.9	1.5	0.0	0.8	9.6	0.0	0.0
LnGrp Delay(d),s/veh	78.4	19.6	10.9	69.8	12.1	12.5	41.4	0.0	40.6	57.1	0.0	0.0
LnGrp LOS	E	B	B	E	B	B	D		D	E		
Approach Vol, veh/h		2309			1294			79			253	
Approach Delay, s/veh		19.9			14.8			41.1			57.1	
Approach LOS		B			B			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.2	88.6		36.3	6.5	92.2		36.3
Change Period (Y+Rc), s	4.4	6.2		4.9	4.4	6.2		4.9
Max Green Setting (Gmax), s	13.8	60.1		45.6	13.8	60.1		45.6
Max Q Clear Time (g_c+I1), s	6.4	42.7		29.4	3.5	17.1		5.9
Green Ext Time (p_c), s	0.0	17.4		2.0	0.0	42.9		2.5

Intersection Summary	
HCM 2010 Ctrl Delay	21.0
HCM 2010 LOS	C



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	240		240	260		260	200		0	210		210
Storage Lanes	1		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	0.97	0.91	1.00	0.97	1.00	1.00	0.97	0.95	0.95
Ped Bike Factor			0.98	1.00		0.99	0.99		0.98	0.99	0.99	0.98
Frt			0.850			0.850			0.850		0.905	0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	5085	1583	3433	5085	1583	3433	1863	1583	3433	1582	1504
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1770	5085	1557	3431	5085	1563	3411	1863	1555	3412	1582	1476
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			352			86			343		28	96
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1172			1541			740			798	
Travel Time (s)		16.0			21.0			20.2			21.8	

Intersection Summary	
Area Type:	Other



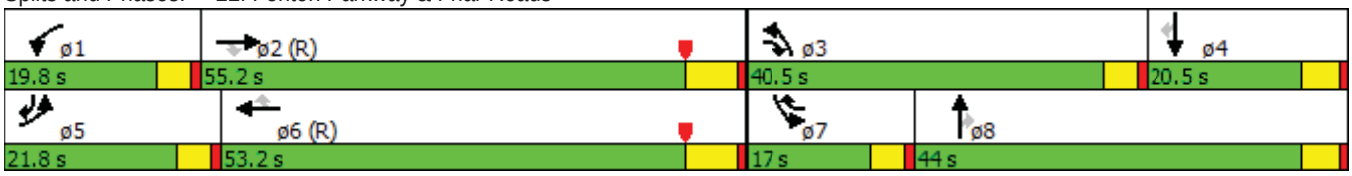
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	126	1944	348	230	923	59	232	31	322	24	14	63
Confl. Peds. (#/hr)			4	4			7		6	6		7
Confl. Bikes (#/hr)						2						
Peak Hour Factor	0.99	0.99	0.99	0.90	0.90	0.90	0.94	0.94	0.94	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	127	1964	352	256	1026	66	247	33	343	27	16	70
Shared Lane Traffic (%)												40%
Lane Group Flow (vph)	127	1964	352	256	1026	66	247	33	343	27	44	42

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	126	1944	348	230	923	59	232	31	322	24	14	63
Turn Type	Prot	NA	pm+ov	Prot	NA	pm+ov	Prot	NA	Perm	Prot	NA	pm+ov
Protected Phases	5	2	3	1	6	7	3	8		7	4	5
Permitted Phases			2			6			8			4
Detector Phase	5	2	3	1	6	7	3	8	8	7	4	5
Switch Phase												
Minimum Initial (s)	4.0	10.0	4.0	4.0	10.0	4.0	4.0	7.0	7.0	4.0	7.0	4.0
Minimum Split (s)	8.4	40.2	8.4	8.4	37.2	8.4	8.4	43.9	43.9	8.4	46.9	8.4
Total Split (s)	21.8	55.2	40.5	19.8	53.2	17.0	40.5	44.0	44.0	17.0	20.5	21.8
Total Split (%)	16.0%	40.6%	29.8%	14.6%	39.1%	12.5%	29.8%	32.4%	32.4%	12.5%	15.1%	16.0%
Yellow Time (s)	3.4	5.2	3.4	3.4	5.2	3.4	3.4	3.9	3.9	3.4	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.2	4.4	4.4	6.2	4.4	4.4	4.9	4.9	4.4	4.9	4.4
Lead/Lag	Lead	Lag	Lead	Lead	Lag	Lead	Lead	Lag	Lag	Lead	Lag	Lead
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Min	None	None	C-Min	None	None	None	None	None	None	None
Act Effct Green (s)	13.6	75.9	91.9	13.8	76.0	83.4	14.2	22.6	22.6	5.6	15.1	27.2
Actuated g/C Ratio	0.10	0.56	0.68	0.10	0.56	0.61	0.10	0.17	0.17	0.04	0.11	0.20
v/c Ratio	0.72	0.69	0.30	0.74	0.36	0.07	0.69	0.11	0.63	0.19	0.22	0.11
Control Delay	80.8	26.2	2.0	86.2	14.1	1.3	68.7	43.2	9.3	65.8	26.6	0.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	80.8	26.2	2.0	86.2	14.1	1.3	68.7	43.2	9.3	65.8	26.6	0.6
LOS	F	C	A	F	B	A	E	D	A	E	C	A
Approach Delay		25.5			27.2			34.7			26.3	
Approach LOS		C			C			C			C	

Intersection Summary	
Cycle Length: 136	
Actuated Cycle Length: 136	
Offset: 90 (66%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 135	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.74	
Intersection Signal Delay: 27.3	Intersection LOS: C
Intersection Capacity Utilization 76.5%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 22: Fenton Parkway & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	126	1944	348	230	923	59	232	31	322	24	14	63
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	127	1964	0	256	1026	0	247	33	82	27	16	0
Adj No. of Lanes	1	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.99	0.99	0.99	0.90	0.90	0.90	0.94	0.94	0.94	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	151	3267	1157	303	3281	1051	305	195	162	67	65	190
Arrive On Green	0.09	0.64	0.00	0.18	1.00	0.00	0.09	0.10	0.10	0.02	0.03	0.00
Sat Flow, veh/h	1774	5085	1583	3442	5085	1583	3442	1863	1552	3548	1863	1583
Grp Volume(v), veh/h	127	1964	0	256	1026	0	247	33	82	27	16	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1721	1695	1583	1721	1863	1552	1774	1863	1583
Q Serve(g_s), s	9.6	30.6	0.0	9.8	0.0	0.0	9.6	2.2	6.8	1.0	1.1	0.0
Cycle Q Clear(g_c), s	9.6	30.6	0.0	9.8	0.0	0.0	9.6	2.2	6.8	1.0	1.1	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	151	3267	1157	303	3281	1051	305	195	162	67	65	190
V/C Ratio(X)	0.84	0.60	0.00	0.85	0.31	0.00	0.81	0.17	0.51	0.40	0.25	0.00
Avail Cap(c_a), veh/h	227	3267	1157	390	3281	1051	914	536	446	329	214	316
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.64	0.64	0.00	0.93	0.93	0.00	0.96	0.96	0.96	1.00	1.00	0.00
Uniform Delay (d), s/veh	61.3	14.2	0.0	55.2	0.0	0.0	60.9	55.5	57.6	66.0	63.9	0.0
Incr Delay (d2), s/veh	7.0	0.5	0.0	9.9	0.2	0.0	1.9	1.0	6.0	1.5	8.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	14.3	0.0	5.0	0.1	0.0	4.6	1.2	3.2	0.5	0.7	0.0
LnGrp Delay(d),s/veh	68.4	14.7	0.0	65.0	0.2	0.0	62.8	56.5	63.5	67.4	72.7	0.0
LnGrp LOS	E	B		E	A		E	E	E	E	E	
Approach Vol, veh/h		2091			1282			362			43	
Approach Delay, s/veh		18.0			13.2			62.4			69.4	
Approach LOS		B			B			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	16.4	93.6	16.4	9.6	16.0	94.0	7.0	19.1
Change Period (Y+Rc), s	4.4	6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	15.4	49.0	36.1	15.6	17.4	47.0	12.6	39.1
Max Q Clear Time (g_c+I1), s	11.8	32.6	11.6	3.1	11.6	2.0	3.0	8.8
Green Ext Time (p_c), s	0.2	16.3	0.5	0.8	0.1	44.2	0.0	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	21.2
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	300		300	260		260	180		0	190		300
Storage Lanes	2		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.91	1.00	0.97	0.91	1.00	0.97	1.00	1.00	0.97	1.00	1.00
Ped Bike Factor			0.99			0.99			0.98	0.99		0.99
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	5085	1583	3433	5085	1583	3433	1863	1583	3433	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3433	5085	1562	3433	5085	1564	3433	1863	1552	3408	1863	1563
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			182			137			103			96
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1541			1521			578			725	
Travel Time (s)		21.0			20.7			15.8			19.8	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	112	2031	243	426	907	130	190	29	698	92	17	67
Confl. Peds. (#/hr)									7	7		
Confl. Bikes (#/hr)			3			1						1
Peak Hour Factor	0.89	0.89	0.89	0.95	0.95	0.95	0.94	0.94	0.94	0.83	0.83	0.83
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	126	2282	273	448	955	137	202	31	743	111	20	81
Shared Lane Traffic (%)												
Lane Group Flow (vph)	126	2282	273	448	955	137	202	31	743	111	20	81

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	112	2031	243	426	907	130	190	29	698	92	17	67
Turn Type	Prot	NA	Perm	Prot	NA	pm+ov	Prot	NA	pm+ov	Prot	NA	Perm
Protected Phases	5	2		1	6	7	3	8	1	7	4	
Permitted Phases			2			6			8			4
Detector Phase	5	2	2	1	6	7	3	8	1	7	4	4
Switch Phase												
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	4.0	4.0	7.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	35.0	35.0	8.4	33.2	8.4	8.4	41.9	8.4	8.4	20.9	20.9
Total Split (s)	16.5	57.8	57.8	20.5	61.8	23.2	23.4	34.5	20.5	23.2	34.3	34.3
Total Split (%)	12.1%	42.5%	42.5%	15.1%	45.4%	17.1%	17.2%	25.4%	15.1%	17.1%	25.2%	25.2%
Yellow Time (s)	3.4	5.0	5.0	3.4	5.2	3.4	3.4	3.9	3.4	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.0	6.0	4.4	6.2	4.4	4.4	4.9	4.4	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lead	Lag	Lead	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Min	C-Min	None	C-Min	None	None	None	None	None	None	None
Act Effct Green (s)	9.3	51.8	51.8	36.4	78.7	96.7	12.4	17.3	50.5	16.2	15.7	15.7
Actuated g/C Ratio	0.07	0.38	0.38	0.27	0.58	0.71	0.09	0.13	0.37	0.12	0.12	0.12
v/c Ratio	0.54	1.18	0.39	0.49	0.32	0.12	0.65	0.13	1.14	0.27	0.09	0.31
Control Delay	69.0	116.5	9.7	45.6	17.0	2.2	69.3	48.7	115.6	58.9	50.5	8.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	69.0	116.5	9.7	45.6	17.0	2.2	69.3	48.7	115.6	58.9	50.5	8.6
LOS	E	F	A	D	B	A	E	D	F	E	D	A
Approach Delay		103.4			24.0			103.9			38.9	
Approach LOS		F			C			F			D	

Intersection Summary	
Cycle Length: 136	
Actuated Cycle Length: 136	
Offset: 84 (62%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 145	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 1.18	
Intersection Signal Delay: 78.4	Intersection LOS: E
Intersection Capacity Utilization 98.9%	ICU Level of Service F
Analysis Period (min) 15	

Splits and Phases: 23: Northside Drive & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	112	2031	243	426	907	130	190	29	698	92	17	67
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	126	2282	144	448	955	0	202	31	631	111	20	0
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.89	0.89	0.89	0.95	0.95	0.95	0.94	0.94	0.94	0.83	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	175	2395	736	407	2739	927	255	405	529	161	354	301
Arrive On Green	0.07	0.63	0.63	0.12	0.54	0.00	0.07	0.22	0.22	0.05	0.19	0.00
Sat Flow, veh/h	3442	5085	1562	3442	5085	1583	3442	1863	1568	3442	1863	1583
Grp Volume(v), veh/h	126	2282	144	448	955	0	202	31	631	111	20	0
Grp Sat Flow(s),veh/h/ln	1721	1695	1562	1721	1695	1583	1721	1863	1568	1721	1863	1583
Q Serve(g_s), s	4.9	56.6	5.3	16.1	14.5	0.0	7.9	1.8	29.6	4.3	1.2	0.0
Cycle Q Clear(g_c), s	4.9	56.6	5.3	16.1	14.5	0.0	7.9	1.8	29.6	4.3	1.2	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	175	2395	736	407	2739	927	255	405	529	161	354	301
V/C Ratio(X)	0.72	0.95	0.20	1.10	0.35	0.00	0.79	0.08	1.19	0.69	0.06	0.00
Avail Cap(c_a), veh/h	306	2395	736	407	2739	927	481	405	529	476	403	342
HCM Platoon Ratio	1.33	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.68	0.68	0.68	1.00	1.00	0.00	0.81	0.81	0.81	1.00	1.00	0.00
Uniform Delay (d), s/veh	62.5	24.0	14.4	60.0	17.8	0.0	61.9	42.3	45.2	63.9	45.1	0.0
Incr Delay (d2), s/veh	1.4	7.6	0.4	74.3	0.4	0.0	1.7	0.2	101.7	2.0	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	27.9	2.4	11.8	6.9	0.0	3.8	1.0	34.8	2.1	0.6	0.0
LnGrp Delay(d),s/veh	63.9	31.6	14.8	134.2	18.2	0.0	63.6	42.5	146.9	65.8	45.4	0.0
LnGrp LOS	E	C	B	F	B		E	D	F	E	D	
Approach Vol, veh/h		2552			1403			864			131	
Approach Delay, s/veh		32.3			55.2			123.7			62.7	
Approach LOS		C			E			F			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	20.5	70.2	14.5	30.8	11.3	79.4	10.8	34.5
Change Period (Y+Rc), s	4.4	* 6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	16.1	* 52	19.0	29.4	12.1	55.6	18.8	29.6
Max Q Clear Time (g_c+I1), s	18.1	58.6	9.9	3.2	6.9	16.5	6.3	31.6
Green Ext Time (p_c), s	0.0	0.0	0.2	8.5	0.1	38.5	0.1	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	55.5
HCM 2010 LOS	E

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		0	0		1	1		0	0		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor					1.00							
Frt						0.850						0.850
Flt Protected					0.950		0.950					
Satd. Flow (prot)	0	0	0	0	1770	1583	1770	3539	0	0	3539	1583
Flt Permitted					0.950		0.950					
Satd. Flow (perm)	0	0	0	0	1768	1583	1770	3539	0	0	3539	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						288						422
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		872			777			546			762	
Travel Time (s)		19.8			17.7			12.4			17.3	

Intersection Summary	
Area Type:	Other



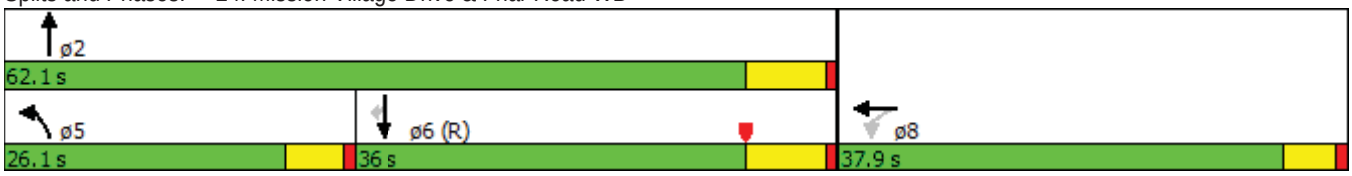
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	154	0	268	126	378	0	0	860	380
Confl. Peds. (#/hr)			1	1								
Confl. Bikes (#/hr)												
Peak Hour Factor	0.25	0.25	0.25	0.93	0.93	0.93	0.83	0.83	0.83	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	166	0	288	152	455	0	0	956	422
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	166	288	152	455	0	0	956	422

Intersection Summary

Lane Group	WBT	WBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (vph)	0	268	126	378	860	380
Turn Type	NA	Free	Prot	NA	NA	Perm
Protected Phases	8		5	2	6	
Permitted Phases		Free				6
Detector Phase	8		5	2	6	6
Switch Phase						
Minimum Initial (s)	4.0		6.0	10.0	10.0	10.0
Minimum Split (s)	33.9		23.3	25.0	25.0	25.0
Total Split (s)	37.9		26.1	62.1	36.0	36.0
Total Split (%)	37.9%		26.1%	62.1%	36.0%	36.0%
Yellow Time (s)	3.9		4.3	6.0	6.0	6.0
All-Red Time (s)	1.0		1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9		5.3	7.0	7.0	7.0
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode	None		None	Min	C-Min	C-Min
Act Effct Green (s)	15.8	100.0	12.9	72.3	54.1	54.1
Actuated g/C Ratio	0.16	1.00	0.13	0.72	0.54	0.54
v/c Ratio	0.60	0.18	0.67	0.18	0.50	0.40
Control Delay	46.6	0.3	55.0	5.5	18.0	3.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	46.6	0.3	55.0	5.5	18.0	3.3
LOS	D	A	D	A	B	A
Approach Delay	17.2			17.9	13.5	
Approach LOS	B			B	B	

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 100	
Offset: 39 (39%), Referenced to phase 3: and 6:SBT, Start of Yellow	
Natural Cycle: 85	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.67	
Intersection Signal Delay: 15.3	Intersection LOS: B
Intersection Capacity Utilization 68.7%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 24: Mission Village Drive & Friar Road WB





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	154	0	268	126	378	0	0	860	380
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				166	0	0	152	455	0	0	956	89
Adj No. of Lanes				0	1	1	1	2	0	0	2	1
Peak Hour Factor				0.93	0.93	0.93	0.83	0.83	0.83	0.90	0.90	0.90
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				772	0	689	184	1578	0	0	1023	458
Arrive On Green				0.44	0.00	0.00	0.10	0.45	0.00	0.00	0.29	0.29
Sat Flow, veh/h				1774	0	1583	1774	3632	0	0	3632	1583
Grp Volume(v), veh/h				166	0	0	152	455	0	0	956	89
Grp Sat Flow(s),veh/h/ln				1774	0	1583	1774	1770	0	0	1770	1583
Q Serve(g_s), s				5.8	0.0	0.0	8.4	8.2	0.0	0.0	26.3	4.2
Cycle Q Clear(g_c), s				5.8	0.0	0.0	8.4	8.2	0.0	0.0	26.3	4.2
Prop In Lane				1.00		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				772	0	689	184	1578	0	0	1023	458
V/C Ratio(X)				0.22	0.00	0.00	0.83	0.29	0.00	0.00	0.93	0.19
Avail Cap(c_a), veh/h				772	0	689	369	1950	0	0	1026	459
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	0.98	0.98	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				17.6	0.0	0.0	43.9	17.6	0.0	0.0	34.6	26.8
Incr Delay (d2), s/veh				0.1	0.0	0.0	3.5	0.1	0.0	0.0	16.2	0.9
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				2.9	0.0	0.0	4.3	4.0	0.0	0.0	15.2	2.0
LnGrp Delay(d),s/veh				17.7	0.0	0.0	47.4	17.7	0.0	0.0	50.8	27.7
LnGrp LOS				B			D	B			D	C
Approach Vol, veh/h					166			607			1045	
Approach Delay, s/veh					17.7			25.2			48.8	
Approach LOS					B			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		51.6			15.7	35.9		48.4
Change Period (Y+Rc), s		7.0			5.3	7.0		4.9
Max Green Setting (Gmax), s		55.1			20.8	29.0		33.0
Max Q Clear Time (g_c+I1), s		10.2			10.4	28.3		7.8
Green Ext Time (p_c), s		19.3			0.1	0.6		0.6

Intersection Summary	
HCM 2010 Ctrl Delay	38.1
HCM 2010 LOS	D



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		1	0		0	0		1	1		0
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor									0.97	1.00		
Frt			0.850						0.850			
Flt Protected		0.953								0.950		
Satd. Flow (prot)	0	1775	1583	0	0	0	0	3539	1583	1770	3539	0
Flt Permitted		0.953								0.950		
Satd. Flow (perm)	0	1775	1583	0	0	0	0	3539	1540	1762	3539	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			295						163			
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		731			746			159			546	
Travel Time (s)		16.6			17.0			3.6			12.4	

Intersection Summary	
Area Type:	Other



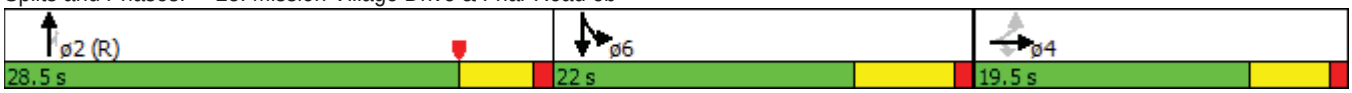
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	233	1	239	0	0	0	0	251	137	415	608	0
Confl. Peds. (#/hr)							4		4	4		4
Confl. Bikes (#/hr)						1			1			
Peak Hour Factor	0.81	0.81	0.81	0.25	0.25	0.25	0.84	0.84	0.84	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	288	1	295	0	0	0	0	299	163	456	668	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	289	295	0	0	0	0	299	163	456	668	0

Intersection Summary

Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	1	239	251	137	415	608
Turn Type	NA	Perm	NA	Perm	Split	NA
Protected Phases	4		2		6	6
Permitted Phases		4		2		
Detector Phase	4	4	2	2	6	6
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	21.2	21.2	27.9	27.9	23.2	23.2
Total Split (s)	19.5	19.5	28.5	28.5	22.0	22.0
Total Split (%)	27.9%	27.9%	40.7%	40.7%	31.4%	31.4%
Yellow Time (s)	4.2	4.2	3.9	3.9	5.2	5.2
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.2	5.2	4.9	4.9	6.2	6.2
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	None	None	C-Max	C-Max	Min	Min
Act Effct Green (s)	13.7	13.7	24.2	24.2	15.8	15.8
Actuated g/C Ratio	0.20	0.20	0.35	0.35	0.23	0.23
v/c Ratio	0.83	0.54	0.24	0.26	1.14	0.84
Control Delay	49.0	7.5	17.3	4.3	119.1	37.2
Queue Delay	0.0	0.0	2.8	1.4	0.0	0.0
Total Delay	49.0	7.5	20.1	5.7	119.1	37.2
LOS	D	A	C	A	F	D
Approach Delay	28.0		15.0			70.4
Approach LOS	C		B			E

Intersection Summary	
Cycle Length: 70	
Actuated Cycle Length: 70	
Offset: 14 (20%), Referenced to phase 2:NBT, Start of Yellow	
Natural Cycle: 80	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 1.14	
Intersection Signal Delay: 47.2	Intersection LOS: D
Intersection Capacity Utilization 68.7%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 25: Mission Village Drive & Friar Road eb



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	233	1	239	0	0	0	0	251	137	415	608	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	288	1	5				0	299	32	456	668	0
Adj No. of Lanes	0	1	1				0	2	1	1	2	0
Peak Hour Factor	0.81	0.81	0.81				0.84	0.84	0.84	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	334	1	299				0	1248	543	400	799	0
Arrive On Green	0.19	0.19	0.19				0.00	0.35	0.35	0.23	0.23	0.00
Sat Flow, veh/h	1768	6	1583				0	3632	1541	1774	3632	0
Grp Volume(v), veh/h	289	0	5				0	299	32	456	668	0
Grp Sat Flow(s),veh/h/ln	1774	0	1583				0	1770	1541	1774	1770	0
Q Serve(g_s), s	11.0	0.0	0.2				0.0	4.2	1.0	15.8	12.6	0.0
Cycle Q Clear(g_c), s	11.0	0.0	0.2				0.0	4.2	1.0	15.8	12.6	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	335	0	299				0	1248	543	400	799	0
V/C Ratio(X)	0.86	0.00	0.02				0.00	0.24	0.06	1.14	0.84	0.00
Avail Cap(c_a), veh/h	362	0	323				0	1248	543	400	799	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	0.86	0.86	0.00
Uniform Delay (d), s/veh	27.5	0.0	23.1				0.0	16.0	15.0	27.1	25.9	0.0
Incr Delay (d2), s/veh	17.8	0.0	0.0				0.0	0.5	0.2	85.6	6.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	0.0	0.1				0.0	2.1	0.4	17.2	6.9	0.0
LnGrp Delay(d),s/veh	45.4	0.0	23.1				0.0	16.5	15.2	112.7	32.6	0.0
LnGrp LOS	D		C					B	B	F	C	
Approach Vol, veh/h		294						331			1124	
Approach Delay, s/veh		45.0						16.4			65.1	
Approach LOS		D						B			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		29.6		18.4		22.0		
Change Period (Y+Rc), s		4.9		5.2		6.2		
Max Green Setting (Gmax), s		23.6		14.3		15.8		
Max Q Clear Time (g_c+I1), s		6.2		13.0		17.8		
Green Ext Time (p_c), s		1.8		0.2		0.0		

Intersection Summary	
HCM 2010 Ctrl Delay	52.5
HCM 2010 LOS	D



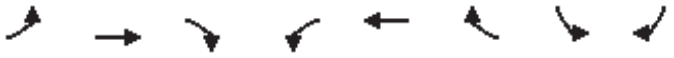
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	600		600
Storage Lanes	1		1	1		1	0		0	2		1
Taper Length (ft)	0			0			0			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	1.00	1.00	1.00	1.00	0.97	1.00	0.88
Ped Bike Factor												
Frt			0.850			0.850						0.850
Flt Protected	0.950			0.950						0.950		
Satd. Flow (prot)	1770	5085	1583	1770	5085	1583	0	0	0	3433	0	2787
Flt Permitted	0.950			0.950						0.950		
Satd. Flow (perm)	1770	5085	1583	1770	5085	1583	0	0	0	3433	0	2787
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			522			223						32
Link Speed (mph)		50			50			45			45	
Link Distance (ft)		760			1297			422			768	
Travel Time (s)		10.4			17.7			6.4			11.6	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	434	1829	662	227	1123	314	0	0	0	1017	0	368
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.92	0.92	0.92	0.93	0.93	0.93	0.25	0.25	0.25	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	472	1988	720	244	1208	338	0	0	0	1094	0	396
Shared Lane Traffic (%)												
Lane Group Flow (vph)	472	1988	720	244	1208	338	0	0	0	1094	0	396

Intersection Summary



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBR
Lane Configurations								
Volume (vph)	434	1829	662	227	1123	314	1017	368
Turn Type	Prot	NA	Perm	Prot	NA	Free	Prot	pm+ov
Protected Phases	5	2		1	6		4	5
Permitted Phases			2			Free		4
Detector Phase	5	2	2	1	6		4	5
Switch Phase								
Minimum Initial (s)	5.0	14.0	14.0	5.0	13.0		5.0	5.0
Minimum Split (s)	9.7	21.0	21.0	9.2	20.0		10.1	9.7
Total Split (s)	42.0	68.0	68.0	24.0	50.0		44.0	42.0
Total Split (%)	30.9%	50.0%	50.0%	17.6%	36.8%		32.4%	30.9%
Yellow Time (s)	3.2	5.0	5.0	3.2	5.0		3.6	3.2
All-Red Time (s)	1.5	2.0	2.0	1.0	2.0		1.5	1.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.7	7.0	7.0	4.2	7.0		5.1	4.7
Lead/Lag	Lead	Lag	Lag	Lead	Lag			Lead
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes			Yes
Recall Mode	None	C-Min	C-Min	None	C-Min		None	None
Act Effct Green (s)	37.1	60.3	60.3	19.5	42.2	136.0	39.9	82.1
Actuated g/C Ratio	0.27	0.44	0.44	0.14	0.31	1.00	0.29	0.60
v/c Ratio	0.98	0.88	0.73	0.96	0.77	0.21	1.09	0.23
Control Delay	84.8	40.2	12.4	105.4	46.1	0.3	100.4	11.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	84.8	40.2	12.4	105.4	46.1	0.3	100.4	11.9
LOS	F	D	B	F	D	A	F	B
Approach Delay		40.5			45.6			
Approach LOS		D			D			

Intersection Summary	
Cycle Length: 136	
Actuated Cycle Length: 136	
Offset: 119 (88%), Referenced to phase 2:EBT and 6:WBT, Start of Green	
Natural Cycle: 110	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 1.09	
Intersection Signal Delay: 50.3	Intersection LOS: D
Intersection Capacity Utilization 89.6%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 26: I-15 SB Ramps & Friar Roads



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	434	1829	662	227	1123	314	0	0	0	1017	0	368
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863				1863	0	1863
Adj Flow Rate, veh/h	472	1988	405	244	1208	0				1094	0	364
Adj No. of Lanes	1	3	1	1	3	1				2	0	2
Peak Hour Factor	0.92	0.92	0.92	0.93	0.93	0.93				0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2				2	0	2
Cap, veh/h	487	2281	710	258	1608	501				984	0	1561
Arrive On Green	0.27	0.45	0.45	0.15	0.32	0.00				0.29	0.00	0.29
Sat Flow, veh/h	1774	5085	1583	1774	5085	1583				3442	0	2787
Grp Volume(v), veh/h	472	1988	405	244	1208	0				1094	0	364
Grp Sat Flow(s),veh/h/ln	1774	1695	1583	1774	1695	1583				1721	0	1393
Q Serve(g_s), s	35.8	48.1	25.8	18.5	29.0	0.0				38.9	0.0	9.0
Cycle Q Clear(g_c), s	35.8	48.1	25.8	18.5	29.0	0.0				38.9	0.0	9.0
Prop In Lane	1.00		1.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	487	2281	710	258	1608	501				984	0	1561
V/C Ratio(X)	0.97	0.87	0.57	0.94	0.75	0.00				1.11	0.00	0.23
Avail Cap(c_a), veh/h	487	2281	710	258	1608	501				984	0	1561
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.66	0.66	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	48.8	34.0	27.8	57.6	41.7	0.0				48.5	0.0	15.1
Incr Delay (d2), s/veh	32.9	4.9	3.3	31.3	2.2	0.0				64.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	22.0	23.5	11.9	11.3	13.9	0.0				27.3	0.0	9.9
LnGrp Delay(d),s/veh	81.7	38.9	31.1	88.9	43.9	0.0				112.9	0.0	15.2
LnGrp LOS	F	D	C	F	D					F		B
Approach Vol, veh/h		2865			1452						1458	
Approach Delay, s/veh		44.8			51.5						88.5	
Approach LOS		D			D						F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		
Phs Duration (G+Y+Rc), s	24.0	68.0		44.0	42.0	50.0		
Change Period (Y+Rc), s	* 4.2	7.0		5.1	* 4.7	7.0		
Max Green Setting (Gmax), s	* 20	61.0		38.9	* 37	43.0		
Max Q Clear Time (g_c+I1), s	20.5	50.1		40.9	37.8	31.0		
Green Ext Time (p_c), s	0.0	9.3		0.0	0.0	10.2		

Intersection Summary	
HCM 2010 Ctrl Delay	57.5
HCM 2010 LOS	E

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	520			0	0	0
Storage Lanes	1			1	0	0
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	0.91	0.86	0.86	1.00	1.00
Ped Bike Factor						
Frt			0.963	0.850		
Flt Protected	0.950					
Satd. Flow (prot)	1770	5085	4628	1362	0	0
Flt Permitted	0.950					
Satd. Flow (perm)	1770	5085	4628	1362	0	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			146	241		
Link Speed (mph)		50	50		30	
Link Distance (ft)		1297	893		840	
Travel Time (s)		17.7	12.2		19.1	

Intersection Summary	
Area Type:	Other



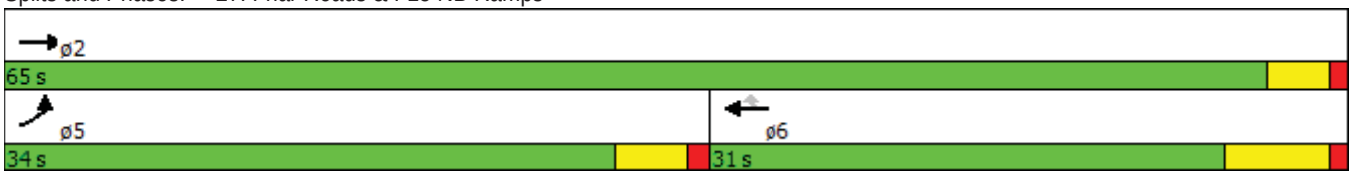
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	489	2369	978	701	0	0
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.93	0.93	0.96	0.96	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	526	2547	1019	730	0	0
Shared Lane Traffic (%)				45%		
Lane Group Flow (vph)	526	2547	1348	401	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR
Lane Configurations				
Volume (vph)	489	2369	978	701
Turn Type	Prot	NA	NA	Perm
Protected Phases	5	2	6	
Permitted Phases				6
Detector Phase	5	2	6	6
Switch Phase				
Minimum Initial (s)	5.0	2.0	14.0	14.0
Minimum Split (s)	9.5	6.0	20.0	20.0
Total Split (s)	34.0	65.0	31.0	31.0
Total Split (%)	52.3%	100.0%	47.7%	47.7%
Yellow Time (s)	3.5	3.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag
Lead-Lag Optimize?	Yes		Yes	Yes
Recall Mode	None	Min	Min	Min
Act Effct Green (s)	19.7	51.4	20.7	20.7
Actuated g/C Ratio	0.38	1.00	0.40	0.40
v/c Ratio	0.78	0.50	0.69	0.58
Control Delay	23.1	0.4	14.2	9.6
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	23.1	0.4	14.2	9.6
LOS	C	A	B	A
Approach Delay		4.2	13.1	
Approach LOS		A	B	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 51.4	
Natural Cycle: 45	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 7.5	Intersection LOS: A
Intersection Capacity Utilization 64.8%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 27: Friar Roads & I-15 NB Ramps





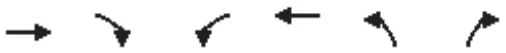
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	489	2369	978	701	0	0
Number	5	2	6	16		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00			1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863		
Adj Flow Rate, veh/h	526	2547	1019	0		
Adj No. of Lanes	1	3	3	1		
Peak Hour Factor	0.93	0.93	0.96	0.96		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	600	4408	2397	679		
Arrive On Green	0.34	0.87	0.43	0.00		
Sat Flow, veh/h	1774	5253	5588	1583		
Grp Volume(v), veh/h	526	2547	1019	0		
Grp Sat Flow(s),veh/h/ln	1774	1695	1863	1583		
Q Serve(g_s), s	12.6	6.0	5.7	0.0		
Cycle Q Clear(g_c), s	12.6	6.0	5.7	0.0		
Prop In Lane	1.00			1.00		
Lane Grp Cap(c), veh/h	600	4408	2397	679		
V/C Ratio(X)	0.88	0.58	0.43	0.00		
Avail Cap(c_a), veh/h	1162	6886	3101	879		
HCM Platoon Ratio	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	0.00		
Uniform Delay (d), s/veh	14.0	0.8	9.0	0.0		
Incr Delay (d2), s/veh	1.7	0.0	0.0	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	6.4	2.6	2.9	0.0		
LnGrp Delay(d),s/veh	15.7	0.8	9.0	0.0		
LnGrp LOS	B	A	A			
Approach Vol, veh/h		3073	1019			
Approach Delay, s/veh		3.4	9.0			
Approach LOS		A	A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		
Phs Duration (G+Y+Rc), s		45.0			19.7	25.3		
Change Period (Y+Rc), s		* 6			4.5	6.0		
Max Green Setting (Gmax), s		* 61			29.5	25.0		
Max Q Clear Time (g_c+I1), s		8.0			14.6	7.7		
Green Ext Time (p_c), s		20.1			0.7	11.6		

Intersection Summary	
HCM 2010 Ctrl Delay	4.8
HCM 2010 LOS	A

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		400	160		160	0
Storage Lanes		1	1		2	1
Taper Length (ft)			25		25	
Lane Util. Factor	0.91	1.00	1.00	0.86	0.97	0.91
Ped Bike Factor						
Frt		0.850			0.994	0.850
Flt Protected			0.950		0.954	
Satd. Flow (prot)	5085	1583	1770	6408	3427	1441
Flt Permitted			0.950		0.954	
Satd. Flow (perm)	5085	1583	1770	6408	3427	1441
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		489			3	150
Link Speed (mph)	50			50	45	
Link Distance (ft)	893			357	577	
Travel Time (s)	12.2			4.9	8.7	

Intersection Summary	
Area Type:	Other



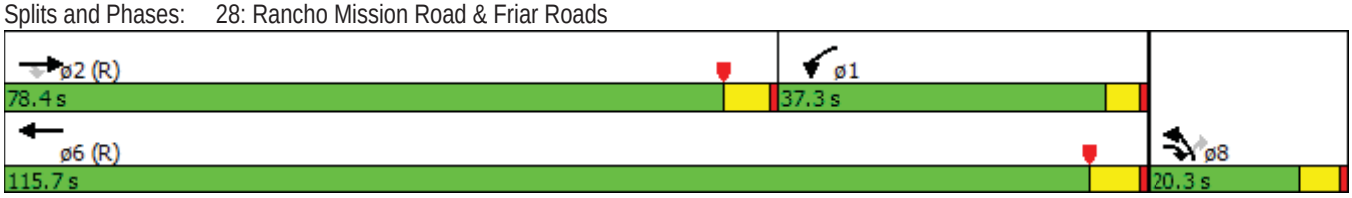
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	2561	469	80	1367	338	150
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.96	0.96	0.92	0.92	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	2668	489	87	1486	376	167
Shared Lane Traffic (%)						10%
Lane Group Flow (vph)	2668	489	87	1486	393	150

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (vph)	2561	469	80	1367	338	150
Turn Type	NA	pm+ov	Prot	NA	Prot	Perm
Protected Phases	2	8	1	6	8	
Permitted Phases		2				8
Detector Phase	2	8	1	6	8	8
Switch Phase						
Minimum Initial (s)	10.0	4.0	4.0	10.0	4.0	4.0
Minimum Split (s)	34.8	37.1	8.4	22.0	37.1	37.1
Total Split (s)	78.4	20.3	37.3	115.7	20.3	20.3
Total Split (%)	57.6%	14.9%	27.4%	85.1%	14.9%	14.9%
Yellow Time (s)	4.8	4.1	3.4	5.0	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.8	5.1	4.4	6.0	5.1	5.1
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	C-Min	None	None	C-Min	None	None
Act Effct Green (s)	86.7	115.4	11.1	102.0	22.9	22.9
Actuated g/C Ratio	0.64	0.85	0.08	0.75	0.17	0.17
v/c Ratio	0.82	0.35	0.60	0.31	0.68	0.41
Control Delay	22.4	0.9	77.0	5.8	59.1	10.6
Queue Delay	0.9	0.0	0.0	0.0	0.0	0.0
Total Delay	23.3	0.9	77.0	5.8	59.1	10.6
LOS	C	A	E	A	E	B
Approach Delay	19.8			9.7	45.7	
Approach LOS	B			A	D	

Intersection Summary	
Cycle Length: 136	
Actuated Cycle Length: 136	
Offset: 20 (15%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 115	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.82	
Intersection Signal Delay: 19.5	Intersection LOS: B
Intersection Capacity Utilization 77.9%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 28: Rancho Mission Road & Friar Roads



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	2561	469	80	1367	338	150
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	2668	36	87	1486	376	17
Adj No. of Lanes	3	1	1	4	2	1
Peak Hour Factor	0.96	0.96	0.92	0.92	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2714	1022	408	5169	397	177
Arrive On Green	0.53	0.53	0.23	0.81	0.11	0.11
Sat Flow, veh/h	5253	1583	1774	6669	3548	1583
Grp Volume(v), veh/h	2668	36	87	1486	376	17
Grp Sat Flow(s),veh/h/ln	1695	1583	1774	1602	1774	1583
Q Serve(g_s), s	70.0	1.1	5.4	7.9	14.3	1.3
Cycle Q Clear(g_c), s	70.0	1.1	5.4	7.9	14.3	1.3
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	2714	1022	408	5169	397	177
V/C Ratio(X)	0.98	0.04	0.21	0.29	0.95	0.10
Avail Cap(c_a), veh/h	2715	1022	429	5169	397	177
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.86	0.86	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	31.1	8.7	42.4	3.3	60.0	54.2
Incr Delay (d2), s/veh	12.5	0.1	0.1	0.1	31.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	35.7	0.7	2.7	3.5	8.8	0.6
LnGrp Delay(d),s/veh	43.6	8.8	42.5	3.5	91.8	54.3
LnGrp LOS	D	A	D	A	F	D
Approach Vol, veh/h	2704			1573	393	
Approach Delay, s/veh	43.1			5.6	90.2	
Approach LOS	D			A	F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	37.3	78.4				115.7		20.3
Change Period (Y+Rc), s	6.0	* 5.8				6.0		5.1
Max Green Setting (Gmax), s	32.9	* 73				109.7		15.2
Max Q Clear Time (g_c+I1), s	7.4	72.0				9.9		16.3
Green Ext Time (p_c), s	18.0	0.6				37.0		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	34.4
HCM 2010 LOS	C

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	200			190	200	0
Storage Lanes	2			0	2	1
Taper Length (ft)	25				25	
Lane Util. Factor	0.97	0.91	0.86	0.86	0.97	1.00
Ped Bike Factor	1.00		1.00			
Frt			0.994			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3433	5085	6366	0	3433	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3432	5085	6366	0	3433	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			8			16
Link Speed (mph)		50	50		25	
Link Distance (ft)		828	1698		1636	
Travel Time (s)		11.3	23.2		44.6	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	208	2451	1287	51	68	165
Confl. Peds. (#/hr)	1			1		
Confl. Bikes (#/hr)				2		
Peak Hour Factor	0.97	0.97	0.93	0.93	0.70	0.70
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	214	2527	1384	55	97	236
Shared Lane Traffic (%)						
Lane Group Flow (vph)	214	2527	1439	0	97	236

Intersection Summary

Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Configurations					
Volume (vph)	208	2451	1287	68	165
Turn Type	Prot	NA	NA	Prot	pm+ov
Protected Phases	5	2	6	4	5
Permitted Phases					4
Detector Phase	5	2	6	4	5
Switch Phase					
Minimum Initial (s)	4.0	10.0	10.0	4.0	4.0
Minimum Split (s)	8.4	16.5	31.8	41.4	8.4
Total Split (s)	20.0	79.4	59.4	40.6	20.0
Total Split (%)	16.7%	66.2%	49.5%	33.8%	16.7%
Yellow Time (s)	3.4	5.5	4.8	3.4	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	6.5	5.8	4.4	4.4
Lead/Lag	Lead		Lag		Lead
Lead-Lag Optimize?	Yes		Yes		Yes
Recall Mode	None	C-Min	C-Min	None	None
Act Effct Green (s)	13.2	101.3	84.4	7.8	25.4
Actuated g/C Ratio	0.11	0.84	0.70	0.06	0.21
v/c Ratio	0.57	0.59	0.32	0.43	0.68
Control Delay	55.8	3.7	7.5	59.7	49.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	55.8	3.7	7.5	59.7	49.8
LOS	E	A	A	E	D
Approach Delay		7.7	7.5	52.7	
Approach LOS		A	A	D	

Intersection Summary

Cycle Length: 120
Actuated Cycle Length: 120
Offset: 110 (92%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow
Natural Cycle: 95
Control Type: Actuated-Coordinated
Maximum v/c Ratio: 0.68
Intersection Signal Delay: 11.0 Intersection LOS: B
Intersection Capacity Utilization 59.8% ICU Level of Service B
Analysis Period (min) 15

Splits and Phases: 29: Friar Roads & Santo Road





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	208	2451	1287	51	68	165
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	214	2527	1384	50	97	215
Adj No. of Lanes	2	3	4	0	2	1
Peak Hour Factor	0.97	0.97	0.93	0.93	0.70	0.70
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	273	3895	4154	150	493	352
Arrive On Green	0.08	0.77	0.65	0.65	0.14	0.14
Sat Flow, veh/h	3442	5253	6652	231	3442	1583
Grp Volume(v), veh/h	214	2527	1040	394	97	215
Grp Sat Flow(s),veh/h/ln	1721	1695	1602	1816	1721	1583
Q Serve(g_s), s	7.3	27.8	11.6	11.6	3.0	14.7
Cycle Q Clear(g_c), s	7.3	27.8	11.6	11.6	3.0	14.7
Prop In Lane	1.00			0.13	1.00	1.00
Lane Grp Cap(c), veh/h	273	3895	3124	1180	493	352
V/C Ratio(X)	0.78	0.65	0.33	0.33	0.20	0.61
Avail Cap(c_a), veh/h	447	3895	3124	1180	1038	603
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.73	0.73	1.00	1.00
Uniform Delay (d), s/veh	54.2	6.5	9.4	9.4	45.3	42.0
Incr Delay (d2), s/veh	1.9	0.8	0.2	0.6	0.1	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	12.9	5.2	6.0	1.4	12.7
LnGrp Delay(d),s/veh	56.1	7.4	9.6	9.9	45.4	42.6
LnGrp LOS	E	A	A	A	D	D
Approach Vol, veh/h		2741	1434		312	
Approach Delay, s/veh		11.2	9.7		43.5	
Approach LOS		B	A		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		98.4		21.6	13.9	84.5		
Change Period (Y+Rc), s		6.5		4.4	4.4	* 6.5		
Max Green Setting (Gmax), s		72.9		36.2	15.6	* 54		
Max Q Clear Time (g_c+I1), s		29.8		16.7	9.3	13.6		
Green Ext Time (p_c), s		41.0		0.5	0.2	38.1		

Intersection Summary	
HCM 2010 Ctrl Delay	13.0
HCM 2010 LOS	B

Notes

User approved pedestrian interval to be less than phase max green.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	220		315	190		0	150		200	130		0
Storage Lanes	1		1	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.91	1.00	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00		0.97	1.00	1.00		1.00	0.99		1.00	0.99	
Frt			0.850		0.994			0.909			0.891	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	5085	1583	1770	5050	0	1770	1675	0	1770	1638	0
Flt Permitted	0.950			0.950			0.564			0.504		
Satd. Flow (perm)	1769	5085	1529	1769	5050	0	1046	1675	0	936	1638	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			183		6			81			136	
Link Speed (mph)		50			50			25			25	
Link Distance (ft)		1698			655			1012			895	
Travel Time (s)		23.2			8.9			27.6			24.4	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	214	2190	196	42	970	42	244	76	115	34	40	105
Confl. Peds. (#/hr)	1		6	6		1	7		5	5		7
Confl. Bikes (#/hr)			1						3			
Peak Hour Factor	0.96	0.96	0.96	0.90	0.90	0.90	0.84	0.84	0.84	0.77	0.77	0.77
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	223	2281	204	47	1078	47	290	90	137	44	52	136
Shared Lane Traffic (%)												
Lane Group Flow (vph)	223	2281	204	47	1125	0	290	227	0	44	188	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Configurations									
Volume (vph)	214	2190	196	42	970	244	76	34	40
Turn Type	Prot	NA	Perm	Prot	NA	Perm	NA	Perm	NA
Protected Phases	5	2		1	6		8		4
Permitted Phases			2			8		4	
Detector Phase	5	2	2	1	6	8	8	4	4
Switch Phase									
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	28.7	28.7	8.4	28.9	39.9	39.9	39.9	39.9
Total Split (s)	23.5	45.3	45.3	17.5	39.3	42.0	42.0	42.2	42.2
Total Split (%)	22.4%	43.1%	43.1%	16.7%	37.4%	40.0%	40.0%	40.2%	40.2%
Yellow Time (s)	3.4	4.7	4.7	3.4	4.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.7	5.7	4.4	5.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	C-Min	C-Min	None	C-Min	None	None	None	None
Act Effct Green (s)	16.4	53.1	53.1	7.3	41.9	31.4	31.4	31.4	31.4
Actuated g/C Ratio	0.16	0.51	0.51	0.07	0.40	0.30	0.30	0.30	0.30
v/c Ratio	0.81	0.89	0.24	0.39	0.56	0.93	0.41	0.16	0.32
Control Delay	64.5	31.2	4.7	55.0	27.3	70.8	19.4	26.0	9.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	64.5	31.2	4.7	55.0	27.3	70.8	19.4	26.0	9.5
LOS	E	C	A	E	C	E	B	C	A
Approach Delay		32.0			28.4		48.2		12.6
Approach LOS		C			C		D		B

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 105	
Offset: 100 (95%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow	
Natural Cycle: 90	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.93	
Intersection Signal Delay: 31.9	Intersection LOS: C
Intersection Capacity Utilization 89.0%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 30: Riverdale Street & Friar Roads



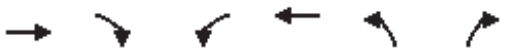
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	214	2190	196	42	970	42	244	76	115	34	40	105
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.99	0.99		0.98	0.99		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	223	2281	84	47	1078	41	290	90	77	44	52	19
Adj No. of Lanes	1	3	1	1	3	0	1	1	0	1	1	0
Peak Hour Factor	0.96	0.96	0.96	0.90	0.90	0.90	0.84	0.84	0.84	0.77	0.77	0.77
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	254	2736	830	60	2156	82	402	260	223	317	368	135
Arrive On Green	0.14	0.54	0.54	0.03	0.43	0.43	0.28	0.28	0.28	0.28	0.28	0.28
Sat Flow, veh/h	1774	5085	1542	1774	5027	191	1316	918	786	1207	1300	475
Grp Volume(v), veh/h	223	2281	84	47	727	392	290	0	167	44	0	71
Grp Sat Flow(s),veh/h/ln	1774	1695	1542	1774	1695	1827	1316	0	1704	1207	0	1775
Q Serve(g_s), s	12.9	39.5	2.8	2.8	16.4	16.4	22.2	0.0	8.2	3.2	0.0	3.1
Cycle Q Clear(g_c), s	12.9	39.5	2.8	2.8	16.4	16.4	25.3	0.0	8.2	11.3	0.0	3.1
Prop In Lane	1.00		1.00	1.00		0.10	1.00		0.46	1.00		0.27
Lane Grp Cap(c), veh/h	254	2736	830	60	1454	784	402	0	483	317	0	503
V/C Ratio(X)	0.88	0.83	0.10	0.78	0.50	0.50	0.72	0.00	0.35	0.14	0.00	0.14
Avail Cap(c_a), veh/h	323	2736	830	221	1454	784	494	0	602	403	0	630
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.79	0.79	0.79	0.34	0.34	0.34	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	44.1	20.3	11.9	50.3	21.8	21.8	37.5	0.0	29.9	34.4	0.0	28.1
Incr Delay (d2), s/veh	13.8	2.5	0.2	2.8	0.4	0.8	2.7	0.0	0.2	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.3	19.0	1.2	1.4	7.8	8.5	8.4	0.0	3.9	1.1	0.0	1.5
LnGrp Delay(d),s/veh	57.9	22.8	12.0	53.2	22.2	22.6	40.3	0.0	30.1	34.5	0.0	28.1
LnGrp LOS	E	C	B	D	C	C	D		C	C		C
Approach Vol, veh/h		2588			1166			457			115	
Approach Delay, s/veh		25.5			23.6			36.5			30.6	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.0	62.4		34.6	19.4	50.9		34.6
Change Period (Y+Rc), s	4.4	* 5.9		4.9	4.4	5.9		4.9
Max Green Setting (Gmax), s	13.1	* 40		37.3	19.1	33.4		37.1
Max Q Clear Time (g_c+I1), s	4.8	41.5		13.3	14.9	18.4		27.3
Green Ext Time (p_c), s	0.0	0.0		1.5	0.1	14.4		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	26.3
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		90	190		140	0
Storage Lanes		1	1		1	2
Taper Length (ft)			25		25	
Lane Util. Factor	0.91	1.00	0.97	1.00	1.00	0.88
Ped Bike Factor						
Frt		0.850				0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	5085	1583	3433	0	1770	2787
Flt Permitted			0.950		0.950	
Satd. Flow (perm)	5085	1583	3433	0	1770	2787
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		36				5
Link Speed (mph)	50			50	45	
Link Distance (ft)	655			989	1463	
Travel Time (s)	8.9			13.5	22.2	

Intersection Summary	
Area Type:	Other



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	2073	196	198	0	314	473
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.95	0.95	0.94	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	2182	206	211	0	334	503
Shared Lane Traffic (%)						
Lane Group Flow (vph)	2182	206	211	0	334	503

Intersection Summary

Lane Group	EBT	EBR	WBL	NBL	NBR
Lane Configurations					
Volume (vph)	2073	196	198	314	473
Turn Type	NA	Free	Prot	Prot	pm+ov
Protected Phases	2		1	3	1
Permitted Phases		Free			3
Detector Phase	2		1	3	1
Switch Phase					
Minimum Initial (s)	10.0		4.0	4.0	4.0
Minimum Split (s)	30.8		8.4	8.4	8.4
Total Split (s)	67.4		19.6	33.0	19.6
Total Split (%)	56.2%		16.3%	27.5%	16.3%
Yellow Time (s)	4.8		3.4	3.4	3.4
All-Red Time (s)	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0		0.0	0.0	0.0
Total Lost Time (s)	5.8		4.4	4.4	4.4
Lead/Lag	Lead		Lag		Lag
Lead-Lag Optimize?	Yes		Yes		Yes
Recall Mode	C-Min		None	None	None
Act Effct Green (s)	62.9	120.0	16.9	25.6	46.9
Actuated g/C Ratio	0.52	1.00	0.14	0.21	0.39
v/c Ratio	0.82	0.13	0.44	0.89	0.46
Control Delay	27.6	0.2	50.5	70.8	28.1
Queue Delay	0.8	0.0	0.0	0.0	0.0
Total Delay	28.4	0.2	50.5	70.8	28.1
LOS	C	A	D	E	C
Approach Delay	26.0			45.1	
Approach LOS	C			D	

Intersection Summary	
Cycle Length: 120	
Actuated Cycle Length: 120	
Offset: 27 (23%), Referenced to phase 2:EBT, Start of Yellow	
Natural Cycle: 70	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.89	
Intersection Signal Delay: 32.1	Intersection LOS: C
Intersection Capacity Utilization 74.9%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 31: Mission Gorge Road & Friar Roads



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	2073	196	198	0	314	473
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	2182	0	211	0	334	476
Adj No. of Lanes	3	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	0	2	2
Cap, veh/h	2507	781	612	0	368	1074
Arrive On Green	0.49	0.00	0.18	0.00	0.21	0.21
Sat Flow, veh/h	5253	1583	3442	211	1774	2787
Grp Volume(v), veh/h	2182	0	211	43.3	334	476
Grp Sat Flow(s),veh/h/ln	1695	1583	1721	D	1774	1393
Q Serve(g_s), s	45.7	0.0	6.4		22.1	0.0
Cycle Q Clear(g_c), s	45.7	0.0	6.4		22.1	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	2507	781	612		368	1074
V/C Ratio(X)	0.87	0.00	0.35		0.91	0.44
Avail Cap(c_a), veh/h	2610	813	612		423	1159
HCM Platoon Ratio	1.00	1.00	1.00		1.00	1.00
Upstream Filter(I)	0.37	0.00	1.00		1.00	1.00
Uniform Delay (d), s/veh	27.0	0.0	43.2		46.4	27.3
Incr Delay (d2), s/veh	1.7	0.0	0.1		19.9	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0
%ile BackOfQ(50%),veh/ln	21.6	0.0	3.1		12.8	5.8
LnGrp Delay(d),s/veh	28.7	0.0	43.3		66.3	27.5
LnGrp LOS	C		D		E	C
Approach Vol, veh/h	2182				810	
Approach Delay, s/veh	28.7				43.5	
Approach LOS	C				D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2						8
Phs Duration (G+Y+Rc), s	25.7	65.0						29.3
Change Period (Y+Rc), s	4.4	5.8						4.4
Max Green Setting (Gmax), s	15.2	61.6						28.6
Max Q Clear Time (g_c+I1), s	8.4	47.7						24.1
Green Ext Time (p_c), s	0.2	11.5						0.9

Intersection Summary	
HCM 2010 Ctrl Delay	33.4
HCM 2010 LOS	C



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		200	0		200	120		0	120		0
Storage Lanes	0		1	0		1	1		1	1		1
Taper Length (ft)	0			0			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor		0.99	0.98		1.00	0.98	0.99		0.96	0.99		0.96
Frt			0.850			0.850			0.850			0.850
Flt Protected		0.956			0.956		0.950			0.950		
Satd. Flow (prot)	0	1781	1583	0	1781	1583	1770	3539	1583	1770	3539	1583
Flt Permitted		0.617			0.535		0.950			0.950		
Satd. Flow (perm)	0	1138	1555	0	993	1544	1757	3539	1524	1759	3539	1519
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			168			122			75			90
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		385			388			1038			247	
Travel Time (s)		8.8			8.8			17.7			4.2	

Intersection Summary	
Area Type:	Other



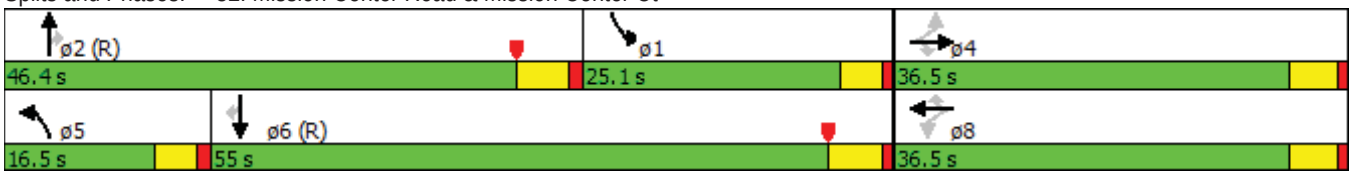
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	96	8	119	83	7	95	72	735	70	137	700	80
Confl. Peds. (#/hr)	11		4	4		11	9		6	6		9
Confl. Bikes (#/hr)			2			1						
Peak Hour Factor	0.71	0.71	0.71	0.78	0.78	0.78	0.93	0.93	0.93	0.89	0.89	0.89
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	135	11	168	106	9	122	77	790	75	154	787	90
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	146	168	0	115	122	77	790	75	154	787	90

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	96	8	119	83	7	95	72	735	70	137	700	80
Turn Type	Perm	NA	Perm	Perm	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4		4	8		8			2			6
Detector Phase	4	4	4	8	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	33.9	33.9	33.9	33.9	33.9	33.9	8.4	23.3	23.3	8.4	28.3	28.3
Total Split (s)	36.5	36.5	36.5	36.5	36.5	36.5	16.5	46.4	46.4	25.1	55.0	55.0
Total Split (%)	33.8%	33.8%	33.8%	33.8%	33.8%	33.8%	15.3%	43.0%	43.0%	23.2%	50.9%	50.9%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.9	3.9	3.4	4.3	4.3	3.4	4.3	4.3
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)		4.9	4.9		4.9	4.9	4.4	5.3	5.3	4.4	5.3	5.3
Lead/Lag							Lead	Lead	Lead	Lag	Lag	Lag
Lead-Lag Optimize?							Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	C-Min	C-Min	None	C-Min	C-Min
Act Effct Green (s)		18.2	18.2		18.2	18.2	9.1	59.5	59.5	15.7	68.0	68.0
Actuated g/C Ratio		0.17	0.17		0.17	0.17	0.08	0.55	0.55	0.15	0.63	0.63
v/c Ratio		0.76	0.42		0.69	0.34	0.52	0.41	0.09	0.60	0.35	0.09
Control Delay		65.8	8.4		61.3	8.6	58.8	16.5	4.3	48.4	10.4	2.9
Queue Delay		0.0	0.0		0.0	0.1	0.0	0.7	0.0	1.0	0.4	0.0
Total Delay		65.8	8.4		61.3	8.6	58.8	17.2	4.3	49.4	10.8	2.9
LOS		E	A		E	A	E	B	A	D	B	A
Approach Delay		35.1			34.2			19.6			15.9	
Approach LOS		D			C			B			B	

Intersection Summary	
Cycle Length: 108	
Actuated Cycle Length: 108	
Offset: 102 (94%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 75	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.76	
Intersection Signal Delay: 21.4	Intersection LOS: C
Intersection Capacity Utilization 55.6%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 32: Mission Center Road & Mission Center Ct



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	96	8	119	83	7	95	72	735	70	137	700	80
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		1.00	0.99		0.97	1.00		0.98	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	135	11	0	106	9	13	77	790	27	154	787	34
Adj No. of Lanes	0	1	1	0	1	1	1	2	1	1	2	1
Peak Hour Factor	0.71	0.71	0.71	0.78	0.78	0.78	0.93	0.93	0.93	0.89	0.89	0.89
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	242	14	309	360	28	300	99	946	416	698	2173	965
Arrive On Green	0.20	0.20	0.00	0.20	0.20	0.20	0.06	0.27	0.27	0.79	1.00	1.00
Sat Flow, veh/h	908	74	1583	1517	144	1536	1774	3539	1557	1774	3539	1572
Grp Volume(v), veh/h	146	0	0	115	0	13	77	790	27	154	787	34
Grp Sat Flow(s),veh/h/ln	982	0	1583	1661	0	1536	1774	1770	1557	1774	1770	1572
Q Serve(g_s), s	10.9	0.0	0.0	0.0	0.0	0.7	4.6	22.7	1.4	2.4	0.0	0.0
Cycle Q Clear(g_c), s	17.1	0.0	0.0	6.2	0.0	0.7	4.6	22.7	1.4	2.4	0.0	0.0
Prop In Lane	0.92		1.00	0.92		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	256	0	309	389	0	300	99	946	416	698	2173	965
V/C Ratio(X)	0.57	0.00	0.00	0.30	0.00	0.04	0.78	0.83	0.06	0.22	0.36	0.04
Avail Cap(c_a), veh/h	391	0	463	526	0	450	199	1347	592	698	2173	965
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	0.83	0.83	0.83	0.86	0.86	0.86
Uniform Delay (d), s/veh	44.8	0.0	0.0	37.5	0.0	35.3	50.4	37.3	29.5	7.2	0.0	0.0
Incr Delay (d2), s/veh	0.7	0.0	0.0	0.2	0.0	0.0	4.2	7.3	0.2	0.1	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.2	0.0	0.0	3.0	0.0	0.3	2.4	12.0	0.6	1.1	0.1	0.0
LnGrp Delay(d),s/veh	45.6	0.0	0.0	37.6	0.0	35.3	54.5	44.6	29.7	7.3	0.4	0.1
LnGrp LOS	D			D		D	D	D	C	A	A	A
Approach Vol, veh/h		146			128			894			975	
Approach Delay, s/veh		45.6			37.4			45.0			1.5	
Approach LOS		D			D			D			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	47.8	34.2		26.0	10.4	71.6		26.0
Change Period (Y+Rc), s	5.3	* 5.3		4.9	4.4	5.3		4.9
Max Green Setting (Gmax), s	20.7	* 41		31.6	12.1	49.7		31.6
Max Q Clear Time (g_c+I1), s	4.4	24.7		19.1	6.6	2.0		8.2
Green Ext Time (p_c), s	6.5	4.1		0.8	0.0	9.2		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	24.8
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	140		120	120		160	335		200	180		200
Storage Lanes	2		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	1.00	1.00	0.97	0.95	1.00	0.97	0.91	1.00	0.97	0.91	1.00
Ped Bike Factor	0.99		0.98	0.99		0.97	1.00		0.98	1.00		0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	1863	1583	3433	3539	1583	3433	5085	1583	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3395	1863	1545	3398	3539	1539	3421	5085	1546	3426	5085	1553
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			135			228			347			155
Link Speed (mph)		40			40			45			45	
Link Distance (ft)		1364			1297			1368			785	
Travel Time (s)		23.3			22.1			20.7			11.9	

Intersection Summary	
Area Type:	Other



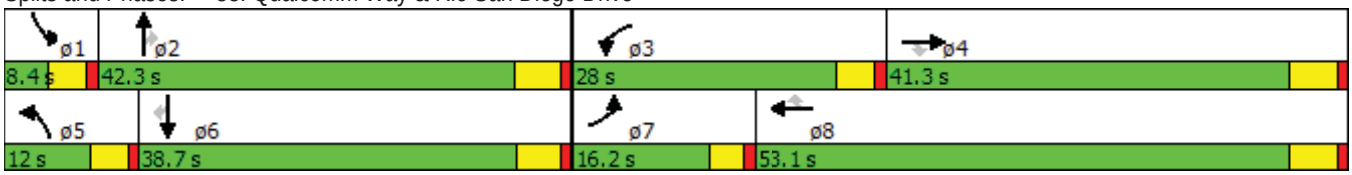
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	170	104	218	643	189	196	204	381	316	22	499	141
Confl. Peds. (#/hr)	15		12	12		15	4		2	2		4
Confl. Bikes (#/hr)			1			2						4
Peak Hour Factor	0.88	0.88	0.88	0.86	0.86	0.86	0.91	0.91	0.91	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	193	118	248	748	220	228	224	419	347	24	548	155
Shared Lane Traffic (%)												
Lane Group Flow (vph)	193	118	248	748	220	228	224	419	347	24	548	155

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	170	104	218	643	189	196	204	381	316	22	499	141
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	41.3	41.3	8.4	41.3	41.3	8.4	36.1	36.1	8.4	38.0	38.0
Total Split (s)	16.2	41.3	41.3	28.0	53.1	53.1	12.0	42.3	42.3	8.4	38.7	38.7
Total Split (%)	13.5%	34.4%	34.4%	23.3%	44.3%	44.3%	10.0%	35.3%	35.3%	7.0%	32.3%	32.3%
Yellow Time (s)	3.0	4.3	4.3	3.4	4.3	4.3	3.4	4.1	4.1	3.4	4.0	4.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	5.3	5.3	4.4	5.3	5.3	4.4	5.1	5.1	4.4	5.0	5.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	9.0	14.3	14.3	24.5	30.2	30.2	7.9	26.8	26.8	4.2	17.3	17.3
Actuated g/C Ratio	0.11	0.17	0.17	0.29	0.36	0.36	0.09	0.32	0.32	0.05	0.21	0.21
v/c Ratio	0.52	0.37	0.66	0.75	0.17	0.33	0.70	0.26	0.48	0.14	0.52	0.35
Control Delay	43.5	33.9	23.8	35.1	19.5	4.3	52.2	23.6	5.7	47.1	31.8	7.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	43.5	33.9	23.8	35.1	19.5	4.3	52.2	23.6	5.7	47.1	31.8	7.6
LOS	D	C	C	D	B	A	D	C	A	D	C	A
Approach Delay		32.7			26.4			23.8			27.2	
Approach LOS		C			C			C			C	

Intersection Summary	
Cycle Length: 120	
Actuated Cycle Length: 83.9	
Natural Cycle: 120	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.75	
Intersection Signal Delay: 26.8	Intersection LOS: C
Intersection Capacity Utilization 65.5%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 33: Qualcomm Way & Rio San Diego Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	170	104	218	643	189	196	204	381	316	22	499	141
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.97	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	193	118	140	748	220	71	224	419	83	24	548	34
Adj No. of Lanes	2	1	1	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.88	0.88	0.88	0.86	0.86	0.86	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	275	348	285	839	1259	549	301	1602	496	71	1261	385
Arrive On Green	0.08	0.19	0.19	0.24	0.36	0.36	0.09	0.32	0.32	0.02	0.25	0.25
Sat Flow, veh/h	3442	1863	1525	3442	3539	1543	3442	5085	1573	3442	5085	1551
Grp Volume(v), veh/h	193	118	140	748	220	71	224	419	83	24	548	34
Grp Sat Flow(s),veh/h/ln	1721	1863	1525	1721	1770	1543	1721	1695	1573	1721	1695	1551
Q Serve(g_s), s	4.5	4.5	6.8	17.3	3.5	2.6	5.2	5.1	3.1	0.6	7.5	1.4
Cycle Q Clear(g_c), s	4.5	4.5	6.8	17.3	3.5	2.6	5.2	5.1	3.1	0.6	7.5	1.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	275	348	285	839	1259	549	301	1602	496	71	1261	385
V/C Ratio(X)	0.70	0.34	0.49	0.89	0.17	0.13	0.74	0.26	0.17	0.34	0.43	0.09
Avail Cap(c_a), veh/h	511	816	668	988	2058	897	318	2301	712	167	2085	636
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.9	29.0	29.9	30.0	18.2	17.9	36.6	21.0	20.4	39.7	26.1	23.8
Incr Delay (d2), s/veh	1.2	0.6	1.3	8.3	0.1	0.1	7.4	0.1	0.2	1.0	0.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	2.4	2.9	9.2	1.7	1.1	2.8	2.4	1.4	0.3	3.5	0.6
LnGrp Delay(d),s/veh	38.1	29.6	31.2	38.3	18.3	18.0	44.0	21.1	20.6	40.8	26.5	23.9
LnGrp LOS	D	C	C	D	B	B	D	C	C	D	C	C
Approach Vol, veh/h		451			1039			726			606	
Approach Delay, s/veh		33.7			32.7			28.1			26.9	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.1	31.0	24.5	20.7	11.6	25.5	10.6	34.6
Change Period (Y+Rc), s	4.4	5.1	4.4	5.3	4.4	* 5.1	4.0	5.3
Max Green Setting (Gmax), s	4.0	37.2	23.6	36.0	7.6	* 34	12.2	47.8
Max Q Clear Time (g_c+I1), s	2.6	7.1	19.3	8.8	7.2	9.5	6.5	5.5
Green Ext Time (p_c), s	0.0	11.4	0.8	2.7	0.0	10.3	0.2	2.8

Intersection Summary	
HCM 2010 Ctrl Delay	30.4
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		200	110		200	0		200	0		200
Storage Lanes	1		1	1		1	0		1	0		1
Taper Length (ft)	25			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950				0.978			0.955	
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	0	1822	1583	0	1779	1583
Flt Permitted	0.950			0.950				0.978			0.955	
Satd. Flow (perm)	1770	1863	1583	1770	1863	1583	0	1822	1583	0	1779	1583
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1618			1168			369			844	
Travel Time (s)		27.6			19.9			10.1			23.0	

Intersection Summary	
Area Type:	Other
Description: EB & WB through were divided by 1/2 and reduce by 1 lane	



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	127	190	1	16	183	42	4	5	1	53	3	47
Confl. Peds. (#/hr)	10		7	7		10	1					1
Confl. Bikes (#/hr)									1			
Peak Hour Factor	0.95	0.95	0.95	0.94	0.94	0.94	0.83	0.83	0.83	0.74	0.74	0.74
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	134	200	1	17	195	45	5	6	1	72	4	64
Shared Lane Traffic (%)												
Lane Group Flow (vph)	134	200	1	17	195	45	0	11	1	0	76	64

Intersection Summary
Description: EB & WB through were divided by 1/2 and reduce by 1 lane

Intersection	
Intersection Delay, s/veh	10.4
Intersection LOS	B

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Vol, veh/h	0	127	190	1	0	16	183	42	0	4	5	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.92	0.94	0.94	0.94	0.83	0.83	0.83	0.83
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	134	200	1	0	17	195	45	0	5	6	1
Number of Lanes	0	1	1	1	0	1	1	1	0	0	1	1

Approach	EB	WB	NB
Opposing Approach	WB	EB	SB
Opposing Lanes	3	3	2
Conflicting Approach Left	SB	NB	EB
Conflicting Lanes Left	2	2	3
Conflicting Approach Right	NB	SB	WB
Conflicting Lanes Right	2	2	3
HCM Control Delay	10.7	10.5	9.5
HCM LOS	B	B	A

Lane	NBLn1	NBLn2	EBLn1	EBLn2	EBLn3	WBLn1	WBLn2	WBLn3	SBLn1	SBLn2
Vol Left, %	44%	0%	100%	0%	0%	100%	0%	0%	95%	0%
Vol Thru, %	56%	0%	0%	100%	0%	0%	100%	0%	5%	0%
Vol Right, %	0%	100%	0%	0%	100%	0%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	9	1	127	190	1	16	183	42	56	47
LT Vol	4	0	127	0	0	16	0	0	53	0
Through Vol	5	0	0	190	0	0	183	0	3	0
RT Vol	0	1	0	0	1	0	0	42	0	47
Lane Flow Rate	11	1	134	200	1	17	195	45	76	64
Geometry Grp	8	8	8	8	8	8	8	8	8	8
Degree of Util (X)	0.02	0.002	0.225	0.308	0.001	0.029	0.309	0.062	0.141	0.097
Departure Headway (Hd)	6.774	5.85	6.154	5.651	4.947	6.325	5.822	5.118	6.698	5.525
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cap	531	615	587	640	728	569	621	704	539	652
Service Time	4.482	3.557	3.854	3.351	2.647	4.025	3.522	2.818	4.398	3.225
HCM Lane V/C Ratio	0.021	0.002	0.228	0.313	0.001	0.03	0.314	0.064	0.141	0.098
HCM Control Delay	9.6	8.6	10.6	10.8	7.7	9.2	11.1	8.2	10.5	8.8
HCM Lane LOS	A	A	B	B	A	A	B	A	B	A
HCM 95th-tile Q	0.1	0	0.9	1.3	0	0.1	1.3	0.2	0.5	0.3

Intersection	
Intersection Delay, s/veh	
Intersection LOS	

Movement	SBU	SBL	SBT	SBR
Vol, veh/h	0	53	3	47
Peak Hour Factor	0.92	0.74	0.74	0.74
Heavy Vehicles, %	2	2	2	2
Mvmt Flow	0	72	4	64
Number of Lanes	0	0	1	1

Approach	SB
Opposing Approach	NB
Opposing Lanes	2
Conflicting Approach Left	WB
Conflicting Lanes Left	3
Conflicting Approach Right	EB
Conflicting Lanes Right	3
HCM Control Delay	9.7
HCM LOS	A

Lane



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		0	0		0	160		200	300		200
Storage Lanes	1		1	0		0	1		1	2		1
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	0.95	0.95	0.95	1.00	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor	0.99	1.00	0.98		0.99		0.96		0.97	1.00		0.94
Frt			0.850		0.951				0.850			0.850
Flt Protected	0.950	0.998			0.997		0.950			0.950		
Satd. Flow (prot)	1681	1766	1583	0	3325	0	1770	3539	1583	3433	3539	1583
Flt Permitted	0.950	0.998			0.997		0.950			0.950		
Satd. Flow (perm)	1669	1766	1553	0	3324	0	1703	3539	1544	3419	3539	1484
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			162		64				105			105
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1168			1523			533			740	
Travel Time (s)		19.9			26.0			14.5			20.2	

Intersection Summary	
Area Type:	Other



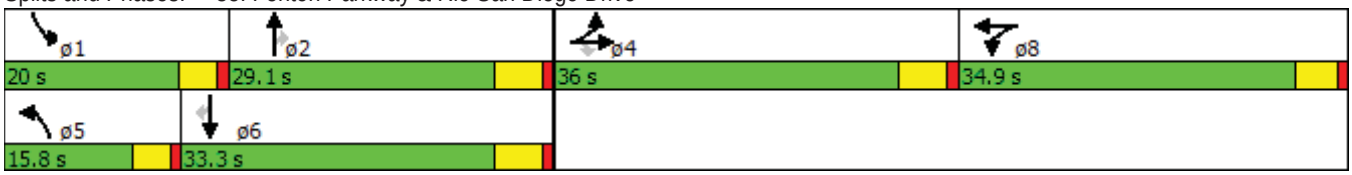
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	122	362	147	30	359	186	106	176	10	392	111	87
Confl. Peds. (#/hr)	14		6	6		14	19		2	2		19
Confl. Bikes (#/hr)												
Peak Hour Factor	0.91	0.91	0.91	0.93	0.93	0.93	0.90	0.90	0.90	0.98	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	134	398	162	32	386	200	118	196	11	400	113	89
Shared Lane Traffic (%)	10%											
Lane Group Flow (vph)	121	411	162	0	618	0	118	196	11	400	113	89

Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	122	362	147	359	106	176	10	392	111	87
Turn Type	Split	NA	Perm	NA	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	4	4		8	5	2		1	6	
Permitted Phases			4				2			6
Detector Phase	4	4	4	8	5	2	2	1	6	6
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0	7.0
Minimum Split (s)	35.2	35.2	35.2	34.9	8.4	28.3	28.3	8.4	31.4	31.4
Total Split (s)	36.0	36.0	36.0	34.9	15.8	29.1	29.1	20.0	33.3	33.3
Total Split (%)	30.0%	30.0%	30.0%	29.1%	13.2%	24.3%	24.3%	16.7%	27.8%	27.8%
Yellow Time (s)	4.2	4.2	4.2	3.9	3.4	4.3	4.3	3.4	4.4	4.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.2	5.2	5.2	4.9	4.4	5.3	5.3	4.4	5.4	5.4
Lead/Lag					Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	27.6	27.6	27.6	22.5	10.1	15.9	15.9	15.0	20.7	20.7
Actuated g/C Ratio	0.27	0.27	0.27	0.22	0.10	0.16	0.16	0.15	0.20	0.20
v/c Ratio	0.26	0.85	0.30	0.78	0.67	0.35	0.03	0.79	0.16	0.23
Control Delay	33.0	54.6	6.9	41.5	66.4	41.8	0.2	55.9	36.4	6.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	33.0	54.6	6.9	41.5	66.4	41.8	0.2	55.9	36.4	6.8
LOS	C	D	A	D	E	D	A	E	D	A
Approach Delay		39.7		41.5		49.3			45.0	
Approach LOS		D		D		D			D	

Intersection Summary	
Cycle Length: 120	
Actuated Cycle Length: 101.3	
Natural Cycle: 110	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.85	
Intersection Signal Delay: 43.0	Intersection LOS: D
Intersection Capacity Utilization 76.0%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 35: Fenton Parkway & Rio San Diego Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	122	362	147	30	359	186	106	176	10	392	111	87
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	134	398	30	32	386	146	118	196	0	400	113	2
Adj No. of Lanes	1	1	1	0	2	0	1	2	1	2	2	1
Peak Hour Factor	0.91	0.91	0.91	0.93	0.93	0.93	0.90	0.90	0.90	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	457	480	402	43	527	210	148	548	245	481	747	319
Arrive On Green	0.26	0.26	0.26	0.22	0.22	0.22	0.08	0.15	0.00	0.14	0.21	0.21
Sat Flow, veh/h	1774	1863	1558	193	2382	951	1774	3539	1583	3442	3539	1512
Grp Volume(v), veh/h	134	398	30	307	0	257	118	196	0	400	113	2
Grp Sat Flow(s),veh/h/ln	1774	1863	1558	1853	0	1673	1774	1770	1583	1721	1770	1512
Q Serve(g_s), s	5.3	17.7	1.3	13.6	0.0	12.4	5.7	4.4	0.0	9.9	2.3	0.1
Cycle Q Clear(g_c), s	5.3	17.7	1.3	13.6	0.0	12.4	5.7	4.4	0.0	9.9	2.3	0.1
Prop In Lane	1.00		1.00	0.10		0.57	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	457	480	402	410	0	370	148	548	245	481	747	319
V/C Ratio(X)	0.29	0.83	0.07	0.75	0.00	0.69	0.80	0.36	0.00	0.83	0.15	0.01
Avail Cap(c_a), veh/h	622	653	546	633	0	571	230	958	429	611	1123	480
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	26.2	30.8	24.7	32.0	0.0	31.5	39.5	33.2	0.0	36.8	28.3	27.4
Incr Delay (d2), s/veh	0.2	5.5	0.0	1.0	0.0	0.9	4.7	1.8	0.0	6.2	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	9.8	0.6	7.0	0.0	5.8	3.0	2.3	0.0	5.1	1.2	0.0
LnGrp Delay(d),s/veh	26.4	36.2	24.7	33.0	0.0	32.4	44.2	35.0	0.0	43.0	28.7	27.4
LnGrp LOS	C	D	C	C		C	D	D		D	C	C
Approach Vol, veh/h		562			564			314			515	
Approach Delay, s/veh		33.3			32.7			38.5			39.8	
Approach LOS		C			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.7	19.0		27.9	11.7	23.9		24.3
Change Period (Y+Rc), s	4.4	* 5.4		5.2	4.4	5.4		4.9
Max Green Setting (Gmax), s	15.6	* 24		30.8	11.4	27.9		30.0
Max Q Clear Time (g_c+I1), s	11.9	6.4		19.7	7.7	4.3		15.6
Green Ext Time (p_c), s	0.3	4.8		1.5	0.0	5.7		1.8

Intersection Summary	
HCM 2010 Ctrl Delay	35.7
HCM 2010 LOS	D

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	130		0	0		200	70		200	100		0
Storage Lanes	1		0	0		1	1		1	1		1
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00	1.00				0.98			0.97	0.99		
Frt		0.999				0.850			0.850			0.850
Flt Protected	0.950	0.953			0.986		0.950			0.950		
Satd. Flow (prot)	1681	1685	0	0	1837	1583	1770	3539	1583	1770	1863	1583
Flt Permitted	0.950	0.953			0.986		0.950			0.950		
Satd. Flow (perm)	1675	1678	0	0	1837	1558	1770	3539	1531	1751	1863	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						255			162			251
Link Speed (mph)		40			40			25			25	
Link Distance (ft)		1523			649			624			578	
Travel Time (s)		26.0			11.1			17.0			15.8	

Intersection Summary	
Area Type:	Other



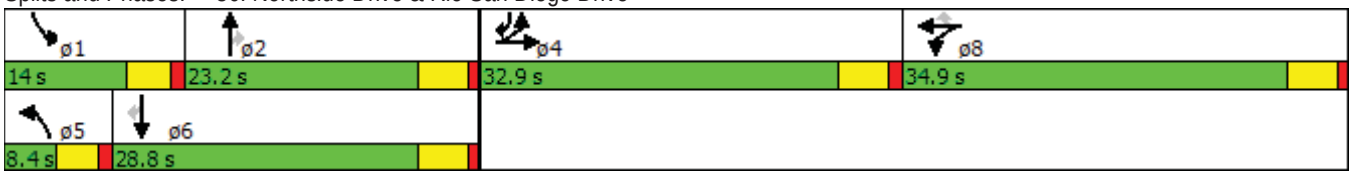
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	460	2	2	16	40	231	5	151	3	82	123	226
Confl. Peds. (#/hr)	4					4			4	4		
Confl. Bikes (#/hr)												
Peak Hour Factor	0.88	0.88	0.88	0.78	0.78	0.78	0.88	0.88	0.88	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	523	2	2	21	51	296	6	172	3	91	137	251
Shared Lane Traffic (%)	50%											
Lane Group Flow (vph)	261	266	0	0	72	296	6	172	3	91	137	251

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations										
Volume (vph)	460	2	40	231	5	151	3	82	123	226
Turn Type	Split	NA	NA	Perm	Prot	NA	Perm	Prot	NA	pm+ov
Protected Phases	4	4	8		5	2		1	6	4
Permitted Phases				8			2			6
Detector Phase	4	4	8	8	5	2	2	1	6	4
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	7.0	7.0	4.0	7.0	4.0
Minimum Split (s)	32.9	32.9	34.9	34.9	8.4	22.9	22.9	8.4	26.9	32.9
Total Split (s)	32.9	32.9	34.9	34.9	8.4	23.2	23.2	14.0	28.8	32.9
Total Split (%)	31.3%	31.3%	33.2%	33.2%	8.0%	22.1%	22.1%	13.3%	27.4%	31.3%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.4	3.9	3.9	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.9	4.4	4.9	4.9	4.4	4.9	4.9
Lead/Lag					Lead	Lag	Lag	Lead	Lag	
Lead-Lag Optimize?					Yes	Yes	Yes	Yes	Yes	
Recall Mode	None	None	None	None	None	Min	Min	None	Min	None
Act Effct Green (s)	15.3	15.3	10.0	10.0	4.5	10.0	10.0	7.9	18.7	39.5
Actuated g/C Ratio	0.25	0.25	0.16	0.16	0.07	0.16	0.16	0.13	0.30	0.64
v/c Ratio	0.62	0.63	0.24	0.64	0.05	0.30	0.01	0.40	0.24	0.23
Control Delay	30.5	30.8	26.9	12.8	39.2	29.8	0.0	37.2	22.7	1.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.5	30.8	26.9	12.8	39.2	29.8	0.0	37.2	22.7	1.9
LOS	C	C	C	B	D	C	A	D	C	A
Approach Delay		30.7	15.6			29.7			14.6	
Approach LOS		C	B			C			B	

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 61.6	
Natural Cycle: 105	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.64	
Intersection Signal Delay: 22.0	Intersection LOS: C
Intersection Capacity Utilization 47.9%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 36: Northside Drive & Rio San Diego Drive



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	460	2	2	16	40	231	5	151	3	82	123	226
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	526	0	0	21	51	65	6	172	0	91	137	45
Adj No. of Lanes	2	1	0	0	1	1	1	2	1	1	1	1
Peak Hour Factor	0.88	0.88	0.88	0.78	0.78	0.78	0.88	0.88	0.88	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	770	404	0	49	118	142	11	608	272	115	429	706
Arrive On Green	0.22	0.00	0.00	0.09	0.09	0.09	0.01	0.17	0.00	0.06	0.23	0.23
Sat Flow, veh/h	3548	1863	0	535	1300	1563	1774	3539	1583	1774	1863	1575
Grp Volume(v), veh/h	526	0	0	72	0	65	6	172	0	91	137	45
Grp Sat Flow(s),veh/h/ln	1774	1863	0	1836	0	1563	1774	1770	1583	1774	1863	1575
Q Serve(g_s), s	5.7	0.0	0.0	1.6	0.0	1.7	0.1	1.8	0.0	2.1	2.6	0.7
Cycle Q Clear(g_c), s	5.7	0.0	0.0	1.6	0.0	1.7	0.1	1.8	0.0	2.1	2.6	0.7
Prop In Lane	1.00		0.00	0.29		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	770	404	0	167	0	142	11	608	272	115	429	706
V/C Ratio(X)	0.68	0.00	0.00	0.43	0.00	0.46	0.53	0.28	0.00	0.79	0.32	0.06
Avail Cap(c_a), veh/h	2368	1243	0	1313	0	1118	169	1544	691	406	1061	1241
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	15.1	0.0	0.0	18.0	0.0	18.1	20.8	15.1	0.0	19.3	13.4	6.6
Incr Delay (d2), s/veh	0.4	0.0	0.0	0.7	0.0	0.8	13.2	0.1	0.0	4.5	1.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	0.0	0.0	0.8	0.0	0.7	0.1	0.9	0.0	1.2	1.4	0.4
LnGrp Delay(d),s/veh	15.5	0.0	0.0	18.7	0.0	18.9	34.0	15.2	0.0	23.9	14.5	6.7
LnGrp LOS	B			B		B	C	B		C	B	A
Approach Vol, veh/h		526			137			178			273	
Approach Delay, s/veh		15.5			18.8			15.8			16.3	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	7.1	12.1		14.0	4.7	14.6		8.7
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	9.6	18.3		28.0	4.0	23.9		30.0
Max Q Clear Time (g_c+I1), s	4.1	3.8		7.7	2.1	4.6		3.7
Green Ext Time (p_c), s	0.0	2.3		0.9	0.0	2.6		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	16.2
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	80		0	200		0	70		0	120		120
Storage Lanes	1		0	1		1	1		1	1		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99	0.99		0.99		0.97	0.99		0.98	0.99		0.97
Frt		0.928				0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3238	0	1770	3539	1583	1770	1863	1583	1770	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1751	3238	0	1759	3539	1531	1750	1863	1550	1760	1863	1542
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		297				140			135			135
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		2011			1623			1851			555	
Travel Time (s)		39.2			31.6			28.0			8.4	

Intersection Summary	
Area Type:	Other



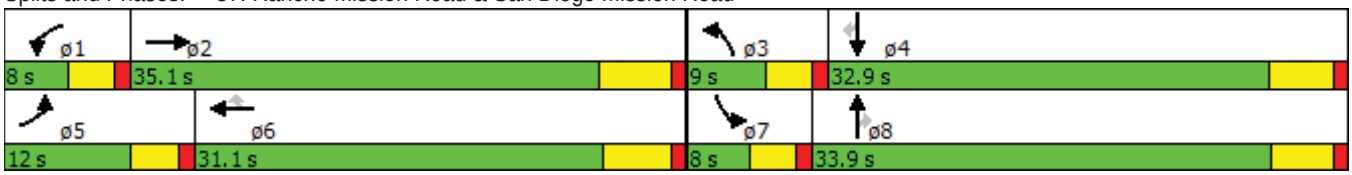
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	138	353	322	102	104	132	86	233	106	108	165	50
Confl. Peds. (#/hr)	7		20	20		7	15		9	9		15
Confl. Bikes (#/hr)			1			1			2			
Peak Hour Factor	0.85	0.85	0.85	0.94	0.94	0.94	0.86	0.86	0.86	0.88	0.88	0.88
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	162	415	379	109	111	140	100	271	123	123	188	57
Shared Lane Traffic (%)												
Lane Group Flow (vph)	162	794	0	109	111	140	100	271	123	123	188	57

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	138	353	102	104	132	86	233	106	108	165	50
Turn Type	Prot	NA	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	5	2	1	6		3	8		7	4	
Permitted Phases					6			8			4
Detector Phase	5	2	1	6	6	3	8	8	7	4	4
Switch Phase											
Minimum Initial (s)	4.0	7.0	4.0	7.0	7.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.0	34.5	8.0	29.3	29.3	8.0	33.9	33.9	8.0	32.1	32.1
Total Split (s)	12.0	35.1	8.0	31.1	31.1	9.0	33.9	33.9	8.0	32.9	32.9
Total Split (%)	14.1%	41.3%	9.4%	36.6%	36.6%	10.6%	39.9%	39.9%	9.4%	38.7%	38.7%
Yellow Time (s)	3.0	4.5	3.0	4.3	4.3	3.0	3.9	3.9	3.0	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	5.5	4.0	5.3	5.3	4.0	4.9	4.9	4.0	5.1	5.1
Lead/Lag	Lead	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	Min	None	Min	Min	None	None	None	None	None	None
Act Effct Green (s)	8.4	16.9	4.2	12.9	12.9	5.2	14.1	14.1	4.2	12.8	12.8
Actuated g/C Ratio	0.14	0.29	0.07	0.22	0.22	0.09	0.24	0.24	0.07	0.22	0.22
v/c Ratio	0.64	0.69	0.87	0.14	0.31	0.63	0.60	0.26	0.98	0.46	0.13
Control Delay	42.8	15.2	87.7	19.6	6.5	51.8	26.2	5.0	112.5	24.0	0.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	42.8	15.2	87.7	19.6	6.5	51.8	26.2	5.0	112.5	24.0	0.6
LOS	D	B	F	B	A	D	C	A	F	C	A
Approach Delay		19.9		35.1			26.1			50.0	
Approach LOS		B		D			C			D	

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 58.6	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.98	
Intersection Signal Delay: 28.9	Intersection LOS: C
Intersection Capacity Utilization 64.9%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 37: Rancho Mission Road & San Diego Mission Road



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	138	353	322	102	104	132	86	233	106	108	165	50
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.94	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	162	415	150	109	111	34	100	271	18	123	188	0
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	1
Peak Hour Factor	0.85	0.85	0.85	0.94	0.94	0.94	0.86	0.86	0.86	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	204	792	283	123	946	399	128	420	345	123	416	353
Arrive On Green	0.11	0.31	0.31	0.07	0.27	0.27	0.07	0.23	0.23	0.07	0.22	0.00
Sat Flow, veh/h	1774	2534	904	1774	3539	1491	1774	1863	1530	1774	1863	1583
Grp Volume(v), veh/h	162	288	277	109	111	34	100	271	18	123	188	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1669	1774	1770	1491	1774	1863	1530	1774	1863	1583
Q Serve(g_s), s	5.1	7.7	7.9	3.5	1.4	1.0	3.2	7.6	0.5	4.0	5.0	0.0
Cycle Q Clear(g_c), s	5.1	7.7	7.9	3.5	1.4	1.0	3.2	7.6	0.5	4.0	5.0	0.0
Prop In Lane	1.00		0.54	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	204	553	521	123	946	399	128	420	345	123	416	353
V/C Ratio(X)	0.80	0.52	0.53	0.88	0.12	0.09	0.78	0.64	0.05	1.00	0.45	0.00
Avail Cap(c_a), veh/h	246	910	858	123	1586	668	154	938	771	123	899	764
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	24.8	16.3	16.3	26.6	16.0	15.8	26.3	20.2	17.5	26.8	19.3	0.0
Incr Delay (d2), s/veh	11.3	1.2	1.3	46.5	0.1	0.1	15.6	0.6	0.0	80.5	0.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	3.9	3.8	3.3	0.7	0.4	2.1	4.0	0.2	4.7	2.6	0.0
LnGrp Delay(d),s/veh	36.2	17.4	17.6	73.1	16.1	16.0	41.9	20.8	17.5	107.3	19.6	0.0
LnGrp LOS	D	B	B	E	B	B	D	C	B	F	B	
Approach Vol, veh/h		727			254			389			311	
Approach Delay, s/veh		21.7			40.5			26.1			54.3	
Approach LOS		C			D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.0	23.5	8.1	17.9	10.6	20.9	8.0	18.1
Change Period (Y+Rc), s	4.0	5.5	4.0	5.1	4.0	* 5.5	4.0	* 5.1
Max Green Setting (Gmax), s	4.0	29.6	5.0	27.8	8.0	* 26	4.0	* 29
Max Q Clear Time (g_c+I1), s	5.5	9.9	5.2	7.0	7.1	3.4	6.0	9.6
Green Ext Time (p_c), s	0.0	6.2	0.0	1.4	0.0	6.5	0.0	1.4

Intersection Summary	
HCM 2010 Ctrl Delay	31.6
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	230		0	0		0	200		0	240		0
Storage Lanes	1		1	0		1	2		1	1		0
Taper Length (ft)	25			0			25			25		
Lane Util. Factor	0.95	0.95	1.00	1.00	1.00	1.00	0.97	0.95	1.00	1.00	0.91	0.91
Ped Bike Factor			0.97		0.99		0.99		0.96	0.99	1.00	
Frt			0.850			0.850			0.850		0.993	
Flt Protected	0.950	0.958			0.958		0.950			0.950		
Satd. Flow (prot)	1681	1695	1583	0	1785	1583	3433	3539	1583	1770	5042	0
Flt Permitted	0.950	0.958			0.958		0.950			0.950		
Satd. Flow (perm)	1681	1695	1541	0	1764	1583	3412	3539	1522	1759	5042	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			281			112			98		7	
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		471			685			996			1038	
Travel Time (s)		12.8			18.7			17.0			17.7	

Intersection Summary	
Area Type:	Other



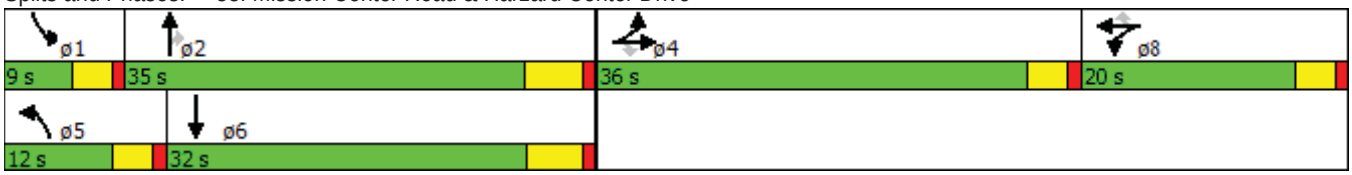
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	90	6	519	68	10	7	301	680	20	41	955	44
Confl. Peds. (#/hr)			15	15			16		7	7		16
Confl. Bikes (#/hr)			1						2			3
Peak Hour Factor	0.85	0.85	0.85	0.69	0.69	0.69	0.94	0.94	0.94	0.86	0.86	0.86
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	106	7	611	99	14	10	320	723	21	48	1110	51
Shared Lane Traffic (%)	47%											
Lane Group Flow (vph)	56	57	611	0	113	10	320	723	21	48	1161	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations										
Volume (vph)	90	6	519	10	7	301	680	20	41	955
Turn Type	Split	NA	Perm	NA	Perm	Prot	NA	Perm	Prot	NA
Protected Phases	4	4		8		5	2		1	6
Permitted Phases			4		8			2		
Detector Phase	4	4	4	8	8	5	2	2	1	6
Switch Phase										
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0
Minimum Split (s)	36.0	36.0	36.0	20.0	20.0	8.0	26.3	26.3	8.0	31.2
Total Split (s)	36.0	36.0	36.0	20.0	20.0	12.0	35.0	35.0	9.0	32.0
Total Split (%)	36.0%	36.0%	36.0%	20.0%	20.0%	12.0%	35.0%	35.0%	9.0%	32.0%
Yellow Time (s)	3.0	3.0	3.0	3.0	3.0	3.0	4.3	4.3	3.0	4.2
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	5.3	5.3	4.0	5.2
Lead/Lag						Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?						Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min
Act Effct Green (s)	27.6	27.6	27.6	10.1	10.1	8.3	30.8	30.8	5.1	25.0
Actuated g/C Ratio	0.32	0.32	0.32	0.12	0.12	0.10	0.36	0.36	0.06	0.29
v/c Ratio	0.10	0.10	0.89	0.54	0.04	0.96	0.57	0.03	0.46	0.79
Control Delay	23.1	23.1	33.1	48.8	0.3	85.0	28.0	0.1	59.5	34.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	23.1	23.1	33.1	48.8	0.3	85.0	28.0	0.1	59.5	34.2
LOS	C	C	C	D	A	F	C	A	E	C
Approach Delay		31.5		44.9			44.6			35.2
Approach LOS		C		D			D			D

Intersection Summary	
Cycle Length: 100	
Actuated Cycle Length: 86.1	
Natural Cycle: 100	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.96	
Intersection Signal Delay: 38.0	Intersection LOS: D
Intersection Capacity Utilization 69.3%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 38: Mission Center Road & Harzard Center Drive





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	90	6	519	68	10	7	301	680	20	41	955	44
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	111	0	387	99	14	0	320	723	0	48	1110	45
Adj No. of Lanes	2	0	1	0	1	1	2	2	1	1	3	0
Peak Hour Factor	0.85	0.85	0.85	0.69	0.69	0.69	0.94	0.94	0.94	0.86	0.86	0.86
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	1065	0	462	129	18	130	335	1319	590	60	1548	63
Arrive On Green	0.30	0.00	0.30	0.08	0.08	0.00	0.10	0.37	0.00	0.03	0.31	0.31
Sat Flow, veh/h	3548	0	1540	1563	221	1583	3442	3539	1583	1774	5007	203
Grp Volume(v), veh/h	111	0	387	113	0	0	320	723	0	48	751	404
Grp Sat Flow(s),veh/h/ln	1774	0	1540	1785	0	1583	1721	1770	1583	1774	1695	1820
Q Serve(g_s), s	1.9	0.0	19.3	5.1	0.0	0.0	7.6	13.2	0.0	2.2	16.1	16.2
Cycle Q Clear(g_c), s	1.9	0.0	19.3	5.1	0.0	0.0	7.6	13.2	0.0	2.2	16.1	16.2
Prop In Lane	1.00		1.00	0.88		1.00	1.00		1.00	1.00		0.11
Lane Grp Cap(c), veh/h	1065	0	462	147	0	130	335	1319	590	60	1048	563
V/C Ratio(X)	0.10	0.00	0.84	0.77	0.00	0.00	0.95	0.55	0.00	0.79	0.72	0.72
Avail Cap(c_a), veh/h	1383	0	600	348	0	309	335	1319	590	108	1107	594
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.7	0.0	26.8	36.9	0.0	0.0	36.9	20.3	0.0	39.4	25.2	25.2
Incr Delay (d2), s/veh	0.1	0.0	8.7	3.2	0.0	0.0	36.7	0.8	0.0	8.4	2.6	4.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	9.2	2.6	0.0	0.0	5.3	6.6	0.0	1.2	7.9	8.8
LnGrp Delay(d),s/veh	20.8	0.0	35.6	40.1	0.0	0.0	73.6	21.1	0.0	47.8	27.8	30.0
LnGrp LOS	C		D	D			E	C		D	C	C
Approach Vol, veh/h		498			113			1043			1203	
Approach Delay, s/veh		32.3			40.1			37.2			29.3	
Approach LOS		C			D			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.8	35.9		28.6	12.0	30.7		10.8
Change Period (Y+Rc), s	4.0	5.3		4.0	4.0	* 5.3		4.0
Max Green Setting (Gmax), s	5.0	29.7		32.0	8.0	* 27		16.0
Max Q Clear Time (g_c+I1), s	4.2	15.2		21.3	9.6	18.2		7.1
Green Ext Time (p_c), s	0.0	12.4		2.0	0.0	7.2		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	33.1
HCM 2010 LOS	C

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	130			220	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00			0.97		0.96
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1767	1863	1863	1532	1770	1528
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				366		66
Link Speed (mph)		30	30		30	
Link Distance (ft)		834	642		429	
Travel Time (s)		19.0	14.6		9.8	

Intersection Summary	
Area Type:	Other



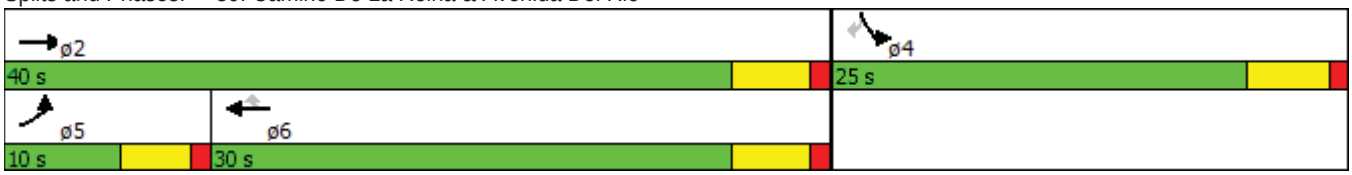
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	72	426	284	326	362	63
Confl. Peds. (#/hr)	2			2		7
Confl. Bikes (#/hr)				10		1
Peak Hour Factor	0.91	0.91	0.89	0.89	0.95	0.95
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	79	468	319	366	381	66
Shared Lane Traffic (%)						
Lane Group Flow (vph)	79	468	319	366	381	66

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	72	426	284	326	362	63
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	7.0	7.0	7.0	4.0	4.0
Minimum Split (s)	8.4	20.9	28.9	28.9	22.9	22.9
Total Split (s)	10.0	40.0	30.0	30.0	25.0	25.0
Total Split (%)	15.4%	61.5%	46.2%	46.2%	38.5%	38.5%
Yellow Time (s)	3.4	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	5.9	19.9	15.0	15.0	14.4	14.4
Actuated g/C Ratio	0.13	0.44	0.33	0.33	0.32	0.32
v/c Ratio	0.34	0.57	0.52	0.49	0.68	0.12
Control Delay	29.0	12.4	17.5	4.4	22.6	5.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	29.0	12.4	17.5	4.4	22.6	5.4
LOS	C	B	B	A	C	A
Approach Delay		14.8	10.5		20.0	
Approach LOS		B	B		C	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 45.3	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.68	
Intersection Signal Delay: 14.4	Intersection LOS: B
Intersection Capacity Utilization 51.2%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 39: Camino De La Reina & Avenida Del Rio





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	72	426	284	326	362	63
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.96	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	79	468	319	113	381	19
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.91	0.91	0.89	0.89	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	107	878	546	447	469	418
Arrive On Green	0.06	0.47	0.29	0.29	0.26	0.26
Sat Flow, veh/h	1774	1863	1863	1526	1774	1583
Grp Volume(v), veh/h	79	468	319	113	381	19
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1526	1774	1583
Q Serve(g_s), s	1.6	6.6	5.4	2.1	7.5	0.3
Cycle Q Clear(g_c), s	1.6	6.6	5.4	2.1	7.5	0.3
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	107	878	546	447	469	418
V/C Ratio(X)	0.74	0.53	0.58	0.25	0.81	0.05
Avail Cap(c_a), veh/h	268	1763	1260	1033	961	858
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.2	6.9	11.2	10.0	12.8	10.2
Incr Delay (d2), s/veh	3.8	0.2	0.4	0.1	1.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	3.3	2.8	0.9	3.8	0.3
LnGrp Delay(d),s/veh	20.9	7.1	11.6	10.1	14.1	10.2
LnGrp LOS	C	A	B	B	B	B
Approach Vol, veh/h		547	432		400	
Approach Delay, s/veh		9.1	11.2		13.9	
Approach LOS		A	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		22.4		14.7	6.6	15.8		
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9		
Max Green Setting (Gmax), s		35.1		20.1	5.6	25.1		
Max Q Clear Time (g_c+I1), s		8.6		9.5	3.6	7.4		
Green Ext Time (p_c), s		3.6		0.5	0.0	3.3		

Intersection Summary	
HCM 2010 Ctrl Delay	11.2
HCM 2010 LOS	B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	290		0	140		0	160		0	320		0
Storage Lanes	2		0	2		0	2		0	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.97	0.95	0.95	0.97	0.95	0.95	0.97	0.91	0.91	0.97	0.91	1.00
Ped Bike Factor	1.00	0.99		1.00	0.99		1.00	0.99		0.99		0.97
Frt		0.950			0.927			0.964				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3433	3338	0	3433	3252	0	3433	4860	0	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3428	3338	0	3421	3252	0	3420	4860	0	3400	5085	1529
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		85			250			75				271
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		2210			1926			473			996	
Travel Time (s)		50.2			43.8			8.1			17.0	

Intersection Summary	
Area Type:	Other



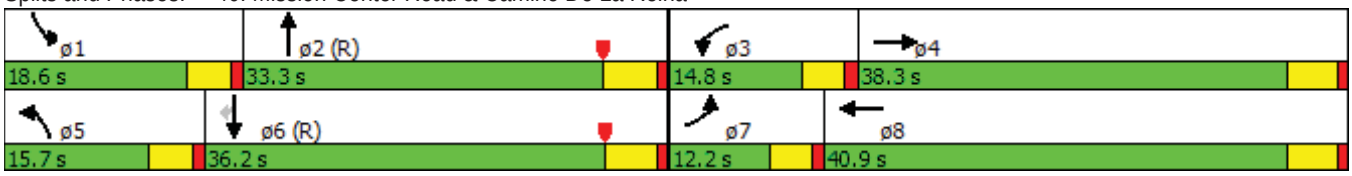
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	223	446	219	289	284	271	194	454	145	427	839	255
Confl. Peds. (#/hr)	4		10	10		4	7		21	21		7
Confl. Bikes (#/hr)			1			4			1			1
Peak Hour Factor	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	235	469	231	307	302	288	206	483	154	454	893	271
Shared Lane Traffic (%)												
Lane Group Flow (vph)	235	700	0	307	590	0	206	637	0	454	893	271

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Configurations									
Volume (vph)	223	446	289	284	194	454	427	839	255
Turn Type	Prot	NA	Prot	NA	Prot	NA	Prot	NA	Perm
Protected Phases	7	4	3	8	5	2	1	6	
Permitted Phases									6
Detector Phase	7	4	3	8	5	2	1	6	6
Switch Phase									
Minimum Initial (s)	4.0	7.0	4.0	7.0	4.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	37.9	8.4	40.9	8.4	33.2	8.4	33.0	33.0
Total Split (s)	12.2	38.3	14.8	40.9	15.7	33.3	18.6	36.2	36.2
Total Split (%)	11.6%	36.5%	14.1%	39.0%	15.0%	31.7%	17.7%	34.5%	34.5%
Yellow Time (s)	3.4	3.9	3.4	3.9	3.4	4.2	3.4	4.0	4.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.4	4.9	4.4	5.2	4.4	5.0	5.0
Lead/Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	C-Min	None	C-Min	C-Min
Act Effct Green (s)	9.9	25.5	12.0	27.6	10.2	30.5	18.1	38.5	38.5
Actuated g/C Ratio	0.09	0.24	0.11	0.26	0.10	0.29	0.17	0.37	0.37
v/c Ratio	0.72	0.80	0.78	0.57	0.62	0.44	0.77	0.48	0.37
Control Delay	60.7	39.6	60.5	20.2	53.7	28.3	51.7	27.7	5.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	60.7	39.6	60.5	20.2	53.7	28.3	51.7	27.7	5.0
LOS	E	D	E	C	D	C	D	C	A
Approach Delay		44.9		34.0		34.5		30.6	
Approach LOS		D		C		C		C	

Intersection Summary	
Cycle Length: 105	
Actuated Cycle Length: 105	
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 105	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.80	
Intersection Signal Delay: 35.2	Intersection LOS: D
Intersection Capacity Utilization 81.4%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 40: Mission Center Road & Camino De La Reina



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	223	446	219	289	284	271	194	454	145	427	839	255
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.97	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	235	469	168	307	302	112	206	483	95	454	893	69
Adj No. of Lanes	2	2	0	2	2	0	2	3	0	2	3	1
Peak Hour Factor	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	256	665	236	341	723	262	270	1383	265	465	1938	574
Arrive On Green	0.07	0.26	0.26	0.10	0.29	0.29	0.08	0.32	0.32	0.14	0.38	0.38
Sat Flow, veh/h	3442	2543	903	3442	2528	915	3442	4262	815	3442	5085	1507
Grp Volume(v), veh/h	235	325	312	307	209	205	206	381	197	454	893	69
Grp Sat Flow(s),veh/h/ln	1721	1770	1677	1721	1770	1673	1721	1695	1687	1721	1695	1507
Q Serve(g_s), s	7.1	17.5	17.7	9.3	10.1	10.5	6.2	9.0	9.4	13.8	13.8	3.1
Cycle Q Clear(g_c), s	7.1	17.5	17.7	9.3	10.1	10.5	6.2	9.0	9.4	13.8	13.8	3.1
Prop In Lane	1.00		0.54	1.00		0.55	1.00		0.48	1.00		1.00
Lane Grp Cap(c), veh/h	256	462	438	341	506	479	270	1100	547	465	1938	574
V/C Ratio(X)	0.92	0.70	0.71	0.90	0.41	0.43	0.76	0.35	0.36	0.98	0.46	0.12
Avail Cap(c_a), veh/h	256	563	533	341	607	574	370	1100	547	465	1938	574
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.90	0.46	0.46	0.46
Uniform Delay (d), s/veh	48.3	35.1	35.2	46.8	30.3	30.5	47.4	27.0	27.1	45.2	24.4	21.1
Incr Delay (d2), s/veh	34.8	3.1	3.5	25.1	1.1	1.2	3.4	0.8	1.6	22.2	0.4	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.6	8.9	8.7	5.6	5.0	5.0	3.0	4.3	4.6	8.0	6.5	1.3
LnGrp Delay(d),s/veh	83.1	38.2	38.7	71.8	31.4	31.7	50.8	27.8	28.8	67.4	24.8	21.3
LnGrp LOS	F	D	D	E	C	C	D	C	C	E	C	C
Approach Vol, veh/h		872			721			784			1416	
Approach Delay, s/veh		50.5			48.7			34.1			38.3	
Approach LOS		D			D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.6	39.3	14.8	32.3	12.6	45.2	12.2	34.9
Change Period (Y+Rc), s	4.4	5.2	4.4	4.9	4.4	* 5.2	4.4	4.9
Max Green Setting (Gmax), s	14.2	28.1	10.4	33.4	11.3	* 31	7.8	36.0
Max Q Clear Time (g_c+I1), s	15.8	11.4	11.3	19.7	8.2	15.8	9.1	12.5
Green Ext Time (p_c), s	0.0	12.5	0.0	6.8	0.1	11.6	0.0	9.2

Intersection Summary	
HCM 2010 Ctrl Delay	42.2
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	120		0	260		0	160		0	160		0
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor	0.99		0.97	0.99		0.97	0.99		0.98	0.99		0.98
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	1770	3539	1583	1770	3539	1583	1770	3539	1583
Flt Permitted	0.950			0.950			0.584			0.666		
Satd. Flow (perm)	1756	3539	1535	1759	3539	1530	1081	3539	1551	1232	3539	1549
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			228			81			83			224
Link Speed (mph)		30			30			25			25	
Link Distance (ft)		1307			1328			752			1348	
Travel Time (s)		29.7			30.2			20.5			36.8	

Intersection Summary	
Area Type:	Other



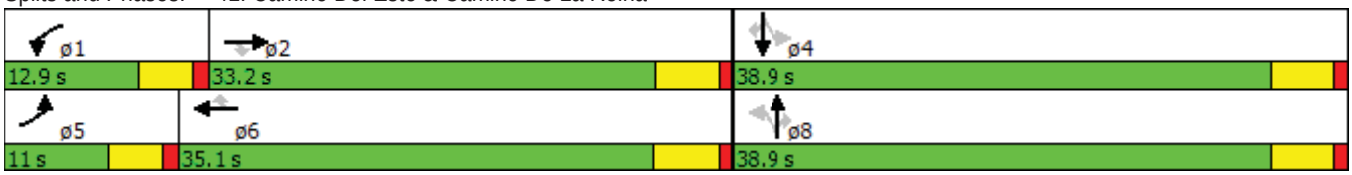
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	136	587	198	107	358	29	106	109	50	76	237	195
Confl. Peds. (#/hr)	9		17	17		9	13		11	11		13
Confl. Bikes (#/hr)			5			1						
Peak Hour Factor	0.87	0.87	0.87	0.94	0.94	0.94	0.80	0.80	0.80	0.87	0.87	0.87
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	156	675	228	114	381	31	132	136	62	87	272	224
Shared Lane Traffic (%)												
Lane Group Flow (vph)	156	675	228	114	381	31	132	136	62	87	272	224

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	136	587	198	107	358	29	106	109	50	76	237	195
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Perm	NA	Perm	Perm	NA	Perm
Protected Phases	5	2		1	6			8			4	
Permitted Phases			2			6	8		8	4		4
Detector Phase	5	2	2	1	6	6	8	8	8	4	4	4
Switch Phase												
Minimum Initial (s)	4.0	10.0	10.0	4.0	10.0	10.0	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	33.0	33.0	8.4	35.1	35.1	36.9	36.9	36.9	38.9	38.9	38.9
Total Split (s)	11.0	33.2	33.2	12.9	35.1	35.1	38.9	38.9	38.9	38.9	38.9	38.9
Total Split (%)	12.9%	39.1%	39.1%	15.2%	41.3%	41.3%	45.8%	45.8%	45.8%	45.8%	45.8%	45.8%
Yellow Time (s)	3.4	4.0	4.0	3.4	4.1	4.1	3.9	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.0	5.0	4.4	5.1	5.1	4.9	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag						
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes						
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	None	None	None
Act Effct Green (s)	7.2	19.4	19.4	7.8	17.1	17.1	13.5	13.5	13.5	13.5	13.5	13.5
Actuated g/C Ratio	0.13	0.36	0.36	0.15	0.32	0.32	0.25	0.25	0.25	0.25	0.25	0.25
v/c Ratio	0.66	0.52	0.32	0.44	0.34	0.06	0.48	0.15	0.14	0.28	0.30	0.40
Control Delay	44.3	17.8	4.5	32.7	15.5	0.2	23.7	15.9	3.6	18.7	16.9	5.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	44.3	17.8	4.5	32.7	15.5	0.2	23.7	15.9	3.6	18.7	16.9	5.1
LOS	D	B	A	C	B	A	C	B	A	B	B	A
Approach Delay		18.9			18.3			16.7			12.6	
Approach LOS		B			B			B			B	

Intersection Summary	
Cycle Length: 85	
Actuated Cycle Length: 53.4	
Natural Cycle: 85	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.66	
Intersection Signal Delay: 17.0	Intersection LOS: B
Intersection Capacity Utilization 61.3%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 41: Camino Del Este & Camino De La Reina



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	136	587	198	107	358	29	106	109	50	76	237	195
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	0.99		1.00	0.99		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	156	675	56	114	381	0	132	136	0	87	272	69
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.87	0.87	0.87	0.94	0.94	0.94	0.80	0.80	0.80	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	196	1214	527	146	1114	498	396	1120	501	486	1120	495
Arrive On Green	0.11	0.34	0.34	0.08	0.31	0.00	0.32	0.32	0.00	0.32	0.32	0.32
Sat Flow, veh/h	1774	3539	1536	1774	3539	1583	1028	3539	1583	1236	3539	1564
Grp Volume(v), veh/h	156	675	56	114	381	0	132	136	0	87	272	69
Grp Sat Flow(s),veh/h/ln	1774	1770	1536	1774	1770	1583	1028	1770	1583	1236	1770	1564
Q Serve(g_s), s	4.8	8.6	1.4	3.5	4.6	0.0	6.1	1.5	0.0	3.0	3.2	1.8
Cycle Q Clear(g_c), s	4.8	8.6	1.4	3.5	4.6	0.0	9.3	1.5	0.0	4.5	3.2	1.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	196	1214	527	146	1114	498	396	1120	501	486	1120	495
V/C Ratio(X)	0.79	0.56	0.11	0.78	0.34	0.00	0.33	0.12	0.00	0.18	0.24	0.14
Avail Cap(c_a), veh/h	210	1789	777	270	1904	852	697	2157	965	849	2157	953
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.2	14.9	12.5	25.1	14.7	0.0	17.5	13.6	0.0	15.2	14.1	13.6
Incr Delay (d2), s/veh	15.9	0.4	0.1	3.4	0.2	0.0	0.3	0.0	0.0	0.1	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	4.3	0.6	1.8	2.3	0.0	1.8	0.7	0.0	1.0	1.6	0.8
LnGrp Delay(d),s/veh	40.1	15.3	12.6	28.5	14.9	0.0	17.9	13.6	0.0	15.3	14.2	13.7
LnGrp LOS	D	B	B	C	B		B	B		B	B	B
Approach Vol, veh/h		887			495			268			428	
Approach Delay, s/veh		19.5			18.0			15.7			14.3	
Approach LOS		B			B			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.0	24.2		22.5	10.6	22.7		22.5
Change Period (Y+Rc), s	4.4	* 5.1		4.9	4.4	5.1		4.9
Max Green Setting (Gmax), s	8.5	* 28		34.0	6.6	30.0		34.0
Max Q Clear Time (g_c+I1), s	5.5	10.6		6.5	6.8	6.6		11.3
Green Ext Time (p_c), s	0.0	7.2		3.2	0.0	8.2		3.1

Intersection Summary	
HCM 2010 Ctrl Delay	17.6
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	250		0	250		200	0		200	250		200
Storage Lanes	1		0	2		1	2		1	2		1
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	1.00	0.95	0.95	0.97	0.95	1.00	0.97	0.91	1.00	0.97	0.91	1.00
Ped Bike Factor	0.99					0.98			0.99	1.00		
Frt		0.930				0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3291	0	3433	3539	1583	3433	5085	1583	3433	5085	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1758	3291	0	3433	3539	1550	3433	5085	1561	3430	5085	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		192				115			236			175
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		1328			1080			469			1368	
Travel Time (s)		30.2			24.5			7.1			20.7	

Intersection Summary	
Area Type:	Other



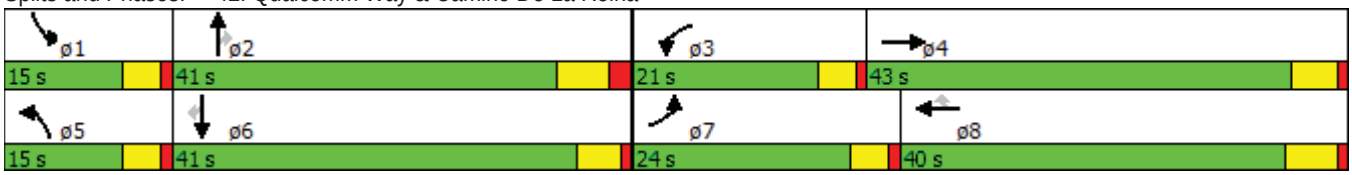
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	138	377	330	280	175	97	174	570	210	182	966	163
Confl. Peds. (#/hr)	8					8			1	1		
Confl. Bikes (#/hr)						1			1			
Peak Hour Factor	0.76	0.76	0.76	0.84	0.84	0.84	0.89	0.89	0.89	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	182	496	434	333	208	115	196	640	236	196	1039	175
Shared Lane Traffic (%)												
Lane Group Flow (vph)	182	930	0	333	208	115	196	640	236	196	1039	175

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	138	377	280	175	97	174	570	210	182	966	163
Turn Type	Prot	NA	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4	3	8		5	2		1	6	
Permitted Phases					8			2			6
Detector Phase	7	4	3	8	8	5	2	2	1	6	6
Switch Phase											
Minimum Initial (s)	4.0	7.0	4.0	7.0	7.0	4.0	10.0	10.0	4.0	10.0	10.0
Minimum Split (s)	8.4	23.1	8.4	39.7	39.7	8.4	37.7	37.7	8.4	36.9	36.9
Total Split (s)	24.0	43.0	21.0	40.0	40.0	15.0	41.0	41.0	15.0	41.0	41.0
Total Split (%)	20.0%	35.8%	17.5%	33.3%	33.3%	12.5%	34.2%	34.2%	12.5%	34.2%	34.2%
Yellow Time (s)	3.4	4.1	3.4	4.7	4.7	3.4	4.7	4.7	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.1	4.4	5.7	5.7	4.4	6.7	6.7	4.4	4.9	4.9
Lead/Lag	Lead	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min	Min
Act Effct Green (s)	14.4	28.5	13.7	27.2	27.2	9.5	26.1	26.1	9.5	28.0	28.0
Actuated g/C Ratio	0.15	0.29	0.14	0.27	0.27	0.10	0.26	0.26	0.10	0.28	0.28
v/c Ratio	0.71	0.86	0.70	0.21	0.23	0.60	0.48	0.40	0.60	0.72	0.31
Control Delay	58.3	35.8	51.6	29.8	7.2	54.5	33.0	6.5	54.5	36.3	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	58.3	35.8	51.6	29.8	7.2	54.5	33.0	6.5	54.5	36.3	6.2
LOS	E	D	D	C	A	D	C	A	D	D	A
Approach Delay		39.5		36.9			31.1			35.1	
Approach LOS		D		D			C			D	

Intersection Summary	
Cycle Length: 120	
Actuated Cycle Length: 99.1	
Natural Cycle: 95	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.86	
Intersection Signal Delay: 35.5	Intersection LOS: D
Intersection Capacity Utilization 68.3%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 42: Qualcomm Way & Camino De La Reina



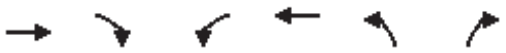
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	138	377	330	280	175	97	174	570	210	182	966	163
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.98	1.00		0.99	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	182	496	322	333	208	8	196	640	62	196	1039	46
Adj No. of Lanes	1	2	0	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.76	0.76	0.76	0.84	0.84	0.84	0.89	0.89	0.89	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	214	594	385	402	1010	442	260	1600	491	260	1600	498
Arrive On Green	0.12	0.29	0.29	0.12	0.29	0.29	0.08	0.31	0.31	0.08	0.31	0.31
Sat Flow, veh/h	1774	2055	1330	3442	3539	1550	3442	5085	1562	3442	5085	1582
Grp Volume(v), veh/h	182	427	391	333	208	8	196	640	62	196	1039	46
Grp Sat Flow(s),veh/h/ln	1774	1770	1615	1721	1770	1550	1721	1695	1562	1721	1695	1582
Q Serve(g_s), s	10.5	23.5	23.6	9.8	4.6	0.4	5.8	10.3	2.9	5.8	18.3	2.1
Cycle Q Clear(g_c), s	10.5	23.5	23.6	9.8	4.6	0.4	5.8	10.3	2.9	5.8	18.3	2.1
Prop In Lane	1.00		0.82	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	214	512	467	402	1010	442	260	1600	491	260	1600	498
V/C Ratio(X)	0.85	0.83	0.84	0.83	0.21	0.02	0.75	0.40	0.13	0.75	0.65	0.09
Avail Cap(c_a), veh/h	334	645	588	549	1167	511	351	1676	515	351	1764	549
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	44.8	34.7	34.7	44.9	28.2	26.7	47.1	28.0	25.4	47.1	30.7	25.2
Incr Delay (d2), s/veh	7.1	7.0	7.8	5.6	0.0	0.0	3.8	0.1	0.1	3.8	1.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	12.5	11.6	5.0	2.3	0.2	2.9	4.8	1.3	2.9	8.8	1.0
LnGrp Delay(d),s/veh	51.9	41.7	42.5	50.5	28.3	26.7	51.0	28.1	25.5	51.0	32.0	25.4
LnGrp LOS	D	D	D	D	C	C	D	C	C	D	C	C
Approach Vol, veh/h		1000			549			898			1281	
Approach Delay, s/veh		43.9			41.7			32.9			34.7	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.3	39.4	16.6	35.8	12.3	39.4	16.9	35.4
Change Period (Y+Rc), s	4.4	6.7	4.4	* 5.7	4.4	* 6.7	4.4	5.7
Max Green Setting (Gmax), s	10.6	34.3	16.6	* 38	10.6	* 36	19.6	34.3
Max Q Clear Time (g_c+I1), s	7.8	12.3	11.8	25.6	7.8	20.3	12.5	6.6
Green Ext Time (p_c), s	0.1	16.3	0.3	4.5	0.1	12.4	0.1	6.0

Intersection Summary	
HCM 2010 Ctrl Delay	37.8
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		0	70		80	0
Storage Lanes		1	1		1	1
Taper Length (ft)			25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		0.98	1.00		1.00	
Frt		0.850				0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	1863	1583	1770	1863	1770	1583
Flt Permitted			0.950		0.950	
Satd. Flow (perm)	1863	1545	1768	1863	1768	1583
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		150				121
Link Speed (mph)	35			35	25	
Link Distance (ft)	1295			433	1067	
Travel Time (s)	25.2			8.4	29.1	

Intersection Summary	
Area Type:	Other



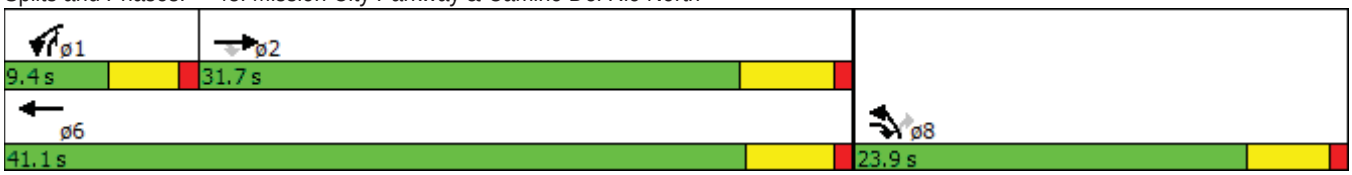
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	497	509	102	237	94	103
Confl. Peds. (#/hr)		2	2		1	
Confl. Bikes (#/hr)		2				
Peak Hour Factor	0.83	0.83	0.88	0.88	0.85	0.85
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	599	613	116	269	111	121
Shared Lane Traffic (%)						
Lane Group Flow (vph)	599	613	116	269	111	121

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (vph)	497	509	102	237	94	103
Turn Type	NA	pm+ov	Prot	NA	Prot	pm+ov
Protected Phases	2	8	1	6	8	1
Permitted Phases		2				8
Detector Phase	2	8	1	6	8	1
Switch Phase						
Minimum Initial (s)	7.0	4.0	4.0	7.0	4.0	4.0
Minimum Split (s)	31.6	23.9	8.4	21.3	23.9	8.4
Total Split (s)	31.7	23.9	9.4	41.1	23.9	9.4
Total Split (%)	48.8%	36.8%	14.5%	63.2%	36.8%	14.5%
Yellow Time (s)	4.6	3.9	3.4	4.3	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	4.9	4.4	5.3	4.9	4.4
Lead/Lag	Lag		Lead			Lead
Lead-Lag Optimize?	Yes		Yes			Yes
Recall Mode	Min	None	None	Min	None	None
Act Effct Green (s)	20.4	30.2	5.2	30.5	9.0	19.2
Actuated g/C Ratio	0.41	0.60	0.10	0.61	0.18	0.38
v/c Ratio	0.79	0.61	0.64	0.24	0.35	0.18
Control Delay	22.9	5.4	45.3	5.9	21.9	3.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	22.9	5.4	45.3	5.9	21.9	3.5
LOS	C	A	D	A	C	A
Approach Delay	14.1			17.7	12.3	
Approach LOS	B			B	B	

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 50	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.79	
Intersection Signal Delay: 14.6	Intersection LOS: B
Intersection Capacity Utilization 49.4%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 43: Mission City Parkway & Camino Del Rio North



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	497	509	102	237	94	103
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.98	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	599	486	116	269	111	0
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.83	0.83	0.88	0.88	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	874	853	147	1230	144	259
Arrive On Green	0.47	0.47	0.08	0.66	0.08	0.00
Sat Flow, veh/h	1863	1546	1774	1863	1774	1583
Grp Volume(v), veh/h	599	486	116	269	111	0
Grp Sat Flow(s),veh/h/ln	1863	1546	1774	1863	1774	1583
Q Serve(g_s), s	10.2	8.4	2.6	2.3	2.5	0.0
Cycle Q Clear(g_c), s	10.2	8.4	2.6	2.3	2.5	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	874	853	147	1230	144	259
V/C Ratio(X)	0.69	0.57	0.79	0.22	0.77	0.00
Avail Cap(c_a), veh/h	1198	1122	219	1643	830	872
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	8.4	6.0	18.3	2.7	18.3	0.0
Incr Delay (d2), s/veh	1.0	0.7	5.9	0.1	3.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.4	4.3	1.5	1.2	1.3	0.0
LnGrp Delay(d),s/veh	9.5	6.6	24.2	2.8	21.6	0.0
LnGrp LOS	A	A	C	A	C	
Approach Vol, veh/h	1085			385	111	
Approach Delay, s/veh	8.2			9.3	21.6	
Approach LOS	A			A	C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	7.8	24.6				32.4		8.2
Change Period (Y+Rc), s	4.4	5.6				* 5.6		4.9
Max Green Setting (Gmax), s	5.0	26.1				* 36		19.0
Max Q Clear Time (g_c+I1), s	4.6	12.2				4.3		4.5
Green Ext Time (p_c), s	0.0	6.7				9.7		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	9.4
HCM 2010 LOS	A

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	95			80	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00
Ped Bike Factor				0.99		0.98
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	3539	3539	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	3539	3539	1562	1770	1548
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				235		142
Link Speed (mph)		35	35		45	
Link Distance (ft)		1490	1635		1851	
Travel Time (s)		29.0	31.9		28.0	

Intersection Summary	
Area Type:	Other



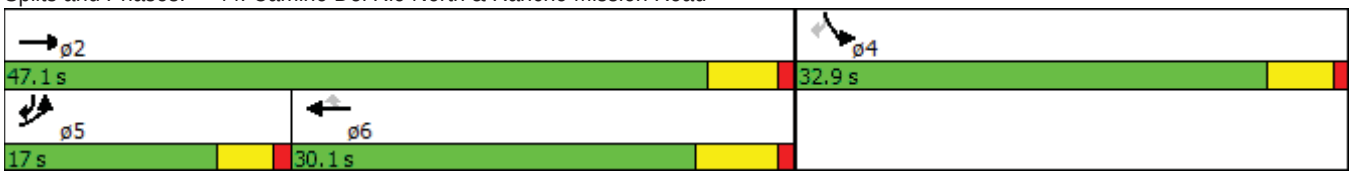
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	213	439	135	200	402	128
Confl. Peds. (#/hr)						1
Confl. Bikes (#/hr)				2		1
Peak Hour Factor	0.85	0.85	0.85	0.85	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	251	516	159	235	447	142
Shared Lane Traffic (%)						
Lane Group Flow (vph)	251	516	159	235	447	142

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	213	439	135	200	402	128
Turn Type	Prot	NA	NA	Perm	Prot	pm+ov
Protected Phases	5	2	6		4	5
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	5
Switch Phase						
Minimum Initial (s)	4.0	10.0	10.0	10.0	4.0	4.0
Minimum Split (s)	8.4	21.3	30.0	30.0	32.9	8.4
Total Split (s)	17.0	47.1	30.1	30.1	32.9	17.0
Total Split (%)	21.3%	58.9%	37.6%	37.6%	41.1%	21.3%
Yellow Time (s)	3.4	4.3	5.0	5.0	3.9	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.3	6.0	6.0	4.9	4.4
Lead/Lag	Lead		Lag	Lag		Lead
Lead-Lag Optimize?	Yes		Yes	Yes		Yes
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	12.4	30.1	12.4	12.4	18.6	31.5
Actuated g/C Ratio	0.21	0.51	0.21	0.21	0.31	0.53
v/c Ratio	0.68	0.29	0.21	0.46	0.80	0.16
Control Delay	36.3	9.5	21.1	6.7	31.3	1.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	36.3	9.5	21.1	6.7	31.3	1.9
LOS	D	A	C	A	C	A
Approach Delay		18.3	12.5		24.2	
Approach LOS		B	B		C	

Intersection Summary	
Cycle Length: 80	
Actuated Cycle Length: 59.2	
Natural Cycle: 80	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.80	
Intersection Signal Delay: 19.0	Intersection LOS: B
Intersection Capacity Utilization 55.2%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 44: Camino Del Rio North & Rancho Mission Road





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	213	439	135	200	402	128
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	251	516	159	41	447	0
Adj No. of Lanes	1	2	2	1	1	1
Peak Hour Factor	0.85	0.85	0.85	0.85	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	310	1700	757	331	517	738
Arrive On Green	0.17	0.48	0.21	0.21	0.29	0.00
Sat Flow, veh/h	1774	3632	3632	1546	1774	1583
Grp Volume(v), veh/h	251	516	159	41	447	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1546	1774	1583
Q Serve(g_s), s	6.5	4.2	1.8	1.0	11.4	0.0
Cycle Q Clear(g_c), s	6.5	4.2	1.8	1.0	11.4	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	310	1700	757	331	517	738
V/C Ratio(X)	0.81	0.30	0.21	0.12	0.86	0.00
Avail Cap(c_a), veh/h	468	3095	1784	779	1039	1204
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	19.0	7.6	15.5	15.2	16.0	0.0
Incr Delay (d2), s/veh	3.5	0.2	0.2	0.3	1.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	2.0	0.9	0.5	5.7	0.0
LnGrp Delay(d),s/veh	22.5	7.7	15.7	15.4	17.8	0.0
LnGrp LOS	C	A	B	B	B	
Approach Vol, veh/h		767	200		447	
Approach Delay, s/veh		12.6	15.6		17.8	
Approach LOS		B	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		29.0		18.8	12.7	16.2		
Change Period (Y+Rc), s		* 6		4.9	4.4	6.0		
Max Green Setting (Gmax), s		* 42		28.0	12.6	24.1		
Max Q Clear Time (g_c+I1), s		6.2		13.4	8.5	3.8		
Green Ext Time (p_c), s		7.8		0.6	0.1	6.5		

Intersection Summary	
HCM 2010 Ctrl Delay	14.6
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	130		0	520		140	220		200	90		150
Storage Lanes	1		1	1		1	1		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	1.00	0.91	0.86	0.91	1.00	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor					1.00	0.98	1.00		0.99			0.98
Frt			0.850		0.989	0.850			0.850			0.850
Flt Protected	0.950	0.996		0.950	0.968		0.950			0.950		
Satd. Flow (prot)	1681	1763	1583	1610	3064	1441	1770	3539	1583	3433	3539	1583
Flt Permitted	0.950	0.996		0.950	0.968		0.950			0.950		
Satd. Flow (perm)	1681	1763	1583	1610	3064	1417	1768	3539	1563	3433	3539	1551
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			103		5	190			172			103
Link Speed (mph)		35			45			45			45	
Link Distance (ft)		1214			1000			780			968	
Travel Time (s)		23.6			15.2			11.8			14.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	92	105	574	624	123	244	261	951	165	34	1314	64
Confl. Peds. (#/hr)							7					7
Confl. Bikes (#/hr)						3			2			3
Peak Hour Factor	0.94	0.94	0.94	0.95	0.95	0.95	0.96	0.96	0.96	0.94	0.94	0.94
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	98	112	611	657	129	257	272	991	172	36	1398	68
Shared Lane Traffic (%)	10%			50%		14%						
Lane Group Flow (vph)	88	122	611	328	494	221	272	991	172	36	1398	68

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	92	105	574	624	123	244	261	951	165	34	1314	64
Turn Type	Split	NA	pm+ov	Split	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	4	4	5	8	8		5	2		1	6	
Permitted Phases			4			8			2			6
Detector Phase	4	4	5	8	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	6.9	6.9	13.0	14.0	14.0	14.0	13.0	15.0	15.0	2.9	15.0	15.0
Minimum Split (s)	12.0	12.0	19.1	19.1	19.1	19.1	19.1	48.1	48.1	8.0	44.1	44.1
Total Split (s)	19.0	19.0	20.0	25.0	25.0	25.0	20.0	76.0	76.0	10.0	64.0	64.0
Total Split (%)	14.6%	14.6%	15.4%	19.2%	19.2%	19.2%	15.4%	58.5%	58.5%	7.7%	49.2%	49.2%
Yellow Time (s)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Lead/Lag			Lead				Lead	Lead	Lead	Lag	Lag	Lag
Lead-Lag Optimize?			Yes				Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	C-Max	C-Max	None	C-Max	C-Max
Act Effct Green (s)	12.1	12.1	27.0	21.7	21.7	21.7	14.9	74.9	74.9	4.8	60.9	60.9
Actuated g/C Ratio	0.09	0.09	0.21	0.17	0.17	0.17	0.11	0.58	0.58	0.04	0.47	0.47
v/c Ratio	0.56	0.74	1.49	1.22	1.21dl	0.56	1.35	0.49	0.18	0.28	0.84	0.09
Control Delay	70.2	83.5	259.3	174.0	83.9	16.4	228.2	17.8	2.4	66.7	36.3	1.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	70.2	83.5	259.3	174.0	83.9	16.4	228.2	17.8	2.4	66.7	36.3	1.4
LOS	E	F	F	F	F	B	F	B	A	E	D	A
Approach Delay		212.9			97.9			55.9			35.4	
Approach LOS		F			F			E			D	

Intersection Summary	
Cycle Length: 130	
Actuated Cycle Length: 130	
Offset: 30 (23%), Referenced to phase 2:NBT and 6:SBT, Start of Green	
Natural Cycle: 105	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 1.49	
Intersection Signal Delay: 85.5	Intersection LOS: F
Intersection Capacity Utilization 101.9%	ICU Level of Service G
Analysis Period (min) 15	
dl Defacto Left Lane. Recode with 1 though lane as a left lane.	

Splits and Phases: 45: Mission Gorge Road & Camino Del Rio North/I-8 WB Off Ramps



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	92	105	574	624	123	244	261	951	165	34	1314	64
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	98	112	366	657	192	84	272	991	94	36	1398	4
Adj No. of Lanes	1	1	1	2	1	1	1	2	1	2	2	1
Peak Hour Factor	0.94	0.94	0.94	0.95	0.95	0.95	0.96	0.96	0.96	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	190	199	351	543	285	238	203	1930	849	130	1658	729
Arrive On Green	0.11	0.11	0.11	0.15	0.15	0.15	0.11	0.55	0.55	0.04	0.47	0.47
Sat Flow, veh/h	1774	1863	1583	3548	1863	1557	1774	3539	1557	3442	3539	1555
Grp Volume(v), veh/h	98	112	366	657	192	84	272	991	94	36	1398	4
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1774	1863	1557	1774	1770	1557	1721	1770	1555
Q Serve(g_s), s	6.8	7.4	13.9	19.9	12.7	6.3	14.9	23.0	3.8	1.3	45.1	0.2
Cycle Q Clear(g_c), s	6.8	7.4	13.9	19.9	12.7	6.3	14.9	23.0	3.8	1.3	45.1	0.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	190	199	351	543	285	238	203	1930	849	130	1658	729
V/C Ratio(X)	0.52	0.56	1.04	1.21	0.67	0.35	1.34	0.51	0.11	0.28	0.84	0.01
Avail Cap(c_a), veh/h	190	199	351	543	285	238	203	1930	849	130	1658	729
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.80	0.80	0.80	1.00	1.00	1.00
Uniform Delay (d), s/veh	54.9	55.2	50.6	55.1	52.0	49.3	57.5	18.7	14.3	60.8	30.4	18.4
Incr Delay (d2), s/veh	1.1	2.2	59.8	110.6	5.0	0.3	176.1	0.8	0.2	0.4	5.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	4.0	18.4	18.1	6.9	2.7	17.2	11.4	1.7	0.6	23.2	0.1
LnGrp Delay(d),s/veh	56.0	57.4	110.4	165.7	57.0	49.6	233.6	19.4	14.5	61.3	35.8	18.4
LnGrp LOS	E	E	F	F	E	D	F	B	B	E	D	B
Approach Vol, veh/h		576			933			1357			1438	
Approach Delay, s/veh		90.8			132.9			62.0			36.4	
Approach LOS		F			F			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.0	76.0		19.0	20.0	66.0		25.0
Change Period (Y+Rc), s	5.1	5.1		5.1	5.1	5.1		5.1
Max Green Setting (Gmax), s	4.9	70.9		13.9	14.9	58.9		19.9
Max Q Clear Time (g_c+I1), s	3.3	25.0		15.9	16.9	47.1		21.9
Green Ext Time (p_c), s	0.8	4.8		0.0	0.0	5.2		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	72.7
HCM 2010 LOS	E

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		140	90		0
Storage Lanes	0		0	0		1	0		1	1		1
Taper Length (ft)	0			0			0			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor												0.99
Frt						0.850			0.850			0.850
Flt Protected										0.950		
Satd. Flow (prot)	0	0	0	0	1863	1583	0	3539	1583	1770	0	1583
Flt Permitted										0.950		
Satd. Flow (perm)	0	0	0	0	1863	1583	0	3539	1583	1770	0	1563
Right Turn on Red			Yes			Yes	Yes		Yes			Yes
Satd. Flow (RTOR)						326			143			227
Link Speed (mph)		35			30			30			30	
Link Distance (ft)		599			191			329			288	
Travel Time (s)		11.7			4.3			7.5			6.5	

Intersection Summary	
Area Type:	Other



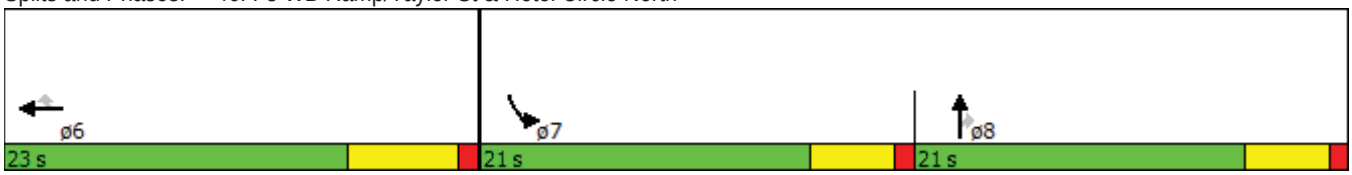
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	0	0	131	251	0	405	106	218	0	97
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												3
Peak Hour Factor	0.25	0.25	0.25	0.77	0.77	0.77	0.91	0.91	0.91	0.89	0.89	0.89
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	0	0	170	326	0	445	116	245	0	109
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	170	326	0	445	116	245	0	109

Intersection Summary

Lane Group	WBT	WBR	NBT	NBR	SBL	SBR
Lane Configurations						
Volume (vph)	131	251	405	106	218	97
Turn Type	NA	Perm	NA	Perm	Prot	Free
Protected Phases	6		8		7	
Permitted Phases		6		8		Free
Detector Phase	6	6	8	8	7	
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	
Minimum Split (s)	22.5	22.5	21.0	21.0	21.0	
Total Split (s)	23.0	23.0	21.0	21.0	21.0	
Total Split (%)	35.4%	35.4%	32.3%	32.3%	32.3%	
Yellow Time (s)	5.5	5.5	4.0	4.0	4.0	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.5	6.5	5.0	5.0	5.0	
Lead/Lag			Lag	Lag	Lead	
Lead-Lag Optimize?			Yes	Yes	Yes	
Recall Mode	Min	Min	None	None	None	
Act Effct Green (s)	11.2	11.2	9.9	9.9	10.2	48.6
Actuated g/C Ratio	0.23	0.23	0.20	0.20	0.21	1.00
v/c Ratio	0.40	0.53	0.62	0.27	0.66	0.07
Control Delay	20.6	6.3	22.6	4.7	28.3	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	20.6	6.3	22.6	4.7	28.3	0.1
LOS	C	A	C	A	C	A
Approach Delay	11.2		18.9			
Approach LOS	B		B			

Intersection Summary	
Cycle Length: 65	
Actuated Cycle Length: 48.6	
Natural Cycle: 65	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.66	
Intersection Signal Delay: 16.4	Intersection LOS: B
Intersection Capacity Utilization 43.1%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 46: I-8 WB Ramp/Taylor St & Hotel Circle North





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	0	0	131	251	0	405	106	218	0	97
Number				1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				0	1863	1863	0	1863	1863	1863	0	1863
Adj Flow Rate, veh/h				0	170	8	0	445	0	245	0	0
Adj No. of Lanes				0	1	1	0	2	1	1	0	1
Peak Hour Factor				0.77	0.77	0.77	0.91	0.91	0.91	0.89	0.89	0.89
Percent Heavy Veh, %				0	2	2	0	2	2	2	0	2
Cap, veh/h				0	0	0	0	877	392	348	0	0
Arrive On Green				0.00	0.00	0.00	0.00	0.25	0.00	0.20	0.00	0.00
Sat Flow, veh/h					0		0	3632	1583	1774	245	
Grp Volume(v), veh/h					0.0		0	445	0	245	7.7	
Grp Sat Flow(s),veh/h/ln							0	1770	1583	1774	A	
Q Serve(g_s), s							0.0	1.9	0.0	2.3		
Cycle Q Clear(g_c), s							0.0	1.9	0.0	2.3		
Prop In Lane							0.00		1.00	1.00		
Lane Grp Cap(c), veh/h							0	877	392	348		
V/C Ratio(X)							0.00	0.51	0.00	0.70		
Avail Cap(c_a), veh/h							0	3148	1408	1578		
HCM Platoon Ratio							1.00	1.00	1.00	1.00		
Upstream Filter(I)							0.00	1.00	0.00	1.00		
Uniform Delay (d), s/veh							0.0	5.8	0.0	6.7		
Incr Delay (d2), s/veh							0.0	0.2	0.0	1.0		
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln							0.0	0.9	0.0	1.2		
LnGrp Delay(d),s/veh							0.0	6.0	0.0	7.7		
LnGrp LOS								A		A		
Approach Vol, veh/h								445				
Approach Delay, s/veh								6.0				
Approach LOS								A				

Timer	1	2	3	4	5	6	7	8
Assigned Phs							7	8
Phs Duration (G+Y+Rc), s							8.5	9.5
Change Period (Y+Rc), s							5.0	5.0
Max Green Setting (Gmax), s							16.0	16.0
Max Q Clear Time (g_c+I1), s							4.3	3.9
Green Ext Time (p_c), s							0.1	1.0

Intersection Summary	
HCM 2010 Ctrl Delay	6.6
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	90		0	0		230	0		0
Storage Lanes	0		0	1		0	0		1	0		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt		0.993			0.989				0.850		0.977	
Flt Protected				0.950				0.954			0.968	
Satd. Flow (prot)	0	1850	0	1770	1842	0	0	1777	1583	0	1762	0
Flt Permitted				0.950				0.954			0.968	
Satd. Flow (perm)	0	1850	0	1770	1842	0	0	1777	1583	0	1762	0
Link Speed (mph)		35			35			30			30	
Link Distance (ft)		1334			890			500			305	
Travel Time (s)		26.0			17.3			11.4			6.9	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	1	310	17	330	116	9	139	4	506	4	1	1
Confl. Peds. (#/hr)	7		3	3		7						
Confl. Bikes (#/hr)			3			2						
Peak Hour Factor	0.87	0.87	0.87	0.91	0.91	0.91	0.93	0.93	0.93	0.50	0.50	0.50
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	1	356	20	363	127	10	149	4	544	8	2	2
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	377	0	363	137	0	0	153	544	0	12	0

Intersection Summary

Intersection	
Intersection Delay, s/veh	41
Intersection LOS	E

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Vol, veh/h	0	1	310	17	0	330	116	9	0	139	4	506
Peak Hour Factor	0.87	0.87	0.87	0.87	0.92	0.91	0.91	0.91	0.93	0.93	0.93	0.93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	1	356	20	0	363	127	10	0	149	4	544
Number of Lanes	0	0	1	0	0	1	1	0	0	0	1	1

Approach	EB	WB	NB
Opposing Approach	WB	EB	SB
Opposing Lanes	2	1	1
Conflicting Approach Left	SB	NB	EB
Conflicting Lanes Left	1	2	1
Conflicting Approach Right	NB	SB	WB
Conflicting Lanes Right	2	1	2
HCM Control Delay	33	30.5	53.4
HCM LOS	D	D	F

Lane	NBLn1	NBLn2	EBLn1	WBLn1	WBLn2	SBLn1
Vol Left, %	97%	0%	0%	100%	0%	67%
Vol Thru, %	3%	0%	95%	0%	93%	17%
Vol Right, %	0%	100%	5%	0%	7%	17%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	143	506	328	330	125	6
LT Vol	139	0	1	330	0	4
Through Vol	4	0	310	0	116	1
RT Vol	0	506	17	0	9	1
Lane Flow Rate	154	544	377	363	137	12
Geometry Grp	7	7	6	7	7	6
Degree of Util (X)	0.339	1	0.787	0.811	0.286	0.032
Departure Headway (Hd)	7.937	6.72	7.515	8.054	7.504	9.457
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	455	544	486	453	482	383
Service Time	5.642	4.424	5.502	5.739	5.189	7.394
HCM Lane V/C Ratio	0.338	1	0.776	0.801	0.284	0.031
HCM Control Delay	14.7	64.4	33	37.1	13.2	12.7
HCM Lane LOS	B	F	D	E	B	B
HCM 95th-tile Q	1.5	14.2	7.1	7.5	1.2	0.1

Intersection	
Intersection Delay, s/veh	
Intersection LOS	

Movement	SBU	SBL	SBT	SBR
Vol, veh/h	0	4	1	1
Peak Hour Factor	0.92	0.50	0.50	0.50
Heavy Vehicles, %	2	2	2	2
Mvmt Flow	0	8	2	2
Number of Lanes	0	0	1	0

Approach	SB
Opposing Approach	NB
Opposing Lanes	2
Conflicting Approach Left	WB
Conflicting Lanes Left	2
Conflicting Approach Right	EB
Conflicting Lanes Right	1
HCM Control Delay	12.7
HCM LOS	B

Lane



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	0			150	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	0				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00			0.97		0.98
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1765	1863	1863	1540	1770	1549
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				156		262
Link Speed (mph)		35	35		25	
Link Distance (ft)		890	756		1554	
Travel Time (s)		17.3	14.7		42.4	

Intersection Summary	
Area Type:	Other



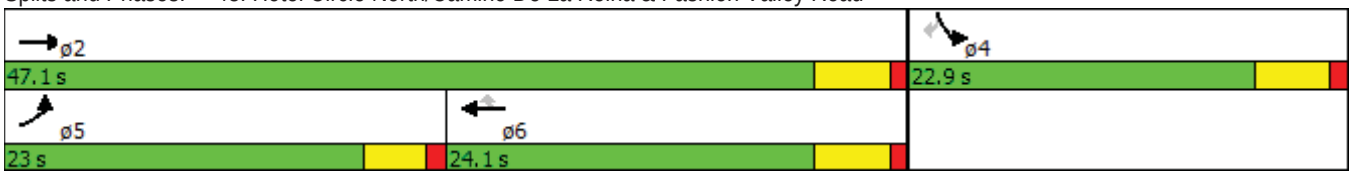
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	361	495	267	137	200	199
Confl. Peds. (#/hr)	2			2		
Confl. Bikes (#/hr)				3		1
Peak Hour Factor	0.85	0.85	0.88	0.88	0.76	0.76
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	425	582	303	156	263	262
Shared Lane Traffic (%)						
Lane Group Flow (vph)	425	582	303	156	263	262

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	361	495	267	137	200	199
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.4	20.9	23.9	23.9	22.9	22.9
Total Split (s)	23.0	47.1	24.1	24.1	22.9	22.9
Total Split (%)	32.9%	67.3%	34.4%	34.4%	32.7%	32.7%
Yellow Time (s)	3.4	3.9	3.9	3.9	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.9	4.9	4.9	4.9
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	17.5	37.2	15.2	15.2	13.0	13.0
Actuated g/C Ratio	0.29	0.62	0.25	0.25	0.22	0.22
v/c Ratio	0.83	0.51	0.64	0.31	0.69	0.49
Control Delay	38.8	8.8	28.2	5.9	32.9	6.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.8	8.8	28.2	5.9	32.9	6.7
LOS	D	A	C	A	C	A
Approach Delay		21.5	20.6		19.8	
Approach LOS		C	C		B	

Intersection Summary	
Cycle Length: 70	
Actuated Cycle Length: 60.3	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 20.8	Intersection LOS: C
Intersection Capacity Utilization 57.1%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 48: Hotel Circle North/Camino De La Reina & Fashion Valley Road





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	361	495	267	137	200	199
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	425	582	303	25	263	5
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.85	0.85	0.88	0.88	0.76	0.76
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	486	1166	495	409	324	289
Arrive On Green	0.27	0.63	0.27	0.27	0.18	0.18
Sat Flow, veh/h	1774	1863	1863	1539	1774	1583
Grp Volume(v), veh/h	425	582	303	25	263	5
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1539	1774	1583
Q Serve(g_s), s	11.7	8.7	7.3	0.6	7.3	0.1
Cycle Q Clear(g_c), s	11.7	8.7	7.3	0.6	7.3	0.1
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	486	1166	495	409	324	289
V/C Ratio(X)	0.87	0.50	0.61	0.06	0.81	0.02
Avail Cap(c_a), veh/h	645	1536	699	577	624	557
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.7	5.2	16.5	14.0	20.1	17.2
Incr Delay (d2), s/veh	8.4	0.3	1.7	0.1	1.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	4.5	3.9	0.3	3.7	0.1
LnGrp Delay(d),s/veh	26.1	5.5	18.2	14.1	22.0	17.2
LnGrp LOS	C	A	B	B	C	B
Approach Vol, veh/h		1007	328		268	
Approach Delay, s/veh		14.2	17.9		21.9	
Approach LOS		B	B		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		36.9		14.3	18.4	18.5		
Change Period (Y+Rc), s		4.9		4.9	4.4	4.9		
Max Green Setting (Gmax), s		42.2		18.0	18.6	19.2		
Max Q Clear Time (g_c+I1), s		10.7		9.3	13.7	9.3		
Green Ext Time (p_c), s		6.9		0.3	0.4	4.2		

Intersection Summary	
HCM 2010 Ctrl Delay	16.2
HCM 2010 LOS	B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	70		70	160		0	190		190	150		0
Storage Lanes	1		1	2		1	2		1	2		1
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	0.95	1.00	0.97	1.00	1.00	0.97	0.95	1.00	0.97	0.95	1.00
Ped Bike Factor	0.99		0.99	0.99		0.98			0.99			0.99
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	3539	1583	3433	1863	1583	3433	3539	1583	3433	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1757	3539	1563	3412	1863	1547	3433	3539	1563	3433	3539	1562
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			252			434			609			81
Link Speed (mph)		25			25			40			40	
Link Distance (ft)		730			461			758			473	
Travel Time (s)		19.9			12.6			12.9			8.1	

Intersection Summary	
Area Type:	Other



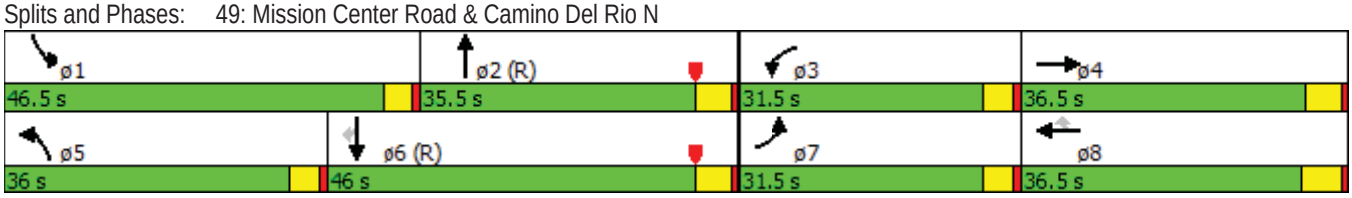
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	19	171	247	251	262	408	166	318	536	351	858	56
Confl. Peds. (#/hr)	7		3	3		7						
Confl. Bikes (#/hr)						1			3			2
Peak Hour Factor	0.83	0.83	0.83	0.94	0.94	0.94	0.88	0.88	0.88	0.99	0.99	0.99
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	23	206	298	267	279	434	189	361	609	355	867	57
Shared Lane Traffic (%)												
Lane Group Flow (vph)	23	206	298	267	279	434	189	361	609	355	867	57

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	19	171	247	251	262	408	166	318	536	351	858	56
Turn Type	Prot	NA	Free	Prot	NA	Perm	Prot	NA	Free	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	
Permitted Phases			Free			8			Free			6
Detector Phase	7	4		3	8	8	5	2		1	6	6
Switch Phase												
Minimum Initial (s)	4.0	7.0		4.0	7.0	7.0	4.0	10.0		4.0	10.0	10.0
Minimum Split (s)	8.4	20.9		8.4	36.3	36.3	8.4	20.9		8.4	27.9	27.9
Total Split (s)	31.5	36.5		31.5	36.5	36.5	36.0	35.5		46.5	46.0	46.0
Total Split (%)	21.0%	24.3%		21.0%	24.3%	24.3%	24.0%	23.7%		31.0%	30.7%	30.7%
Yellow Time (s)	3.4	3.9		3.4	4.3	4.3	3.4	3.9		3.4	3.9	3.9
All-Red Time (s)	1.0	1.0		1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9		4.4	5.3	5.3	4.4	4.9		4.4	4.9	4.9
Lead/Lag	Lead	Lag		Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes		Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
Recall Mode	None	None		None	None	None	None	C-Min		None	C-Min	C-Min
Act Effct Green (s)	6.5	17.7	150.0	16.0	30.6	30.6	12.7	76.7	150.0	20.9	85.0	85.0
Actuated g/C Ratio	0.04	0.12	1.00	0.11	0.20	0.20	0.08	0.51	1.00	0.14	0.57	0.57
v/c Ratio	0.30	0.49	0.19	0.73	0.74	0.66	0.65	0.20	0.39	0.74	0.43	0.06
Control Delay	78.7	64.9	0.3	79.0	51.6	10.4	91.5	10.9	1.9	71.4	21.3	1.9
Queue Delay	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.0	0.0	0.0	1.2	0.0
Total Delay	78.7	64.9	0.3	79.0	52.6	10.8	91.5	10.9	1.9	71.4	22.5	1.9
LOS	E	E	A	E	D	B	F	B	A	E	C	A
Approach Delay		28.9			41.3			19.3			35.2	
Approach LOS		C			D			B			D	

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 150	
Offset: 6 (4%), Referenced to phase 2:NBT and 6:SBT, Start of Yellow	
Natural Cycle: 85	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.74	
Intersection Signal Delay: 31.2	Intersection LOS: C
Intersection Capacity Utilization 63.9%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 49: Mission Center Road & Camino Del Rio N



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	19	171	247	251	262	408	166	318	536	351	858	56
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	23	206	0	267	279	67	189	361	0	355	867	0
Adj No. of Lanes	1	2	1	2	1	1	2	2	1	2	2	1
Peak Hour Factor	0.83	0.83	0.83	0.94	0.94	0.94	0.88	0.88	0.88	0.99	0.99	0.99
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	29	354	158	321	329	273	237	1974	883	421	2163	968
Arrive On Green	0.02	0.10	0.00	0.03	0.06	0.06	0.11	0.93	0.00	0.12	0.61	0.00
Sat Flow, veh/h	1774	3539	1583	3442	1863	1544	3442	3539	1583	3442	3539	1583
Grp Volume(v), veh/h	23	206	0	267	279	67	189	361	0	355	867	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1863	1544	1721	1770	1583	1721	1770	1583
Q Serve(g_s), s	1.9	8.3	0.0	11.6	22.3	6.2	8.0	1.3	0.0	15.1	18.9	0.0
Cycle Q Clear(g_c), s	1.9	8.3	0.0	11.6	22.3	6.2	8.0	1.3	0.0	15.1	18.9	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	29	354	158	321	329	273	237	1974	883	421	2163	968
V/C Ratio(X)	0.79	0.58	0.00	0.83	0.85	0.25	0.80	0.18	0.00	0.84	0.40	0.00
Avail Cap(c_a), veh/h	321	746	334	622	387	321	725	1974	883	966	2163	968
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33	1.67	1.67	1.67	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.86	0.86	0.86	0.80	0.80	0.00	0.81	0.81	0.00
Uniform Delay (d), s/veh	73.5	64.5	0.0	71.5	68.6	61.1	65.4	2.3	0.0	64.4	15.0	0.0
Incr Delay (d2), s/veh	15.8	1.5	0.0	1.9	10.9	0.1	1.9	0.2	0.0	3.8	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	4.2	0.0	5.6	12.5	2.7	3.9	0.6	0.0	7.4	9.4	0.0
LnGrp Delay(d),s/veh	89.3	66.0	0.0	73.4	79.5	61.2	67.3	2.5	0.0	68.2	15.5	0.0
LnGrp LOS	F	E		E	E	E	E	A		E	B	
Approach Vol, veh/h		229			613			550			1222	
Approach Delay, s/veh		68.4			74.8			24.7			30.8	
Approach LOS		E			E			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	22.7	88.6	18.4	20.3	14.7	96.6	6.9	31.8
Change Period (Y+Rc), s	4.4	4.9	4.4	* 5.3	4.4	4.9	4.4	5.3
Max Green Setting (Gmax), s	42.1	30.6	27.1	* 32	31.6	41.1	27.1	31.2
Max Q Clear Time (g_c+I1), s	17.1	3.3	13.6	10.3	10.0	20.9	3.9	24.3
Green Ext Time (p_c), s	1.2	11.7	0.4	2.6	0.3	10.0	0.0	1.6

Intersection Summary	
HCM 2010 Ctrl Delay	43.1
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	110		0	560		560	0		0
Storage Lanes	0		1	1		0	1		1	0		0
Taper Length (ft)	0			25			25			0		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt			0.850						0.850			
Flt Protected				0.950			0.950	0.966				
Satd. Flow (prot)	0	3539	1583	1770	3539	0	1681	1709	1583	0	0	0
Flt Permitted				0.950			0.950	0.966				
Satd. Flow (perm)	0	3539	1583	1770	3539	0	1681	1709	1583	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			804						353			
Link Speed (mph)		25			25			30			30	
Link Distance (ft)		461			859			441			281	
Travel Time (s)		12.6			23.4			10.0			6.4	

Intersection Summary	
Area Type:	Other



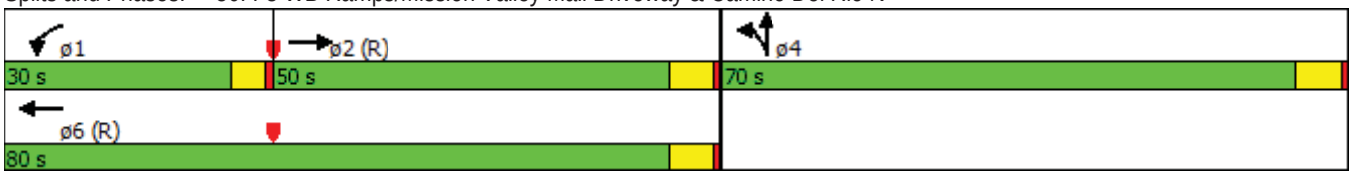
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	224	756	276	297	0	628	112	325	0	0	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)												
Peak Hour Factor	0.94	0.94	0.94	0.91	0.91	0.91	0.92	0.92	0.92	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	238	804	303	326	0	683	122	353	0	0	0
Shared Lane Traffic (%)							41%					
Lane Group Flow (vph)	0	238	804	303	326	0	403	402	353	0	0	0

Intersection Summary

Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR
Lane Configurations							
Volume (vph)	224	756	276	297	628	112	325
Turn Type	NA	Free	Prot	NA	Split	NA	Free
Protected Phases	2		1	6	4	4	
Permitted Phases		Free					Free
Detector Phase	2		1	6	4	4	
Switch Phase							
Minimum Initial (s)	12.0		5.0	10.0	8.0	8.0	
Minimum Split (s)	22.0		9.7	22.0	57.0	57.0	
Total Split (s)	50.0		30.0	80.0	70.0	70.0	
Total Split (%)	33.3%		20.0%	53.3%	46.7%	46.7%	
Yellow Time (s)	5.0		3.7	5.0	5.0	5.0	
All-Red Time (s)	1.0		1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0		0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.0		4.7	6.0	6.0	6.0	
Lead/Lag	Lag		Lead				
Lead-Lag Optimize?	Yes		Yes				
Recall Mode	C-Max		None	C-Max	Min	Min	
Act Effct Green (s)	54.1	150.0	32.8	91.6	46.4	46.4	150.0
Actuated g/C Ratio	0.36	1.00	0.22	0.61	0.31	0.31	1.00
v/c Ratio	0.19	0.51	0.78	0.15	0.78	0.76	0.22
Control Delay	31.0	4.0	70.2	14.0	56.8	55.6	0.3
Queue Delay	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Total Delay	31.0	4.0	70.2	14.0	56.8	55.7	0.3
LOS	C	A	E	B	E	E	A
Approach Delay	10.2			41.1		39.2	
Approach LOS	B			D		D	

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 150	
Offset: 85 (57%), Referenced to phase 2:EBT and 6:WBT, Start of Green	
Natural Cycle: 100	
Control Type: Actuated-Coordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 28.9	Intersection LOS: C
Intersection Capacity Utilization 59.5%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 50: I-8 WB Ramps/Mission Valley Mall Driveway & Camino Del Rio N





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	224	756	276	297	0	628	112	325	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	238	0	303	326	0	770	0	0			
Adj No. of Lanes	0	2	1	1	2	0	2	0	1			
Peak Hour Factor	0.94	0.94	0.94	0.91	0.91	0.91	0.92	0.92	0.92			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	1648	737	299	2356	0	902	0	403			
Arrive On Green	0.00	0.47	0.00	0.17	0.67	0.00	0.25	0.00	0.00			
Sat Flow, veh/h	0	3632	1583	1774	3632	0	3548	0	1583			
Grp Volume(v), veh/h	0	238	0	303	326	0	770	0	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1774	1770	0	1774	0	1583			
Q Serve(g_s), s	0.0	5.8	0.0	25.3	5.1	0.0	31.0	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	5.8	0.0	25.3	5.1	0.0	31.0	0.0	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	1648	737	299	2356	0	902	0	403			
V/C Ratio(X)	0.00	0.14	0.00	1.01	0.14	0.00	0.85	0.00	0.00			
Avail Cap(c_a), veh/h	0	1648	737	299	2356	0	1514	0	676			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.85	0.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	23.0	0.0	62.4	9.2	0.0	53.3	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.2	0.0	55.3	0.1	0.0	3.5	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	2.8	0.0	17.0	2.5	0.0	15.6	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	23.1	0.0	117.7	9.4	0.0	56.8	0.0	0.0			
LnGrp LOS		C		F	A		E					
Approach Vol, veh/h		238			629			770				
Approach Delay, s/veh		23.1			61.5			56.8				
Approach LOS		C			E			E				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	30.0	75.9		44.1		105.9		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 25	44.0		64.0		74.0		
Max Q Clear Time (g_c+I1), s	27.3	7.8		33.0		7.1		
Green Ext Time (p_c), s	0.0	4.4		5.1		4.5		

Intersection Summary	
HCM 2010 Ctrl Delay	53.7
HCM 2010 LOS	D

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	200			90	0	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	0.95	1.00	1.00	1.00
Ped Bike Factor					0.99	
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	3539	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	3539	1583	1758	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				122		159
Link Speed (mph)		25	25		25	
Link Distance (ft)		1900	707		752	
Travel Time (s)		51.8	19.3		20.5	

Intersection Summary	
Area Type:	Other



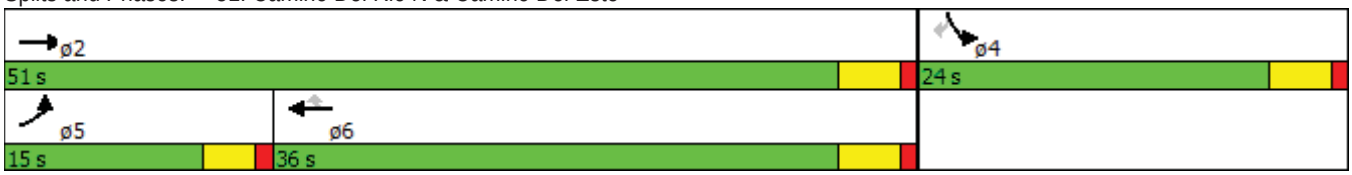
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	220	304	220	100	349	132
Confl. Peds. (#/hr)					3	
Confl. Bikes (#/hr)						
Peak Hour Factor	0.91	0.91	0.82	0.82	0.83	0.83
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	242	334	268	122	420	159
Shared Lane Traffic (%)						
Lane Group Flow (vph)	242	334	268	122	420	159

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	220	304	220	100	349	132
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0
Minimum Split (s)	8.0	20.5	34.5	34.5	22.5	22.5
Total Split (s)	15.0	51.0	36.0	36.0	24.0	24.0
Total Split (%)	20.0%	68.0%	48.0%	48.0%	32.0%	32.0%
Yellow Time (s)	3.0	3.5	3.5	3.5	3.5	3.5
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Max	Max	Max	None	None
Act Effct Green (s)	11.0	46.5	31.5	31.5	19.3	19.3
Actuated g/C Ratio	0.15	0.62	0.42	0.42	0.26	0.26
v/c Ratio	0.93	0.29	0.18	0.17	0.92	0.30
Control Delay	75.9	7.4	14.0	3.5	55.6	5.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	75.9	7.4	14.0	3.5	55.6	5.8
LOS	E	A	B	A	E	A
Approach Delay		36.2	10.7		41.9	
Approach LOS		D	B		D	

Intersection Summary	
Cycle Length: 75	
Actuated Cycle Length: 74.8	
Natural Cycle: 75	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.93	
Intersection Signal Delay: 31.9	Intersection LOS: C
Intersection Capacity Utilization 48.4%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 51: Camino Del Rio N & Camino Del Este





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	220	304	220	100	349	132
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	242	334	268	37	420	14
Adj No. of Lanes	1	1	2	1	1	1
Peak Hour Factor	0.91	0.91	0.82	0.82	0.83	0.83
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	261	1158	1491	667	457	408
Arrive On Green	0.15	0.62	0.42	0.42	0.26	0.26
Sat Flow, veh/h	1774	1863	3632	1583	1774	1583
Grp Volume(v), veh/h	242	334	268	37	420	14
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	1583	1774	1583
Q Serve(g_s), s	10.1	6.2	3.5	1.0	17.2	0.5
Cycle Q Clear(g_c), s	10.1	6.2	3.5	1.0	17.2	0.5
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	261	1158	1491	667	457	408
V/C Ratio(X)	0.93	0.29	0.18	0.06	0.92	0.03
Avail Cap(c_a), veh/h	261	1158	1491	667	463	413
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	31.5	6.5	13.6	12.8	27.0	20.8
Incr Delay (d2), s/veh	36.2	0.6	0.3	0.2	23.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.5	3.4	1.8	0.5	11.4	0.5
LnGrp Delay(d),s/veh	67.7	7.1	13.8	13.0	50.4	20.8
LnGrp LOS	E	A	B	B	D	C
Approach Vol, veh/h		576	305		434	
Approach Delay, s/veh		32.6	13.7		49.5	
Approach LOS		C	B		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		51.0		23.8	15.0	36.0		
Change Period (Y+Rc), s		4.5		4.5	4.0	4.5		
Max Green Setting (Gmax), s		46.5		19.5	11.0	31.5		
Max Q Clear Time (g_c+I1), s		8.2		19.2	12.1	5.5		
Green Ext Time (p_c), s		3.7		0.1	0.0	3.6		

Intersection Summary	
HCM 2010 Ctrl Delay	33.8
HCM 2010 LOS	C



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		200	0		0	0		0
Storage Lanes	1		1	0		1	1		1	0		1
Taper Length (ft)	0			0			0			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	0.95	1.00
Ped Bike Factor	1.00					0.98	1.00					0.98
Frt			0.850			0.850						0.850
Flt Protected	0.950				0.993		0.950					
Satd. Flow (prot)	1770	0	1583	0	1850	1583	1770	5085	1863	0	3539	1583
Flt Permitted	0.950				0.993		0.950					
Satd. Flow (perm)	1765	0	1583	0	1850	1559	1769	5085	1863	0	3539	1548
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			408			276						376
Link Speed (mph)		35			30			45			45	
Link Distance (ft)		378			430			672			469	
Travel Time (s)		7.4			9.8			10.2			7.1	

Intersection Summary	
Area Type:	Other



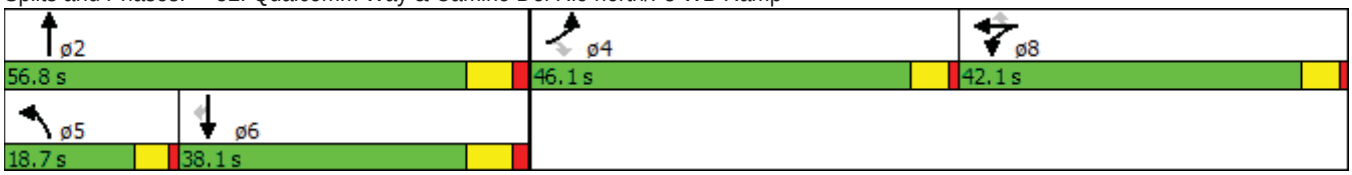
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	92	0	351	19	118	248	153	602	0	0	1004	571
Confl. Peds. (#/hr)	3					3	1					1
Confl. Bikes (#/hr)												
Peak Hour Factor	0.86	0.86	0.86	0.90	0.90	0.90	0.84	0.84	0.84	0.98	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	107	0	408	21	131	276	182	717	0	0	1024	583
Shared Lane Traffic (%)												
Lane Group Flow (vph)	107	0	408	0	152	276	182	717	0	0	1024	583

Intersection Summary

Lane Group	EBL	EBR	WBT	WBR	NBL	NBT	SBT	SBR
Lane Configurations								
Volume (vph)	92	351	118	248	153	602	1004	571
Turn Type	Prot	Perm	NA	Perm	Prot	NA	NA	Perm
Protected Phases	4		8		5	2	6	
Permitted Phases		4		8				6
Detector Phase	4	4	8	8	5	2	6	6
Switch Phase								
Minimum Initial (s)	5.0	5.0	15.0	15.0	14.0	12.0	13.0	13.0
Minimum Split (s)	46.1	46.1	42.1	42.1	18.7	25.0	37.0	37.0
Total Split (s)	46.1	46.1	42.1	42.1	18.7	56.8	38.1	38.1
Total Split (%)	31.8%	31.8%	29.0%	29.0%	12.9%	39.2%	26.3%	26.3%
Yellow Time (s)	4.1	4.1	4.1	4.1	3.7	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.1	5.1	5.1	5.1	4.7	7.0	7.0	7.0
Lead/Lag					Lead		Lag	Lag
Lead-Lag Optimize?					Yes		Yes	Yes
Recall Mode	None	None	None	None	None	Min	Min	Min
Act Effct Green (s)	10.6	10.6	18.7	18.7	14.2	50.5	31.5	31.5
Actuated g/C Ratio	0.11	0.11	0.19	0.19	0.15	0.52	0.32	0.32
v/c Ratio	0.56	0.76	0.43	0.53	0.71	0.27	0.89	0.77
Control Delay	53.7	14.7	38.3	7.9	57.4	15.0	43.5	19.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
Total Delay	53.7	14.7	38.3	7.9	57.4	15.0	44.0	19.3
LOS	D	B	D	A	E	B	D	B
Approach Delay			18.7			23.6	35.0	
Approach LOS			B			C	D	

Intersection Summary	
Cycle Length: 145	
Actuated Cycle Length: 97.2	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.89	
Intersection Signal Delay: 28.2	Intersection LOS: C
Intersection Capacity Utilization 78.1%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 52: Qualcomm Way & Camino Del Rio north/I-8 WB Ramp



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	92	0	351	19	118	248	153	602	0	0	1004	571
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863	1900	1863	1863	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	107	0	65	21	131	48	182	717	0	0	1024	282
Adj No. of Lanes	1	0	1	0	1	1	1	3	1	0	2	1
Peak Hour Factor	0.86	0.86	0.86	0.90	0.90	0.90	0.84	0.84	0.84	0.98	0.98	0.98
Percent Heavy Veh, %	2	0	2	2	2	2	2	2	2	0	2	2
Cap, veh/h	0	0	0	52	327	323	322	3227	1005	0	1383	618
Arrive On Green	0.00	0.00	0.00	0.21	0.21	0.21	0.18	0.63	0.00	0.00	0.39	0.39
Sat Flow, veh/h		0		256	1594	1576	1774	5085	1583	0	3632	1581
Grp Volume(v), veh/h		0.0		152	0	48	182	717	0	0	1024	282
Grp Sat Flow(s),veh/h/ln				1850	0	1576	1774	1695	1583	0	1770	1581
Q Serve(g_s), s				5.4	0.0	1.9	7.1	4.5	0.0	0.0	18.7	10.0
Cycle Q Clear(g_c), s				5.4	0.0	1.9	7.1	4.5	0.0	0.0	18.7	10.0
Prop In Lane				0.14		1.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h				379	0	323	322	3227	1005	0	1383	618
V/C Ratio(X)				0.40	0.00	0.15	0.57	0.22	0.00	0.00	0.74	0.46
Avail Cap(c_a), veh/h				907	0	773	329	3357	1045	0	1459	652
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				26.0	0.0	24.6	28.2	5.9	0.0	0.0	19.7	17.0
Incr Delay (d2), s/veh				0.3	0.0	0.1	1.3	0.0	0.0	0.0	2.5	1.1
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				2.8	0.0	0.8	3.6	2.1	0.0	0.0	9.6	4.5
LnGrp Delay(d),s/veh				26.2	0.0	24.7	29.4	5.9	0.0	0.0	22.2	18.2
LnGrp LOS				C		C	C	A			C	B
Approach Vol, veh/h					200			899			1306	
Approach Delay, s/veh					25.8			10.6			21.3	
Approach LOS					C			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		54.9			18.4	36.5		20.6
Change Period (Y+Rc), s		7.0			* 4.7	7.0		5.1
Max Green Setting (Gmax), s		49.8			* 14	31.1		37.0
Max Q Clear Time (g_c+I1), s		6.5			9.1	20.7		7.4
Green Ext Time (p_c), s		26.3			0.0	8.8		0.6

Intersection Summary	
HCM 2010 Ctrl Delay	17.7
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	190		0	90		140	0		0	140		0
Storage Lanes	2		0	1		0	0		0	1		1
Taper Length (ft)	25			25			0			25		
Lane Util. Factor	0.97	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor	1.00	1.00		0.99	1.00			0.95		0.97	0.97	0.98
Frt		0.994			0.962			0.865				0.850
Flt Protected	0.950			0.950						0.950	0.958	
Satd. Flow (prot)	3433	3512	0	1770	3390	0	0	1523	0	1681	1695	1583
Flt Permitted	0.950			0.950						0.950	0.958	
Satd. Flow (perm)	3428	3512	0	1755	3390	0	0	1523	0	1630	1650	1559
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4			34			248				382
Link Speed (mph)		35			35			40			40	
Link Distance (ft)		1245			572			282			437	
Travel Time (s)		24.3			11.1			4.8			7.4	

Intersection Summary	
Area Type:	Other



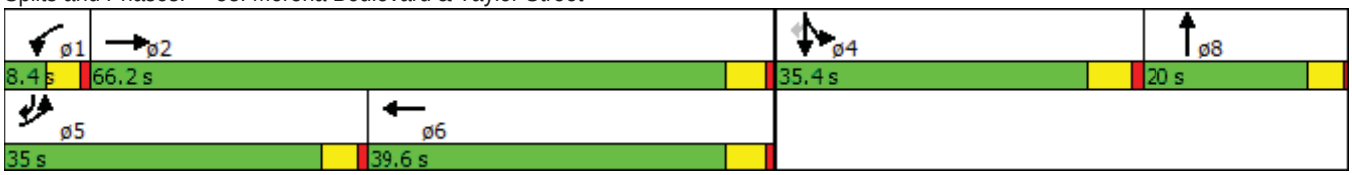
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	502	603	25	7	370	123	0	0	28	199	13	355
Confl. Peds. (#/hr)	2		5	5		2	1		8	8		1
Confl. Bikes (#/hr)						2			1			5
Peak Hour Factor	0.85	0.85	0.85	0.78	0.78	0.78	0.58	0.58	0.58	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	591	709	29	9	474	158	0	0	48	214	14	382
Shared Lane Traffic (%)										47%		
Lane Group Flow (vph)	591	738	0	9	632	0	0	48	0	113	115	382

Intersection Summary

Lane Group	EBL	EBT	WBL	WBT	NBT	SBL	SBT	SBR
Lane Configurations								
Volume (vph)	502	603	7	370	0	199	13	355
Turn Type	Prot	NA	Prot	NA	NA	Split	NA	pm+ov
Protected Phases	5	2	1	6	8	4	4	5
Permitted Phases								4
Detector Phase	5	2	1	6	8	4	4	5
Switch Phase								
Minimum Initial (s)	2.0	7.0	4.0	7.0	4.0	7.0	7.0	2.0
Minimum Split (s)	11.0	22.9	8.4	26.9	20.0	35.3	35.3	11.0
Total Split (s)	35.0	66.2	8.4	39.6	20.0	35.4	35.4	35.0
Total Split (%)	26.9%	50.9%	6.5%	30.5%	15.4%	27.2%	27.2%	26.9%
Yellow Time (s)	3.4	3.9	3.4	3.9	3.5	4.3	4.3	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	4.9	4.4	4.9	4.0	5.3	5.3	4.4
Lead/Lag	Lead	Lag	Lead	Lag				Lead
Lead-Lag Optimize?	Yes	Yes	Yes	Yes				Yes
Recall Mode	None	Min	None	Min	None	None	None	None
Act Effct Green (s)	19.7	45.1	4.4	21.7	6.1	14.8	14.8	35.5
Actuated g/C Ratio	0.26	0.58	0.06	0.28	0.08	0.19	0.19	0.46
v/c Ratio	0.67	0.36	0.09	0.65	0.14	0.35	0.35	0.41
Control Delay	32.3	10.8	48.7	28.8	0.8	34.3	34.4	2.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.3	10.8	48.7	28.8	0.8	34.3	34.4	2.3
LOS	C	B	D	C	A	C	C	A
Approach Delay		20.4		29.1	0.8		14.3	
Approach LOS		C		C	A		B	

Intersection Summary	
Cycle Length: 130	
Actuated Cycle Length: 77.1	
Natural Cycle: 95	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.67	
Intersection Signal Delay: 20.7	Intersection LOS: C
Intersection Capacity Utilization 53.9%	ICU Level of Service A
Analysis Period (min) 15	

Splits and Phases: 53: Morena Boulevard & Taylor Street



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	502	603	25	7	370	123	0	0	28	199	13	355
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	0	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	591	709	29	9	474	158	0	0	0	224	0	382
Adj No. of Lanes	2	2	0	1	2	0	0	1	0	2	0	1
Peak Hour Factor	0.85	0.85	0.85	0.78	0.78	0.78	0.58	0.58	0.58	0.93	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2	0	2	2	2	2	2
Cap, veh/h	713	1816	74	16	848	281	0	3	0	922	0	735
Arrive On Green	0.21	0.52	0.52	0.01	0.33	0.33	0.00	0.00	0.00	0.26	0.00	0.26
Sat Flow, veh/h	3442	3465	142	1774	2602	861	0	-74510	0	3494	0	1544
Grp Volume(v), veh/h	591	362	376	9	321	311	0	0	0	224	0	382
Grp Sat Flow(s),veh/h/ln	1721	1770	1837	1774	1770	1692	0	1863	0	1747	0	1544
Q Serve(g_s), s	11.8	8.8	8.8	0.4	10.8	10.9	0.0	0.0	0.0	3.6	0.0	12.5
Cycle Q Clear(g_c), s	11.8	8.8	8.8	0.4	10.8	10.9	0.0	0.0	0.0	3.6	0.0	12.5
Prop In Lane	1.00		0.08	1.00		0.51	0.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	713	928	963	16	577	552	0	3	0	922	0	735
V/C Ratio(X)	0.83	0.39	0.39	0.55	0.56	0.56	0.00	0.00	0.00	0.24	0.00	0.52
Avail Cap(c_a), veh/h	1463	1506	1564	99	853	816	0	414	0	1461	0	973
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	27.3	10.2	10.2	35.5	20.0	20.0	0.0	0.0	0.0	20.8	0.0	13.4
Incr Delay (d2), s/veh	1.0	0.3	0.3	10.5	1.1	1.2	0.0	0.0	0.0	0.2	0.0	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.7	4.3	4.5	0.2	5.4	5.3	0.0	0.0	0.0	1.8	0.0	0.2
LnGrp Delay(d),s/veh	28.3	10.5	10.5	46.0	21.1	21.2	0.0	0.0	0.0	21.1	0.0	14.3
LnGrp LOS	C	B	B	D	C	C				C		B
Approach Vol, veh/h		1329			641			0			606	
Approach Delay, s/veh		18.4			21.5			0.0			16.8	
Approach LOS		B			C						B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.1	42.6		24.3	19.3	28.4		0.0
Change Period (Y+Rc), s	4.4	4.9		5.3	4.4	4.9		4.0
Max Green Setting (Gmax), s	4.0	61.3		30.1	30.6	34.7		16.0
Max Q Clear Time (g_c+I1), s	2.4	10.8		14.5	13.8	12.9		0.0
Green Ext Time (p_c), s	0.0	14.4		3.5	1.1	10.6		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	18.8
HCM 2010 LOS	B

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	170			140	0	280
Storage Lanes	1			0	2	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	0.95	0.95	0.97	1.00
Ped Bike Factor					1.00	0.99
Frt			0.958			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	3391	0	3433	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	3391	0	3424	1560
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			47			108
Link Speed (mph)		35	35		30	
Link Distance (ft)		532	730		439	
Travel Time (s)		10.4	14.2		10.0	

Intersection Summary	
Area Type:	Other



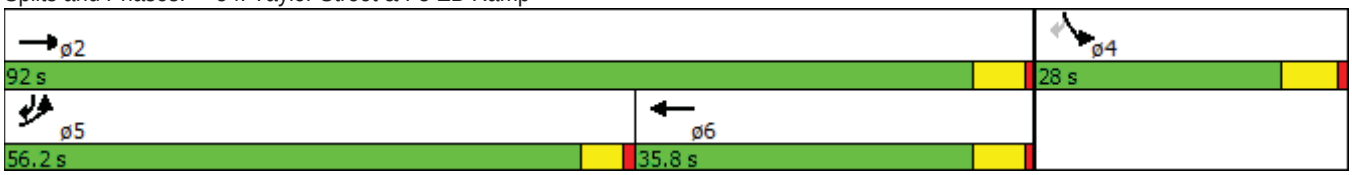
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	594	342	394	156	311	81
Confl. Peds. (#/hr)					1	
Confl. Bikes (#/hr)						7
Peak Hour Factor	0.90	0.90	0.95	0.95	0.75	0.75
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	660	380	415	164	415	108
Shared Lane Traffic (%)						
Lane Group Flow (vph)	660	380	579	0	415	108

Intersection Summary

Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Configurations					
Volume (vph)	594	342	394	311	81
Turn Type	Prot	NA	NA	Prot	pm+ov
Protected Phases	5	2	6	4	5
Permitted Phases					4
Detector Phase	5	2	6	4	5
Switch Phase					
Minimum Initial (s)	5.0	10.0	15.0	5.0	5.0
Minimum Split (s)	9.7	21.5	35.5	28.0	9.7
Total Split (s)	56.2	92.0	35.8	28.0	56.2
Total Split (%)	46.8%	76.7%	29.8%	23.3%	46.8%
Yellow Time (s)	3.7	4.5	4.5	5.0	3.7
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.7	5.5	5.5	6.0	4.7
Lead/Lag	Lead		Lag		Lead
Lead-Lag Optimize?	Yes		Yes		Yes
Recall Mode	None	Max	Max	None	None
Act Effct Green (s)	45.5	86.6	36.4	17.1	63.9
Actuated g/C Ratio	0.39	0.75	0.32	0.15	0.55
v/c Ratio	0.94	0.27	0.53	0.81	0.12
Control Delay	56.6	5.4	33.5	60.8	1.7
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	56.6	5.4	33.5	60.8	1.7
LOS	E	A	C	E	A
Approach Delay		37.9	33.5	48.6	
Approach LOS		D	C	D	

Intersection Summary	
Cycle Length: 120	
Actuated Cycle Length: 115.2	
Natural Cycle: 110	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.94	
Intersection Signal Delay: 39.3	Intersection LOS: D
Intersection Capacity Utilization 71.2%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 54: Taylor Street & I-8 EB Ramp





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	594	342	394	156	311	81
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	660	380	415	0	415	0
Adj No. of Lanes	1	1	2	0	2	1
Peak Hour Factor	0.90	0.90	0.95	0.95	0.75	0.75
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	682	1418	1187	0	474	827
Arrive On Green	0.38	0.76	0.34	0.00	0.14	0.00
Sat Flow, veh/h	1774	1863	3725	0	3442	1583
Grp Volume(v), veh/h	660	380	415	0	415	0
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	0	1721	1583
Q Serve(g_s), s	41.4	7.0	10.0	0.0	13.4	0.0
Cycle Q Clear(g_c), s	41.4	7.0	10.0	0.0	13.4	0.0
Prop In Lane	1.00			0.00	1.00	1.00
Lane Grp Cap(c), veh/h	682	1418	1187	0	474	827
V/C Ratio(X)	0.97	0.27	0.35	0.00	0.88	0.00
Avail Cap(c_a), veh/h	804	1418	1187	0	666	915
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	34.3	4.1	28.4	0.0	48.0	0.0
Incr Delay (d2), s/veh	21.4	0.5	0.8	0.0	7.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	24.2	3.7	5.0	0.0	6.9	0.0
LnGrp Delay(d),s/veh	55.7	4.5	29.3	0.0	55.3	0.0
LnGrp LOS	E	A	C		E	
Approach Vol, veh/h		1040	415		415	
Approach Delay, s/veh		37.0	29.3		55.3	
Approach LOS		D	C		E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		92.0		21.7	48.4	43.6		
Change Period (Y+Rc), s		5.5		6.0	* 4.7	5.5		
Max Green Setting (Gmax), s		86.5		22.0	* 52	30.3		
Max Q Clear Time (g_c+I1), s		9.0		15.4	43.4	12.0		
Green Ext Time (p_c), s		3.5		0.2	0.2	3.1		

Intersection Summary	
HCM 2010 Ctrl Delay	39.4
HCM 2010 LOS	D

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	360			0	0	0
Storage Lanes	1			0	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt			0.925			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1723	0	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	1723	0	1770	1583
Link Speed (mph)		35	35		35	
Link Distance (ft)		730	3613		599	
Travel Time (s)		14.2	70.4		11.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	262	472	63	80	152	486
Confl. Peds. (#/hr)						1
Confl. Bikes (#/hr)				5		
Peak Hour Factor	0.89	0.89	0.83	0.83	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	294	530	76	96	163	523
Shared Lane Traffic (%)						
Lane Group Flow (vph)	294	530	172	0	163	523

Intersection Summary

Intersection	
Intersection Delay, s/veh	43.1
Intersection LOS	E

Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBU	SBL	SBR
Vol, veh/h	0	262	472	0	63	80	0	152	486
Peak Hour Factor	0.89	0.89	0.89	0.92	0.83	0.83	0.92	0.93	0.93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	294	530	0	76	96	0	163	523
Number of Lanes	0	1	1	0	1	0	0	1	1

Approach	EB	WB	SB
Opposing Approach	WB	EB	
Opposing Lanes	1	2	0
Conflicting Approach Left	SB		WB
Conflicting Lanes Left	2	0	1
Conflicting Approach Right		SB	EB
Conflicting Lanes Right	0	2	2
HCM Control Delay	50.1	13.6	42.2
HCM LOS	F	B	E

Lane	EBLn1	EBLn2	WBLn1	SBLn1	SBLn2
Vol Left, %	100%	0%	0%	100%	0%
Vol Thru, %	0%	100%	44%	0%	0%
Vol Right, %	0%	0%	56%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	262	472	143	152	486
LT Vol	262	0	0	152	0
Through Vol	0	472	63	0	0
RT Vol	0	0	80	0	486
Lane Flow Rate	294	530	172	163	523
Geometry Grp	7	7	4	7	7
Degree of Util (X)	0.611	1	0.339	0.351	0.945
Departure Headway (Hd)	7.477	6.967	7.091	7.733	6.512
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes
Cap	480	520	515	471	564
Service Time	5.259	4.749	5.025	5.386	4.189
HCM Lane V/C Ratio	0.613	1.019	0.334	0.346	0.927
HCM Control Delay	21.4	66.1	13.6	14.5	50.8
HCM Lane LOS	C	F	B	B	F
HCM 95th-tile Q	4	13.8	1.5	1.6	12.2



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	180			90	0	60
Storage Lanes	1			1	1	1
Taper Length (ft)	25				0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor						
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	1863	1583	1770	1583
Link Speed (mph)		30	35		30	
Link Distance (ft)		806	1103		432	
Travel Time (s)		18.3	21.5		9.8	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	467	320	165	661	127	27
Confl. Peds. (#/hr)					1	
Confl. Bikes (#/hr)				2		
Peak Hour Factor	0.61	0.61	0.94	0.94	0.70	0.70
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	766	525	176	703	181	39
Shared Lane Traffic (%)						
Lane Group Flow (vph)	766	525	176	703	181	39

Intersection Summary

Intersection	
Intersection Delay, s/veh	53.2
Intersection LOS	F

Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBU	SBL	SBR
Vol, veh/h	0	467	320	0	165	661	0	127	27
Peak Hour Factor	0.61	0.61	0.61	0.92	0.94	0.94	0.92	0.70	0.70
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	766	525	0	176	703	0	181	39
Number of Lanes	0	1	1	0	1	1	0	1	1

Approach	EB	WB	SB
Opposing Approach	WB	EB	
Opposing Lanes	2	2	0
Conflicting Approach Left	SB		WB
Conflicting Lanes Left	2	0	2
Conflicting Approach Right		SB	EB
Conflicting Lanes Right	0	2	2
HCM Control Delay	59.8	52.5	16.8
HCM LOS	F	F	C

Lane	EBLn1	EBLn2	WBLn1	WBLn2	SBLn1	SBLn2
Vol Left, %	100%	0%	0%	0%	100%	0%
Vol Thru, %	0%	100%	100%	0%	0%	0%
Vol Right, %	0%	0%	0%	100%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	467	320	165	661	127	27
LT Vol	467	0	0	0	127	0
Through Vol	0	320	165	0	0	0
RT Vol	0	0	0	661	0	27
Lane Flow Rate	766	525	176	703	181	39
Geometry Grp	7	7	7	7	7	7
Degree of Util (X)	1	0.943	0.341	1	0.438	0.08
Departure Headway (Hd)	6.981	6.472	6.991	6.291	8.687	7.489
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	521	556	516	584	417	481
Service Time	4.751	4.251	4.704	4.004	6.398	5.2
HCM Lane V/C Ratio	1.47	0.944	0.341	1.204	0.434	0.081
HCM Control Delay	66.1	50.7	13.3	62.3	18	10.9
HCM Lane LOS	F	F	B	F	C	B
HCM 95th-tile Q	13.8	12.1	1.5	14.6	2.2	0.3



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		0	110		300	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99				0.97	0.97
Frt	0.966					0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	1790	0	1770	1863	1770	1583
Flt Permitted			0.950		0.950	
Satd. Flow (perm)	1790	0	1770	1863	1713	1542
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	29					263
Link Speed (mph)	35			35	40	
Link Distance (ft)	1103			674	947	
Travel Time (s)	21.5			13.1	16.1	

Intersection Summary	
Area Type:	Other



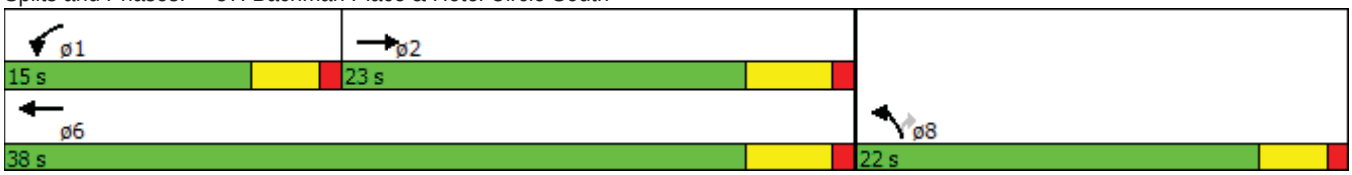
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	265	89	203	553	393	245
Confl. Peds. (#/hr)					18	
Confl. Bikes (#/hr)		1				5
Peak Hour Factor	0.78	0.78	0.86	0.86	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	340	114	236	643	423	263
Shared Lane Traffic (%)						
Lane Group Flow (vph)	454	0	236	643	423	263

Intersection Summary

Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Configurations					
Volume (vph)	265	203	553	393	245
Turn Type	NA	Prot	NA	Prot	Perm
Protected Phases	2	1	6	8	
Permitted Phases					8
Detector Phase	2	1	6	8	8
Switch Phase					
Minimum Initial (s)	10.0	4.0	10.0	4.0	4.0
Minimum Split (s)	23.0	8.0	21.0	22.0	22.0
Total Split (s)	23.0	15.0	38.0	22.0	22.0
Total Split (%)	38.3%	25.0%	63.3%	36.7%	36.7%
Yellow Time (s)	4.0	3.0	4.0	3.0	3.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.0	4.0	5.0	4.0	4.0
Lead/Lag	Lag	Lead			
Lead-Lag Optimize?	Yes	Yes			
Recall Mode	Min	None	Min	None	None
Act Effct Green (s)	16.7	10.2	31.0	16.2	16.2
Actuated g/C Ratio	0.30	0.18	0.55	0.29	0.29
v/c Ratio	0.82	0.73	0.63	0.83	0.42
Control Delay	33.0	39.0	12.4	36.1	4.9
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	33.0	39.0	12.4	36.1	4.9
LOS	C	D	B	D	A
Approach Delay	33.0		19.5	24.1	
Approach LOS	C		B	C	

Intersection Summary	
Cycle Length: 60	
Actuated Cycle Length: 56.3	
Natural Cycle: 60	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.83	
Intersection Signal Delay: 24.1	Intersection LOS: C
Intersection Capacity Utilization 63.2%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 57: Bachman Place & Hotel Circle South



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	265	89	203	553	393	245
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.98	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863	1863	1863
Adj Flow Rate, veh/h	340	88	236	643	423	64
Adj No. of Lanes	1	0	1	1	1	1
Peak Hour Factor	0.78	0.78	0.86	0.86	0.93	0.93
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	445	115	290	1031	487	435
Arrive On Green	0.31	0.31	0.16	0.55	0.27	0.27
Sat Flow, veh/h	1421	368	1774	1863	1774	1583
Grp Volume(v), veh/h	0	428	236	643	423	64
Grp Sat Flow(s),veh/h/ln	0	1788	1774	1863	1774	1583
Q Serve(g_s), s	0.0	11.3	6.7	12.3	11.9	1.6
Cycle Q Clear(g_c), s	0.0	11.3	6.7	12.3	11.9	1.6
Prop In Lane		0.21	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	0	560	290	1031	487	435
V/C Ratio(X)	0.00	0.76	0.81	0.62	0.87	0.15
Avail Cap(c_a), veh/h	0	616	374	1177	611	546
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	16.2	21.1	8.0	18.1	14.3
Incr Delay (d2), s/veh	0.0	5.5	9.1	1.0	9.9	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	6.3	4.0	6.5	7.1	0.7
LnGrp Delay(d),s/veh	0.0	21.7	30.2	9.0	28.0	14.4
LnGrp LOS		C	C	A	C	B
Approach Vol, veh/h	428			879	487	
Approach Delay, s/veh	21.7			14.7	26.2	
Approach LOS	C			B	C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	12.5	21.4				33.9		18.3
Change Period (Y+Rc), s	4.0	5.0				5.0		4.0
Max Green Setting (Gmax), s	11.0	18.0				33.0		18.0
Max Q Clear Time (g_c+I1), s	8.7	13.3				14.3		13.9
Green Ext Time (p_c), s	0.1	3.1				8.5		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	19.5
HCM 2010 LOS	B



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		220	0		0	0		80	330		0
Storage Lanes	2		1	0		0	0		1	1		0
Taper Length (ft)	0			0			0			25		
Lane Util. Factor	0.97	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.91	0.91	1.00
Ped Bike Factor												
Frt			0.850						0.850			
Flt Protected	0.950									0.950	0.975	
Satd. Flow (prot)	3433	0	1583	0	0	0	0	3539	1583	1610	3305	0
Flt Permitted	0.950									0.950	0.975	
Satd. Flow (perm)	3433	0	1583	0	0	0	0	3539	1583	1610	3305	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			386						128			
Link Speed (mph)		30			30			40			40	
Link Distance (ft)		791			665			273			758	
Travel Time (s)		18.0			15.1			4.7			12.9	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	572	0	340	0	0	0	0	473	315	785	388	0
Confl. Peds. (#/hr)							16					16
Confl. Bikes (#/hr)												2
Peak Hour Factor	0.88	0.88	0.88	0.25	0.25	0.25	0.87	0.87	0.87	0.97	0.97	0.97
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	650	0	386	0	0	0	0	544	362	809	400	0
Shared Lane Traffic (%)										50%		
Lane Group Flow (vph)	650	0	386	0	0	0	0	544	362	404	805	0

Intersection Summary

Lane Group	EBL	EBR	NBT	NBR	SBL	SBT
Lane Configurations						
Volume (vph)	572	340	473	315	785	388
Turn Type	Prot	Perm	NA	Free	Split	NA
Protected Phases	2		4		8	8
Permitted Phases		2		Free		
Detector Phase	2	2	4		8	8
Switch Phase						
Minimum Initial (s)	5.0	5.0	2.0		18.0	18.0
Minimum Split (s)	11.1	11.1	5.0		44.1	44.1
Total Split (s)	58.0	58.0	42.0		50.0	50.0
Total Split (%)	38.7%	38.7%	28.0%		33.3%	33.3%
Yellow Time (s)	4.1	4.1	3.0		4.1	4.1
All-Red Time (s)	2.0	2.0	0.0		2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	6.1	6.1	3.0		6.1	6.1
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	Max	Max	Max		Max	Max
Act Effct Green (s)	51.9	51.9	39.0	150.0	43.9	43.9
Actuated g/C Ratio	0.35	0.35	0.26	1.00	0.29	0.29
v/c Ratio	0.55	0.48	0.59	0.23	0.86	0.83
Control Delay	41.7	5.2	31.9	0.4	70.6	61.0
Queue Delay	0.0	0.0	3.0	0.0	0.0	0.0
Total Delay	41.7	5.2	34.9	0.4	70.6	61.0
LOS	D	A	C	A	E	E
Approach Delay			21.1			64.2
Approach LOS			C			E

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 150	
Offset: 57 (38%), Referenced to phase 2:EBL and 6:, Start of Green	
Natural Cycle: 80	
Control Type: Pretimed	
Maximum v/c Ratio: 0.86	
Intersection Signal Delay: 40.0	Intersection LOS: D
Intersection Capacity Utilization 72.8%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 58: Mission Center Road & I-8 EB Ramp



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	572	0	340	0	0	0	0	473	315	785	388	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	650	0	0				0	544	0	809	400	0
Adj No. of Lanes	2	0	1				0	2	1	2	1	0
Peak Hour Factor	0.88	0.88	0.88				0.87	0.87	0.87	0.97	0.97	0.97
Percent Heavy Veh, %	2	0	2				0	2	2	2	2	0
Cap, veh/h	1191	0	548				0	920	412	1038	545	0
Arrive On Green	0.35	0.00	0.00				0.00	0.09	0.00	0.10	0.10	0.00
Sat Flow, veh/h	3442	0	1583				0	3632	1583	3548	1863	0
Grp Volume(v), veh/h	650	0	0				0	544	0	809	400	0
Grp Sat Flow(s),veh/h/ln	1721	0	1583				0	1770	1583	1774	1863	0
Q Serve(g_s), s	22.8	0.0	0.0				0.0	22.2	0.0	33.4	31.3	0.0
Cycle Q Clear(g_c), s	22.8	0.0	0.0				0.0	22.2	0.0	33.4	31.3	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1191	0	548				0	920	412	1038	545	0
V/C Ratio(X)	0.55	0.00	0.00				0.00	0.59	0.00	0.78	0.73	0.00
Avail Cap(c_a), veh/h	1191	0	548				0	920	412	1038	545	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	0.33	0.33	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	39.5	0.0	0.0				0.0	60.9	0.0	63.0	62.1	0.0
Incr Delay (d2), s/veh	1.8	0.0	0.0				0.0	2.8	0.0	5.8	8.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.1	0.0	0.0				0.0	11.3	0.0	17.3	17.5	0.0
LnGrp Delay(d),s/veh	41.3	0.0	0.0				0.0	63.7	0.0	68.8	70.6	0.0
LnGrp LOS	D							E		E	E	
Approach Vol, veh/h		650						544			1209	
Approach Delay, s/veh		41.3						63.7			69.4	
Approach LOS		D						E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		58.0		42.0				50.0
Change Period (Y+Rc), s		6.1		3.0				6.1
Max Green Setting (Gmax), s		51.9		39.0				43.9
Max Q Clear Time (g_c+I1), s		24.8		24.2				35.4
Green Ext Time (p_c), s		1.3		1.1				2.3

Intersection Summary	
HCM 2010 Ctrl Delay	60.5
HCM 2010 LOS	E

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	280		0	0		220	0		0	0		0
Storage Lanes	1		0	0		1	0		1	1		1
Taper Length (ft)	25			0			0			0		
Lane Util. Factor	0.91	0.91	0.95	0.95	0.95	1.00	1.00	1.00	1.00	0.95	0.95	1.00
Ped Bike Factor								1.00	0.97			0.97
Frt		0.998				0.850			0.850			0.850
Flt Protected	0.950	0.961			0.997			0.995		0.950	0.958	
Satd. Flow (prot)	1610	3251	0	0	3529	1583	0	1853	1583	1681	1695	1583
Flt Permitted	0.950	0.961			0.997			0.995		0.950	0.958	
Satd. Flow (perm)	1610	3251	0	0	3529	1583	0	1851	1540	1681	1695	1537
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		1				67			111			313
Link Speed (mph)		35			35			40			40	
Link Distance (ft)		473			544			207			273	
Travel Time (s)		9.2			10.6			3.5			4.7	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	494	79	6	4	67	284	3	26	11	402	25	285
Confl. Peds. (#/hr)							10					10
Confl. Bikes (#/hr)									1			2
Peak Hour Factor	0.87	0.87	0.87	0.91	0.91	0.91	0.43	0.43	0.43	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	568	91	7	4	74	312	7	60	26	442	27	313
Shared Lane Traffic (%)	75%									47%		
Lane Group Flow (vph)	142	524	0	0	78	312	0	67	26	234	235	313

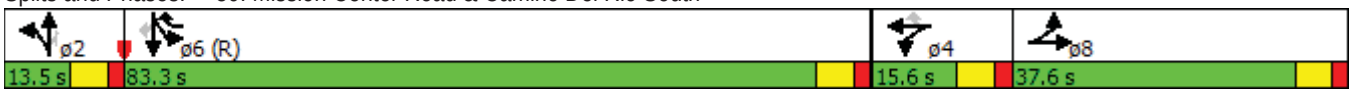
Intersection Summary



Lane Group	EBL	EBT	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Configurations									
Volume (vph)	494	79	67	284	26	11	402	25	285
Turn Type	Split	NA	NA	pm+ov	NA	Perm	Split	NA	Perm
Protected Phases	8	8	4	6	2		6	6	
Permitted Phases				4		2			6
Detector Phase	8	8	4	6	2	2	6	6	6
Switch Phase									
Minimum Initial (s)	10.0	10.0	9.5	5.0	2.0	2.0	5.0	5.0	5.0
Minimum Split (s)	16.1	16.1	15.6	33.1	8.1	8.1	33.1	33.1	33.1
Total Split (s)	37.6	37.6	15.6	83.3	13.5	13.5	83.3	83.3	83.3
Total Split (%)	25.1%	25.1%	10.4%	55.5%	9.0%	9.0%	55.5%	55.5%	55.5%
Yellow Time (s)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Lead/Lag									
Lead-Lag Optimize?									
Recall Mode	Max	Max	Max	Max	Max	Max	Max	Max	Max
Act Effct Green (s)	31.5	31.5	9.5	92.8	7.4	7.4	77.2	77.2	77.2
Actuated g/C Ratio	0.21	0.21	0.06	0.62	0.05	0.05	0.51	0.51	0.51
v/c Ratio	0.42	1.21dl	0.35	0.31	0.74	0.14	0.27	0.27	0.33
Control Delay	55.8	64.2	71.9	11.2	110.8	1.6	10.2	10.2	0.8
Queue Delay	0.5	1.1	0.0	0.0	0.0	0.0	2.2	2.1	1.2
Total Delay	56.3	65.2	71.9	11.2	110.8	1.6	12.3	12.3	2.0
LOS	E	E	E	B	F	A	B	B	A
Approach Delay		63.3	23.4		80.3			8.2	
Approach LOS		E	C		F			A	

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 150	
Offset: 15 (10%), Referenced to phase 6:SBTL, Start of Green	
Natural Cycle: 80	
Control Type: Pretimed	
Maximum v/c Ratio: 0.77	
Intersection Signal Delay: 33.7	Intersection LOS: C
Intersection Capacity Utilization 54.8%	ICU Level of Service A
Analysis Period (min) 15	
dl Defacto Left Lane. Recode with 1 though lane as a left lane.	

Splits and Phases: 59: Mission Center Road & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	494	79	6	4	67	284	3	26	11	402	25	285
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.92	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	568	91	7	4	74	312	7	60	26	461	0	313
Adj No. of Lanes	2	1	0	0	2	1	0	1	1	2	0	1
Peak Hour Factor	0.87	0.87	0.87	0.91	0.91	0.91	0.43	0.43	0.43	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	745	359	28	6	224	178	10	82	72	1826	0	790
Arrive On Green	0.21	0.21	0.21	0.06	0.06	0.06	0.05	0.05	0.05	0.51	0.00	0.51
Sat Flow, veh/h	3548	1708	131	95	3532	1583	194	1659	1464	3548	0	1534
Grp Volume(v), veh/h	568	0	98	78	0	312	67	0	26	461	0	313
Grp Sat Flow(s),veh/h/ln	1774	0	1840	1858	1770	1583	1853	0	1464	1774	0	1534
Q Serve(g_s), s	22.6	0.0	6.7	6.2	0.0	9.5	5.3	0.0	2.6	10.9	0.0	18.7
Cycle Q Clear(g_c), s	22.6	0.0	6.7	6.2	0.0	9.5	5.3	0.0	2.6	10.9	0.0	18.7
Prop In Lane	1.00		0.07	0.05		1.00	0.10		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	745	0	386	118	112	178	91	0	72	1826	0	790
V/C Ratio(X)	0.76	0.00	0.25	0.66	0.00	1.75	0.73	0.00	0.36	0.25	0.00	0.40
Avail Cap(c_a), veh/h	745	0	386	118	112	178	91	0	72	1826	0	790
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	55.7	0.0	49.4	68.7	0.0	63.3	70.3	0.0	69.0	20.3	0.0	22.2
Incr Delay (d2), s/veh	7.3	0.0	1.6	25.7	0.0	359.2	40.4	0.0	13.4	0.3	0.0	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.8	0.0	3.6	4.0	0.0	25.2	3.8	0.0	1.3	5.4	0.0	8.2
LnGrp Delay(d),s/veh	63.0	0.0	51.0	94.4	0.0	422.4	110.8	0.0	82.4	20.6	0.0	23.7
LnGrp LOS	E		D	F	A	F	F		F	C		C
Approach Vol, veh/h		666			390			93			774	
Approach Delay, s/veh		61.2			356.8			102.8			21.9	
Approach LOS		E			F			F			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Phs Duration (G+Y+Rc), s		13.5		15.6		83.3		37.6
Change Period (Y+Rc), s		6.1		6.1		6.1		6.1
Max Green Setting (Gmax), s		7.4		9.5		77.2		31.5
Max Q Clear Time (g_c+I1), s		7.3		11.5		20.7		24.6
Green Ext Time (p_c), s		0.0		0.0		1.4		2.9

Intersection Summary	
HCM 2010 Ctrl Delay	107.3
HCM 2010 LOS	F

Notes

User approved volume balancing among the lanes for turning movement.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	0		0	0		0	0		0
Storage Lanes	0		2	0		1	0		0	0		0
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	1.00	0.88	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Ped Bike Factor											0.99	
Frt			0.850			0.865		0.957			0.962	
Flt Protected												
Satd. Flow (prot)	0	0	2787	0	0	1611	0	3387	0	0	3372	0
Flt Permitted												
Satd. Flow (perm)	0	0	2787	0	0	1611	0	3387	0	0	3372	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			108			159		156			126	
Link Speed (mph)		30			30			45			45	
Link Distance (ft)		550			181			411			198	
Travel Time (s)		12.5			4.1			6.2			3.0	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	0	375	0	0	197	0	943	374	0	1369	471
Confl. Peds. (#/hr)							7					7
Confl. Bikes (#/hr)												5
Peak Hour Factor	0.82	0.92	0.82	0.92	0.92	0.76	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	0	457	0	0	259	0	1025	407	0	1488	512
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	457	0	0	259	0	1432	0	0	2000	0

Intersection Summary

Lane Group	EBR	WBR	NBT	SBT
Lane Configurations				
Volume (vph)	375	197	943	1369
Turn Type	Prot	Prot	NA	NA
Protected Phases	4	8	2	6
Permitted Phases				
Detector Phase	4	8	2	6
Switch Phase				
Minimum Initial (s)	4.0	4.0	15.0	15.0
Minimum Split (s)	8.0	20.0	21.1	26.1
Total Split (s)	22.0	22.0	68.0	68.0
Total Split (%)	24.4%	24.4%	75.6%	75.6%
Yellow Time (s)	3.5	3.5	4.1	4.1
All-Red Time (s)	0.5	0.5	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0	4.0	5.1	5.1
Lead/Lag				
Lead-Lag Optimize?				
Recall Mode	None	None	Min	Min
Act Effct Green (s)	14.3	14.3	48.7	48.7
Actuated g/C Ratio	0.20	0.20	0.67	0.67
v/c Ratio	0.72	0.58	0.62	0.87
Control Delay	29.7	18.5	7.1	13.9
Queue Delay	0.0	0.0	0.2	0.0
Total Delay	29.7	18.5	7.3	13.9
LOS	C	B	A	B
Approach Delay			7.3	13.9
Approach LOS			A	B

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 72.6	
Natural Cycle: 70	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.87	
Intersection Signal Delay: 13.7	Intersection LOS: B
Intersection Capacity Utilization 73.8%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 60: Qualcomm Way & I-8 EB Ramp



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	0	375	0	0	197	0	943	374	0	1369	471
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	0	1863	0	0	1863	0	1863	1900	0	1863	1900
Adj Flow Rate, veh/h	0	0	0	0	0	0	0	1025	0	0	1488	452
Adj No. of Lanes	0	0	2	0	0	1	0	2	0	0	2	0
Peak Hour Factor	0.82	0.92	0.82	0.92	0.92	0.76	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	0	2	0	0	2	0	2	2	0	2	2
Cap, veh/h	0	0	0	0	0	0	0	3092	0	0	2357	676
Arrive On Green	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.00	0.00	0.87	0.87
Sat Flow, veh/h		0			0		0	3725	0	0	2791	774
Grp Volume(v), veh/h		0.0			0.0		0	1025	0	0	946	994
Grp Sat Flow(s),veh/h/ln							0	1770	0	0	1770	1702
Q Serve(g_s), s							0.0	2.1	0.0	0.0	5.9	7.2
Cycle Q Clear(g_c), s							0.0	2.1	0.0	0.0	5.9	7.2
Prop In Lane							0.00		0.00	0.00		0.45
Lane Grp Cap(c), veh/h							0	3092	0	0	1546	1487
V/C Ratio(X)							0.00	0.33	0.00	0.00	0.61	0.67
Avail Cap(c_a), veh/h							0	5517	0	0	2758	2653
HCM Platoon Ratio							1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)							0.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh							0.0	0.5	0.0	0.0	0.7	0.8
Incr Delay (d2), s/veh							0.0	0.0	0.0	0.0	0.1	0.2
Initial Q Delay(d3),s/veh							0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln							0.0	0.9	0.0	0.0	2.4	2.8
LnGrp Delay(d),s/veh							0.0	0.5	0.0	0.0	0.8	1.0
LnGrp LOS								A			A	A
Approach Vol, veh/h								1025			1940	
Approach Delay, s/veh								0.5			0.9	
Approach LOS								A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2				6		
Phs Duration (G+Y+Rc), s		40.4				40.4		
Change Period (Y+Rc), s		5.1				5.1		
Max Green Setting (Gmax), s		62.9				62.9		
Max Q Clear Time (g_c+I1), s		4.1				9.2		
Green Ext Time (p_c), s		27.1				26.1		

Intersection Summary	
HCM 2010 Ctrl Delay	0.8
HCM 2010 LOS	A



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	80		35	60		60	100		0	0		160
Storage Lanes	1		1	1		1	1		0	1		1
Taper Length (ft)	25			25			25			0		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00
Ped Bike Factor	0.99		0.98	1.00		0.98	1.00	0.99		1.00		0.96
Frt			0.850			0.850		0.977				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	3438	0	1770	3539	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1751	1863	1557	1763	1863	1547	1766	3438	0	1762	3539	1526
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			140			307		14				90
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		536			618			1151			411	
Travel Time (s)		10.4			12.0			17.4			6.2	

Intersection Summary	
Area Type:	Other



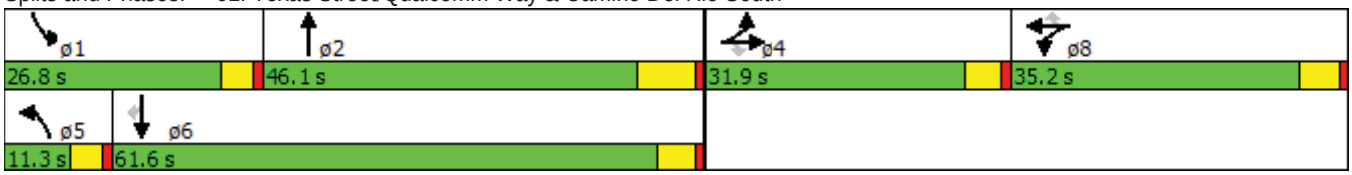
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	204	168	247	189	53	528	72	728	130	219	1166	147
Confl. Peds. (#/hr)	8		3	3		8	7		5	5		7
Confl. Bikes (#/hr)									2			
Peak Hour Factor	0.83	0.83	0.83	0.94	0.94	0.94	0.87	0.87	0.87	0.78	0.78	0.78
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	246	202	298	201	56	562	83	837	149	281	1495	188
Shared Lane Traffic (%)												
Lane Group Flow (vph)	246	202	298	201	56	562	83	986	0	281	1495	188

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Volume (vph)	204	168	247	189	53	528	72	728	219	1166	147
Turn Type	Split	NA	Perm	Split	NA	Perm	Prot	NA	Prot	NA	Perm
Protected Phases	4	4		8	8		5	2	1	6	
Permitted Phases			4			8					6
Detector Phase	4	4	4	8	8	8	5	2	1	6	6
Switch Phase											
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	4.0	10.0	10.0
Minimum Split (s)	31.9	31.9	31.9	35.2	35.2	35.2	8.4	29.0	8.4	34.9	34.9
Total Split (s)	31.9	31.9	31.9	35.2	35.2	35.2	11.3	46.1	26.8	61.6	61.6
Total Split (%)	22.8%	22.8%	22.8%	25.1%	25.1%	25.1%	8.1%	32.9%	19.1%	44.0%	44.0%
Yellow Time (s)	3.9	3.9	3.9	4.2	4.2	4.2	3.4	6.0	3.4	3.9	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	5.2	5.2	5.2	4.4	7.0	4.4	4.9	4.9
Lead/Lag							Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?							Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	None	Min	Min
Act Effct Green (s)	23.4	23.4	23.4	29.5	29.5	29.5	6.9	39.2	22.4	56.8	56.8
Actuated g/C Ratio	0.17	0.17	0.17	0.22	0.22	0.22	0.05	0.29	0.16	0.42	0.42
v/c Ratio	0.81	0.63	0.78	0.52	0.14	0.98	0.93	0.99	0.96	1.01	0.27
Control Delay	74.7	61.6	42.6	53.4	45.3	56.4	141.2	73.0	100.8	65.9	15.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1	0.0
Total Delay	74.7	61.6	42.6	53.4	45.3	56.4	141.2	73.0	100.8	100.1	15.0
LOS	E	E	D	D	D	E	F	E	F	F	B
Approach Delay		58.3			54.9			78.3		92.0	
Approach LOS		E			D			E		F	

Intersection Summary	
Cycle Length: 140	
Actuated Cycle Length: 136	
Natural Cycle: 145	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 1.01	
Intersection Signal Delay: 76.8	Intersection LOS: E
Intersection Capacity Utilization 83.4%	ICU Level of Service E
Analysis Period (min) 15	

Splits and Phases: 61: Texas Street/Qualcomm Way & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	204	168	247	189	53	528	72	728	130	219	1166	147
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	246	202	165	201	56	301	83	837	138	281	1495	124
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	1
Peak Hour Factor	0.83	0.83	0.83	0.94	0.94	0.94	0.87	0.87	0.87	0.78	0.78	0.78
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	293	308	258	369	387	325	90	918	151	293	1478	656
Arrive On Green	0.17	0.17	0.17	0.21	0.21	0.21	0.05	0.30	0.30	0.16	0.42	0.42
Sat Flow, veh/h	1774	1863	1560	1774	1863	1565	1774	3025	499	1774	3539	1570
Grp Volume(v), veh/h	246	202	165	201	56	301	83	490	485	281	1495	124
Grp Sat Flow(s),veh/h/ln	1774	1863	1560	1774	1863	1565	1774	1770	1754	1774	1770	1570
Q Serve(g_s), s	18.2	13.8	13.4	13.7	3.3	25.6	6.3	36.2	36.2	21.3	56.7	6.8
Cycle Q Clear(g_c), s	18.2	13.8	13.4	13.7	3.3	25.6	6.3	36.2	36.2	21.3	56.7	6.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.28	1.00		1.00
Lane Grp Cap(c), veh/h	293	308	258	369	387	325	90	537	532	293	1478	656
V/C Ratio(X)	0.84	0.66	0.64	0.54	0.14	0.92	0.92	0.91	0.91	0.96	1.01	0.19
Avail Cap(c_a), veh/h	353	370	310	392	411	346	90	537	532	293	1478	656
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	54.9	53.1	52.9	48.0	43.9	52.7	64.2	45.6	45.6	56.3	39.6	25.0
Incr Delay (d2), s/veh	14.0	3.1	3.2	0.6	0.1	28.2	68.1	21.1	21.2	41.5	26.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.1	7.4	6.0	6.8	1.7	13.6	4.8	20.8	20.7	13.8	32.9	3.0
LnGrp Delay(d),s/veh	68.9	56.2	56.1	48.6	44.0	81.0	132.3	66.6	66.8	97.8	65.9	25.2
LnGrp LOS	E	E	E	D	D	F	F	E	E	F	F	C
Approach Vol, veh/h		613			558			1058			1900	
Approach Delay, s/veh		61.3			65.6			71.8			67.9	
Approach LOS		E			E			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	26.8	48.2		27.4	11.3	63.7		33.4
Change Period (Y+Rc), s	4.4	7.0		4.9	4.4	* 7		5.2
Max Green Setting (Gmax), s	22.4	39.1		27.0	6.9	* 57		30.0
Max Q Clear Time (g_c+I1), s	23.3	38.2		20.2	8.3	58.7		27.6
Green Ext Time (p_c), s	0.0	0.9		1.5	0.0	0.0		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	67.6
HCM 2010 LOS	E

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)		0%	0%		0%	
Storage Length (ft)	160			230	75	0
Storage Lanes	1			1	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99			0.97	0.99	0.98
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1759	1863	1863	1535	1756	1550
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				112		95
Link Speed (mph)		35	45		25	
Link Distance (ft)		1857	2146		1067	
Travel Time (s)		36.2	32.5		29.1	

Intersection Summary	
Area Type:	Other



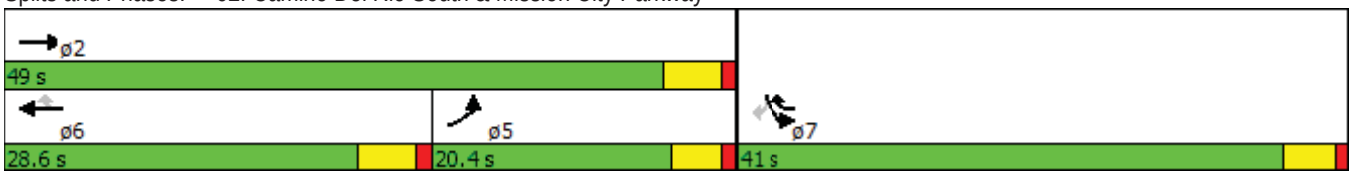
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	101	486	197	104	559	81
Confl. Peds. (#/hr)	4			4	5	
Confl. Bikes (#/hr)						1
Peak Hour Factor	0.78	0.78	0.93	0.93	0.85	0.85
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Adj. Flow (vph)	129	623	212	112	658	95
Shared Lane Traffic (%)						
Lane Group Flow (vph)	129	623	212	112	658	95

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (vph)	101	486	197	104	559	81
Turn Type	Prot	NA	NA	pm+ov	Prot	Perm
Protected Phases	5	2	6	7	7	
Permitted Phases				6		7
Detector Phase	5	2	6	7	7	7
Switch Phase						
Minimum Initial (s)	4.0	10.0	10.0	4.0	4.0	4.0
Minimum Split (s)	20.4	21.0	28.0	22.4	22.4	22.4
Total Split (s)	20.4	49.0	28.6	41.0	41.0	41.0
Total Split (%)	22.7%	54.4%	31.8%	45.6%	45.6%	45.6%
Yellow Time (s)	3.4	4.0	4.0	3.4	3.4	3.4
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.4	5.0	5.0	4.4	4.4	4.4
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None	Min	Min	None	None	None
Act Effct Green (s)	11.1	29.9	17.2	48.5	30.7	30.7
Actuated g/C Ratio	0.16	0.42	0.24	0.69	0.44	0.44
v/c Ratio	0.46	0.79	0.47	0.10	0.86	0.13
Control Delay	35.8	26.3	30.7	1.1	32.6	4.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	35.8	26.3	30.7	1.1	32.6	4.2
LOS	D	C	C	A	C	A
Approach Delay		27.9	20.4		29.0	
Approach LOS		C	C		C	

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 70.5	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.86	
Intersection Signal Delay: 27.1	Intersection LOS: C
Intersection Capacity Utilization 64.4%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 62: Camino Del Rio South & Mission City Parkway





Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Volume (veh/h)	101	486	197	104	559	81
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	129	623	212	0	658	0
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.78	0.78	0.93	0.93	0.85	0.85
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	254	788	352	942	720	643
Arrive On Green	0.14	0.42	0.19	0.00	0.41	0.00
Sat Flow, veh/h	1774	1863	1863	1583	1774	1583
Grp Volume(v), veh/h	129	623	212	0	658	0
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1583	1774	1583
Q Serve(g_s), s	3.7	15.9	5.7	0.0	19.3	0.0
Cycle Q Clear(g_c), s	3.7	15.9	5.7	0.0	19.3	0.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	254	788	352	942	720	643
V/C Ratio(X)	0.51	0.79	0.60	0.00	0.91	0.00
Avail Cap(c_a), veh/h	516	1490	799	1323	1181	1054
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	21.8	13.8	20.4	0.0	15.4	0.0
Incr Delay (d2), s/veh	0.6	2.1	1.9	0.0	4.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	8.6	3.1	0.0	10.2	0.0
LnGrp Delay(d),s/veh	22.4	15.9	22.3	0.0	19.8	0.0
LnGrp LOS	C	B	C		B	
Approach Vol, veh/h		752	212		658	
Approach Delay, s/veh		17.0	22.3		19.8	
Approach LOS		B	C		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		28.3		26.7	12.9	15.4		
Change Period (Y+Rc), s		5.0		4.4	5.0	* 5		
Max Green Setting (Gmax), s		44.0		36.6	16.0	* 24		
Max Q Clear Time (g_c+I1), s		17.9		21.3	5.7	7.7		
Green Ext Time (p_c), s		5.1		1.1	3.4	1.0		

Intersection Summary	
HCM 2010 Ctrl Delay	18.8
HCM 2010 LOS	B

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	80		0	0		0	0		0
Storage Lanes	0		0	1		0	0		0	1		1
Taper Length (ft)	0			25			0			0		
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor		1.00		1.00				0.96		0.99		0.96
Frt		0.998						0.916				0.850
Flt Protected				0.950				0.982		0.950		
Satd. Flow (prot)	0	3531	0	1770	1863	0	0	1641	0	1770	0	1583
Flt Permitted				0.950				0.982		0.950		
Satd. Flow (perm)	0	3531	0	1769	1863	0	0	1609	0	1759	0	1526
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		2						137				136
Link Speed (mph)		45			45			45			45	
Link Distance (ft)		1152			264			335			589	
Travel Time (s)		17.5			4.0			5.1			8.9	

Intersection Summary	
Area Type:	Other



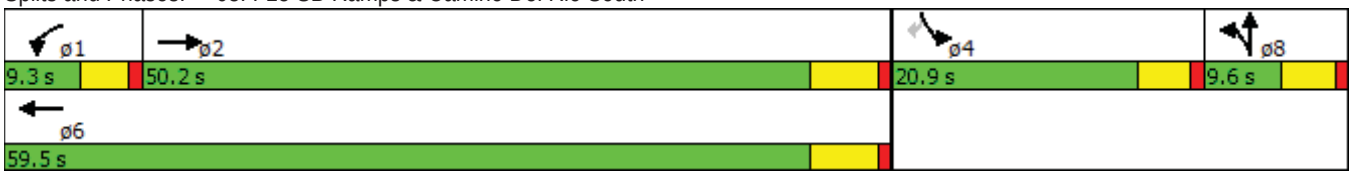
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	0	1517	17	27	144	0	20	0	34	180	0	85
Confl. Peds. (#/hr)	8		2	2		8	6		4	4		6
Confl. Bikes (#/hr)			1									
Peak Hour Factor	0.88	0.88	0.88	0.85	0.85	0.85	0.75	0.75	0.75	0.93	0.93	0.93
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	0	1724	19	32	169	0	27	0	45	194	0	91
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	1743	0	32	169	0	0	72	0	194	0	91

Intersection Summary

Lane Group	EBT	WBL	WBT	NBT	SBL	SBR
Lane Configurations						
Volume (vph)	1517	27	144	0	180	85
Turn Type	NA	Prot	NA	NA	Prot	Perm
Protected Phases	2	1	6	8	4	
Permitted Phases						4
Detector Phase	2	1	6	8	4	4
Switch Phase						
Minimum Initial (s)	20.0	5.0	11.0	5.0	5.0	5.0
Minimum Split (s)	27.5	9.2	21.5	9.5	20.6	20.6
Total Split (s)	50.2	9.3	59.5	9.6	20.9	20.9
Total Split (%)	55.8%	10.3%	66.1%	10.7%	23.2%	23.2%
Yellow Time (s)	4.5	3.2	4.5	3.5	3.6	3.6
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.5	4.2	5.5	4.5	4.6	4.6
Lead/Lag	Lag	Lead				
Lead-Lag Optimize?	Yes	Yes				
Recall Mode	Min	None	Min	None	None	None
Act Effct Green (s)	43.4	5.3	48.3	5.3	11.8	11.8
Actuated g/C Ratio	0.56	0.07	0.62	0.07	0.15	0.15
v/c Ratio	0.88	0.27	0.15	0.30	0.73	0.26
Control Delay	24.9	45.7	7.6	3.7	50.0	4.1
Queue Delay	0.0	0.0	0.4	0.0	0.0	0.0
Total Delay	24.9	45.7	7.9	3.7	50.0	4.1
LOS	C	D	A	A	D	A
Approach Delay	24.9		14.0	3.7		
Approach LOS	C		B	A		

Intersection Summary	
Cycle Length: 90	
Actuated Cycle Length: 77.7	
Natural Cycle: 90	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.88	
Intersection Signal Delay: 24.6	Intersection LOS: C
Intersection Capacity Utilization 67.0%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 63: I-15 SB Ramps & Camino Del Rio South



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	0	1517	17	27	144	0	20	0	34	180	0	85
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1900	1863	1863	0	1900	1863	1900	1863	0	1863
Adj Flow Rate, veh/h	0	1724	19	32	169	0	27	0	0	194	0	0
Adj No. of Lanes	0	2	0	1	1	0	0	1	0	1	0	1
Peak Hour Factor	0.88	0.88	0.88	0.85	0.85	0.85	0.75	0.75	0.75	0.93	0.93	0.93
Percent Heavy Veh, %	0	2	2	2	2	0	2	2	2	2	0	2
Cap, veh/h	0	2208	24	65	1390	0	56	0	0	0	0	0
Arrive On Green	0.00	0.62	0.62	0.04	0.75	0.00	0.03	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	0	3678	39	1774	1863	0	1774	0	0		0	
Grp Volume(v), veh/h	0	850	893	32	169	0	27	0	0		0.0	
Grp Sat Flow(s),veh/h/ln	0	1770	1855	1774	1863	0	1774	0	0			
Q Serve(g_s), s	0.0	16.0	16.1	0.8	1.1	0.0	0.7	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	16.0	16.1	0.8	1.1	0.0	0.7	0.0	0.0			
Prop In Lane	0.00		0.02	1.00		0.00	1.00		0.00			
Lane Grp Cap(c), veh/h	0	1090	1143	65	1390	0	56	0	0			
V/C Ratio(X)	0.00	0.78	0.78	0.49	0.12	0.00	0.48	0.00	0.00			
Avail Cap(c_a), veh/h	0	1758	1842	201	2235	0	201	0	0			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	6.4	6.4	21.3	1.6	0.0	21.4	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.5	0.5	2.1	0.0	0.0	2.3	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	7.7	8.1	0.4	0.6	0.0	0.4	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	6.9	6.9	23.4	1.6	0.0	23.7	0.0	0.0			
LnGrp LOS		A	A	C	A		C					
Approach Vol, veh/h		1743			201			27				
Approach Delay, s/veh		6.9			5.1			23.7				
Approach LOS		A			A			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	5.8	33.2				39.1		5.9
Change Period (Y+Rc), s	* 4.2	5.5				5.5		4.5
Max Green Setting (Gmax), s	* 5.1	44.7				54.0		5.1
Max Q Clear Time (g_c+I1), s	2.8	18.1				3.1		2.7
Green Ext Time (p_c), s	0.0	9.7				11.0		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	6.9
HCM 2010 LOS	A

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		0	350		0	0
Storage Lanes		0	1		0	0
Taper Length (ft)			25		0	
Lane Util. Factor	0.95	0.95	1.00	0.95	1.00	1.00
Ped Bike Factor						
Frt	0.955					
Flt Protected			0.950			
Satd. Flow (prot)	3380	0	1770	3539	0	0
Flt Permitted			0.950			
Satd. Flow (perm)	3380	0	1770	3539	0	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	325					
Link Speed (mph)	45			45	45	
Link Distance (ft)	264			1252	814	
Travel Time (s)	4.0			19.0	12.3	

Intersection Summary	
Area Type:	Other



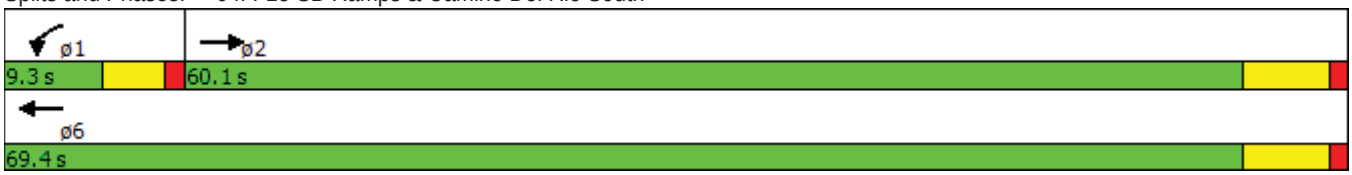
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	1222	526	30	162	0	0
Confl. Peds. (#/hr)						
Confl. Bikes (#/hr)						
Peak Hour Factor	0.88	0.88	0.91	0.91	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	1389	598	33	178	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1987	0	33	178	0	0

Intersection Summary

Lane Group	EBT	WBL	WBT
Lane Configurations			
Volume (vph)	1222	30	162
Turn Type	NA	Prot	NA
Protected Phases	2	1	6
Permitted Phases			
Detector Phase	2	1	6
Switch Phase			
Minimum Initial (s)	20.0	5.0	11.0
Minimum Split (s)	27.5	9.2	21.5
Total Split (s)	60.1	9.3	69.4
Total Split (%)	86.6%	13.4%	100.0%
Yellow Time (s)	4.5	3.2	4.5
All-Red Time (s)	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0
Total Lost Time (s)	5.5	4.2	5.5
Lead/Lag	Lag	Lead	
Lead-Lag Optimize?	Yes	Yes	
Recall Mode	Min	None	Min
Act Effct Green (s)	49.2	5.4	53.6
Actuated g/C Ratio	0.92	0.10	1.00
v/c Ratio	0.64	0.19	0.05
Control Delay	2.7	31.4	0.0
Queue Delay	0.1	0.0	0.0
Total Delay	2.8	31.4	0.0
LOS	A	C	A
Approach Delay	2.8		4.9
Approach LOS	A		A

Intersection Summary	
Cycle Length: 69.4	
Actuated Cycle Length: 53.6	
Natural Cycle: 55	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.64	
Intersection Signal Delay: 3.0	Intersection LOS: A
Intersection Capacity Utilization 62.9%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 64: I-15 SB Ramps & Camino Del Rio South



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Volume (veh/h)	1222	526	30	162	0	0
Number	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863		
Adj Flow Rate, veh/h	1389	0	33	178		
Adj No. of Lanes	2	0	1	2		
Peak Hour Factor	0.88	0.88	0.91	0.91		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	2288	0	71	2910		
Arrive On Green	0.65	0.00	0.04	0.82		
Sat Flow, veh/h	3725	0	1774	3632		
Grp Volume(v), veh/h	1389	0	33	178		
Grp Sat Flow(s),veh/h/ln	1770	0	1774	1770		
Q Serve(g_s), s	7.1	0.0	0.6	0.3		
Cycle Q Clear(g_c), s	7.1	0.0	0.6	0.3		
Prop In Lane		0.00	1.00			
Lane Grp Cap(c), veh/h	2288	0	71	2910		
V/C Ratio(X)	0.61	0.00	0.47	0.06		
Avail Cap(c_a), veh/h	6247	0	292	7311		
HCM Platoon Ratio	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	0.00	1.00	1.00		
Uniform Delay (d), s/veh	3.2	0.0	14.5	0.5		
Incr Delay (d2), s/veh	0.1	0.0	1.8	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	3.3	0.0	0.3	0.1		
LnGrp Delay(d),s/veh	3.3	0.0	16.3	0.5		
LnGrp LOS	A		B	A		
Approach Vol, veh/h	1389			211		
Approach Delay, s/veh	3.3			3.0		
Approach LOS	A			A		

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		
Phs Duration (G+Y+Rc), s	5.4	25.5				30.9		
Change Period (Y+Rc), s	* 4.2	5.5				5.5		
Max Green Setting (Gmax), s	* 5.1	54.6				63.9		
Max Q Clear Time (g_c+I1), s	2.6	9.1				2.3		
Green Ext Time (p_c), s	0.0	8.9				9.0		

Intersection Summary	
HCM 2010 Ctrl Delay	3.2
HCM 2010 LOS	A

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	115		0	0		180	190		0	0		0
Storage Lanes	1		0	0		1	1		0	0		0
Taper Length (ft)	25			0			25			0		
Lane Util. Factor	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor												
Frt						0.850		0.852				
Flt Protected	0.950						0.950					
Satd. Flow (prot)	1770	3539	0	0	1863	1583	1770	1587	0	0	0	0
Flt Permitted	0.950						0.950					
Satd. Flow (perm)	1770	3539	0	0	1863	1583	1770	1587	0	0	0	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)						113		111				
Link Speed (mph)		45			40			45			45	
Link Distance (ft)		1252			1666			833			375	
Travel Time (s)		19.0			28.4			12.6			5.7	

Intersection Summary	
Area Type:	Other



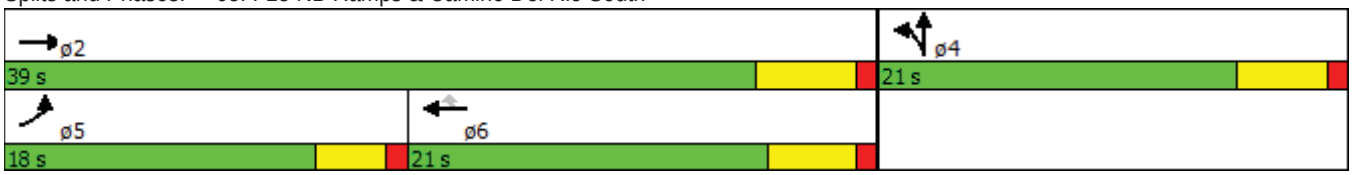
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	359	868	0	0	90	37	110	2	110	0	0	0
Confl. Peds. (#/hr)												
Confl. Bikes (#/hr)			4									
Peak Hour Factor	0.90	0.90	0.90	0.79	0.79	0.79	0.84	0.84	0.84	0.25	0.25	0.25
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	399	964	0	0	114	47	131	2	131	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	399	964	0	0	114	47	131	133	0	0	0	0

Intersection Summary

Lane Group	EBL	EBT	WBT	WBR	NBL	NBT
Lane Configurations						
Volume (vph)	359	868	90	37	110	2
Turn Type	Prot	NA	NA	Perm	Split	NA
Protected Phases	5	2	6		4	4
Permitted Phases				6		
Detector Phase	5	2	6	6	4	4
Switch Phase						
Minimum Initial (s)	5.0	12.0	14.0	14.0	5.0	5.0
Minimum Split (s)	9.2	27.5	21.0	21.0	21.0	21.0
Total Split (s)	18.0	39.0	21.0	21.0	21.0	21.0
Total Split (%)	30.0%	65.0%	35.0%	35.0%	35.0%	35.0%
Yellow Time (s)	3.2	4.5	4.0	4.0	4.0	4.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.2	5.5	5.0	5.0	5.0	5.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Recall Mode	None	Min	Min	Min	None	None
Act Effct Green (s)	13.9	33.4	14.3	14.3	8.0	8.0
Actuated g/C Ratio	0.29	0.70	0.30	0.30	0.17	0.17
v/c Ratio	0.78	0.39	0.21	0.09	0.44	0.37
Control Delay	31.9	5.3	16.0	0.6	23.9	9.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.9	5.3	16.0	0.6	23.9	9.6
LOS	C	A	B	A	C	A
Approach Delay		13.1	11.5			16.7
Approach LOS		B	B			B

Intersection Summary	
Cycle Length: 60	
Actuated Cycle Length: 48	
Natural Cycle: 60	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.78	
Intersection Signal Delay: 13.5	Intersection LOS: B
Intersection Capacity Utilization 62.9%	ICU Level of Service B
Analysis Period (min) 15	

Splits and Phases: 65: I-15 NB Ramps & Camino Del Rio South



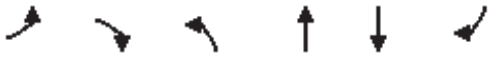
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	359	868	0	0	90	37	110	2	110	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	1863	1863	1900			
Adj Flow Rate, veh/h	399	964	0	0	114	0	131	2	36			
Adj No. of Lanes	1	2	0	0	1	1	1	1	0			
Peak Hour Factor	0.90	0.90	0.90	0.79	0.79	0.79	0.84	0.84	0.84			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	459	2343	0	0	578	491	187	9	159			
Arrive On Green	0.26	0.66	0.00	0.00	0.31	0.00	0.11	0.11	0.11			
Sat Flow, veh/h	1774	3632	0	0	1863	1583	1774	84	1512			
Grp Volume(v), veh/h	399	964	0	0	114	0	131	0	38			
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1863	1583	1774	0	1596			
Q Serve(g_s), s	9.7	5.7	0.0	0.0	2.0	0.0	3.2	0.0	1.0			
Cycle Q Clear(g_c), s	9.7	5.7	0.0	0.0	2.0	0.0	3.2	0.0	1.0			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		0.95			
Lane Grp Cap(c), veh/h	459	2343	0	0	578	491	187	0	168			
V/C Ratio(X)	0.87	0.41	0.00	0.00	0.20	0.00	0.70	0.00	0.23			
Avail Cap(c_a), veh/h	542	2626	0	0	660	561	629	0	566			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	16.0	3.5	0.0	0.0	11.4	0.0	19.5	0.0	18.5			
Incr Delay (d2), s/veh	11.2	0.0	0.0	0.0	0.1	0.0	1.8	0.0	0.2			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	6.1	2.7	0.0	0.0	1.1	0.0	1.7	0.0	0.4			
LnGrp Delay(d),s/veh	27.2	3.6	0.0	0.0	11.5	0.0	21.3	0.0	18.8			
LnGrp LOS	C	A			B		C		B			
Approach Vol, veh/h		1363			114			169				
Approach Delay, s/veh		10.5			11.5			20.7				
Approach LOS		B			B			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		35.4		9.8	15.9	19.5		
Change Period (Y+Rc), s		5.5		5.0	* 4.2	* 5.5		
Max Green Setting (Gmax), s		33.5		16.0	* 14	* 16		
Max Q Clear Time (g_c+I1), s		7.7		5.2	11.7	4.0		
Green Ext Time (p_c), s		4.7		0.2	0.1	3.7		

Intersection Summary	
HCM 2010 Ctrl Delay	11.6
HCM 2010 LOS	B

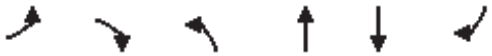
Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)	0	0	180			0
Storage Lanes	2	3	1			0
Taper Length (ft)	0		25			
Lane Util. Factor	0.97	0.76	1.00	0.95	0.91	0.91
Ped Bike Factor			1.00		0.99	
Frt		0.850			0.952	
Flt Protected	0.950		0.950			
Satd. Flow (prot)	3433	3610	1770	3539	4791	0
Flt Permitted	0.950		0.950			
Satd. Flow (perm)	3433	3610	1768	3539	4791	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		1199			112	
Link Speed (mph)	45			50	45	
Link Distance (ft)	797			948	780	
Travel Time (s)	12.1			12.9	11.8	

Intersection Summary	
Area Type:	Other



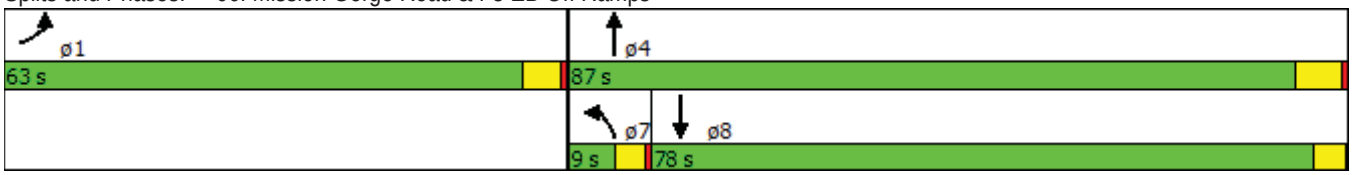
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Volume (vph)	840	2017	14	558	1254	593
Confl. Peds. (#/hr)			2			2
Confl. Bikes (#/hr)						4
Peak Hour Factor	0.97	0.97	0.93	0.93	0.98	0.98
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)	0%			0%	0%	
Adj. Flow (vph)	866	2079	15	600	1280	605
Shared Lane Traffic (%)						
Lane Group Flow (vph)	866	2079	15	600	1885	0

Intersection Summary

Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Volume (vph)	840	2017	14	558	1254
Turn Type	Prot	Free	Prot	NA	NA
Protected Phases	1		7	4	8
Permitted Phases		Free			
Detector Phase	1		7	4	8
Switch Phase					
Minimum Initial (s)	5.0		4.0	12.0	4.0
Minimum Split (s)	21.1		8.0	22.0	20.0
Total Split (s)	63.0		9.0	87.0	78.0
Total Split (%)	42.0%		6.0%	58.0%	52.0%
Yellow Time (s)	4.1		3.5	5.0	3.5
All-Red Time (s)	1.0		0.5	1.0	0.5
Lost Time Adjust (s)	0.0		0.0	0.0	0.0
Total Lost Time (s)	5.1		4.0	6.0	4.0
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None		None	None	Min
Act Effct Green (s)	32.7	97.5	5.4	52.7	52.2
Actuated g/C Ratio	0.34	1.00	0.06	0.54	0.54
v/c Ratio	0.75	0.58	0.15	0.31	0.72
Control Delay	35.5	0.7	60.9	12.9	18.9
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	35.5	0.7	60.9	12.9	18.9
LOS	D	A	E	B	B
Approach Delay	10.9			14.1	18.9
Approach LOS	B			B	B

Intersection Summary	
Cycle Length: 150	
Actuated Cycle Length: 97.5	
Natural Cycle: 60	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.75	
Intersection Signal Delay: 14.0	Intersection LOS: B
Intersection Capacity Utilization 69.1%	ICU Level of Service C
Analysis Period (min) 15	

Splits and Phases: 66: Mission Gorge Road & I-8 EB Off Ramps



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Volume (veh/h)	840	2017	14	558	1254	593
Number	1	16	7	4	8	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	866	842	15	600	1280	549
Adj No. of Lanes	2	3	1	2	3	0
Peak Hour Factor	0.97	0.97	0.93	0.93	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1024	1074	24	2094	1869	793
Arrive On Green	0.30	0.30	0.01	0.59	0.54	0.54
Sat Flow, veh/h	3442	3610	1774	3632	3642	1475
Grp Volume(v), veh/h	866	842	15	600	1249	580
Grp Sat Flow(s),veh/h/ln	1721	1203	1774	1770	1695	1559
Q Serve(g_s), s	23.6	21.4	0.8	8.3	27.0	27.4
Cycle Q Clear(g_c), s	23.6	21.4	0.8	8.3	27.0	27.4
Prop In Lane	1.00	1.00	1.00			0.95
Lane Grp Cap(c), veh/h	1024	1074	24	2094	1824	839
V/C Ratio(X)	0.85	0.78	0.62	0.29	0.68	0.69
Avail Cap(c_a), veh/h	1992	2089	89	2866	2508	1153
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.0	32.2	49.1	10.0	16.9	17.0
Incr Delay (d2), s/veh	0.8	0.5	23.1	0.0	0.5	1.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.3	0.0	0.6	4.1	12.6	12.0
LnGrp Delay(d),s/veh	33.8	32.7	72.2	10.1	17.4	18.1
LnGrp LOS	C	C	E	B	B	B
Approach Vol, veh/h	1708			615	1829	
Approach Delay, s/veh	33.2			11.6	17.6	
Approach LOS	C			B	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6	7	8
Phs Duration (G+Y+Rc), s				65.2		34.9	5.4	59.8
Change Period (Y+Rc), s				6.0		5.1	4.0	* 6
Max Green Setting (Gmax), s				81.0		57.9	5.0	* 74
Max Q Clear Time (g_c+I1), s				10.3		25.6	2.8	29.4
Green Ext Time (p_c), s				29.7		4.1	0.0	24.4

Intersection Summary	
HCM 2010 Ctrl Delay	23.1
HCM 2010 LOS	C

Notes

* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	0		0	110		110	85		0	190		0
Storage Lanes	1		1	1		1	1		1	1		0
Taper Length (ft)	0			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95
Ped Bike Factor	0.97		0.97	0.99		0.96	1.00		0.96	0.99	1.00	
Frt			0.850			0.850			0.850		0.988	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1770	1863	1583	1770	1863	1583	1770	1863	1583	1770	3487	0
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1725	1863	1538	1752	1863	1513	1767	1863	1513	1752	3487	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			136			273			136		10	
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		1000			781			1255			1135	
Travel Time (s)		19.5			15.2			19.0			17.2	

Intersection Summary	
Area Type:	Other



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	171	70	39	28	55	229	65	514	44	162	1441	125
Confl. Peds. (#/hr)	14		6	6		14	4		7	7		4
Confl. Bikes (#/hr)			4			4			3			4
Peak Hour Factor	0.91	0.91	0.91	0.84	0.84	0.84	0.91	0.91	0.91	0.91	0.91	0.91
Growth Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0	0	0	0	0	0	0
Parking (#/hr)												
Mid-Block Traffic (%)		0%			0%			0%			0%	
Adj. Flow (vph)	188	77	43	33	65	273	71	565	48	178	1584	137
Shared Lane Traffic (%)												
Lane Group Flow (vph)	188	77	43	33	65	273	71	565	48	178	1721	0

Intersection Summary

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations											
Volume (vph)	171	70	39	28	55	229	65	514	44	162	1441
Turn Type	Split	NA	Perm	Split	NA	Perm	Prot	NA	Perm	Prot	NA
Protected Phases	4	4		8	8		5	2		1	6
Permitted Phases			4			8			2		
Detector Phase	4	4	4	8	8	8	5	2	2	1	6
Switch Phase											
Minimum Initial (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	10.0	4.0	10.0
Minimum Split (s)	24.9	24.9	24.9	23.9	23.9	23.9	8.4	24.9	24.9	8.4	23.9
Total Split (s)	25.2	25.2	25.2	24.0	24.0	24.0	10.6	54.6	54.6	21.2	65.2
Total Split (%)	20.2%	20.2%	20.2%	19.2%	19.2%	19.2%	8.5%	43.7%	43.7%	17.0%	52.2%
Yellow Time (s)	3.9	3.9	3.9	3.9	3.9	3.9	3.4	3.9	3.9	3.4	3.9
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.4	4.9	4.9	4.4	4.9
Lead/Lag							Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?							Yes	Yes	Yes	Yes	Yes
Recall Mode	None	None	None	None	None	None	None	Min	Min	None	Min
Act Effct Green (s)	15.4	15.4	15.4	8.9	8.9	8.9	6.2	52.4	52.4	14.4	60.6
Actuated g/C Ratio	0.14	0.14	0.14	0.08	0.08	0.08	0.06	0.48	0.48	0.13	0.55
v/c Ratio	0.76	0.30	0.13	0.23	0.44	0.73	0.72	0.64	0.06	0.77	0.90
Control Delay	65.9	46.0	0.8	52.1	58.1	18.2	89.5	28.2	0.1	69.3	30.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.9	46.0	0.8	52.1	58.1	18.2	89.5	28.2	0.1	69.3	30.7
LOS	E	D	A	D	E	B	F	C	A	E	C
Approach Delay		51.9			28.2			32.6			34.3
Approach LOS		D			C			C			C

Intersection Summary	
Cycle Length: 125	
Actuated Cycle Length: 110.3	
Natural Cycle: 125	
Control Type: Actuated-Uncoordinated	
Maximum v/c Ratio: 0.90	
Intersection Signal Delay: 34.9	Intersection LOS: C
Intersection Capacity Utilization 75.5%	ICU Level of Service D
Analysis Period (min) 15	

Splits and Phases: 67: Texas Street & Madison Avenue





Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	171	70	39	28	55	229	65	514	44	162	1441	125
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	188	77	0	33	65	0	71	565	0	178	1584	132
Adj No. of Lanes	1	1	1	1	1	1	1	1	1	1	2	0
Peak Hour Factor	0.91	0.91	0.91	0.84	0.84	0.84	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	243	255	217	134	140	119	91	910	773	209	1832	151
Arrive On Green	0.14	0.14	0.00	0.08	0.08	0.00	0.05	0.49	0.00	0.12	0.55	0.55
Sat Flow, veh/h	1774	1863	1583	1774	1863	1583	1774	1863	1583	1774	3302	273
Grp Volume(v), veh/h	188	77	0	33	65	0	71	565	0	178	842	874
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1774	1863	1583	1774	1863	1583	1774	1770	1805
Q Serve(g_s), s	10.7	3.9	0.0	1.8	3.5	0.0	4.2	23.4	0.0	10.3	42.4	43.9
Cycle Q Clear(g_c), s	10.7	3.9	0.0	1.8	3.5	0.0	4.2	23.4	0.0	10.3	42.4	43.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.15
Lane Grp Cap(c), veh/h	243	255	217	134	140	119	91	910	773	209	982	1001
V/C Ratio(X)	0.78	0.30	0.00	0.25	0.46	0.00	0.78	0.62	0.00	0.85	0.86	0.87
Avail Cap(c_a), veh/h	343	360	306	323	339	288	105	910	773	284	1017	1037
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.7	40.8	0.0	45.7	46.5	0.0	49.2	19.7	0.0	45.4	19.8	20.2
Incr Delay (d2), s/veh	4.1	0.2	0.0	0.4	0.9	0.0	23.3	1.5	0.0	13.1	7.5	8.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.6	2.0	0.0	0.9	1.8	0.0	2.6	12.3	0.0	5.8	22.6	24.0
LnGrp Delay(d),s/veh	47.9	41.0	0.0	46.1	47.4	0.0	72.5	21.2	0.0	58.5	27.3	28.6
LnGrp LOS	D	D		D	D		E	C		E	C	C
Approach Vol, veh/h		265			98			636			1894	
Approach Delay, s/veh		45.9			46.9			27.0			30.8	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.7	56.2		19.3	9.8	63.1		12.8
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	16.8	49.7		20.3	6.2	60.3		19.1
Max Q Clear Time (g_c+I1), s	12.3	25.4		12.7	6.2	45.9		5.5
Green Ext Time (p_c), s	0.1	20.3		0.3	0.0	12.3		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	31.9
HCM 2010 LOS	C

Appendix E
HCS Analysis Worksheets
Adopted Community Plan (No Project)

AM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2851*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*63648*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2851*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1508*	pc/h/ln
S	*68.9*	mph
D = v_p / S	*21.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information			Site Information	
Analyst	*Chen Ryan Associates*		Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*		From/To	*Sports Arena Boulevard to I-5*
Date Performed	*2018*		Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*		Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4381*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*99578*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4381*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1545*	pc/h/ln
S	*68.6*	mph
D = v_p / S	*22.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6177*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*135453*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6177*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2200*	pc/h/ln
S	*58.4*	mph
D = v_p / S	*37.7*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Morena Boulevard to Taylor St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7685*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*168535*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7685*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2053*	pc/h/ln
S	*61.6*	mph
D = v_p / S	*33.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Taylor Street to Hotel Circle*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7913*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173535*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7913*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2114*	pc/h/ln
S	*60.3*	mph
D = v_p / S	*35.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7993*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*175295*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7993*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1708*	pc/h/ln
S	*63.7*	mph
D = v_p / S	*26.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*SR-163 to Mission Center Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7124*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*156237*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7124*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1903*	pc/h/ln
S	*64.3*	mph
D = v_p / S	*29.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mission Cntr Rd to Q Way/TX St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8882*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*194782*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8882*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2372*	pc/h/ln
S	*51.6*	mph
D = v_p / S	*46.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Qualcomm Way/TX St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6355*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*139366*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6355*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1697*	pc/h/ln
S	*63.7*	mph
D = v_p / S	*26.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9514*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208641*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9514*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2033*	pc/h/ln
S	*62.0*	mph
D = v_p / S	*32.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8187*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173460*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*8187*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2198*	pc/h/ln
S	*58.4*	mph
D = v_p / S	*37.6*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10843*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*250996*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*10843*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2317*	pc/h/ln
S	*55.5*	mph
D = v_p / S	*41.7*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11291*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*261367*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*11291*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3031*	pc/h/ln
S	*31.1*	mph
D = v_p / S	*97.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Genesee Avenue to Friars Road*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*12078*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*235438*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*12078*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2594*	pc/h/ln
S	*47.5*	mph
D = v_p / S	*54.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Friars Road to I-8 Interchange*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8198*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*200928*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8198*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2934*	pc/h/ln
S	*35.1*	mph
D = v_p / S	*83.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8215*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*201360*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8215*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.81*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2926*	pc/h/ln
S	*35.4*	mph
D = v_p / S	*82.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6907*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*169288*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6907*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.72*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.5*	mph
FFS	*67.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2460*	pc/h/ln
S	*51.6*	mph
D = v_p / S	*47.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Mesa Col Dr to Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*15777*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*281735*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*15777*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3438*	pc/h/ln
S	*11.9*	mph
D = v_p / S	*288.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*12298*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*273289*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*12298*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2680*	pc/h/ln
S	*44.6*	mph
D = v_p / S	*60.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*12021*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*267140*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*12021*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3274*	pc/h/ln
S	*20.1*	mph
D = v_p / S	*162.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10746*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*238805*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*10746*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2927*	pc/h/ln
S	*35.4*	mph
D = v_p / S	*82.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13100*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*272913*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*13100*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3534*	pc/h/ln
S	*6.8*	mph
D = v_p / S	*519.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10819*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*265163*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10819*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2300*	pc/h/ln
S	*56.0*	mph
D = v_p / S	*41.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9343*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228997*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9343*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2483*	pc/h/ln
S	*50.9*	mph
D = v_p / S	*48.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8907*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*218320*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8907*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2367*	pc/h/ln
S	*54.2*	mph
D = v_p / S	*43.7*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sunset Cliffs to Sports Arena*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3121*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*79606*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*3121*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1651*	pc/h/ln
S	*67.6*	mph
D = v_p / S	*24.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4641*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*120533*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4641*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1637*	pc/h/ln
S	*67.8*	mph
D = v_p / S	*24.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-5 Interchange to Morena Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7155*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*179335*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7155*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1911*	pc/h/ln
S	*64.1*	mph
D = v_p / S	*29.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8903*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*223134*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8903*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1902*	pc/h/ln
S	*64.3*	mph
D = v_p / S	*29.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9167*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*229754*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9167*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2449*	pc/h/ln
S	*51.9*	mph
D = v_p / S	*47.2*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9260*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*232084*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9260*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1979*	pc/h/ln
S	*60.2*	mph
D = v_p / S	*32.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*SR-163 to Mission Center Rd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8253*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*206851*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8253*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2204*	pc/h/ln
S	*55.8*	mph
D = v_p / S	*39.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mission Cntr Rd to Q Way/TX St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10290*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257883*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10290*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2749*	pc/h/ln
S	*39.2*	mph
D = v_p / S	*70.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Qualcomm Way/TX St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7362*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*184515*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7362*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1966*	pc/h/ln
S	*60.5*	mph
D = v_p / S	*32.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11022*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*276232*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11022*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2355*	pc/h/ln
S	*54.5*	mph
D = v_p / S	*43.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10412*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*252105*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*10412*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2236*	pc/h/ln
S	*57.5*	mph
D = v_p / S	*38.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8082*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*213811*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*8082*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1727*	pc/h/ln
S	*66.8*	mph
D = v_p / S	*25.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8416*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*222646*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*8416*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1807*	pc/h/ln
S	*65.7*	mph
D = v_p / S	*27.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Genesee Avenue to Friars Road*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8089*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*177394*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8089*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2171*	pc/h/ln
S	*59.1*	mph
D = v_p / S	*36.8*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8498*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208294*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8498*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1825*	pc/h/ln
S	*65.5*	mph
D = v_p / S	*27.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to 6th Avenue*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8517*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208742*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8517*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.48*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.9*	mph
FFS	*68.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2275*	pc/h/ln
S	*56.6*	mph
D = v_p / S	*40.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*6th Avenue to Washington St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7160*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*175494*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7160*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.36*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3825*	pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mesa Col Dr to Murray Ridge Rd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6781*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*121089*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*6781*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1478*	pc/h/ln
S	*69.1*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5583*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*93050*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*5583*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1217*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*17.4*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5457*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*90957*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*5457*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*991*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*14.2*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4879*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*81309*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4879*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1063*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*15.2*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8560*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*178332*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*8560*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1847*	pc/h/ln
S	*65.1*	mph
D = v_p / S	*28.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 10-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Friars Road to I-8 Interchange*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11474*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*281227*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*11474*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2440*	pc/h/ln
S	*49.7*	mph
D = v_p / S	*49.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9909*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242870*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9909*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2107*	pc/h/ln
S	*60.5*	mph
D = v_p / S	*34.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9447*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*231546*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9447*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2009*	pc/h/ln
S	*62.4*	mph
D = v_p / S	*32.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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PM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sunset Cliffs to Sports Arena*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3566*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*79606*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*3566*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1886*	pc/h/ln
S	*64.5*	mph
D = v_p / S	*29.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sports Arena Boulevard to I-5*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5303*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*120533*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*5303*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1870*	pc/h/ln
S	*64.8*	mph
D = v_p / S	*28.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8178*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*179335*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8178*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2913*	pc/h/ln
S	*36.0*	mph
D = v_p / S	*81.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10175*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*223134*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10175*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2718*	pc/h/ln
S	*43.3*	mph
D = v_p / S	*62.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10477*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*229754*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10477*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2798*	pc/h/ln
S	*40.4*	mph
D = v_p / S	*69.3*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10583*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*232084*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10583*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2261*	pc/h/ln
S	*54.5*	mph
D = v_p / S	*41.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*SR-163 to Mission Center Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9432*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*206851*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9432*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2519*	pc/h/ln
S	*49.8*	mph
D = v_p / S	*50.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mission Cntr Rd to Q Way/TX St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11759*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257883*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11759*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3141*	pc/h/ln
S	*22.0*	mph
D = v_p / S	*142.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Qualcomm Way/Texas St to I-805*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8414*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*184515*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8414*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2247*	pc/h/ln
S	*54.8*	mph
D = v_p / S	*41.0*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*12596*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*276232*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*12596*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2692*	pc/h/ln
S	*44.2*	mph
D = v_p / S	*60.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11899*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*252105*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*11899*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3194*	pc/h/ln
S	*23.9*	mph
D = v_p / S	*133.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9237*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*213811*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9237*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1974*	pc/h/ln
S	*63.1*	mph
D = v_p / S	*31.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9618*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*222646*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9618*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2582*	pc/h/ln
S	*47.8*	mph
D = v_p / S	*54.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Genesee Avenue to Friars Road*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9100*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*177394*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9100*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1954*	pc/h/ln
S	*63.4*	mph
D = v_p / S	*30.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Friars Road to I-8 Interchange*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8498*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208294*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8498*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3041*	pc/h/ln
S	*30.7*	mph
D = v_p / S	*99.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to 6th Avenue*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8517*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208742*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8517*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.60*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3033*	pc/h/ln
S	*31.0*	mph
D = v_p / S	*97.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7160*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*175494*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7160*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.40*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2550*	pc/h/ln
S	*48.9*	mph
D = v_p / S	*52.2*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6781*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*121089*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*6781*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1478*	pc/h/ln
S	*69.1*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4187*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*93050*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4187*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*912*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*13.0*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4093*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*90957*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4093*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1115*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*15.9*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3659*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*81309*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3659*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*997*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*14.2*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8560*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*178332*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*8560*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2309*	pc/h/ln
S	*55.7*	mph
D = v_p / S	*41.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11135*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*272913*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*11135*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2368*	pc/h/ln
S	*54.2*	mph
D = v_p / S	*43.7*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9909*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242870*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9909*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2634*	pc/h/ln
S	*46.1*	mph
D = v_p / S	*57.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9447*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*231546*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9447*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2511*	pc/h/ln
S	*50.1*	mph
D = v_p / S	*50.2*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2495*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*63648*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2495*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1320*	pc/h/ln
S	*69.8*	mph
D = v_p / S	*18.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3834*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*99578*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*3834*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1352*	pc/h/ln
S	*69.7*	mph
D = v_p / S	*19.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5405*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*135453*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5405*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1444*	pc/h/ln
S	*69.3*	mph
D = v_p / S	*20.8*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Morena Boulevard to Taylor St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6725*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*168535*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6725*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1437*	pc/h/ln
S	*69.3*	mph
D = v_p / S	*20.7*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information			Site Information	
Analyst	*Chen Ryan Associates*		Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*		From/To	*Taylor Street to Hotel Circle*
Date Performed	*2018*		Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*		Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6924*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173535*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6924*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1849*	pc/h/ln
S	*65.1*	mph
D = v_p / S	*28.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6994*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*175295*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6994*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1495*	pc/h/ln
S	*64.9*	mph
D = v_p / S	*23.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*SR-163 to Mission Center Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6234*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*156237*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6234*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1665*	pc/h/ln
S	*64.0*	mph
D = v_p / S	*26.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mission Cntr Rd to Q Way/TX St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7772*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*194782*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7772*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2076*	pc/h/ln
S	*58.5*	mph
D = v_p / S	*35.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Qualcomm Way/Texas St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5561*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*139366*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5561*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1485*	pc/h/ln
S	*64.9*	mph
D = v_p / S	*22.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8325*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208641*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8325*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1779*	pc/h/ln
S	*66.1*	mph
D = v_p / S	*26.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7164*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173460*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*7164*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1538*	pc/h/ln
S	*68.7*	mph
D = v_p / S	*22.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9488*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*250996*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9488*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2027*	pc/h/ln
S	*62.1*	mph
D = v_p / S	*32.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9880*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*261367*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9880*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2122*	pc/h/ln
S	*60.1*	mph
D = v_p / S	*35.3*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10736*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*235438*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10736*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2882*	pc/h/ln
S	*37.2*	mph
D = v_p / S	*77.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Friars Road to I-8 Interchange*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8198*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*200928*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8198*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1760*	pc/h/ln
S	*66.4*	mph
D = v_p / S	*26.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8215*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*201360*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8215*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2194*	pc/h/ln
S	*58.5*	mph
D = v_p / S	*37.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*6th Avenue to Washington St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6907*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*169288*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6907*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3690*	pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*15777*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*281735*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*15777*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3438*	pc/h/ln
S	*11.9*	mph
D = v_p / S	*288.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*16397*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*273289*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*16397*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3573*	pc/h/ln
S	*4.7*	mph
D = v_p / S	*763.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*16028*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*267140*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*16028*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2910*	pc/h/ln
S	*36.1*	mph
D = v_p / S	*80.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*14328*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*238805*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*14328*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3122*	pc/h/ln
S	*27.1*	mph
D = v_p / S	*115.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13499*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*281227*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*13499*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2913*	pc/h/ln
S	*36.0*	mph
D = v_p / S	*81.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10819*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*265163*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10819*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2300*	pc/h/ln
S	*53.5*	mph
D = v_p / S	*43.0*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9343*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228997*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9343*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1987*	pc/h/ln
S	*62.8*	mph
D = v_p / S	*31.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Adopted*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8907*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*218320*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8907*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1894*	pc/h/ln
S	*64.4*	mph
D = v_p / S	*29.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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Appendix F
Modeling Documentation & Model Outputs

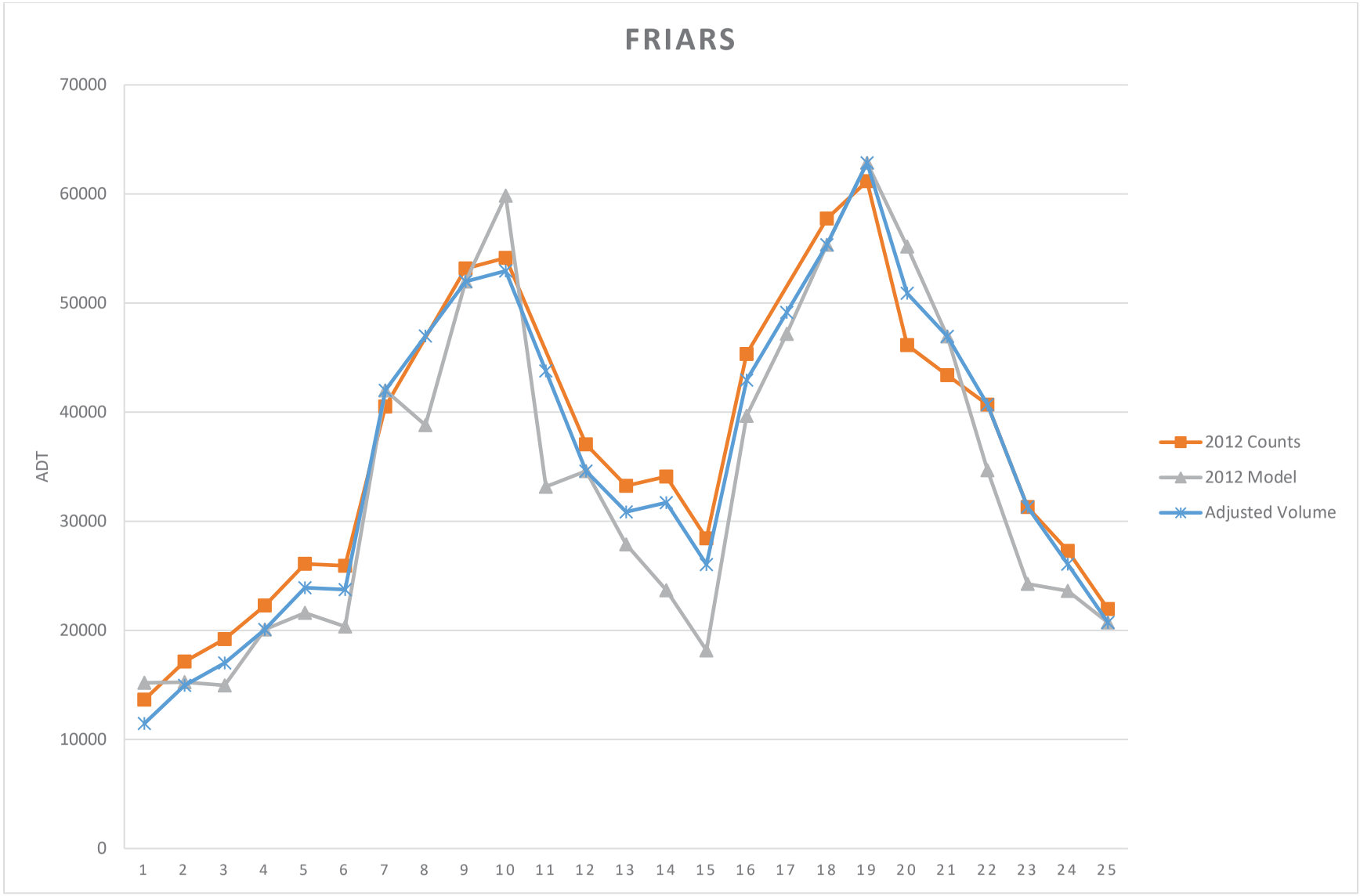
Roadway Adjustment

Model Adjustment was conducted using the following steps for corridors adjustment. Corridor adjustment calculations are provided below.

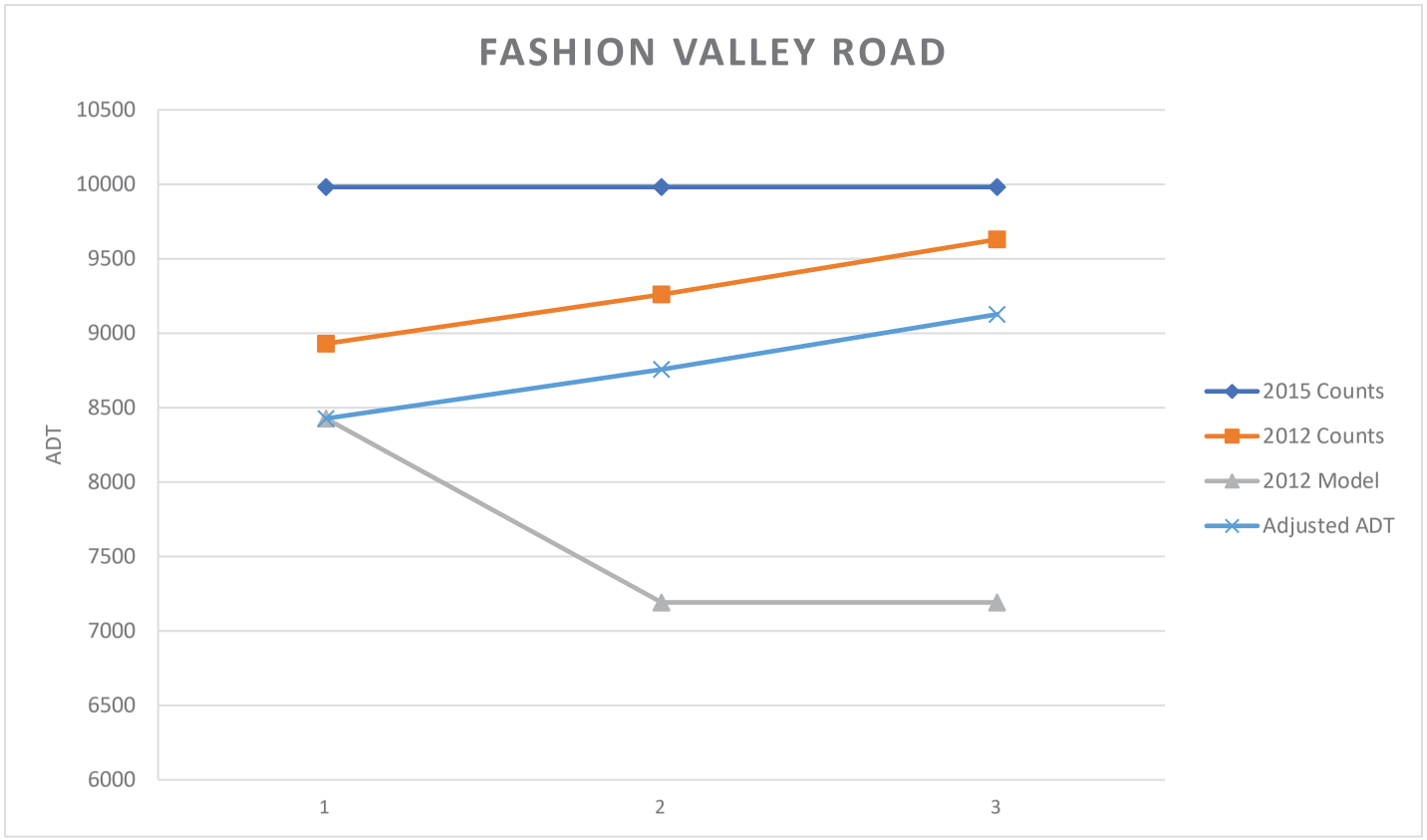
Model Ajdustment Steps:

1. Identify key segment where the Base Year 2012 counts are within +/- 10% of the model projected volume. These locations are consider to be key locations and no adjustment is needed.
2. Calculate the change in Base Year 2012 volume between the key location and adjacent location.
3. Add or subtract the change calculate in Step 2 to the key location in Step 1 to arrive at the adjusted model volume.
4. Subtract adjusted model volume from unadjusted model volume to arrive at the adjustment factor. This factor is refer to as “adj” in the tables below
5. Repeat the process above for all segments
6. Review trendline to ensure that adjusted model volume follow the same trend as the Base Year 2012 counts
7. Consider additional adjustment as needed, depending on results in Step 6
8. Extract adjustment ADT (calculated from Step 4) and apply them to all future scenarios
9. Repeat Step 1 to 8 for all corridor that needs adjustment

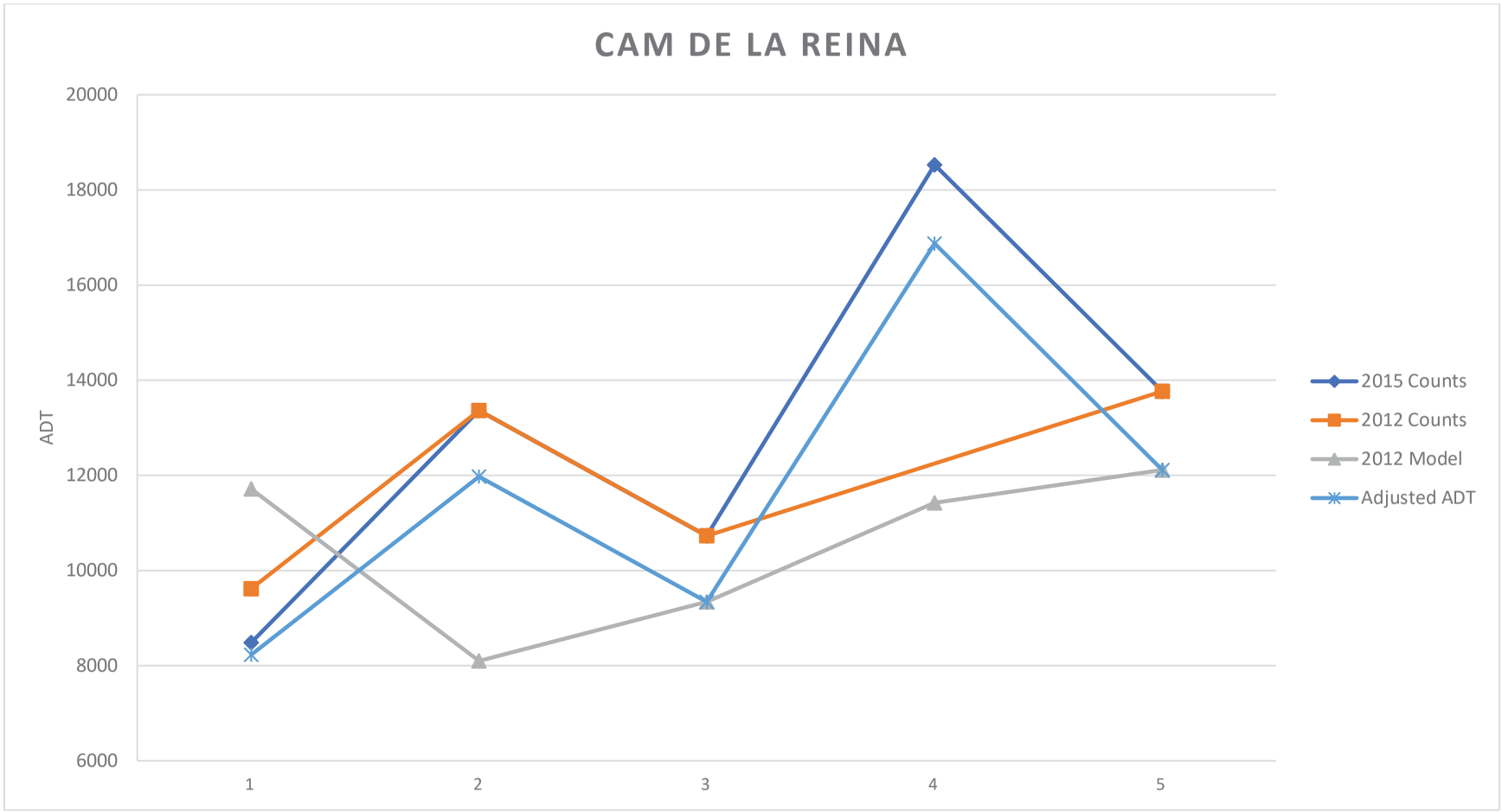
ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjusted Volume	Adj	Delta %
1	Friars Road	Sea World Drive	Napa Street	13651	13650	15195	11464	-3731	-0.16015
2	Friars Road	Napa Street	Colusa Street	19165	17140	15254	14954	-300	-0.12754
3	Friars Road	Colusa Street	Via Las Cumbres	19198	19198	14959	17012	2053	-0.11387
4	Friars Road	Via Las Cumbres	Fashion Valley Road	22272	22272	20086	20086	0	-0.09815
5	Friars Road	Fashion Valley Road	Via De La Moda	26095	26095	21606	23909	2303	-0.08377
6	Friars Road	Via De La Moda	Fashion Valley Driveway	25917	25920	20355	23734	3379	-0.08434
7	Friars Road	Fashion Valley Driveway	Avenida De Las Tiendas	26827	40513	42003	42003	0	0.036778
8	Friars Road	Avenida De Las Tiendas	Ulric Street/SR-163 SB Ramps	40513	#N/A	38815	46989	8174	#N/A
9	Friars Road	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	53166	53170	51975	51975	0	-0.02248
10	Friars Road	SR-163 NB Ramps	Frazee Road	54145	54145	59849	52950	-6899	-0.02207
11	Friars Road	Frazee Road	Mission Center Road	42781	#N/A	33168	43777	10609	#N/A
12	Friars Road	Mission Center Road	Qualcomm Way	37053	37053	34604	34604	0	-0.06609
13	Friars Road	Qualcomm Way	River Run Drive	33247	33250	27883	30856	2973	-0.072
14	Friars Road	River Run Drive	Fenton Parkway	22075	34100	23682	31706	8024	-0.07021
15	Friars Road	Fenton Parkway	Northside Drive	28434	28430	18166	26036	7870	-0.08421
16	Friars Road	Northside Drive	Mission Village Drive	45327	45330	39663	42936	3273	-0.05281
17	Friars Road	San Diego Mission Road	I-15 SB Ramps	57744	#N/A	47182	49143	1961	#N/A
18	Friars Road	I-15 SB Ramps	I-15 NB Ramps	46567	57744	55350	55350	0	-0.04146
19	Friars Road	I-15 NB Ramps	Rancho Mission Road	51608	61175	62864	62864	0	0.027609
20	Friars Road	Rancho Mission Road	Santo Road	39432	46148	55180	50898	-4282	0.10293
21	Friars Road	Santo Road	Riverdale Street	43383	43383	46947	46947	0	0.082152
22	Friars Road	Riverdale Street	Mission Gorge Road	31295	40690	34684	40690	6006	0
23	Mission Gorge Road	Friars Road	Zion Avenue	40690	31300	24260	31300	7040	0
24	Mission Gorge Road	Zion Avenue	Allied		27289	23617	26061	2444	-0.045
25	Mission Gorge Road	Old Cliffs RD	Katlyn Court		21951	20723	20723	0	-0.05594


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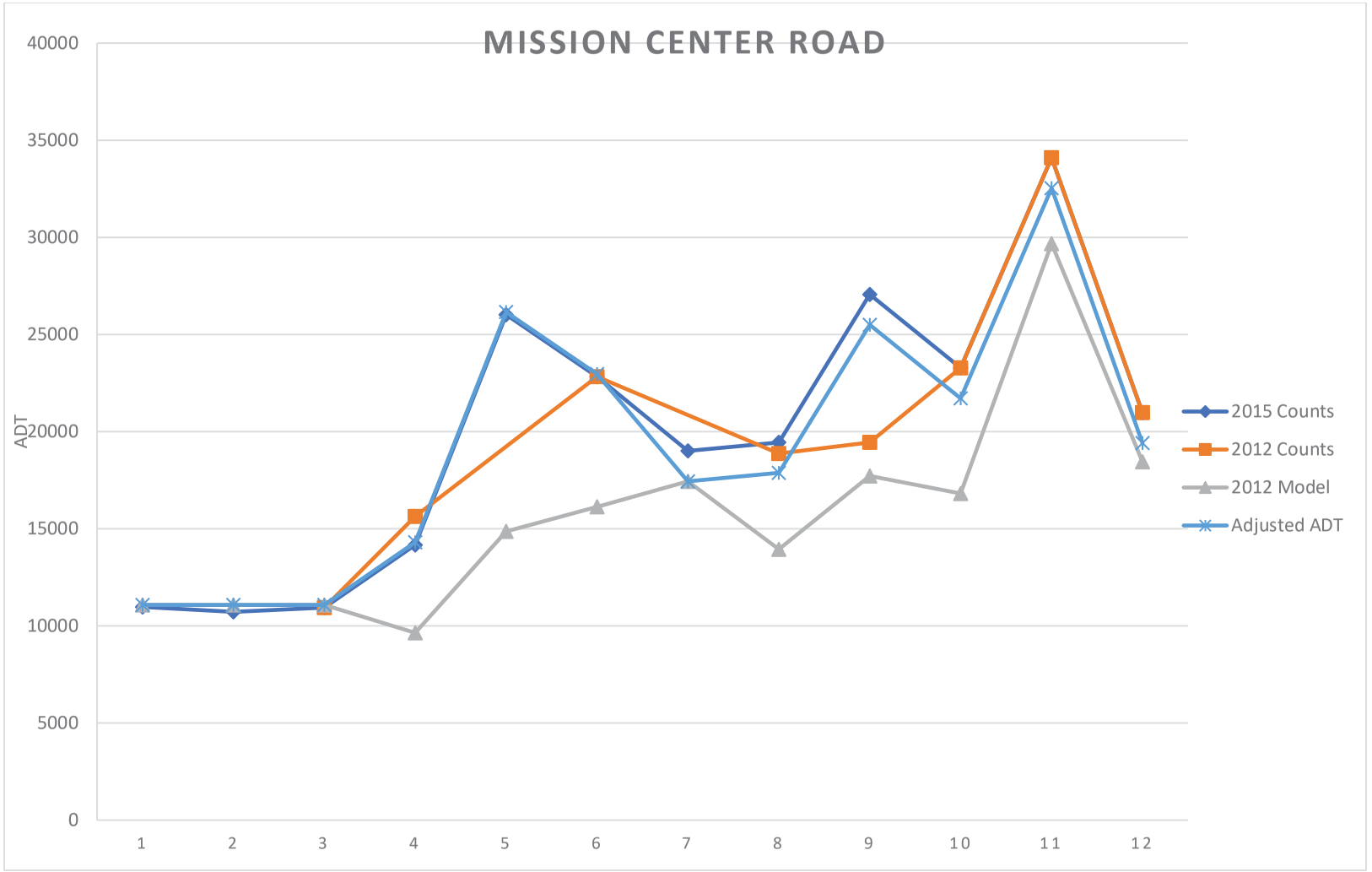
ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjusted ADT	Adj	Delta %
1	Fashion Valley Road	Friars Road	Riverwalk Drive	9982	8930	8427	8427	0	-0.05633
2	Fashion Valley Road	Riverwalk Drive	Levi-Cushman Street "B"	9982	9260	7192	8757	1565	-0.05432
3	Fashion Valley Road	Levi-Cushman Street "B"	Hotel Circle North	9982	9630	7192	9127	1935	-0.05223



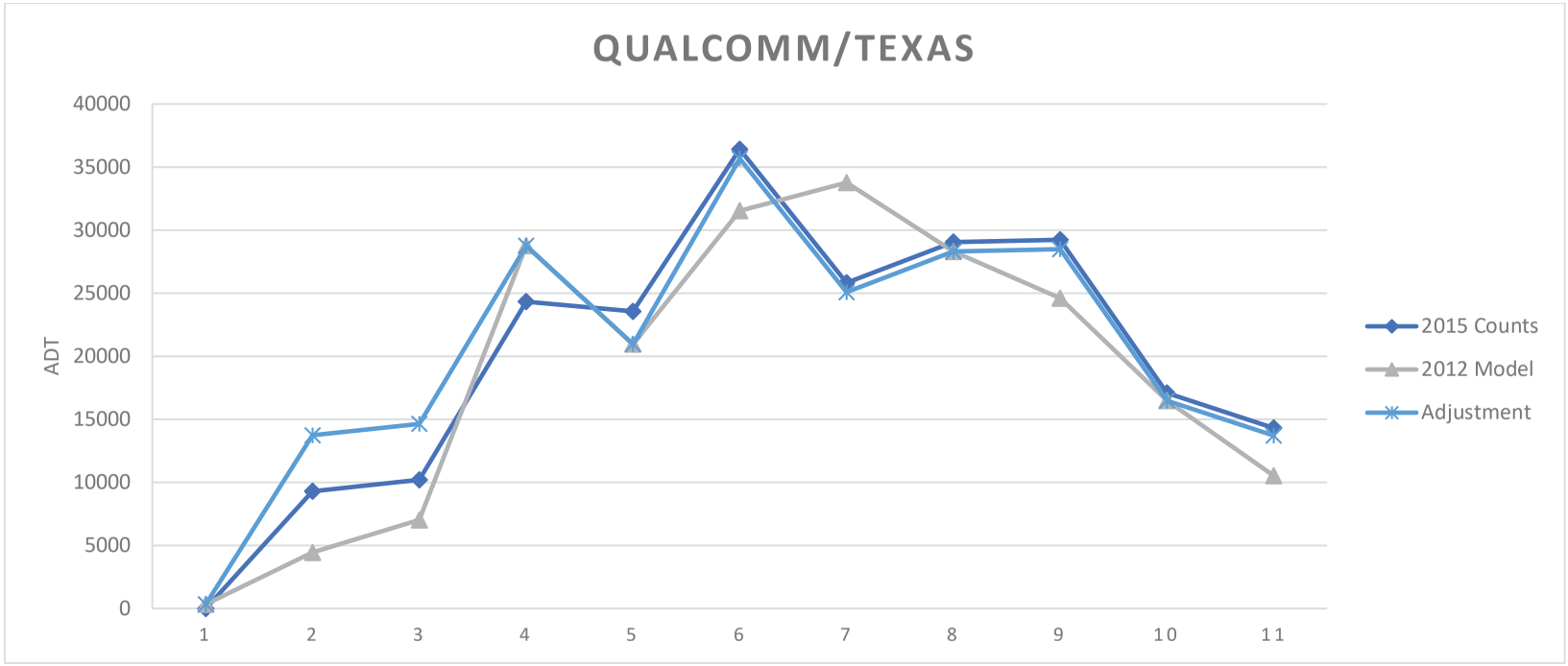
ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjusted ADT	Adj	Delta %
1	Camino De La Reina	Hotel Circle North	Avenida Del Rio	8484	9617	11715		-3487	-0.03017
2	Camino De La Reina	Avenida Del Rio	Camino De La Siesta	13363	13363	8100	11974	3874	-0.10394
3	Camino De La Reina	Camino De La Siesta	Mission Center Road	10730	10730	9341	9341	0	-0.12945
4	Camino De La Reina	Mission Center Road	Camino Del Este	18528	#N/A	11423	16874	5451	-0.08927
5	Camino De La Reina	Camino Del Este	Qualcomm Way	13767	13767	12113	12113	0	-0.12014



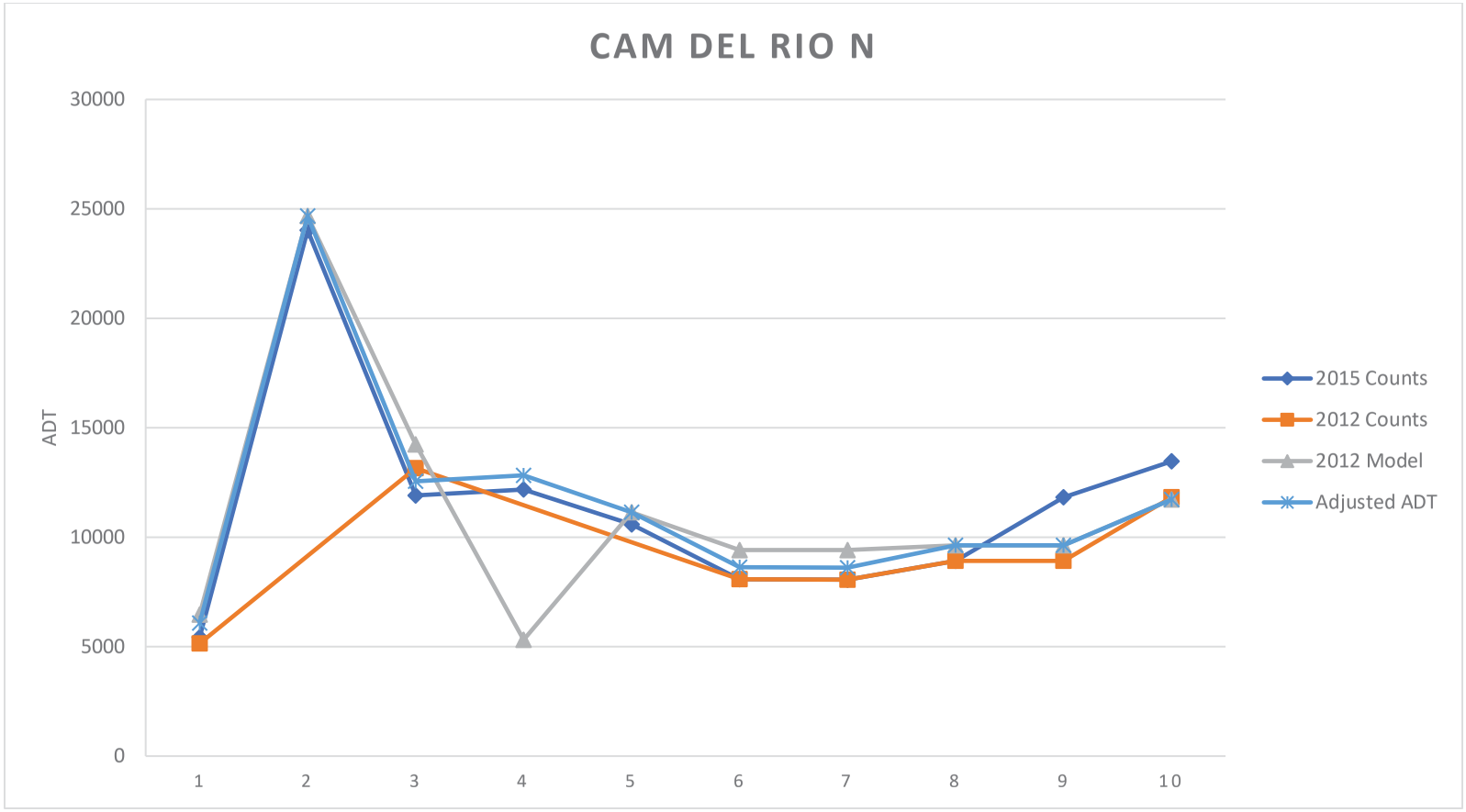
ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjusted ADT	Adj	Delta %
1	Mission Center Road	Murray Ridge Road	1200 Feet West of Murray Ridge Road	10972	#N/A	11076	11076	0	#N/A
2	Mission Center Road	1200 Feet West of Murray Ridge Road	950 Feet North of Mission Valley Road	10721	#N/A	11076	11076	0	#N/A
3	Mission Center Road	950 Feet North of Mission Valley Road	Mission Valley Road	10939	10939	11076	11076	0	0.012524
4	Mission Center Road	Mission Valley Road	Westside Drive	14165	15630	9642	14302	4660	-0.08496
5	Mission Center Road	Westside Drive	Friars Road WB Ramps	26018	#N/A	14862	26155	11293	#N/A
6	Mission Center Road	Friars Road WB Ramps	Friars Road EB Ramps	22826	22826	16128	22963	6835	0.006002
7	Mission Center Road	Friars Road EB Ramps	Mission Center Court	19005	#N/A	17438	17438	0	#N/A
8	Mission Center Road	Mission Center Court	Hazard Center Drive	19445	18870	13940	17878	3938	-0.05257
9	Mission Center Road	Hazard Center Drive	Camino De La Reina	27063	19445	17716	25496	7780	0.311185
10	Mission Center Road	Camino De La Reina	Camino Del Rio North	23280	23280	16814	21713	4899	-0.06731
11	Auto Circle	Camino Del Rio North	I-8 EB Ramps	34097	34097	29675	32530	2855	-0.04596
12	Auto Circle	I-8 EB Ramps	Camino Del Rio South	20976	20976	18448	19409	961	-0.0747


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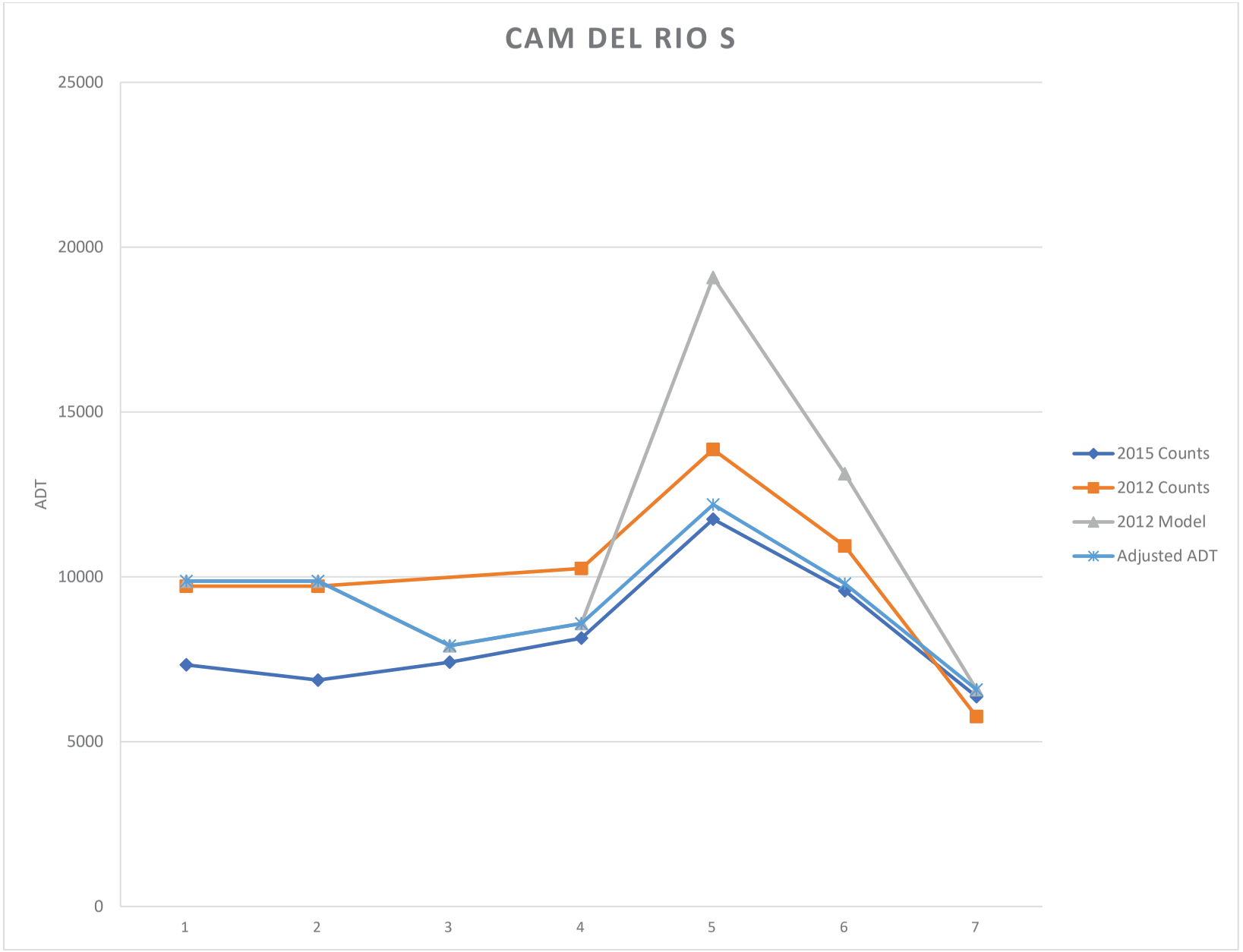
ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjustment	Adj	Delta %
1	Qualcomm Way	Civita Boulevard	Friars Road WB Ramps	0	#N/A	334	334	0	#DIV/0!
2	Qualcomm Way	Friars Road WB Ramps	Friars Road EB Ramps	9299	#N/A	4446	13736	9290	0.4771481
3	Qualcomm Way	Friars Road EB Ramps	Rio San Diego Drive	10201	10201	7025	14638	7613	0.4349574
4	Qualcomm Way	Rio San Diego Drive	Camino Del Rio North	24329	25829	28766	28766	0	0.1823749
5	Qualcomm Way	Camino Del Rio North	I-8 WB Ramps	23559	23559	20959	20959	0	-0.1103612
6	Qualcomm Way	I-8 WB Ramps	I-8 EB Ramps	36413	36413	31540	35666	4126	-0.0205147
7	Qualcomm Way	I-8 EB Ramps	Camino Del Rio South	25827	#N/A	33771	25080	-8691	-0.0289232
8	Texas Street	Camino Del Rio South	1400 Feet North of Madison Ave	29054	29239	28307	28307	0	-0.0257107
9	Texas Street	1400 Feet North of Madison Ave	Madison Avenue	29239	#N/A	24605	28492	3887	-0.0255481
10	Texas Street	Madison Avenue	Meade Ave	17087	#N/A	16481	16481	0	-0.0354656
11	Texas Street	Meade Ave	El Cajon Boulevard	14313	#N/A	10527	13707	3180	-0.0423391


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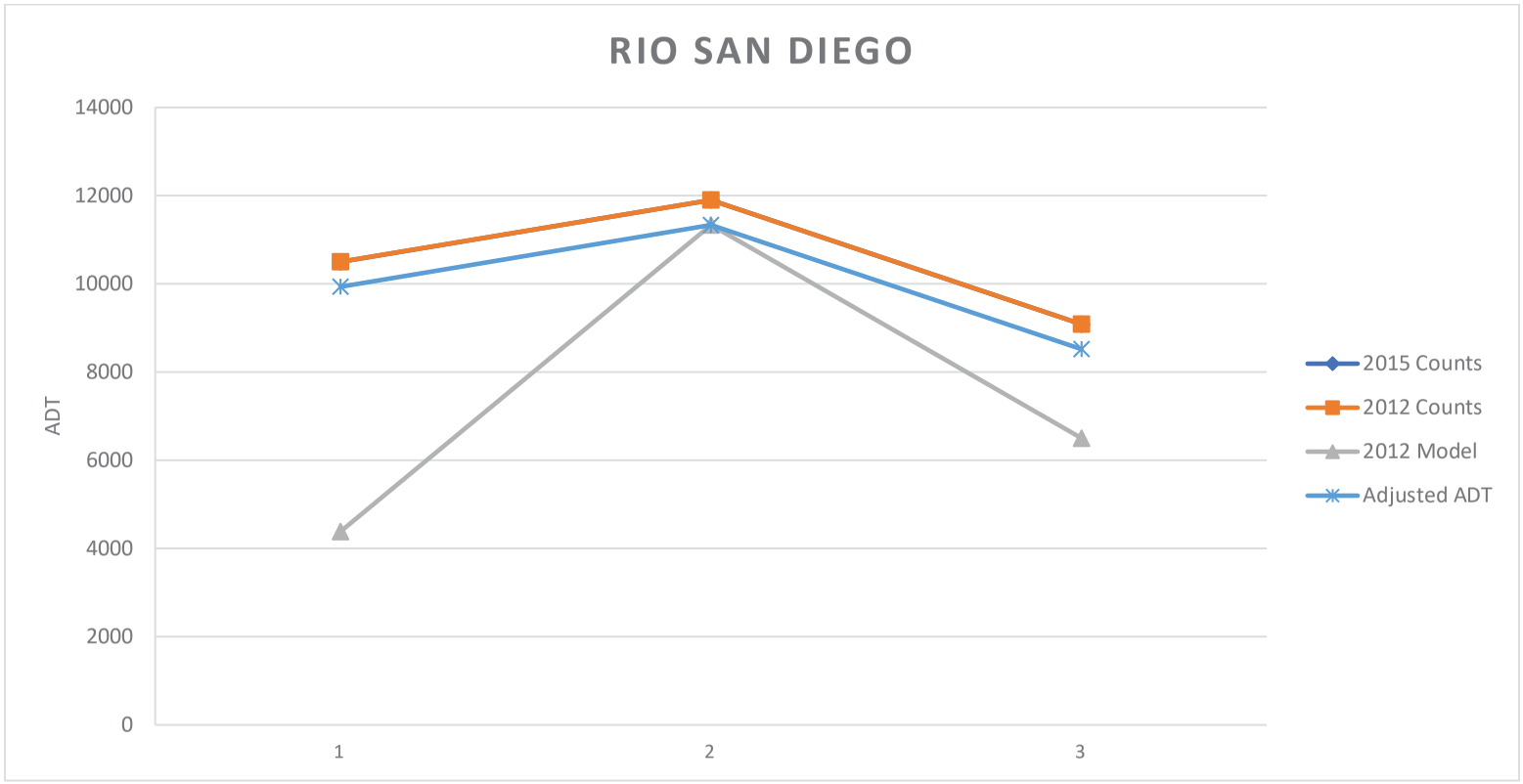
ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjusted ADT	Adj	Delta %
1	Camino Del Rio North	Camino De La Siesta	Mission Center Road	5430	5145	6468	6078	-390	0.119337
2	Camino Del Rio North	Mission Center Road	I-8 WB Ramps	24026	#N/A	24674	24674	0	0.0269708
3	Camino Del Rio North	I-8 WB Ramps	Camino Del Este	11908	13155	14241	12556	-1685	0.0544172
4	Camino Del Rio North	Camino Del Este	Qualcomm Way	12181	#N/A	5314	12829	7515	0.0531976
5	Camino Del Rio North	Qualcomm Way	Mission City Parkway	10588	#N/A	11139	11139	0	0.05204
6	Camino Del Rio North	Mission City Parkway	800 Feet East of Mission City Parkway	8081	8081	9412	8632	-780	0.0681846
7	Camino Del Rio North	800 Feet East of Mission City Parkway	1800 Feet West of Ward Road	8059	8059	9412	8610	-802	0.0683708
8	Camino Del Rio North	1800 Feet West of Ward Road	Ward Road	8920	8920	9633	9633	0	0.0799327
9	Camino Del Rio North	Ward Road	1000 Feet West of Fairmount Avenue	11825	8920	9633	9633	0	-0.18537
10	Camino Del Rio North	1000 Feet West of Fairmount Avenue	Fairmount Avenue	13469	11825	11725	11725	0	-0.1294825


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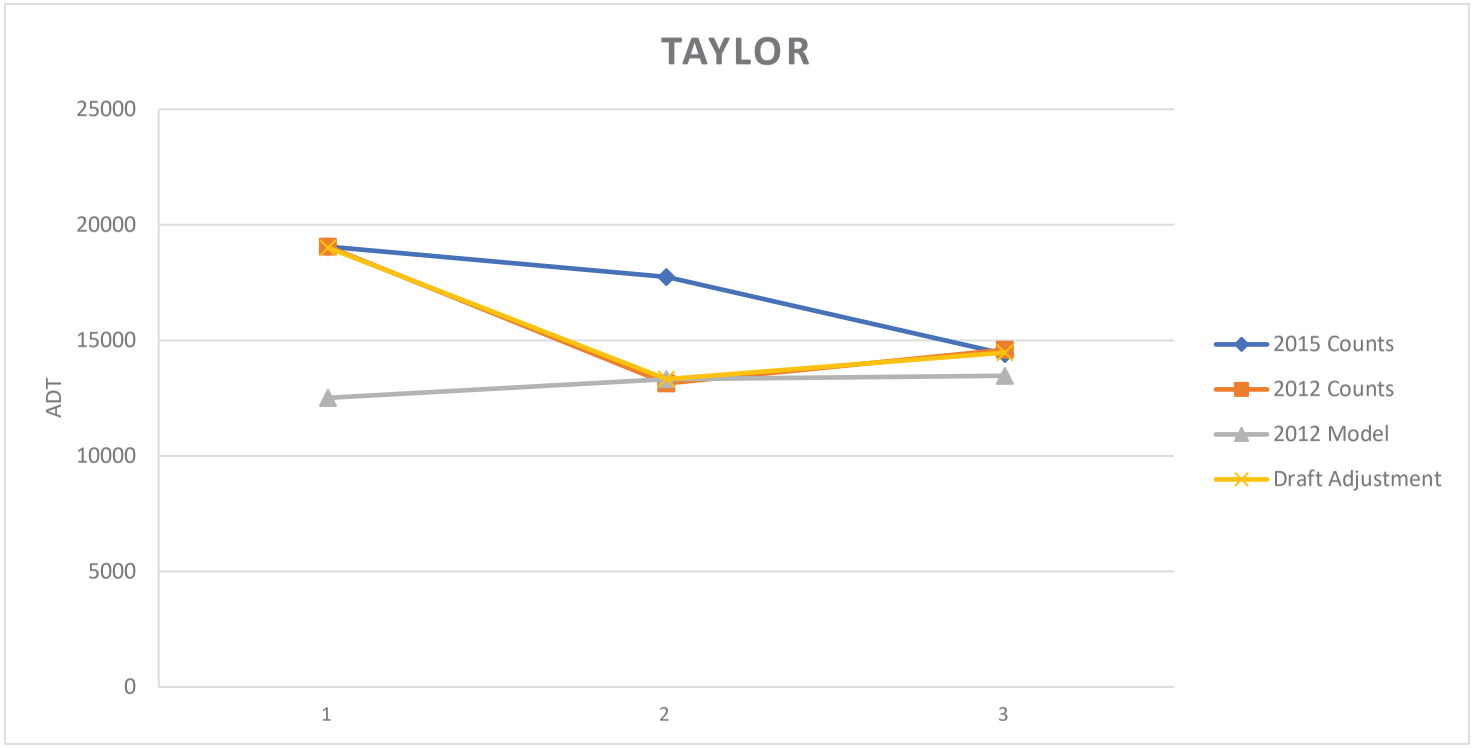
ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjusted ADT	Adj
1	Camino Del Rio South	Western Terminus	1800 Feet west of Mission Center Road	7331	9715	9871	**9871**	0
2	Camino Del Rio South	1800 Feet west of Mission Center Road	Mission Center Road	6867	9715	9871	**9871**	0
3	Camino Del Rio South	Mission Center Road	Texas Street	7412	#N/A	7910	**7910**	0
4	Camino Del Rio South	Texas Street	Mission City Parkway	8141	10254	8584	**8584**	0
5	Camino Del Rio South	Mission City Parkway	I-15 SB Offramp	11749	13862	19082	12192	-6890
6	Camino Del Rio South	I-15 SB Offramp	I-15 SB Onramp	9577	10934	13125	9791	-3334
7	Camino Del Rio South	I-15 SB Onramp	Fairmount Avenue	6367	5760	6581	**6581**	0


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Adjusted ADT

ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Adjusted ADT	Adj
1	Rio San Diego Drive	Gill Village Way	Qualcomm Way	10499	10500	4384	9935	5551
2	Rio San Diego Drive	Qualcomm Way	River Run Drive	11900	11900	11335	11335	0
3	Rio San Diego Drive	River Run Drive	Fenton Parkway	9085	9085	6500	8520	2020



ID	Roadway	From	TO	Average ADT	2012 Count	2012 Model	Delta ADT	Delta %	Draft Adjustment	Adj
1	Taylor Street	Pacific Highway	Morena Boulevard	19057	19060	12512	-6548	-0.3435467	19012	6500
2	Taylor Street	Morena Boulevard	I-8 EB Ramps	17745	13140	13322	182	0.0138508	13322	0
3	Taylor Street	I-8 EB Ramps	Hotel Circle South	14410	14595	13468	-1127	-0.0772182	14468	1000



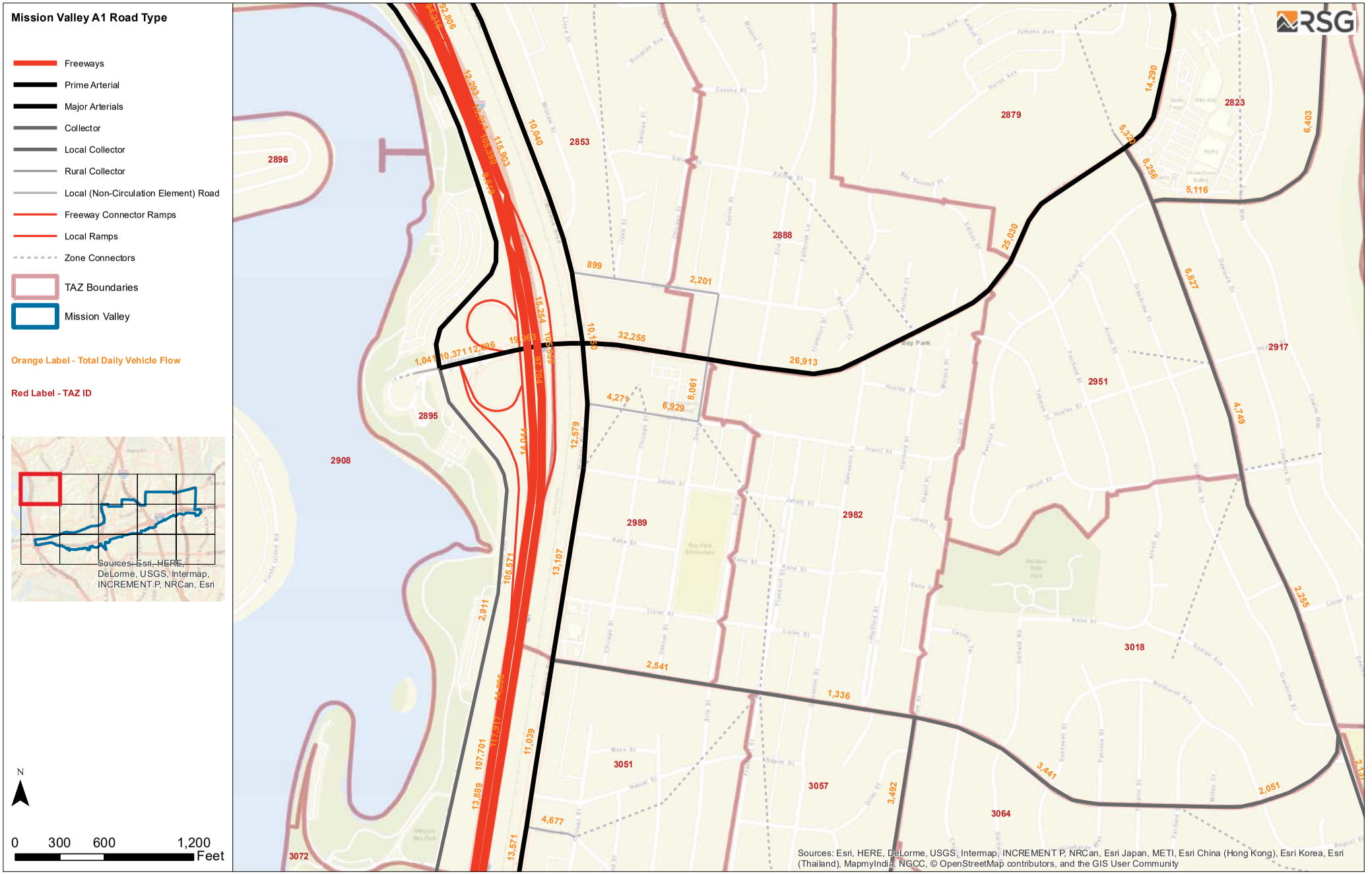
ID			Segment		2015			Base Year Model (Alt H)				CPU			
ID	Selected?	Roadway	From	To	ADT, Day 1	ADT, Day 2	Average ADT	Count ID Match	2012 Counts	2012 Model	1st Manual Adjustment	2nd Manual Adjustment	Comments	Proposed ADT (Model)	Final (Proposed)
1	Yes	Phyllis Place	Abbotshill Road	I-805 SB Ramps	2293	2251	2272	#N/A	#N/A	2095	0	0	No Adjustment	32515	32500
2	Yes	Sea World Drive	Mission Bay Parkway	Friars Road	34253	34139	34196	11539	34200	35739	0	0	No Adjustment	41124	41100
3	Yes	Sea World Drive	Friars Road	I-5 SB Ramps	29485	29495	29490	11623	29490	26735	2700	0	No Adjustment	31899	34600
4	Yes	Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	32271	28675	30473	22655	30470	21313	9200	0	No Adjustment	25551	34800
5	Yes	Tecolote Road	I-5 NB Ramps	Morena Boulevard	22727	22091	22409	11335	22410	17340	5100	0	No Adjustment	26733	31800
6	Yes	Mission Valley Road	Metropolitan Drive	Mission Center Road	7577	7298	7438	16078	7438	6840	0	0	- no adjustment require. Negative growth in Propos	16420	16400
7	Yes	Civita Boulevard	Mission Center Road	Via Alta	2523	2435	2479	#N/A	#N/A	0	#N/A	0	No Adjustment - volume close to SMCPA	5052	5100
New	Yes	Civita Boulevard	Via Alta	Qualcomm Way	2523	2435	2479	#N/A	#N/A	#N/A	#N/A	0	No Adjustment - volume close to SMCPA	4195	4200
New	Yes	Civita Boulevard	Qualcomm Way	Franklin Ridge Road	0	0	0	#N/A	#N/A	#N/A	#N/A	0	No Adjustment - volume close to SMCPA	11054	11100
8	Yes	Westside Drive	Mission Center Road	Via Alta	4044	4090	4067	#N/A	#N/A	0	#N/A	0	No Adjustment - volume close to SMCPA	5096	5100
9	Yes	Friars Road	Sea World Drive	Napa Street	13528	13773	13651	8860	13650	15195	-3731	0	No Adjustment	18348	14600
10	Yes	Friars Road	Napa Street	Colusa Street	19011	19319	19165	8859	17140	15254	-300	0	No Adjustment	18954	18700
11	Yes	Friars Road	Colusa Street	Via Las Cumbres	19013	19383	19198	2357	19198	14959	2053	0	No Adjustment due to parallel facility	22037	24100
12	Yes	Friars Road	Via Las Cumbres	Fashion Valley Road	21377	23166	22272	17054	22272	20086	0	0	No Adjustment due to parallel facility	24813	24800
13	Yes	Friars Road	Fashion Valley Road	Via De La Moda	25640	26549	26095	16392	26095	21606	2303	0	No Adjustment due to parallel facility	25029	27300
14	Yes	Friars Road	Via De La Moda	Fashion Valley Driveway	25187	26646	25917	16393	25920	20355	3379	0	No Adjustment due to parallel facility	23689	27100
15	Yes	Friars Road	Fashion Valley Driveway	Avenida De Las Tiendas	25796	27857	26827	16394	40513	42003	0	0	No Adjustment due to parallel facility	41662	41700
16	Yes	Friars Road	Avenida De Las Tiendas	Ulric Street/SR-163 SB Ramps	39490	41535	40513	#N/A	#N/A	38815	8174	0	No Adjustment due to parallel facility	50262	58400
17	Yes	Friars Road	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	53210	53122	53166	16401	53170	51975	0		No Adjustment due to parallel facility	55941	55900
18	Yes	Friars Road	SR-163 NB Ramps	Frazee Road	54251	54038	54145	16072	54145	59849	-6899	0	No Adjustment due to parallel facility	52547	45600
19	Yes	Friars Road	Frazee Road	Mission Center Road	42111	43450	42781	#N/A	#N/A	33168	10609	0	No adjustment	31081	41700
20	Yes	Friars Road	Mission Center Road	Qualcomm Way	36807	37298	37053	18038	37053	34604	0	0	No Adjustment	35719	35700
21	Yes	Friars Road	Qualcomm Way	River Run Drive	33167	33327	33247	16087	33250	27883	2973	0	No Adjustment	35892	38900
22	Yes	Friars Road	River Run Drive	Fenton Parkway	21969	22180	22075	16092	34100	23682	8024	0	No Adjustment	32152	40200
23	Yes	Friars Road	Fenton Parkway	Northside Drive	28394	28473	28434	1814	28430	18166	7870	0	No adjustment	26364	34200
24	Yes	Friars Road	Northside Drive	Mission Village Drive	46057	44597	45327	14749	45330	39663	3273	0	No Adjustment	48439	51700
25	Yes	Friars Road	San Diego Mission Road	I-15 SB Ramps	57770	57717	57744	#N/A	#N/A	47182	1961	0	No Adjustment	83272	85200
26	Yes	Friars Road	I-15 SB Ramps	I-15 NB Ramps	46670	46464	46567	8726	57744	55350	0	0	No Adjustment	73936	73900
27	Yes	Friars Road	I-15 NB Ramps	Rancho Mission Road	52142	51073	51608	11556	61175	62864	0	0	No Adjustment	70293	70300
28	Yes	Friars Road	Rancho Mission Road	Santo Road	40015	38849	39432	9307	46148	55180	-4282	0	No Adjustment	63000	58700
29	Yes	Friars Road	Santo Road	Riverdale Street	43074	43692	43383	9308	43383	46947	0	0	No Adjustment	62042	62000
30	Yes	Friars Road	Riverdale Street	Mission Gorge Road	31776	30813	31295	369	40690	34684	6006	0	No Adjustment	36762	42800
31	Yes	Mission Gorge Road	Friars Road	Zion Avenue	40998	40382	40690	14750	31300	24260	7040		No Adjustment	26076	33100
New	Yes	Hazard Center Drive	Avenida Del Rio	Hazard Center W. Driveway							2100			10271	12400
32	Yes	Hazard Center Drive	Hazard Center W. Driveway	Mission Center Road	8604	8817	8711	#N/A	#N/A	4439	4300	0	No Adjustment	11505	15800
33	Yes	Rio San Diego Drive	Gill Village Way	Qualcomm Way	10617	10381	10499	14746	10500	4384	5551	0	No Adjustment	9845	15400
34	Yes	Rio San Diego Drive	Qualcomm Way	River Run Drive	11386	11177	11282	#N/A	#N/A	11335	0	0	No Adjustment	14651	14700
35	Yes	Rio San Diego Drive	River Run Drive	Fenton Parkway	9074	9095	9085	16091	9085	6500	2020	0	No Adjustment	11891	13900
36	Yes	San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	7707	7469	7588	#N/A	#N/A	7638	0	0	No Adjustment	12383	12400
37	Yes	San Diego Mission Road	Rancho Mission Road	950 Feet West of Fairmount Avenue	8048	7986	8017	15424	6688	6094	0	0	No Adjustment	13660	13700
38	Yes	San Diego Mission Road	950 Feet West of Fairmount Avenue	Fairmount Avenue	8048	7986	8017	15424	6688	6094	0	0	No Adjustment	13660	13700
39	Yes	Taylor Street	Pacific Highway	Morena Boulevard	18648	19466	19057	9733	19060	10510	6500	0	No Adjustment	12296	18800
40	Yes	Taylor Street	Morena Boulevard	I-8 EB Ramps	17394	18096	17745	16026	13140	13322	0	0	No Adjustment	4222	4200
41	Yes	Taylor Street	I-8 EB Ramps	Hotel Circle South	13695	15124	14410	#N/A	#N/A	13468	1000	0	No Adjustment	4222	5200
42	Yes	Hotel Circle North	Hotel Circle South	Fashion Valley Road	14261	16426	15344	14770	12463	7188	0	0	No Adjustment - new parallel facility (VLC)	8556	8600
43	Yes	Hotel Circle North	Fashion Valley Road	I-8 WB Off-Ramp	6089	6920	6505	16016	15506	11253	0	0	No Adjustment - new parallel facility (VLC)	12840	12800
44	Yes	Hotel Circle North	I-8 WB Off-Ramp	Via Las Cumbres	14978	16034	15506	16017	6510	6740	0	0	No Adjustment	24101	24100
45	Yes	Hotel Circle North	Via Las Cumbres	I-8 WB On-Ramp	12345	12580	12463	#N/A	#N/A	3288	0	0	No Adjustment	15735	15700

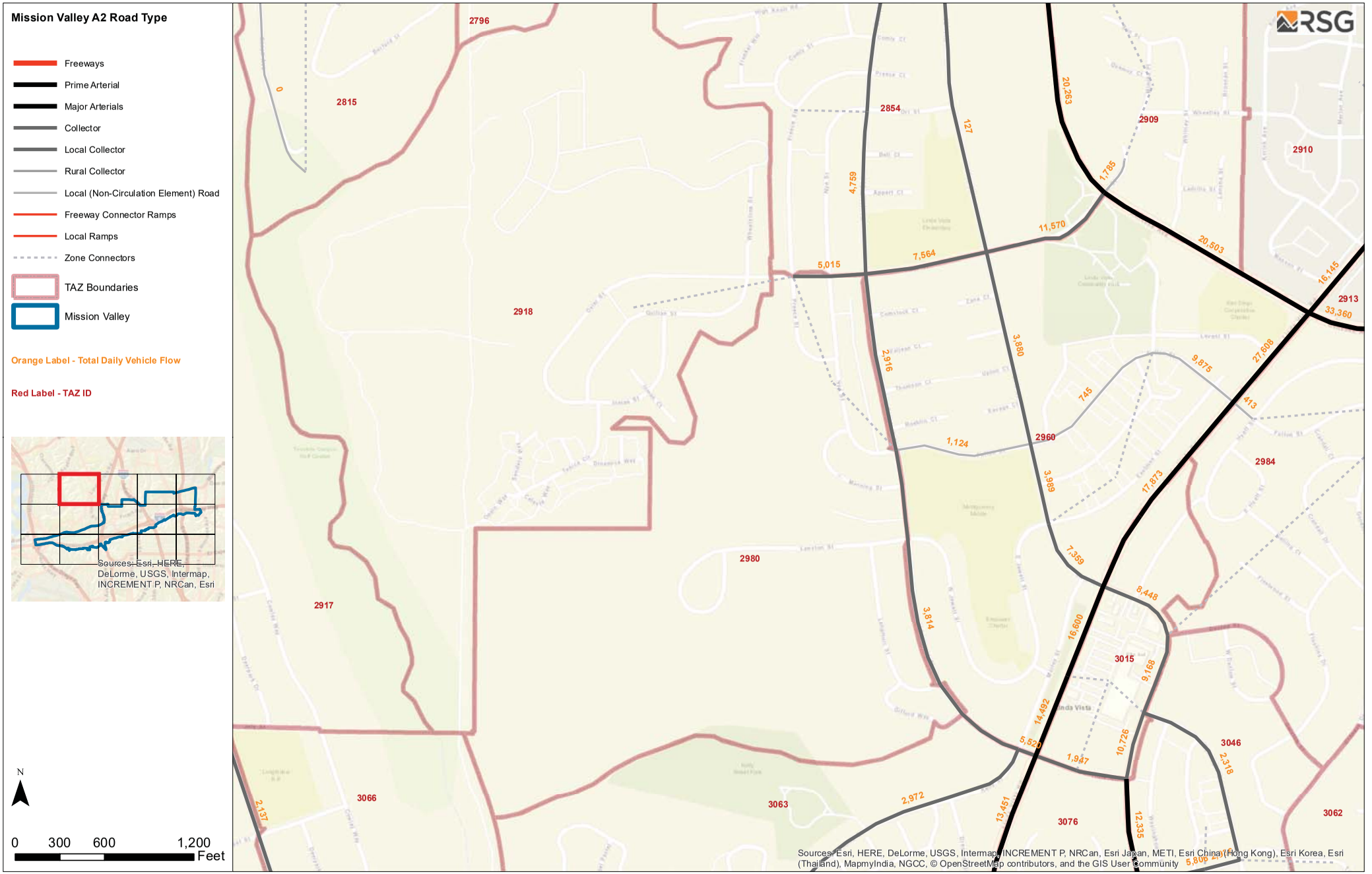
ID			Segment		2015			Base Year Model (Alt H)				CPU			
ID	Selected?	Roadway	From	To	ADT, Day 1	ADT, Day 2	Average ADT	Count ID Match	2012 Counts	2012 Model	1st Manual Adjustment	2nd Manual Adjustment	Comments	Proposed ADT (Model)	Final (Proposed)
New	Yes	Hotel Circle North	I-8 WB On-Ramp	Hotel Circle South							0			3426	3400
46	Yes	Camino De La Reina	Hotel Circle North	Avenida Del Rio	8304	8663	8484	17610	9617	11715	-3487	0	No Adjustment	12539	9100
47	Yes	Camino De La Reina	Avenida Del Rio	Camino De La Siesta	12989	13736	13363	6703	13363	8100	3874	0	No Adjustment	13016	16900
48	Yes	Camino De La Reina	Camino De La Siesta	Mission Center Road	10553	10906	10730	9319	10730	9341	0	0	No Adjustment	10504	10500
49	Yes	Camino De La Reina	Mission Center Road	Camino Del Este	18208	18847	18528	#N/A	#N/A	11423	5451	0	No Adjustment	14474	19900
50	Yes	Camino De La Reina	Camino Del Este	Qualcomm Way	13522	14012	13767	9199	13767	12113	0	0	No Adjustment	13197	13200
51	Yes	Camino Del Rio North	Camino De La Siesta	Mission Center Road	5288	5571	5430	6981	5145	6468	-390	0	No Adjustment	13215	12800
52	Yes	Camino Del Rio North	Mission Center Road	I-8 WB Ramps	24977	23074	24026	#N/A	#N/A	24674	0	0	No Adjustment	29546	29500
53	Yes	Camino Del Rio North	I-8 WB Ramps	Camino Del Este	11539	12276	11908	#N/A	#N/A	14241	-1685	0	No Adjustment	13006	11300
54	Yes	Camino Del Rio North	Camino Del Este	Qualcomm Way	12104	12258	12181	#N/A	#N/A	5314	7515	0	No Adjustment	13867	21400
55	Yes	Camino Del Rio North	Qualcomm Way	Mission City Parkway	10769	10407	10588	#N/A	#N/A	11139	0	0	No Adjustment	15552	15600
56	Yes	Camino Del Rio North	Mission City Parkway	800 Feet East of Mission City Parkway	8295	7867	8081	388	8081	9412	-780	0	No Adjustment	9689	8900
57	Yes	Camino Del Rio North	800 Feet East of Mission City Parkway	1800 Feet West of Ward Road	8297	7821	8059	12649	8059	9412	-802	0	No Adjustment	9689	8900
58	Yes	Camino Del Rio North	1800 Feet West of Ward Road	Ward Road	9176	8663	8920	10997	8920	9633	0	0	No Adjustment	9763	9800
59	Yes	Camino Del Rio North	Ward Road	1000 Feet West of Fairmount Avenue	11918	11732	11825	10997	8920	9633	0	0	No Adjustment - negative growth	9763	9800
60	Yes	Camino Del Rio North	1000 Feet West of Fairmount Avenue	Fairmount Avenue	13395	13543	13469	14510	11825	11725	0	0	No Adjustment - negative growth	20336	20300
61	Yes	Hotel Circle South	Taylor Street	I-8 EB Off-Ramp	12001	12017	12009	#N/A	#N/A	6879	0	0	No Adjustment - additional parallel facility (VLC)	3210	3200
62	Yes	Hotel Circle South	I-8 EB Off-Ramp	Via Las Cumbres	12107	12569	12338	#N/A	#N/A	6921	0	0	No Adjustment - additional parallel facility (VLC)	16369	16400
63	Yes	Hotel Circle South	Via Las Cumbres	I-8 EB On-Ramp	16911	17483	17197	#N/A	#N/A	6921	0		No Adjustment	30174	30200
New	Yes	Hotel Circle South	I-8 EB On-Ramp	Bachman Place										13632	13600
64	Yes	Hotel Circle South	Bachman Place	Hotel Circle North	15813	15339	15576	#N/A	#N/A	12817	0	0	No Adjustment	14337	14300
65	Yes	Camino Del Rio South	Western Terminus	1800 Feet west of Mission Center Road	7012	7650	7331	16065	7331	9871	-2500	0	No Adjustment	10042	7500
66	Yes	Camino Del Rio South	1800 Feet west of Mission Center Road	Mission Center Road	6686	7047	6867	#N/A	#N/A	9871	-2500	0	No Adjustment	10042	7500
67	Yes	Camino Del Rio South	Mission Center Road	Texas Street	7602	7221	7412	#N/A	#N/A	7910	0	0	No Adjustment	8688	8700
68	Yes	Camino Del Rio South	Texas Street	Mission City Parkway	8383	7899	8141	25094	10254	8584	0	0	No Adjustment	11177	11200
69	Yes	Camino Del Rio South	Mission City Parkway	I-15 SB Offramp	11908	11589	11749	#N/A	#N/A	19082	-8000	0	No Adjustment	22120	14100
70	Yes	Camino Del Rio South	I-15 SB Offramp	I-15 SB Onramp	9376	9777	9577	11011	10934	13125	2200	0	No Adjustment	14783	17000
71	Yes	Camino Del Rio South	I-15 SB Onramp	Fairmount Avenue	6188	6546	6367	#N/A	#N/A	6581	0	0	No Adjustment	7636	7600
72	Yes	West Morena Boulevard	Tecolote Road	Morena Boulevard	15932	16424	16178	#N/A	#N/A	10074	6000	0	No Adjustment	10638	16600
73	Yes	Morena Boulevard	West Morena Boulevard	Linda Vista Road	17674	17800	17737	6885	17740	11929	5800	0	No Adjustment	10154	16000
74	Yes	Morena Boulevard	Linda Vista Road	I-8 WB Offramp	41556	42308	41932	8855	36350	35449	0	0	No Adjustment	28420	28400
75	Yes	Morena Boulevard	I-8 WB Offramp	Taylor Street	11206	11924	11565	#N/A	#N/A	5748	5800	0	No Adjustment	9630	15400
76	Yes	Napa Street	Morena Boulevard	Friars Road	13632	13228	13430	#N/A	#N/A	9681	3700	0	No Adjustment	11818	15500
77	Yes	Colusa Street	Linda Vista Road	Friars Road	2699	2731	2715	#N/A	#N/A	3459	-700	0	No Adjustment	3295	2600
New	Yes	Colusa Street	Friars Road	Riverwalk Drive			0	#N/A	#N/A	3124	0	0	No Adjustment	444	400
78	Yes	Via Las Cumbres	Linda Vista Road	Friars Road	10658	11187	10923	18800	10923	13138	0	0	No Adjustment	12540	12500
New	Yes	Via Las Cumbres	Friars Road	Riverwalk Drive			0	#N/A	#N/A	#N/A	0	0	No Adjustment	14284	14300
New	Yes	Via Las Cumbres	Riverwalk Drive	Levi-Cushman Street "B"			0	#N/A	#N/A	#N/A	0	0	No Adjustment	19495	19500
New	Yes	Via Las Cumbres	Levi-Cushman Street "B"	Hotel Circle North			0	#N/A	#N/A	#N/A	0	0	No Adjustment	23476	23500
New	Yes	Via Las Cumbres	Hotel Circle North	Hotel Circle South			0	#N/A	#N/A	#N/A	0	0	No Adjustment	30242	30200
79	Yes	Fashion Valley Road	Friars Road	Riverwalk Drive	9760	10204	9982	24729	8930	8427	0	0	No Adjustment	7800	7800

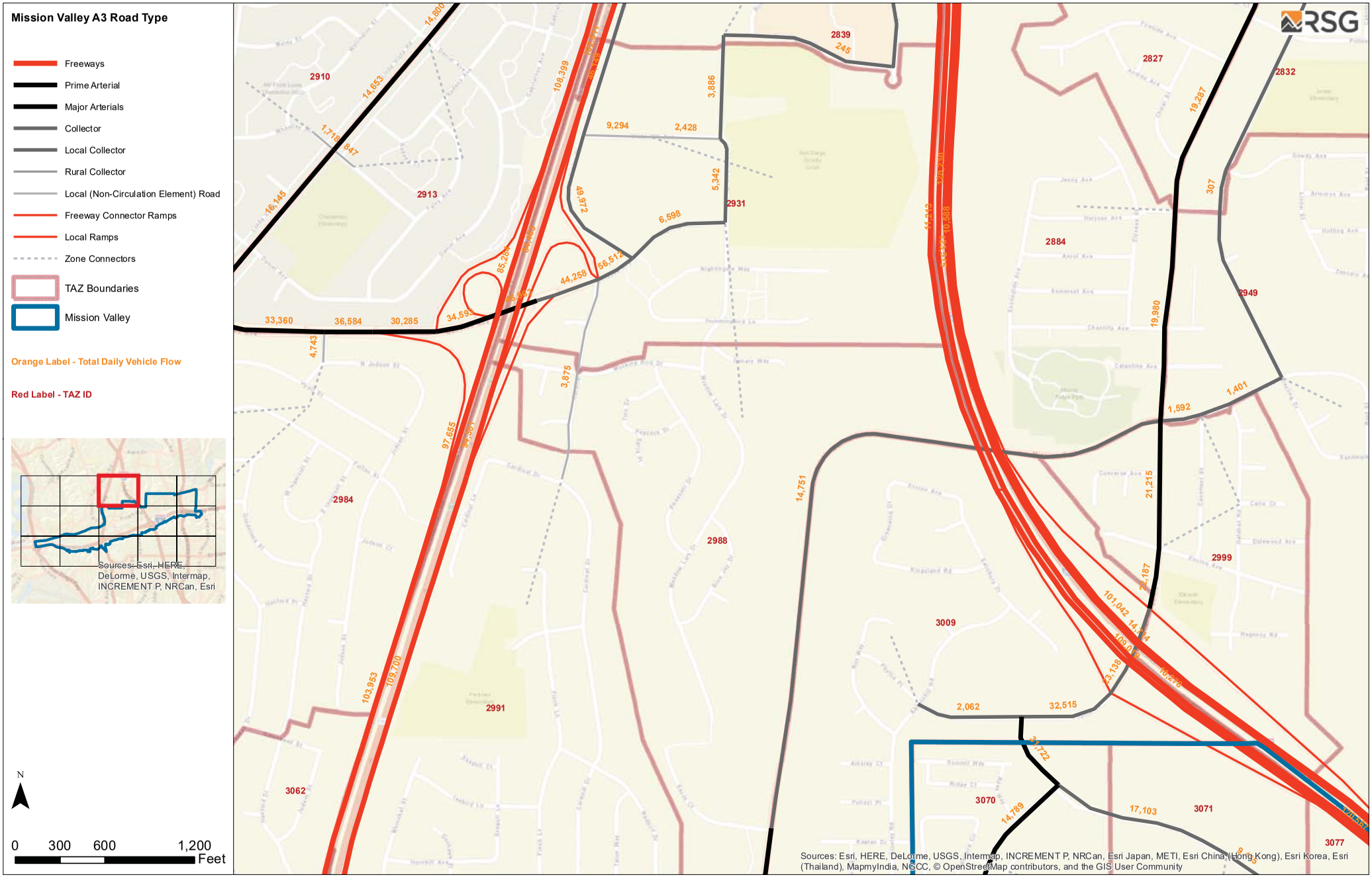
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ID	Selected?	Roadway	From	To	ADT, Day 1	ADT, Day 2	Average ADT	Count ID Match	2012 Counts	2012 Model	1st Manual Adjustment	2nd Manual Adjustment	Comments	Proposed ADT (Model)	Final (Proposed)
New	Yes	Fashion Valley Road	Riverwalk Drive	Levi-Cushman Street "B"			9982	#N/A	#N/A	7192	1565	0	No Adjustment	16323	17900
New	Yes	Fashion Valley Road	Levi-Cushman Street "B"	Hotel Circle North			9982	#N/A	#N/A	#N/A	1935	0	No Adjustment	20164	22100
80	Yes	Bachman Place	Hotel Circle South	MV Southern Boundary	9047	9223	9135	#N/A	#N/A	7659	1500	0	No Adjustment	19197	20700
81	Yes	Avenida Del Rio	Fashion Valley Parking Lot	Camino De La Reina	8496	8992	8744	11656	8744	7623	1100	0	No Adjustment	16922	18000
82	Yes	Ulric Street	Fashion Hills Boulevard	600 Feet South of Fashion Hills Boulevard	20818	19940	20379	#N/A	#N/A	19870	0	0	No Adjustment	25840	25800
83	Yes	Ulric Street	600 Feet South of Fashion Hills Boulevard	Friars Road	20437	20414	20426	#N/A	#N/A	20843	0	0	No Adjustment	27157	27200
84	Yes	Camino De La Siesta	Camino De La Reina	Camino Del Rio North	5078	5212	5145	#N/A	#N/A	1798	3000	0	No Adjustment	6452	9500
85	Yes	Metropolitan Drive	Mission Valley Road	Murray Canyon Road	3876	3810	3843	#N/A	#N/A	5079	-1200	0	No Adjustment - negative growth	11351	10200
86	Yes	Murray Canyon Road	Metropolitan Drive	Frazee Road	7310	7483	7397	#N/A	#N/A	7012	0	5000	Adjust to account for parallel facility and TAZ loading	335	5300
87	Yes	Frazee Road	Metropolitan Drive	Murray Canyon Road				#N/A	#N/A	#N/A		-5000	Adjust to account for parallel facility and TAZ loading	11111	6100
87	Yes	Frazee Road	Murray Canyon Road	Friars Road	14904	14440	14672	#N/A	#N/A	5385	9200	0	No Adjustment	11111	20300
88	Yes	Frazee Road	Friars Road	Hazard Center Drive	17369	16721	17045	16071	17150	11918	5100	0	No Adjustment	14122	19200
89	Yes	Mission Center Road	Murray Ridge Road	1200 Feet West of Murray Ridge Road	10979	10965	10972	#N/A	#N/A	11076	0	0	Adjustment- negative growth and new freeway conne	14751	14800
90	Yes	Mission Center Road	1200 Feet West of Murray Ridge Road	950 Feet North of Mission Valley Road	10725	10716	10721	#N/A	#N/A	11076	0	0	Adjustment- negative growth and new freeway conne	14751	14800
91	Yes	Mission Center Road	950 Feet North of Mission Valley Road	Mission Valley Road	10920	10958	10939	31283	10939	11076	0	0	Adjustment- negative growth and new freeway conne	14751	14800
92	Yes	Mission Center Road	Mission Valley Road	Westside Drive	14157	14172	14165	16081	15630	9642	4660	0	Adjustment- negative growth and new freeway conne	15564	20200
93	Yes	Mission Center Road	Westside Drive	Friars Road WB Ramps	25927	26109	26018	#N/A	#N/A	14862	11293	0	Adjustment- negative growth and new freeway conne	21676	33000
94	Yes	Mission Center Road	Friars Road WB Ramps	Friars Road EB Ramps	22383	23269	22826	1820	22826	16128	6835	0	Adjustment- negative growth and new freeway conne	18623	25500
95	Yes	Mission Center Road	Friars Road EB Ramps	Mission Center Court	19074	19866	19470	#N/A	#N/A	17438	0	0	Adjustment- negative growth and new freeway conne	22234	22200
96	Yes	Mission Center Road	Mission Center Court	Hazard Center Drive	19313	19577	19445	14725	18870	13940	3938	0	Adjustment- negative growth and new freeway conne	22088	26000
97	Yes	Mission Center Road	Hazard Center Drive	Camino De La Reina	27105	27020	27063	1818	19445	17716	7780	0	Adjustment- negative growth and new freeway conne	24318	32100
98	Yes	Mission Center Road	Camino De La Reina	Camino Del Rio North	23104	23456	23280	6902	23280	16814	4899	0	Adjustment- negative growth and new freeway conne	26529	31400
99	Yes	Auto Circle	Camino Del Rio North	I-8 EB Ramps	34141	34052	34097	16067	34097	29675	2855	0	Adjustment- negative growth and new freeway conne	37984	40800
100	Yes	Auto Circle	I-8 EB Ramps	Camino Del Rio South	21026	20925	20976	16066	20976	18448	961	0	Adjustment- negative growth and new freeway conne	16993	18000
New	Yes	Via Alta	Franlin Ridge Road	Civita Boulevard	1332	1350	1341	0	0	0	1300	0	No Adjustment	9640	10900
101	Yes	Via Alta	Civita Boulevard	Westside Drive	1332	1350	1341	#N/A	#N/A	0	1300	0	No Adjustment	5096	6400
102	Yes	Murray Ridge Road	Mission Center Road	I-805 NB Ramps	20301	19693	19997	#N/A	#N/A	17359	2600	0	No Adjustment	21215	23800
103	Yes	Murray Ridge Road	I-805 NB Ramps	I-805 SB Ramps	11826	11572	11699	#N/A	#N/A	10784	900	0	No Adjustment	23138	24000
104	Yes	Russell Park Way	Civita Boulevard	Friars Road	985	1057	1021	#N/A	#N/A	#N/A	0	0	No Adjustment	7459	7500
105	Yes	Camino Del Este	Rio San Diego Drive	Camino De La Reina	8380	8517	8449	18048	8449	7343	1100	0	No Adjustment	13075	14200
106	Yes	Camino Del Este	Camino De La Reina	Camino Del Rio North	9672	10086	9879	#N/A	#N/A	6543	3300	0	No Adjustment	14820	18100
New	Yes	Franklin Ridge Road	Phyllys Place	Via Alta			0	#N/A	#N/A	#N/A	0	0	No Adjustment	31722	31700
107	Yes	Franklin Ridge Road	Via Alta	Civita Boulevard			0	#N/A	#N/A	#N/A	0		No Adjustment	17103	17100
108	Yes	Qualcomm Way	Civita Boulevard	Friars Road WB Ramps			0	#N/A	#N/A	334	0	0	No Adjustment	19793	19800
109	Yes	Qualcomm Way	Friars Road WB Ramps	Friars Road EB Ramps	9226	9372	9299	#N/A	#N/A	4446	9290	0	No Adjustment	20941	30200
110	Yes	Qualcomm Way	Friars Road EB Ramps	Rio San Diego Drive	10014	10388	10201	9190	10201	7025	7613	0	No Adjustment	18733	26300
111	Yes	Qualcomm Way	Rio San Diego Drive	Camino Del Rio North	24223	24434	24329	#N/A	#N/A	28766	0	0	No Adjustment	42774	42800
112	Yes	Qualcomm Way	Camino Del Rio North	I-8 WB Ramps	23586	23532	23559	7964	36413	31540	0	0	No Adjustment	49338	49300
113	Yes	Qualcomm Way	I-8 WB Ramps	I-8 EB Ramps	36091	36735	36413	7964	36413	31540	4126	0	No Adjustment	49338	53500
114	Yes	Qualcomm Way	I-8 EB Ramps	Camino Del Rio South	25865	25789	25827	#N/A	#N/A	33771	-8691	0	No Adjustment	40766	32100
115	Yes	Texas Street	Camino Del Rio South	1400 Feet North of Madison Ave	29130	28977	29054	9887	29239	28307	0	0	No Adjustment	33113	33100
116	Yes	Texas Street	1400 Feet North of Madison Ave	Madison Avenue	29443	29034	29239	#N/A	#N/A	24605	3887	0	No Adjustment	29260	33100
117	Yes	Texas Street	Madison Avenue	Meade Ave	17053	17121	17087	#N/A	#N/A	16481	0	0	No Adjustment	20292	20300
118	Yes	Texas Street	Meade Ave	El Cajon Boulevard	14365	14260	14313	#N/A	#N/A	10527	3180	0	No Adjustment	12387	15600
119	Yes	River Run Drive	Friars Road	Rio San Diego Drive	4166	3893	4030	#N/A	#N/A	5542		0	No Adjustment	4120	4100

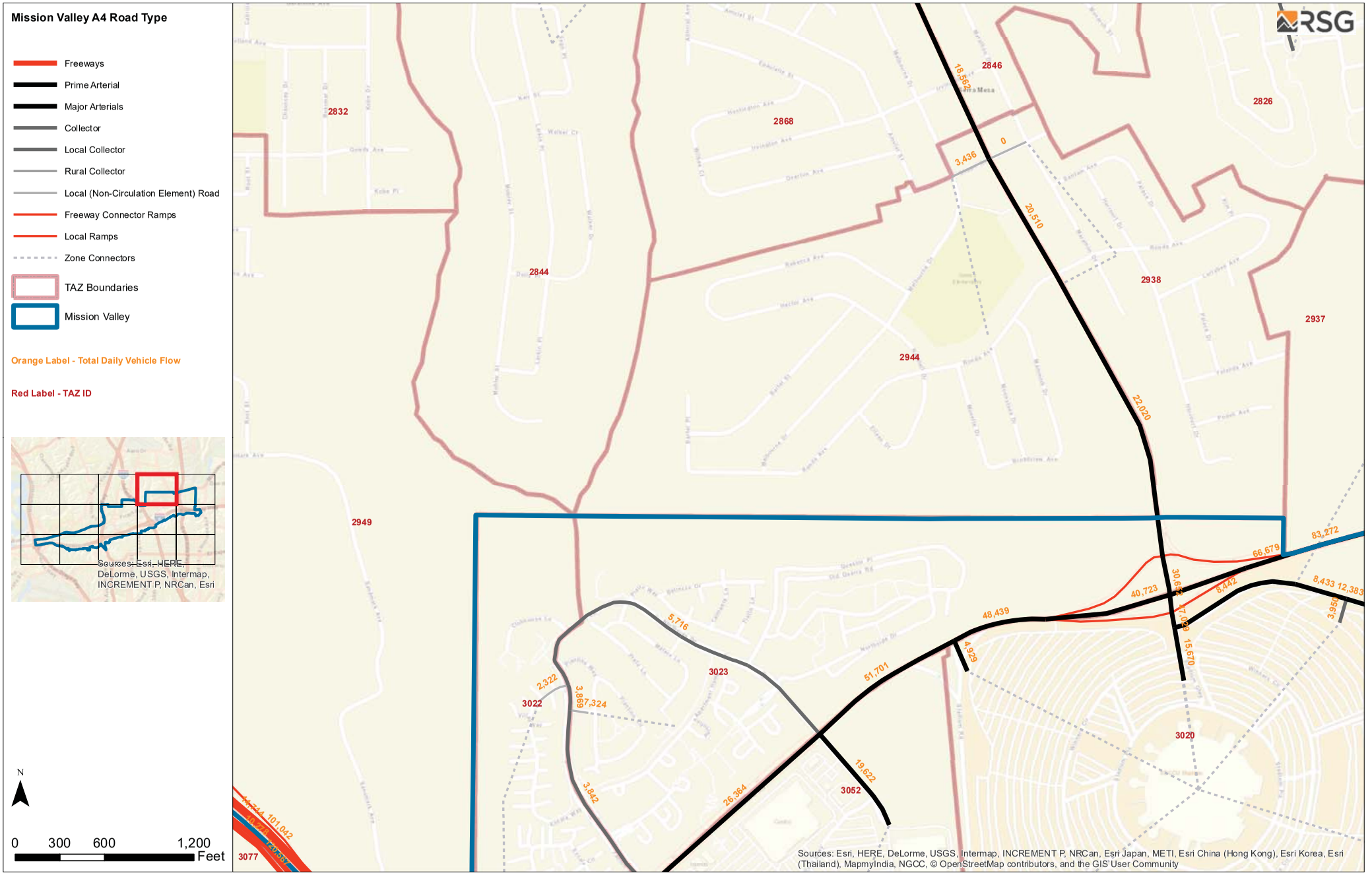
ID			Segment		2015			Base Year Model (Alt H)				CPU			
ID	Selected?	Roadway	From	To	ADT, Day 1	ADT, Day 2	Average ADT	Count ID Match	2012 Counts	2012 Model	1st Manual Adjustment	2nd Manual Adjustment	Comments	Proposed ADT (Model)	Final (Proposed)
120	Yes	Fenton Parkway	Portofino Driveway	Friars Road	4094	4135	4115	1815	4115	5276	1100	0	No Adjustment - negative growth	3842	4900
121	Yes	Fenton Parkway	Friars Road	Rio San Diego Drive	12703	12521	12612	5055	12612	9096	3500	0	No Adjustment	12346	15800
122	Yes	Fenton Parkway	Rio San Diego Drive	Del Rio Apartments Driveway	5548	5247	5398	#N/A	#N/A	0	0	0	No Adjustment	9259	9300
New	Yes	Fenton Parkway	Del Rio Apartment Driveway	New Street I				#N/A	#N/A	#N/A	0			9259	9300
New	Yes	Fenton Parkway	New Street I	Camino Del Rio North				#N/A	#N/A	#N/A	0	0	No Adjustment	13871	13900
123	Yes	Mission City Parkway	Camino Del Rio North	Camino Del Rio South	6580	6277	6429	3904	6428	10314	-3900	0	No Adjustment	14915	11000
124	Yes	Northside Drive	Portofino Driveway	Friars Road	6556	6628	6592	5056	6592	7221	-700	0	No Adjustment	5716	5000
125	Yes	Northside Drive	Friars Road	Fenton Marketplace Driveway	20223	20399	20311	16090	19398	14318	5000		No Adjustment	19622	24600
126	Yes	Northside Drive	Fenton Marketplace Driveway	Lowe's Frontage Road	15729	16058	15894	16090	19398	14318			no adjustment - readjusted based on existing pattern	19622	19600
127	Yes	Mission Village Drive	Ronda Avenue	Friars Road WB Ramps	16813	17628	17221	15759	17221	21196	-4000	0	No Adjustment	22020	18000
128	Yes	Mission Village Drive	Friars Road WB Ramps	Friars Road EB Ramps	14355	12970	13663	15760	13663	14323	0	0	No Adjustment	30652	30700
129	Yes	Rancho Mission Road	Friars Road	San Diego Mission Road	13271	12366	12819	4492	12819	10997	1800	0	No Adjustment	14310	16100
130	Yes	Rancho Mission Road	San Diego Mission Road	Camino Del Rio North	9511	9644	9578	14771	9578	7979	1600	0	No Adjustment	17617	19200
131	Yes	Santo Road	Northern Terminus	Friars Road	6205	6523	6364	9305	6360	12605	-6200	0	No Adjustment	21873	15700
132	Yes	Riverdale Street	Zion Road	Friars Road	2792	2743	2768	36131	2770	4216	-1400	0	No Adjustment	3585	2200
133	Yes	Riverdale Street	Friars Road	Vandever Avenue	8824	8984	8904	15419	8900	7338	1600	0	No Adjustment	24844	26400
134	Yes	Mission Gorge Road	Friars Road	Camino Del Rio North	14742	14684	14713	#N/A	#N/A	14054	0	0	No Adjustment	22607	22600
135	Yes	Fairmount Avenue	Camino Del Rio North/I-8 WB Offramp	I-8 EB Offramp	40053	40370	40212	#N/A	#N/A	47333	-6000	0	No Adjustment	59339	53300
136	Yes	Fairmount Avenue	I-8 EB Offramp	Camino Del Rio South	81276	84480	82878	1574	82880	80189	2700	0	No Adjustment	90608	93300
New	Yes	Riverwalk Drive	Colusa Street	Via Las Cumbres			0	#N/A	#N/A	#N/A	0	0	No Adjustment	2828	2800
New	Yes	Riverwalk Drive	Via Las Cumbres	Fashion Valley Road			0	#N/A	#N/A	#N/A	0	0	No Adjustment	2980	3000
New	Yes	Riverwalk Drive	Fashion Valley Road	Avenida Del Rio			0	16013	6950	7623	-700	0	No Adjustment	14648	13900
New	Yes	Riverwalk Drive	Avenida Del Rio	Hazard Center W. Driveway			0	#N/A	#N/A	#N/A	#N/A	0	No Adjustment	10271	10300
New	Yes	Levi-Cushman Street "B"	Via Las Cumbres	Fashion Valley Road			0	#N/A	#N/A	#N/A	#N/A	0	No Adjustment	13147	13100
New	Yes	Goshen St	Linda Vista Road	Riley Street							0		No Adjustment	4280	4300
New	Yes	Goshen St	Riley Street	Friars Road							0		No Adjustment	3295	3300
New	Yes	Goshen St	Friars Road	Southern End							0		No Adjustment	2261	2300
New	Yes	"New Street I"	Fenton Parkway	Eastern Terminus							0		No Adjustment	11854	11900
New	Yes	Frazee Extension	Mission Valley Road	Murray Canyon Road								-5000	Assumed 1/2 goes to Metropolitan Drive	11111	6100
New	Yes	Gill Village Way	Friars Road	Rio San Diego Drive									No Adjustment	5684	5700
New	Yes	Rio Bonito Way	Friars Road	Rio San Diego Drive									No Adjustment	4006	4000

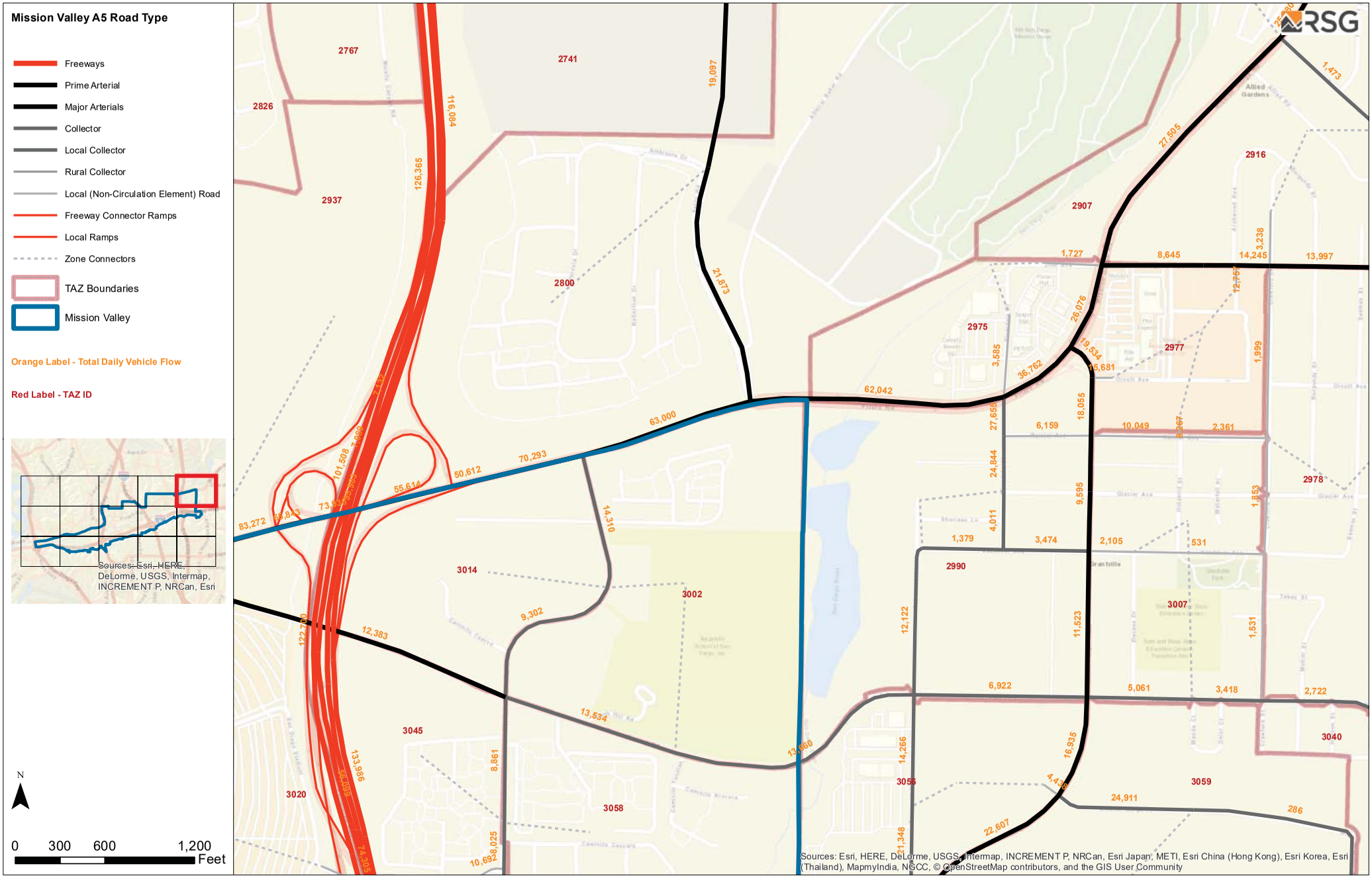
Preferred Alternative Model Outputs

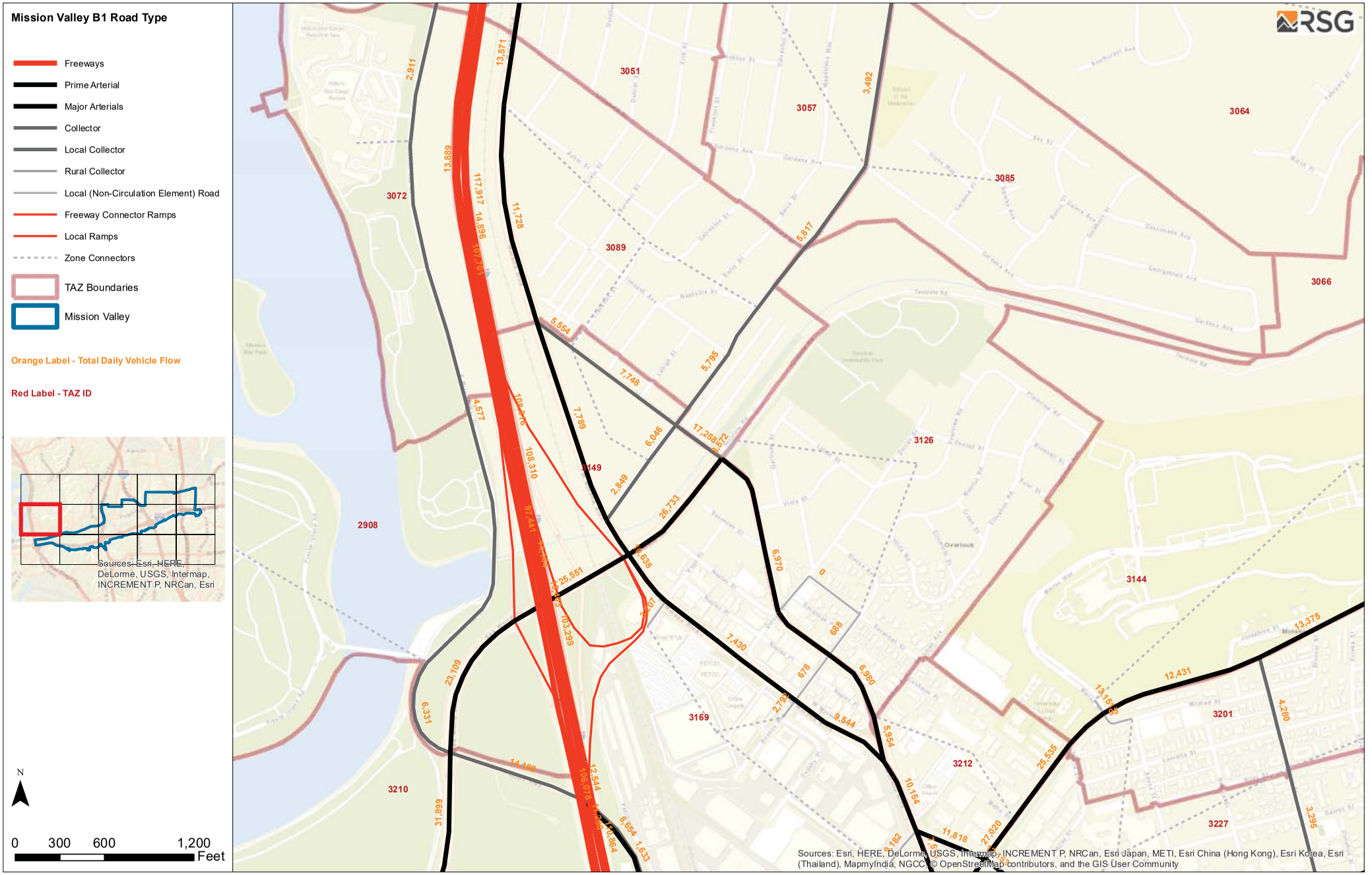

Mission Valley A1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2896
2853
2879
2823
2888
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2908
2989
2982
2951
2917
3018
3051
3057
3064
3072
899
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5,329
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4,749
12,579
13,107
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2,541
1,336
3,441
2,051
3,492
4,677
105,571
107,701
11,039
13,571
2,911
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

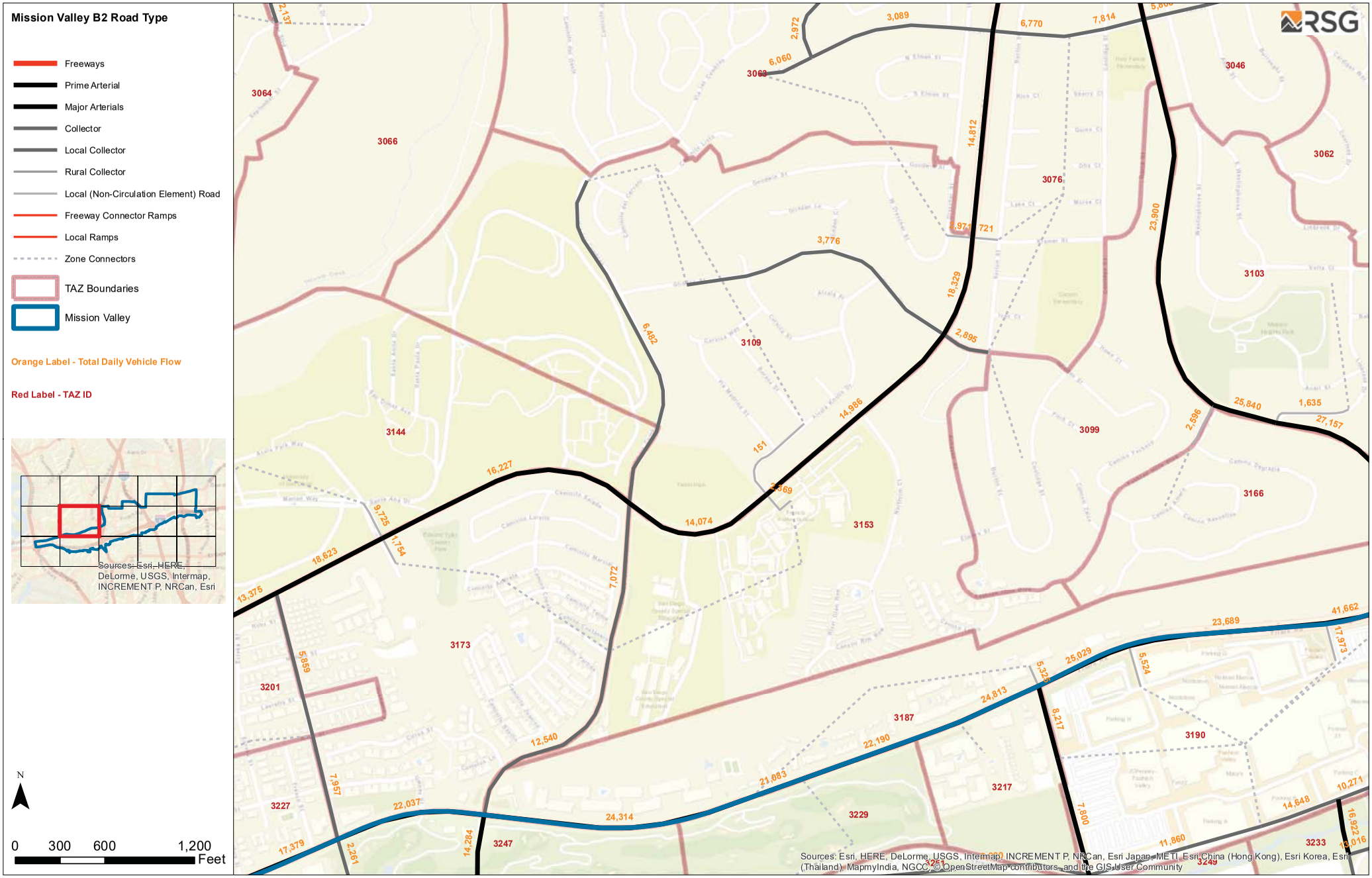

Mission Valley A2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
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2796
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2909
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2918
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2984
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3015
3046
3066
3063
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3,814
16,600
9,168
14,492
5,529
1,947
10,726
2,318
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2,972
13,451
12,335
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

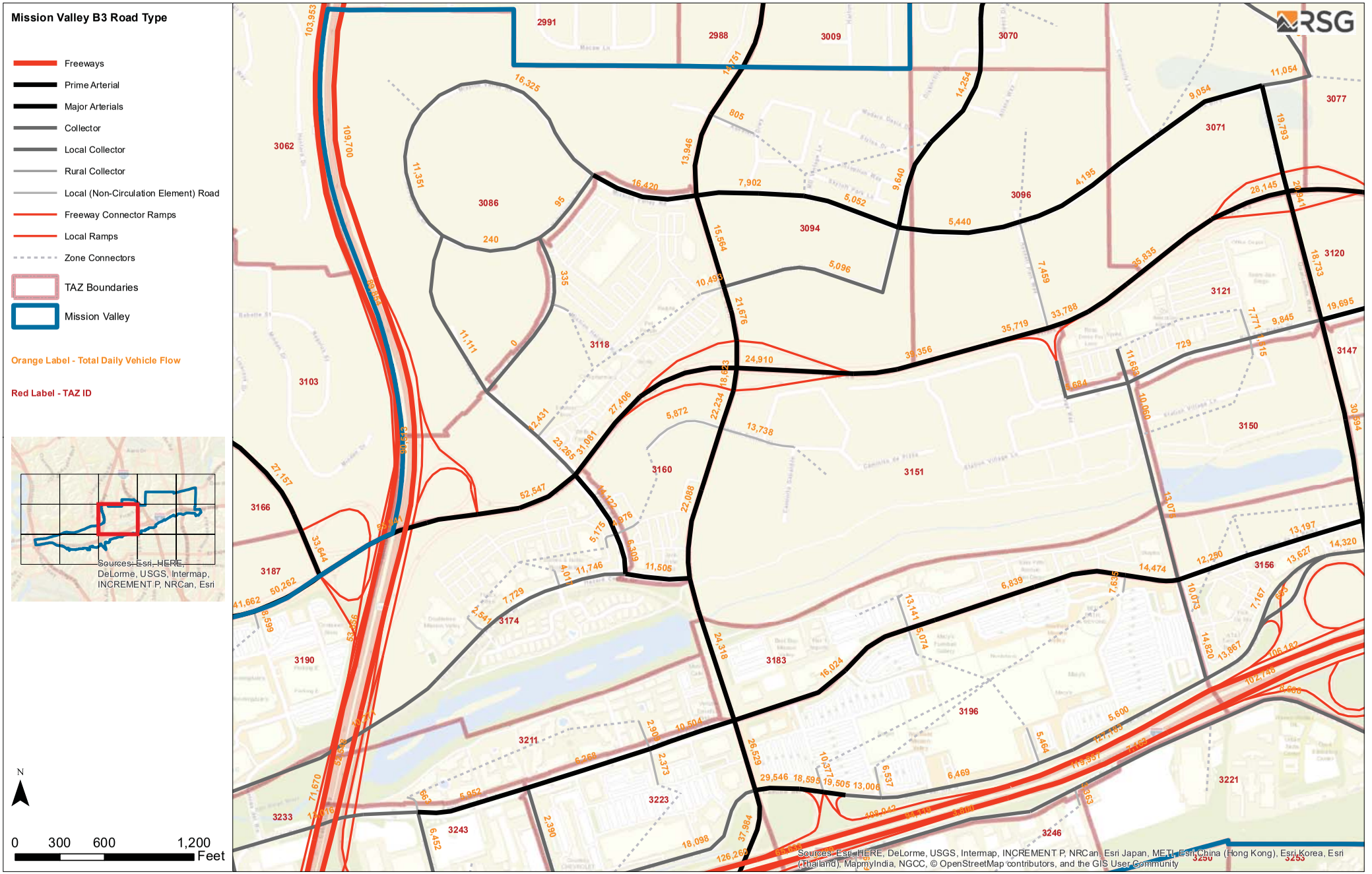

Mission Valley A3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2910
2913
2839
245
2827
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14,769
17,103
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

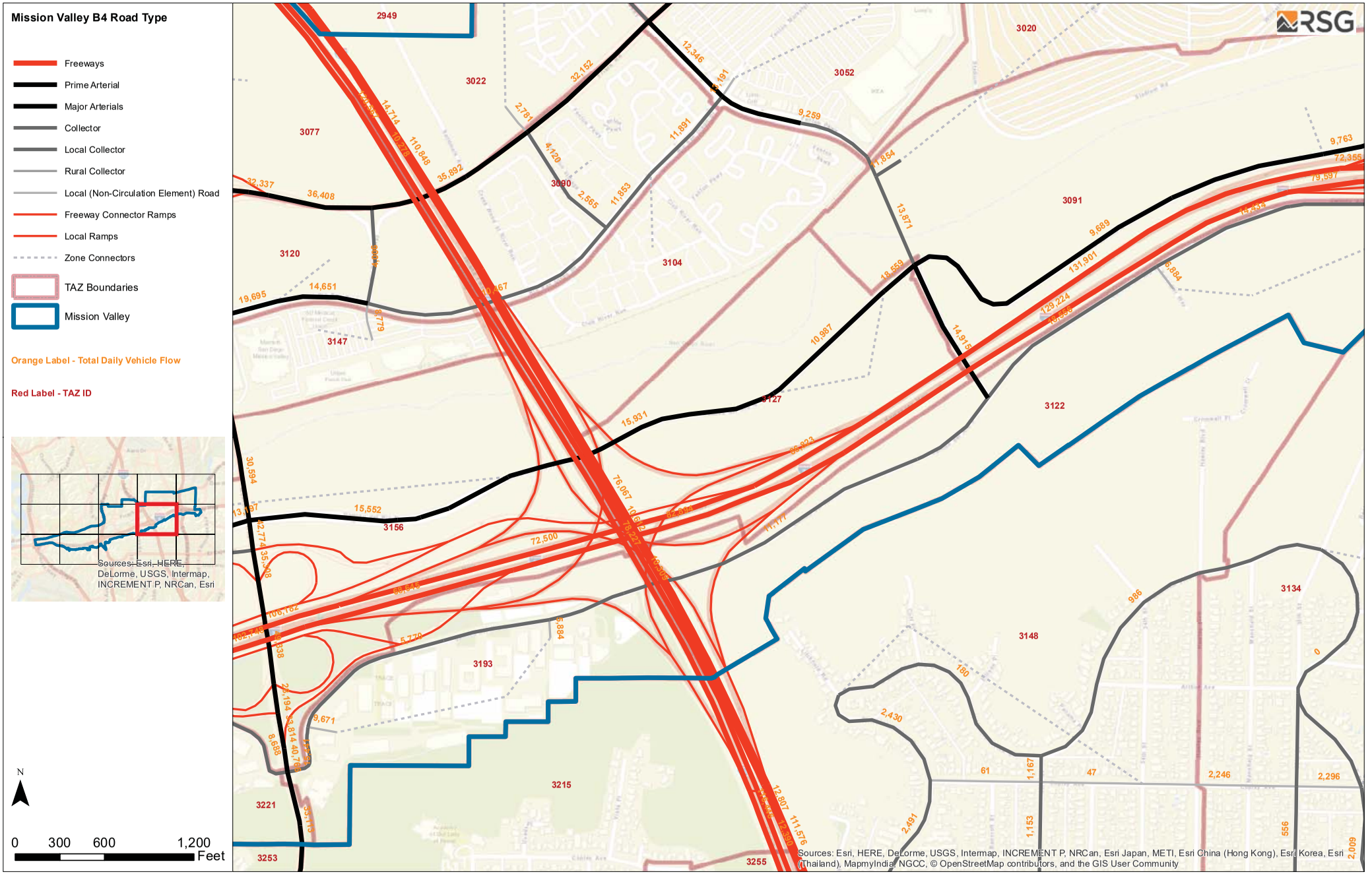

Mission Valley A4 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2832
2846
2826
2868
2844
2938
2937
2944
2949
3023
3022
3020
3052
3077
18,562
0
3,436
20,510
22,020
83,272
66,679
40,723
30,634
17,049
8,442
8,433
12,383
3,954
48,439
4,929
15,670
51,701
5,716
2,322
3,869
7,324
3,842
26,364
19,622
101,042
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

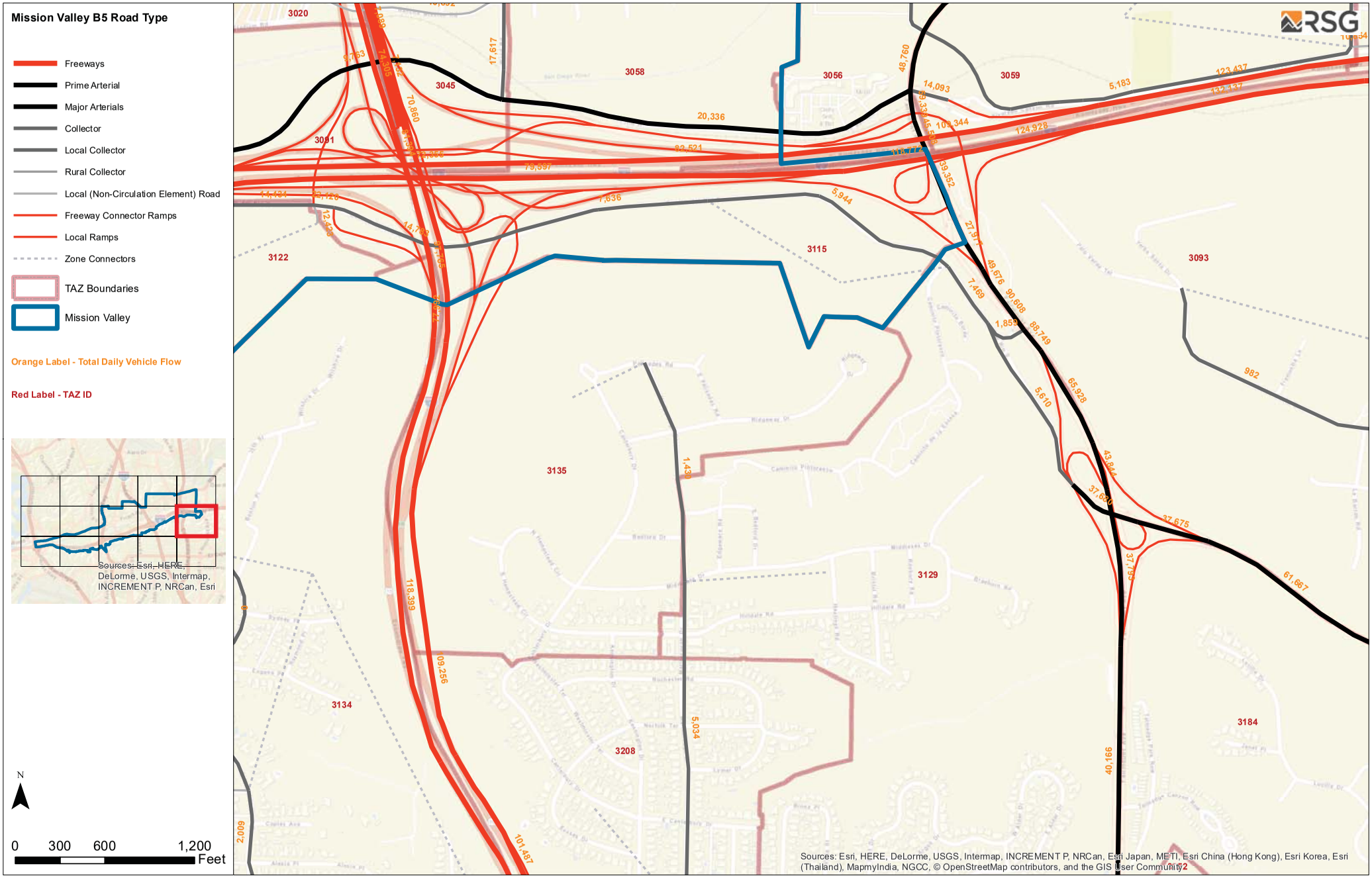

Mission Valley A5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2767
2741
2826
2937
2800
2907
2916
2975
2977
2978
2990
3007
3014
3002
3045
3020
3058
3056
3059
3040
116,084
126,365
19,097
21,873
27,505
1,727
8,645
14,245
13,997
26,076
19,534
36,762
62,042
63,000
70,293
50,612
55,614
83,272
14,310
9,302
12,383
13,534
133,986
8,861
10,692,025
74,303
6,159
10,049
2,361
1,379
3,474
2,105
531
6,922
5,061
3,418
2,722
24,911
22,607
286
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

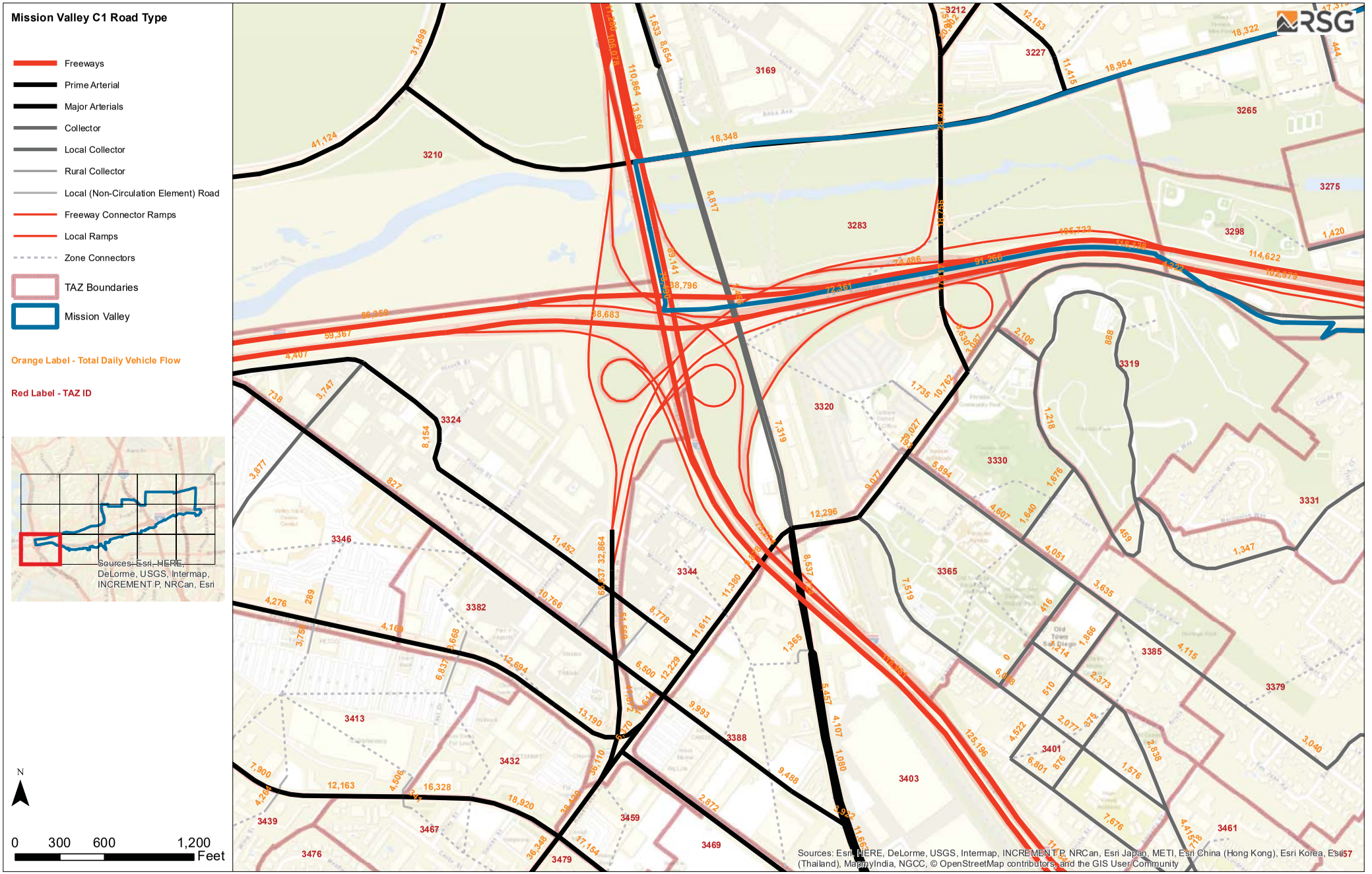

Mission Valley B1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
3051
3057
3064
3085
3072
3089
3066
3126
3149
2908
3144
3169
3201
3212
3210
3227
117,917
14,896
107,701
108,310
97,441
103,299
25,551
106,078
17,258
12,544
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

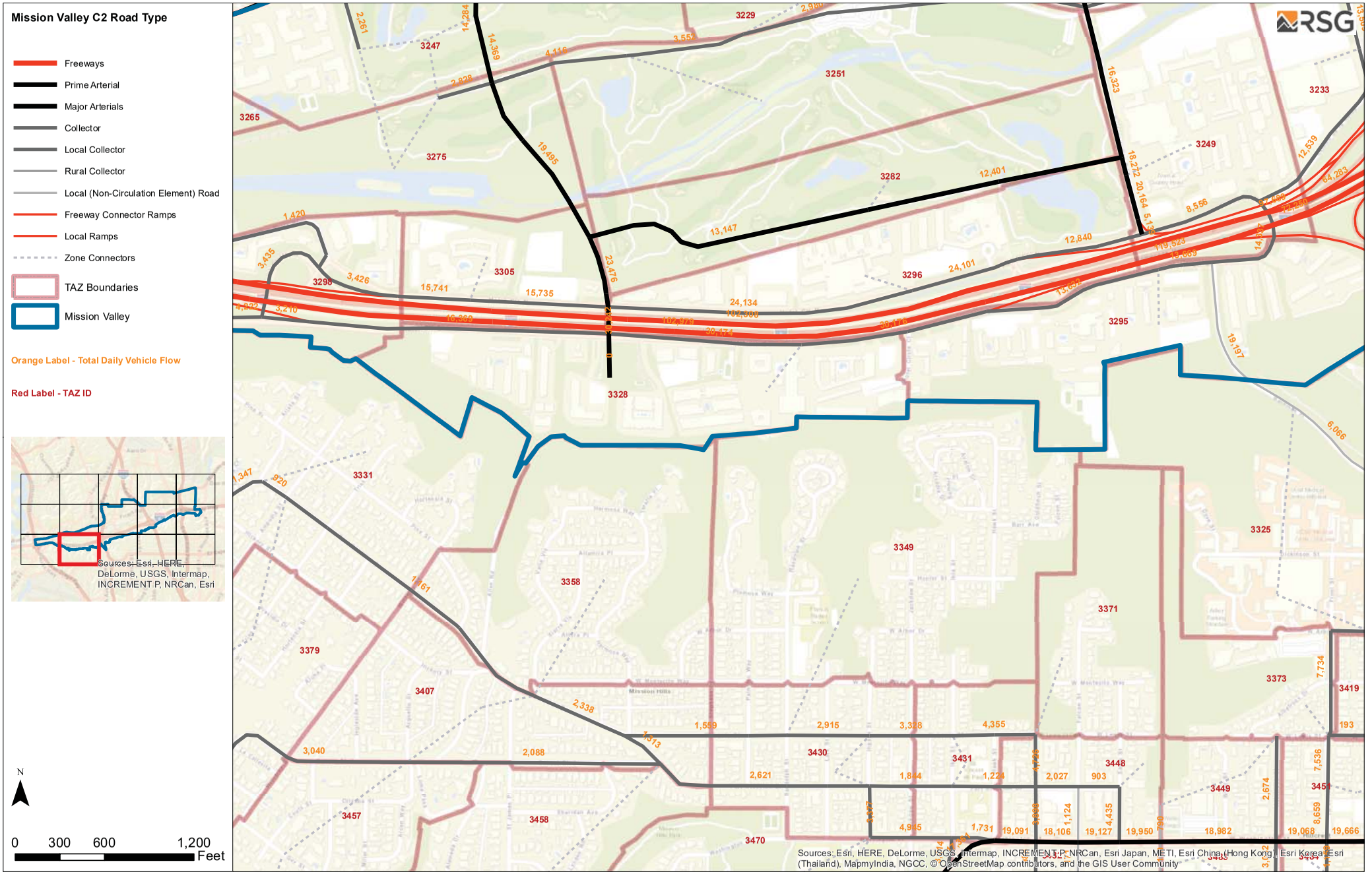

Mission Valley B2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
3064
3066
3063
3046
3062
3076
3103
3109
3144
3099
3166
3153
3173
3201
3187
3190
3227
3217
3229
3247
3233
3249
3,089
6,770
7,814
6,060
2,972
14,812
3,776
18,329
6,482
2,895
14,986
23,900
25,840
1,635
27,157
2,596
16,227
151
3,769
14,074
9,725
1,754
18,623
13,375
7,072
5,859
7,957
22,037
2,261
17,379
14,284
12,540
24,314
21,083
22,190
24,813
5,323
25,029
5,524
8,217
7,800
23,689
41,662
17,973
14,648
10,271
11,860
16,922
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

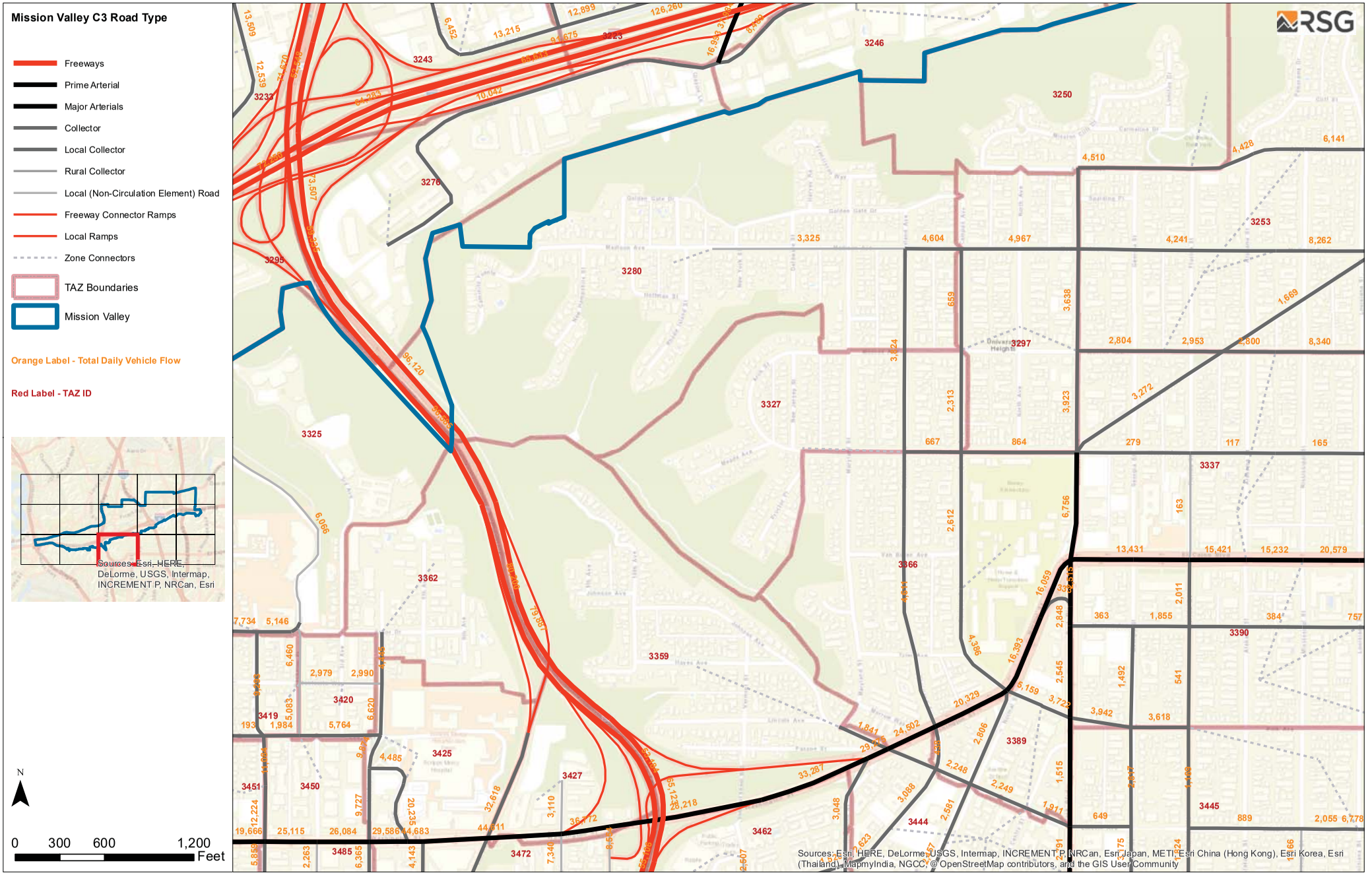

Mission Valley B3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

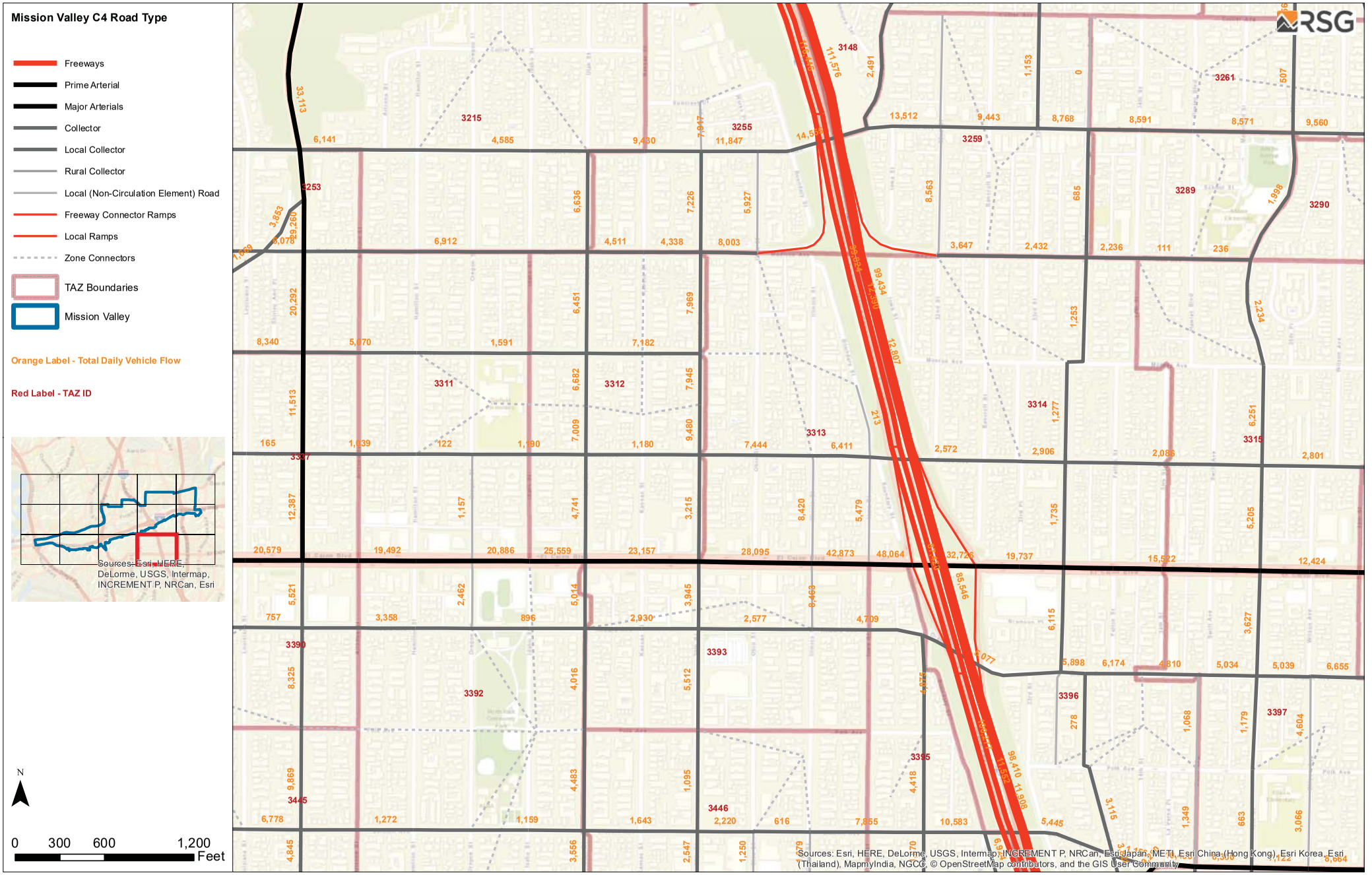

Mission Valley B4 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2949
3020
3022
3052
3077
3091
3120
3104
3147
3122
3127
3156
3148
3134
3193
3215
3221
3253
3255
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

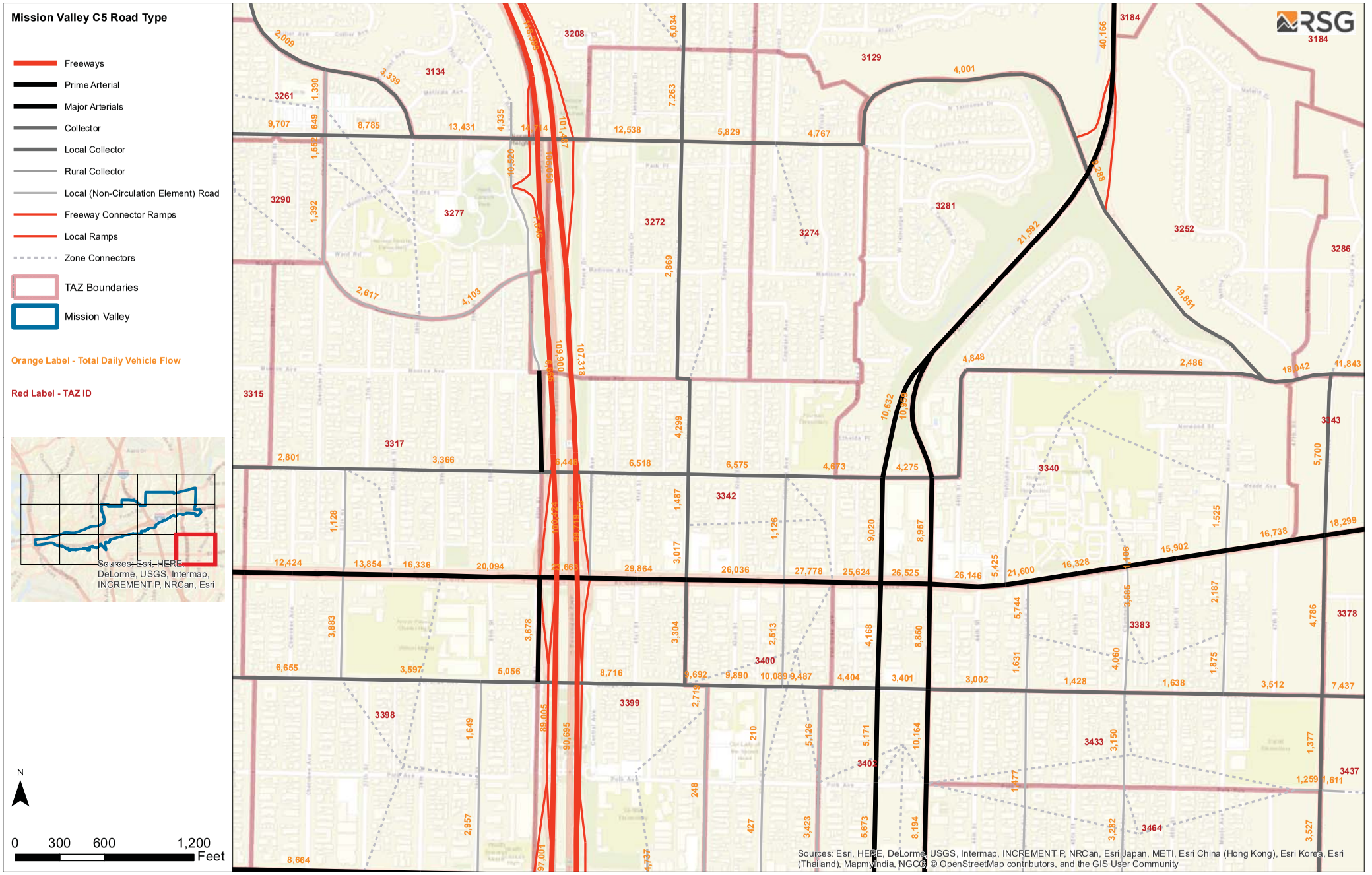

Mission Valley B5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
3020
3045
3058
3056
3059
3091
3122
3115
3093
3135
3129
3134
3208
3184
982
20,336
83,521
75,597
7,636
5,944
7,469
1,855
1,439
5,034
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C4 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

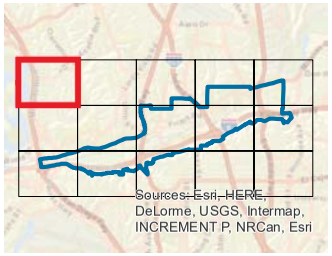

Mission Valley C5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Mapmyindia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley A1 Lane Configuration

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

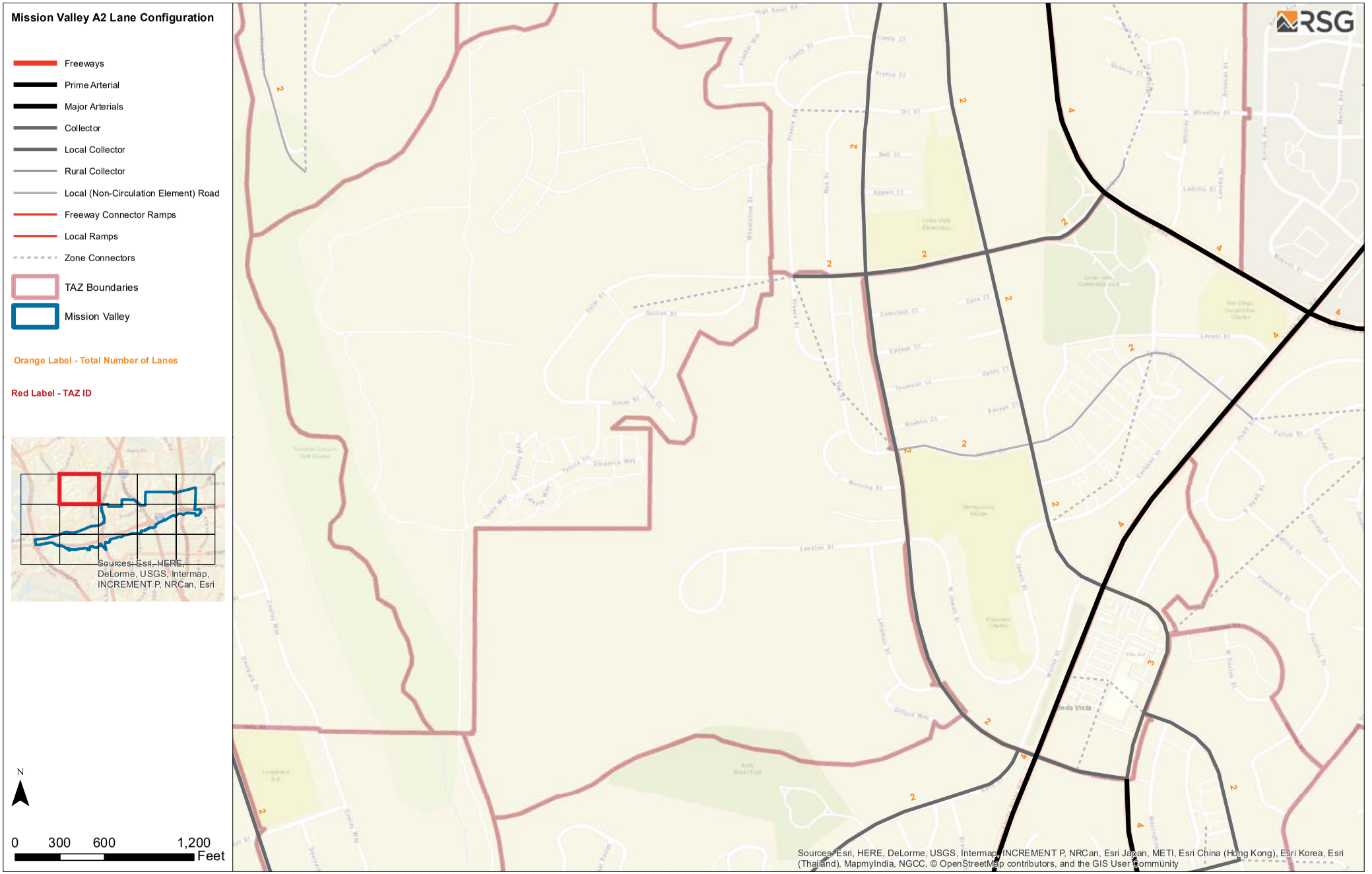


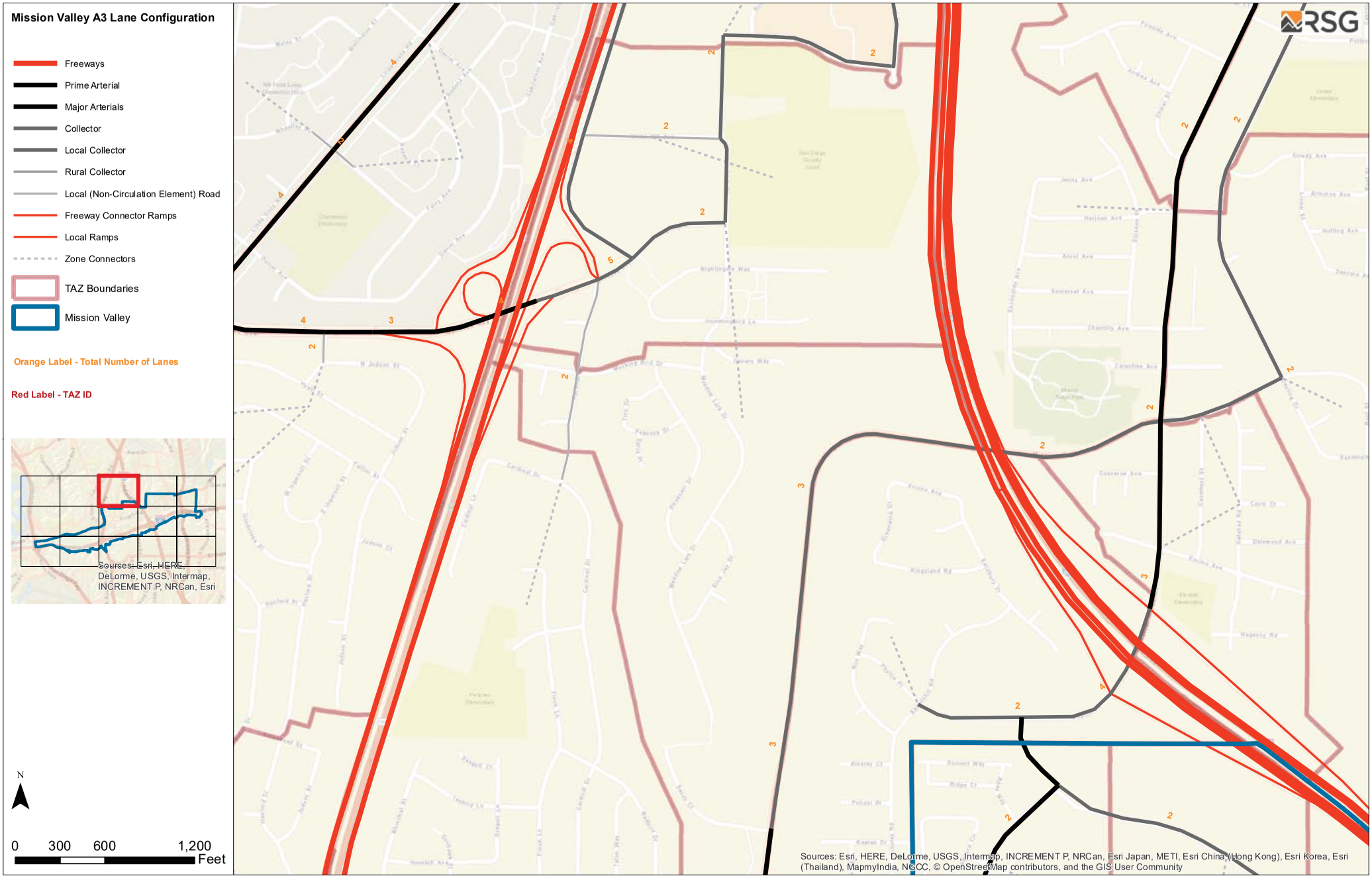
N

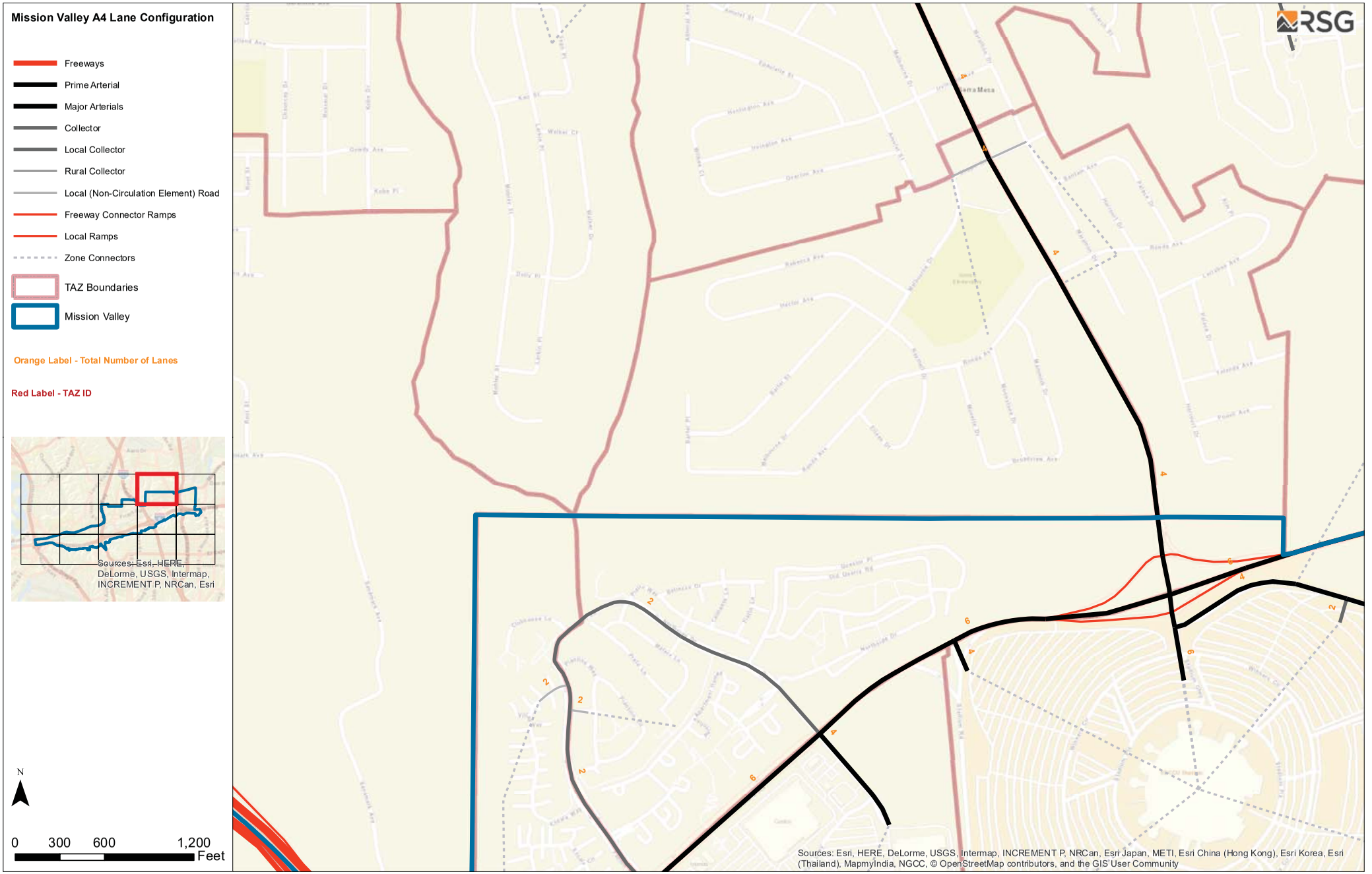
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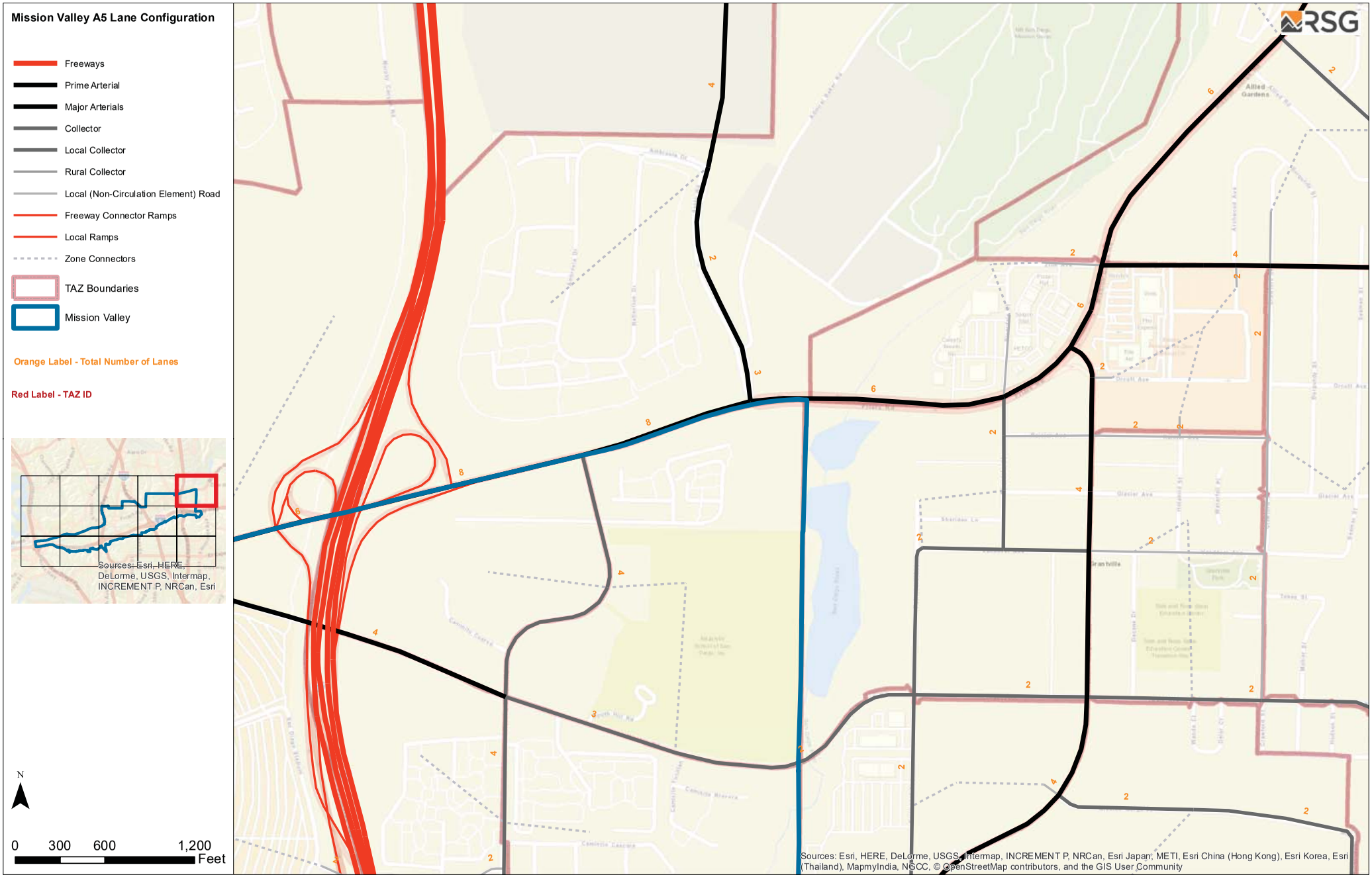
RSG

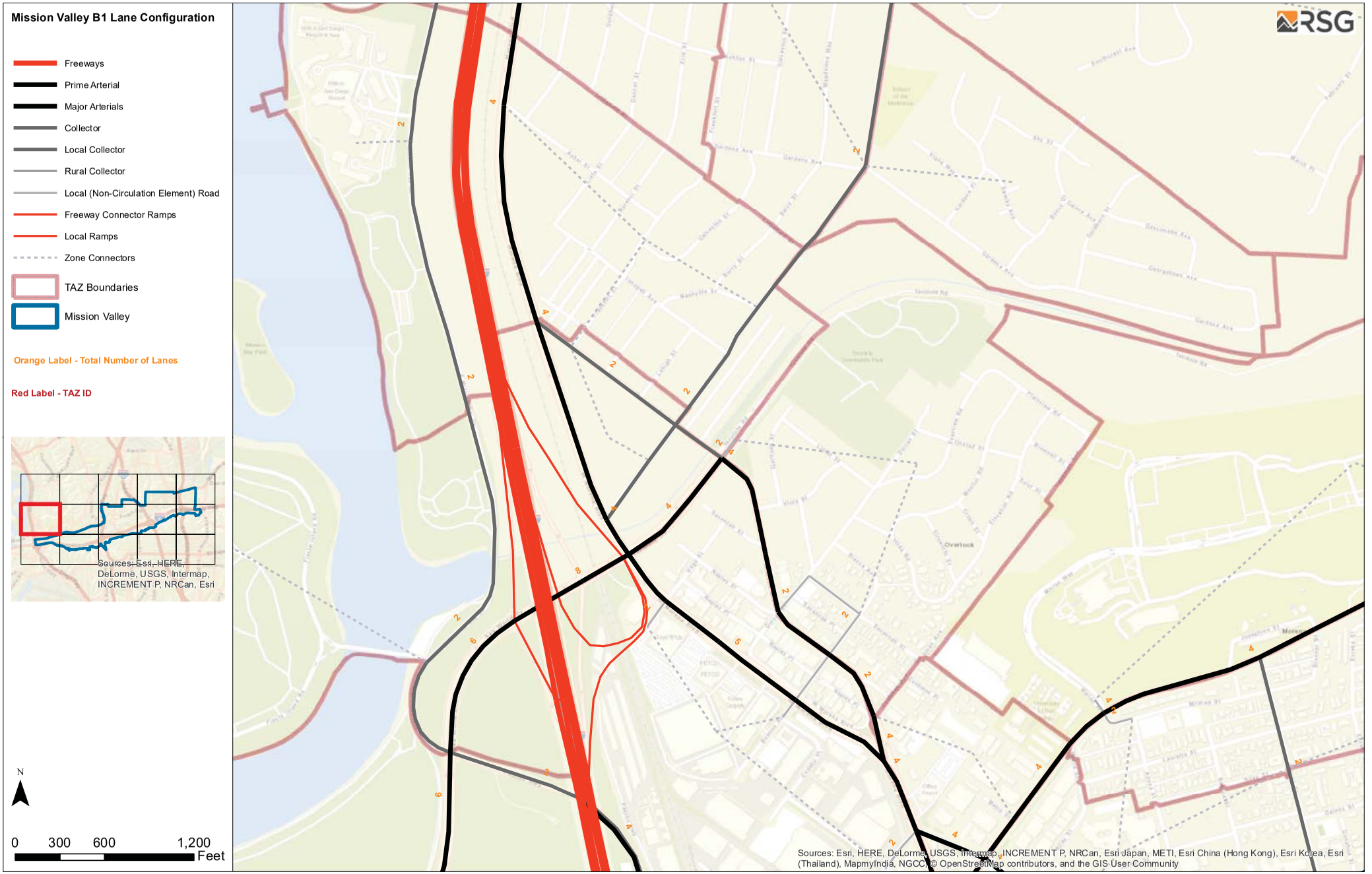
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A2 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A3 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A4 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A5 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

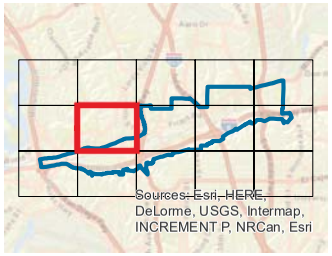

Mission Valley B1 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley B2 Lane Configuration

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

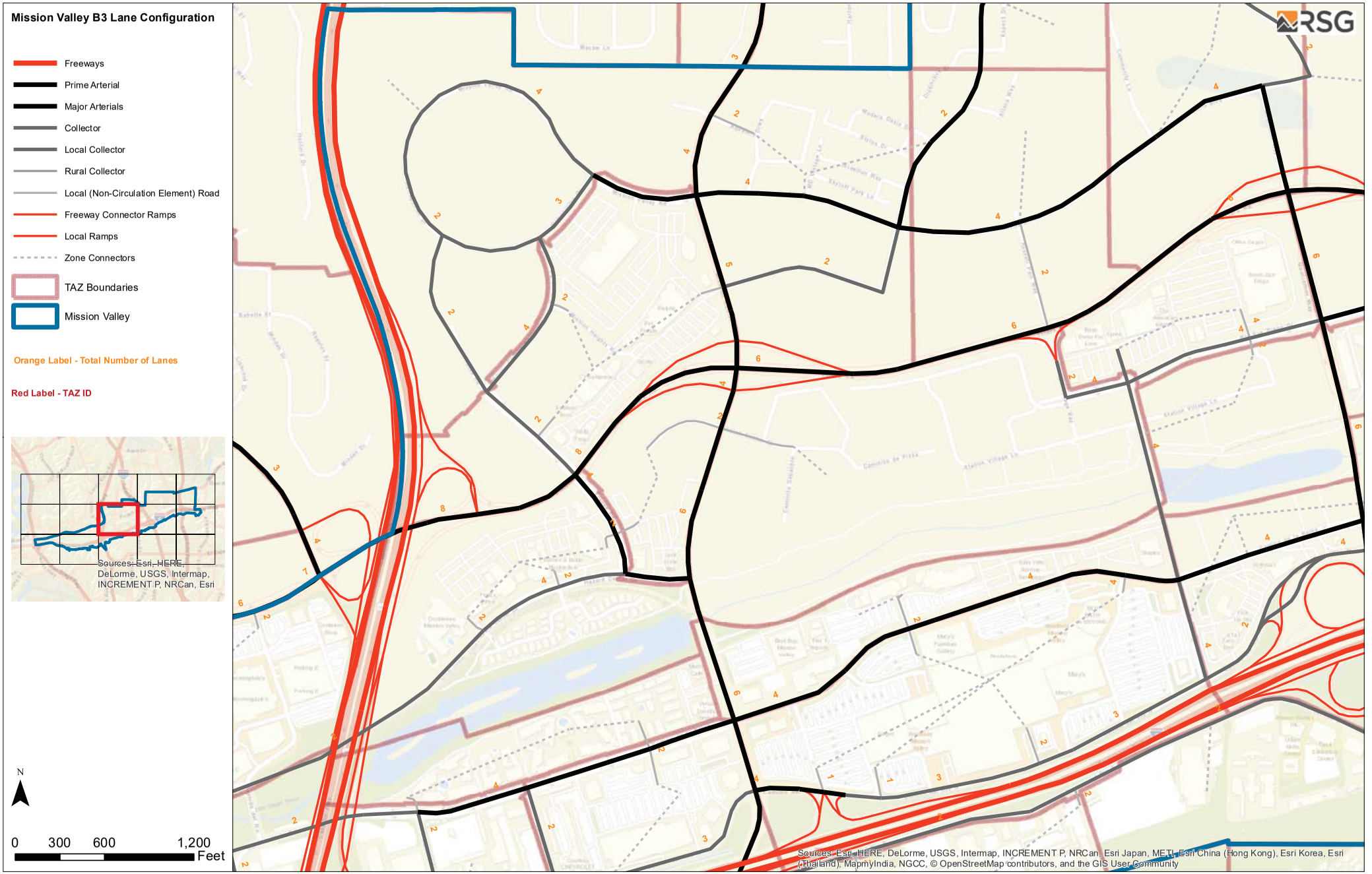


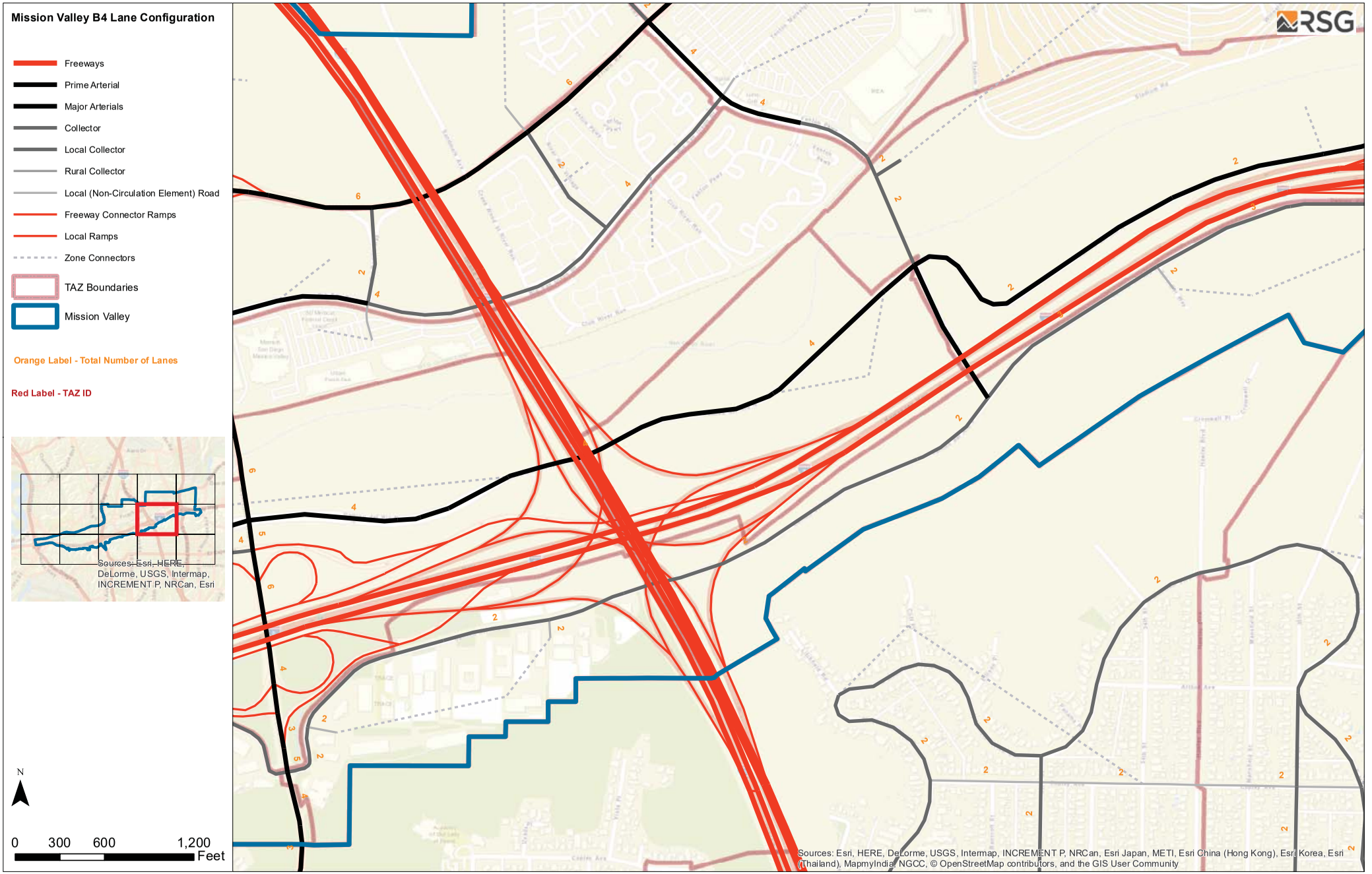
N

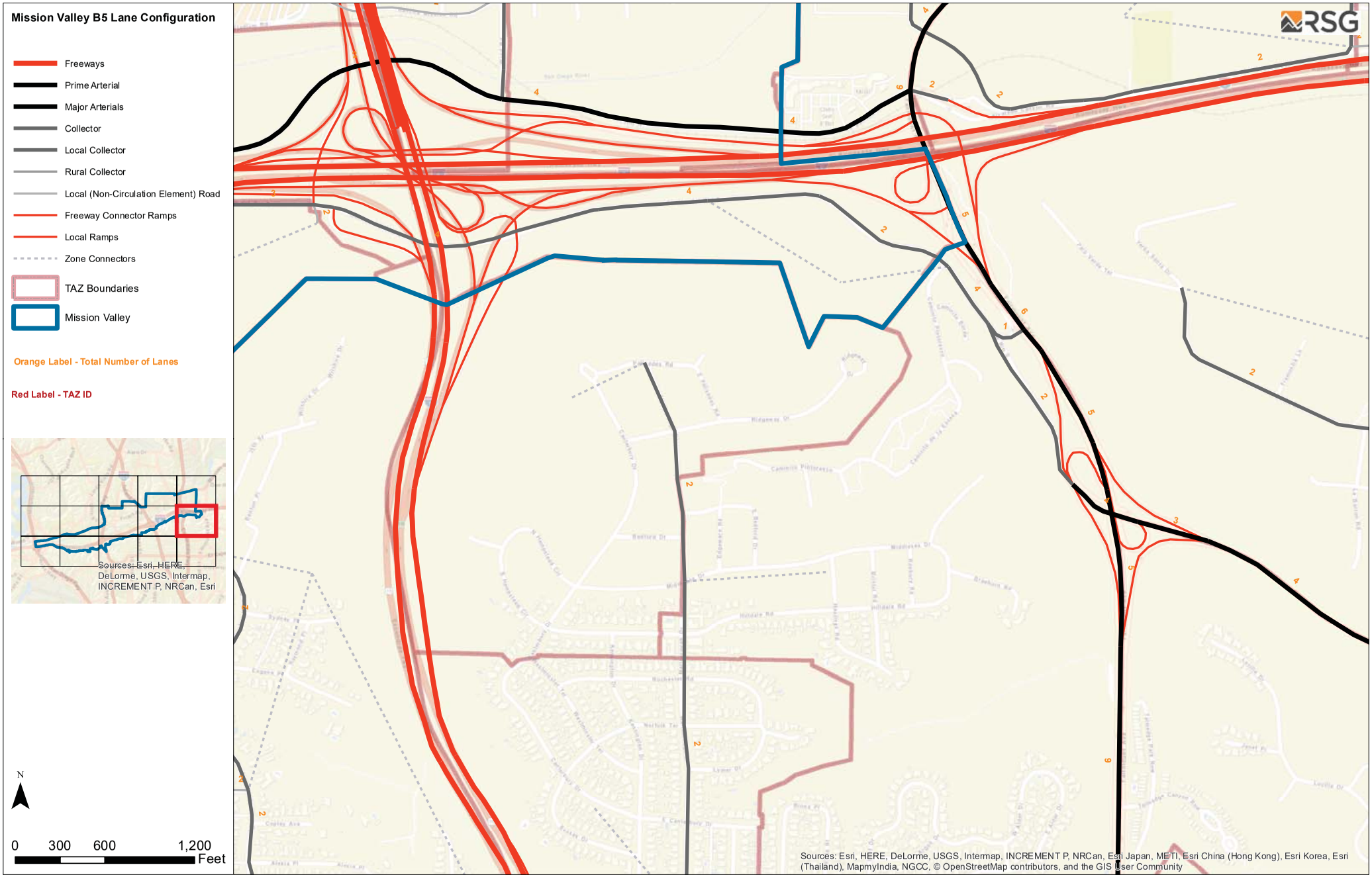
0 300 600 1,200 Feet

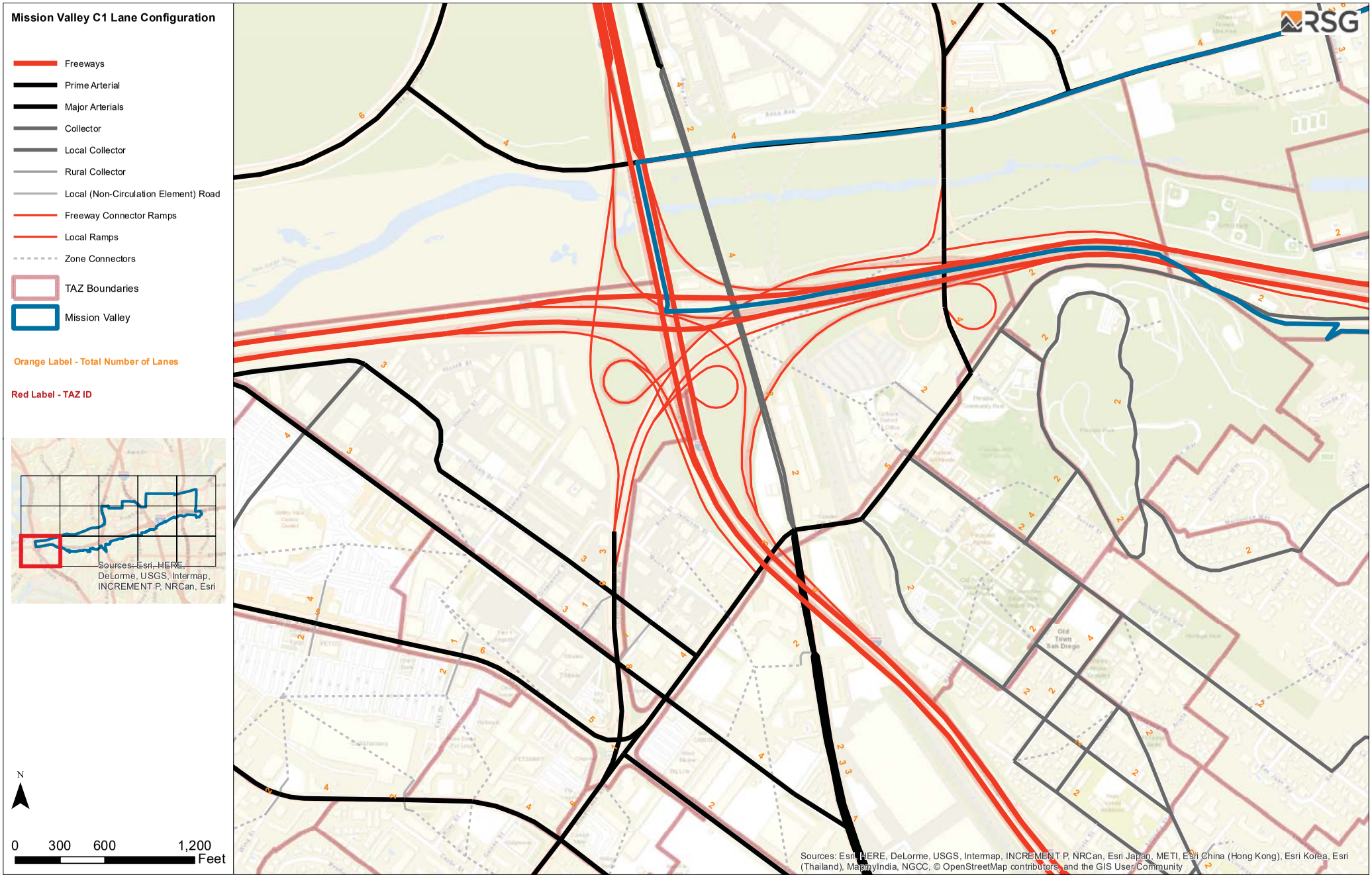
RSG

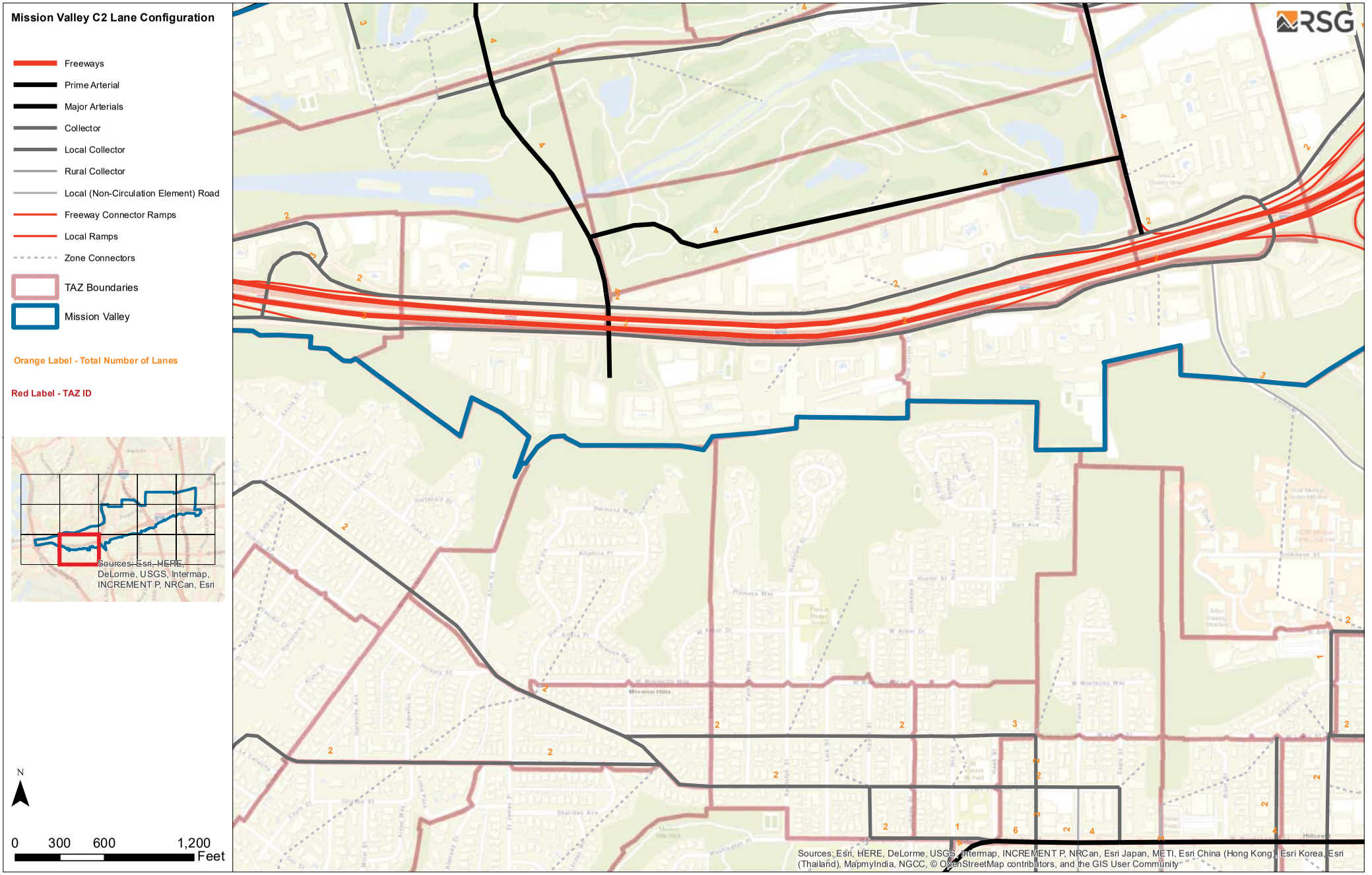
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

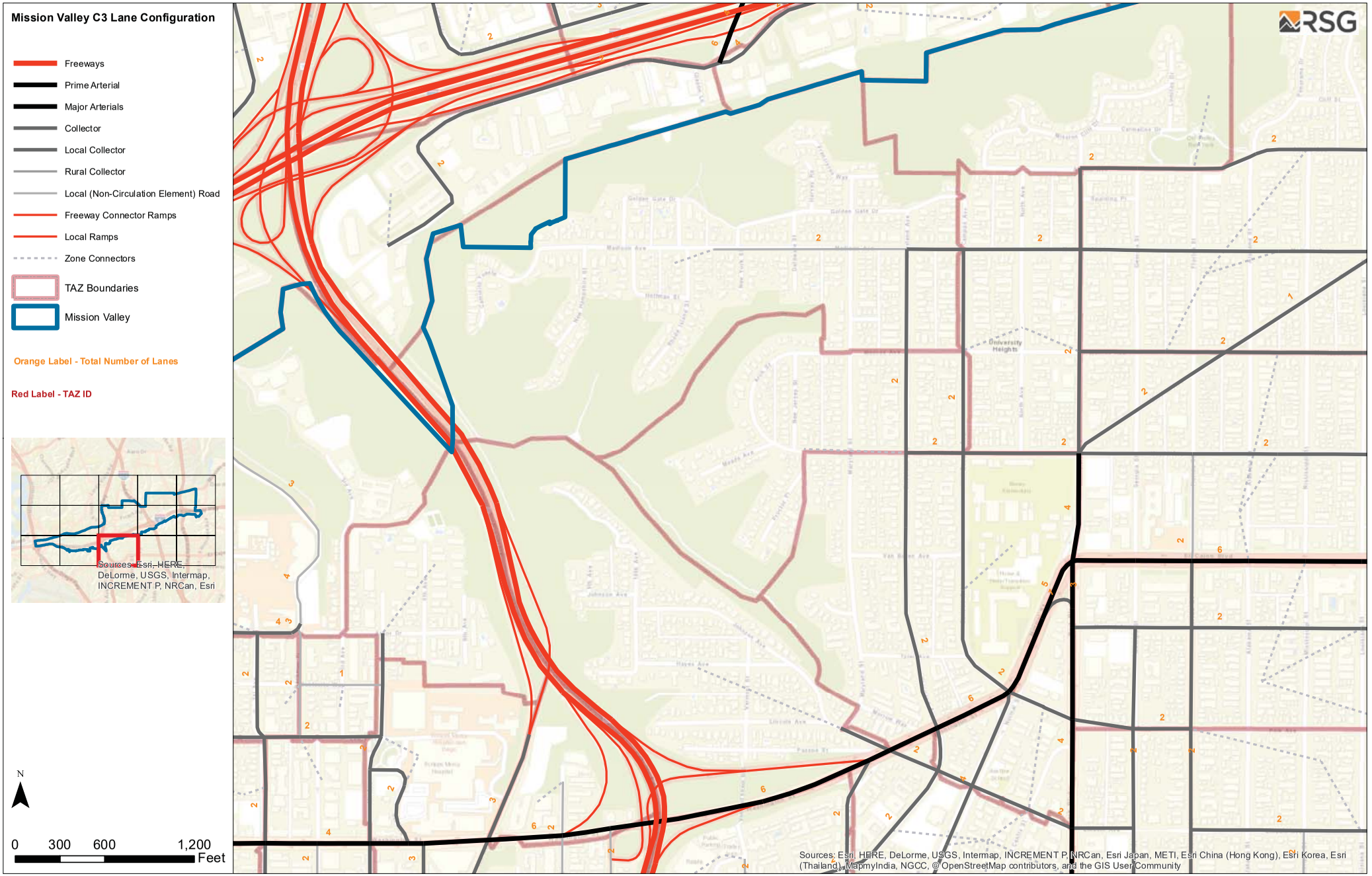

Mission Valley B3 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

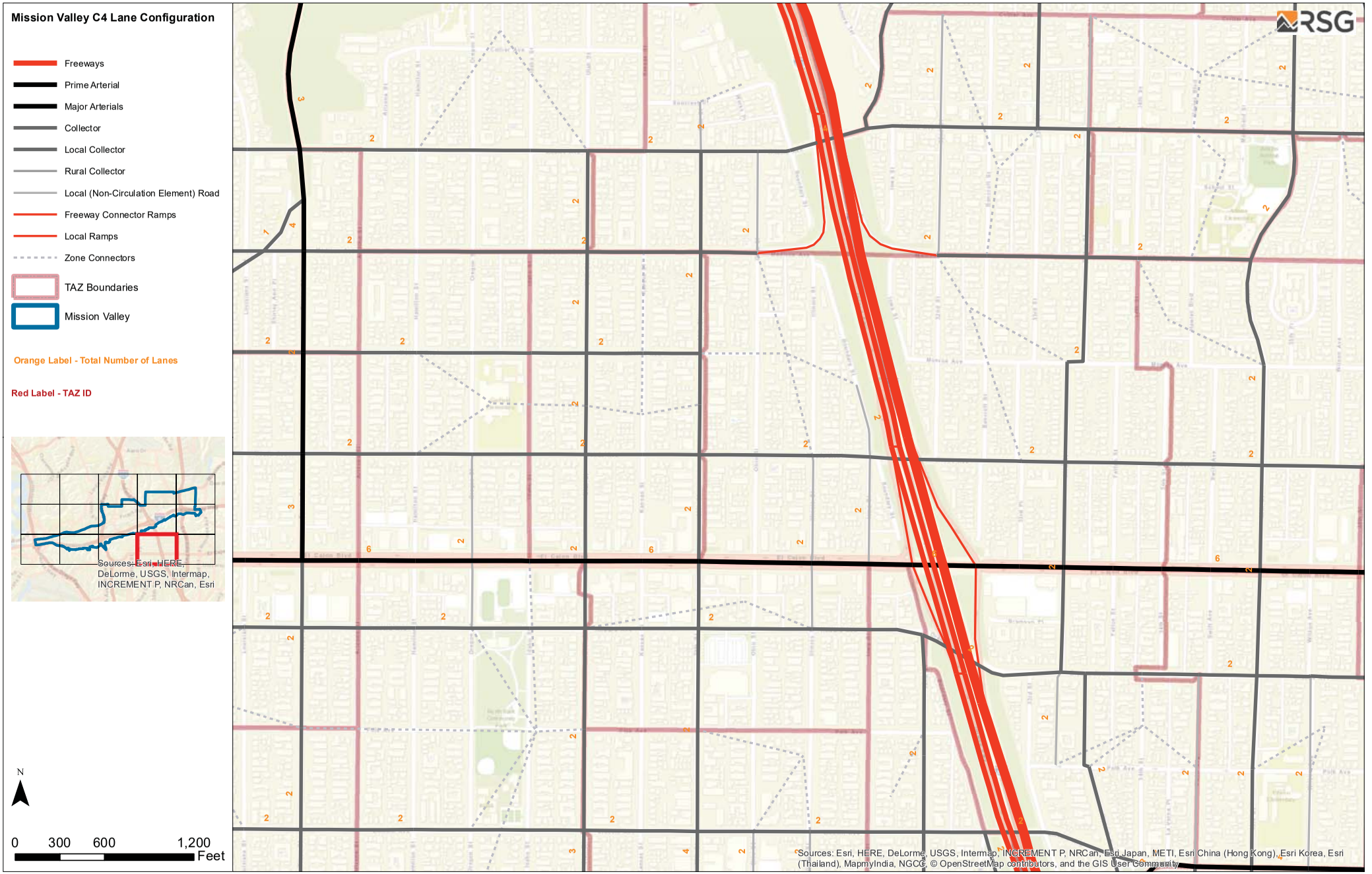

Mission Valley B4 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

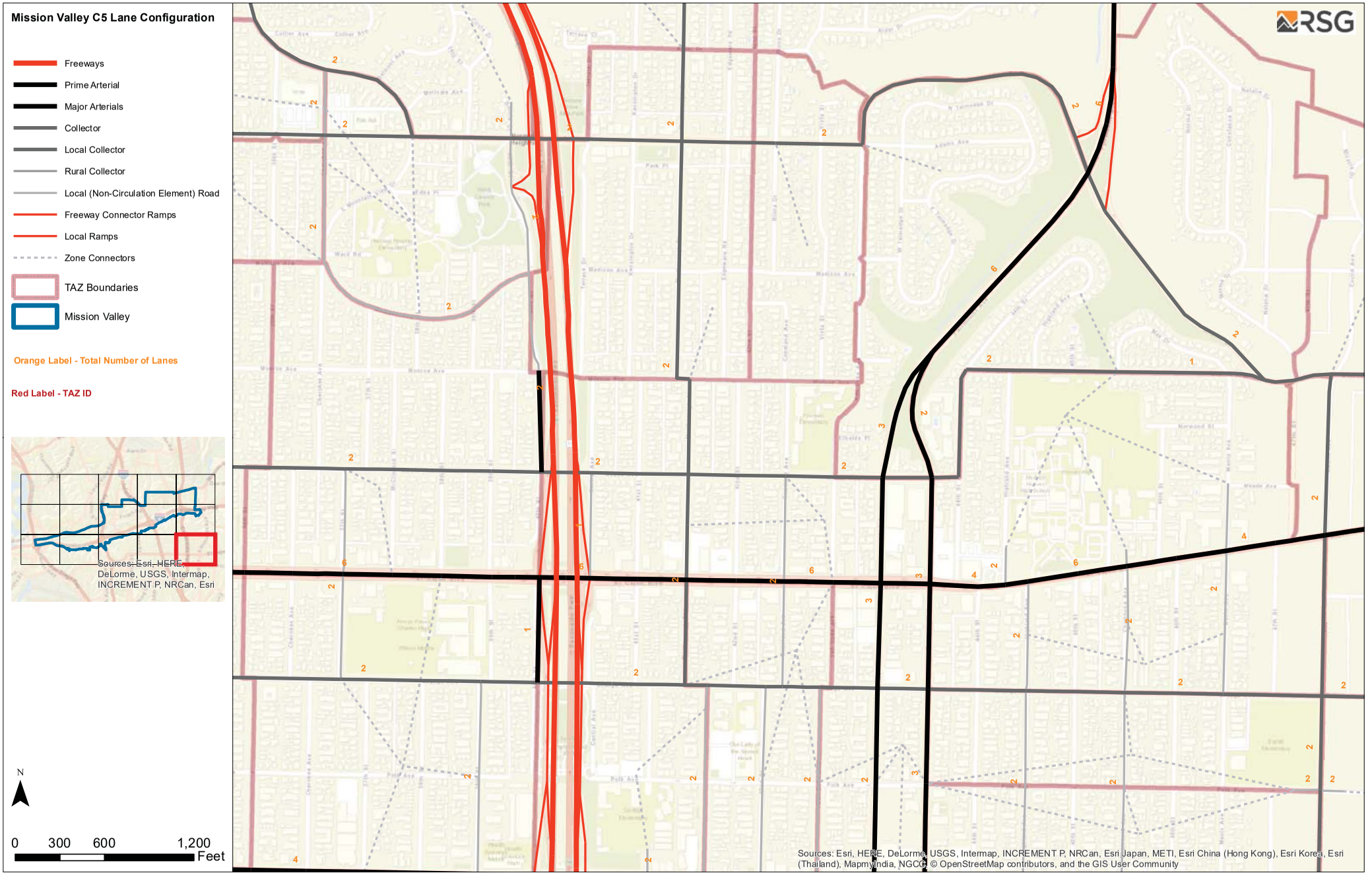

Mission Valley B5 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

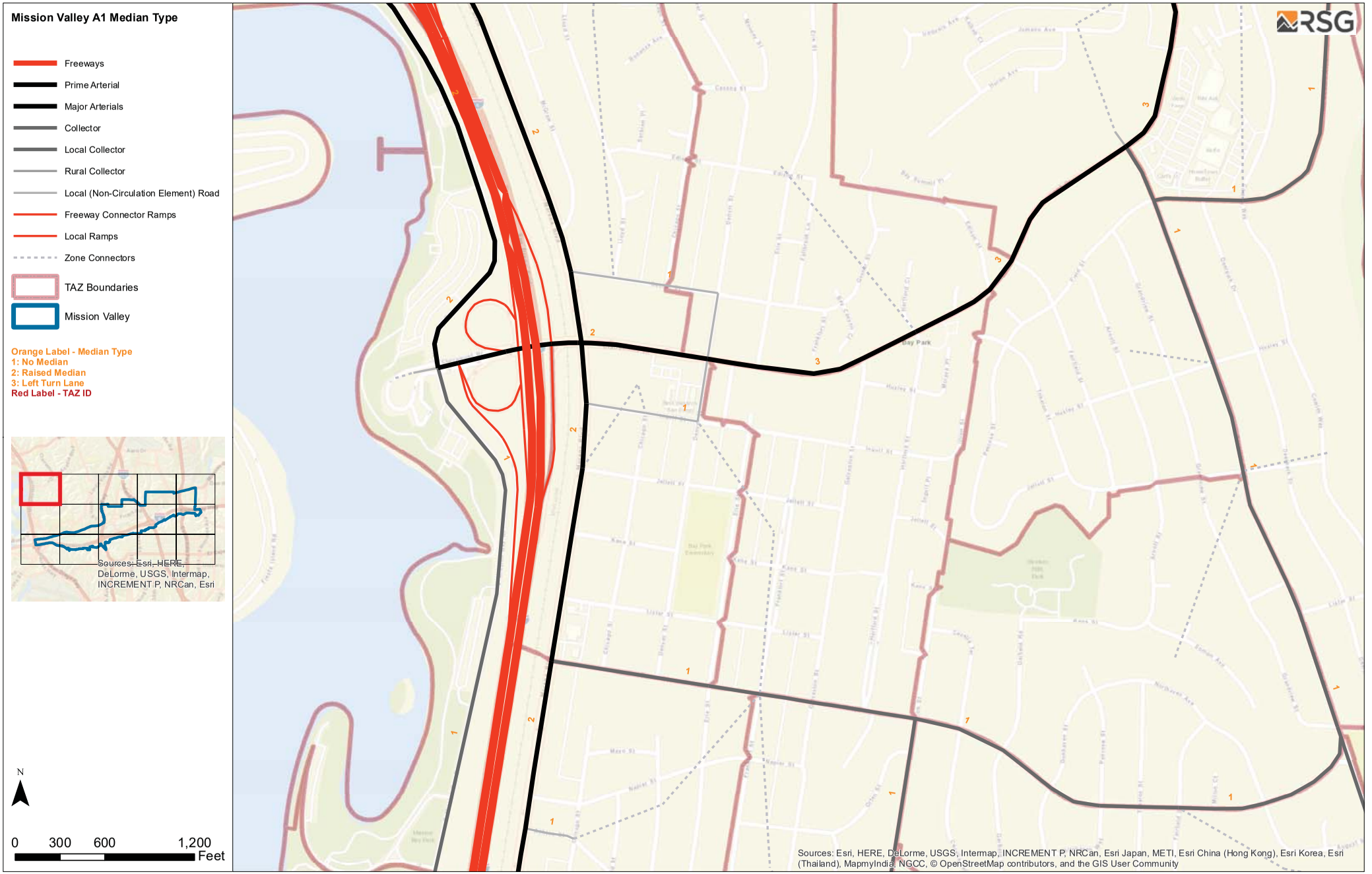

Mission Valley C1 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C2 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C3 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C4 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

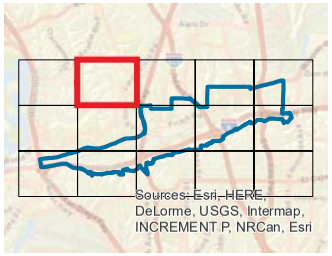

Mission Valley C5 Lane Configuration
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A1 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley A2 Median Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

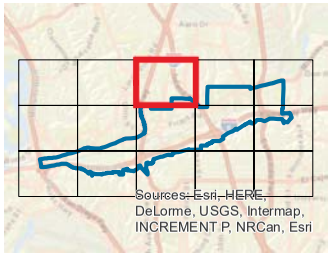
0 300 600 1,200 Feet

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley A3 Median Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

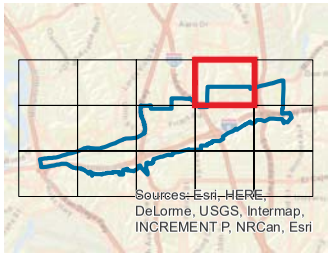
0 300 600 1,200 Feet

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley A4 Median Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

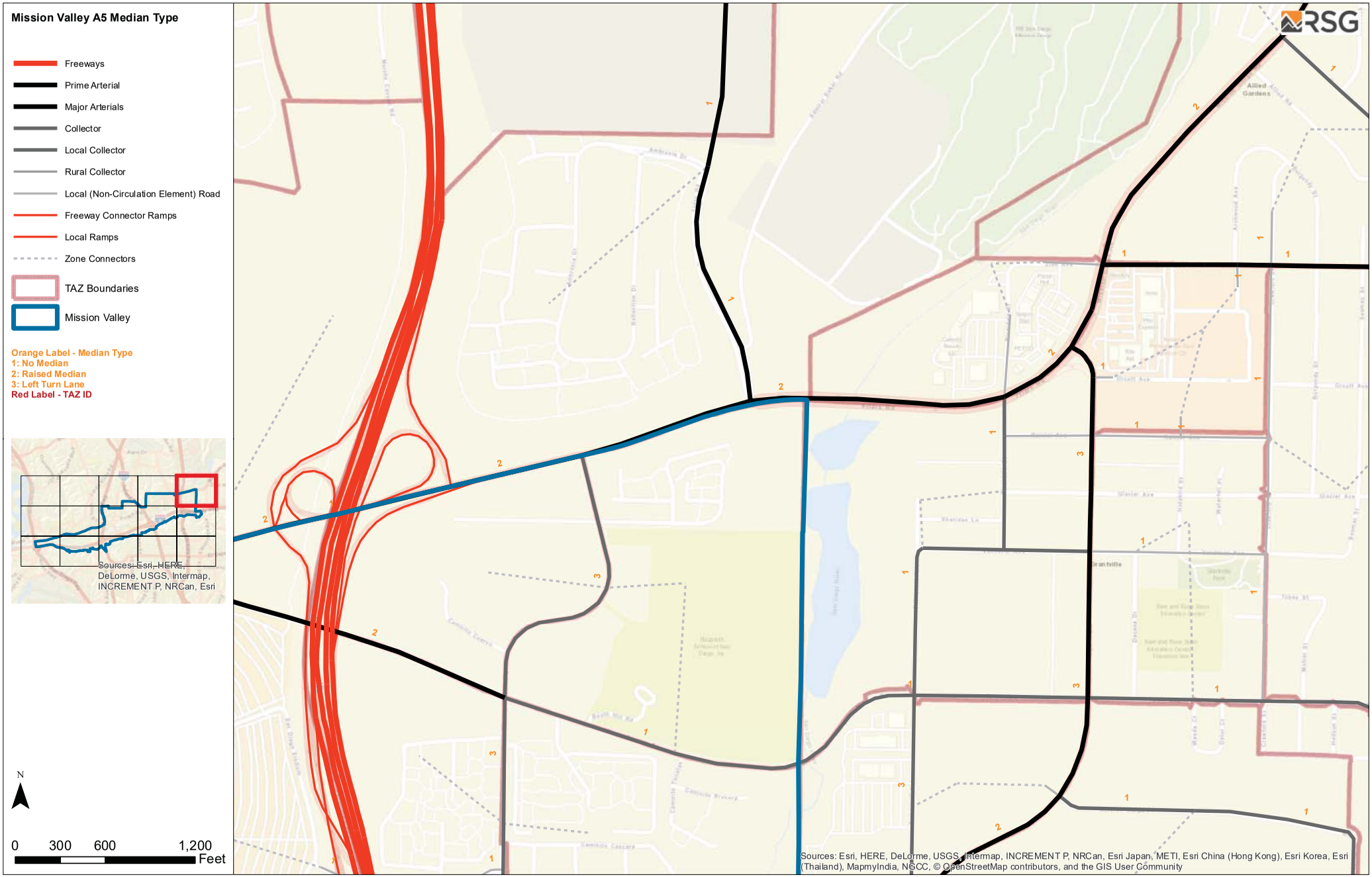
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

0 300 600 1,200 Feet

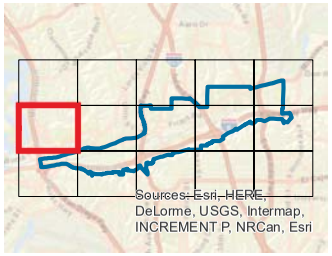
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A5 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley B1 Median Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

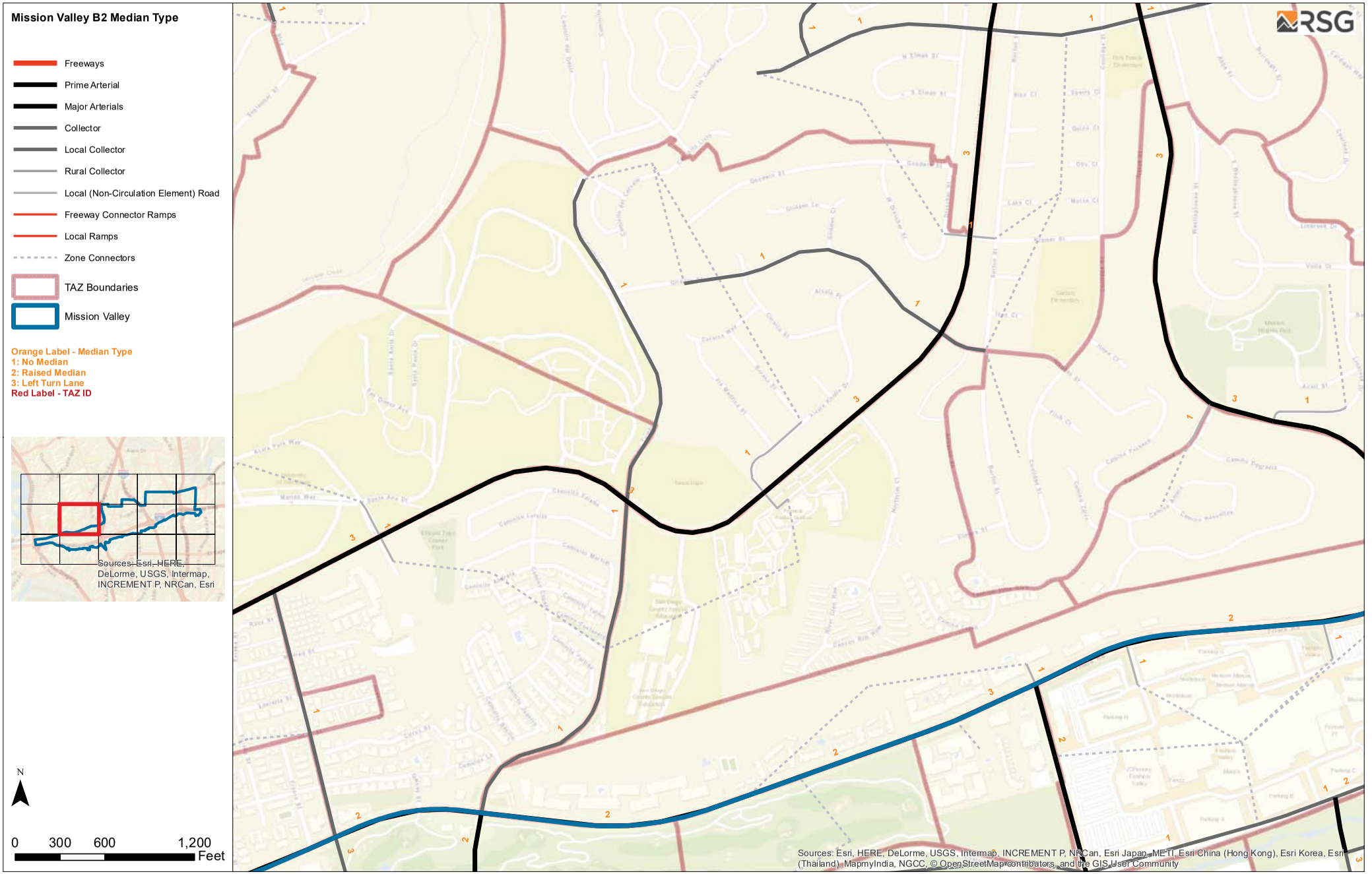
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

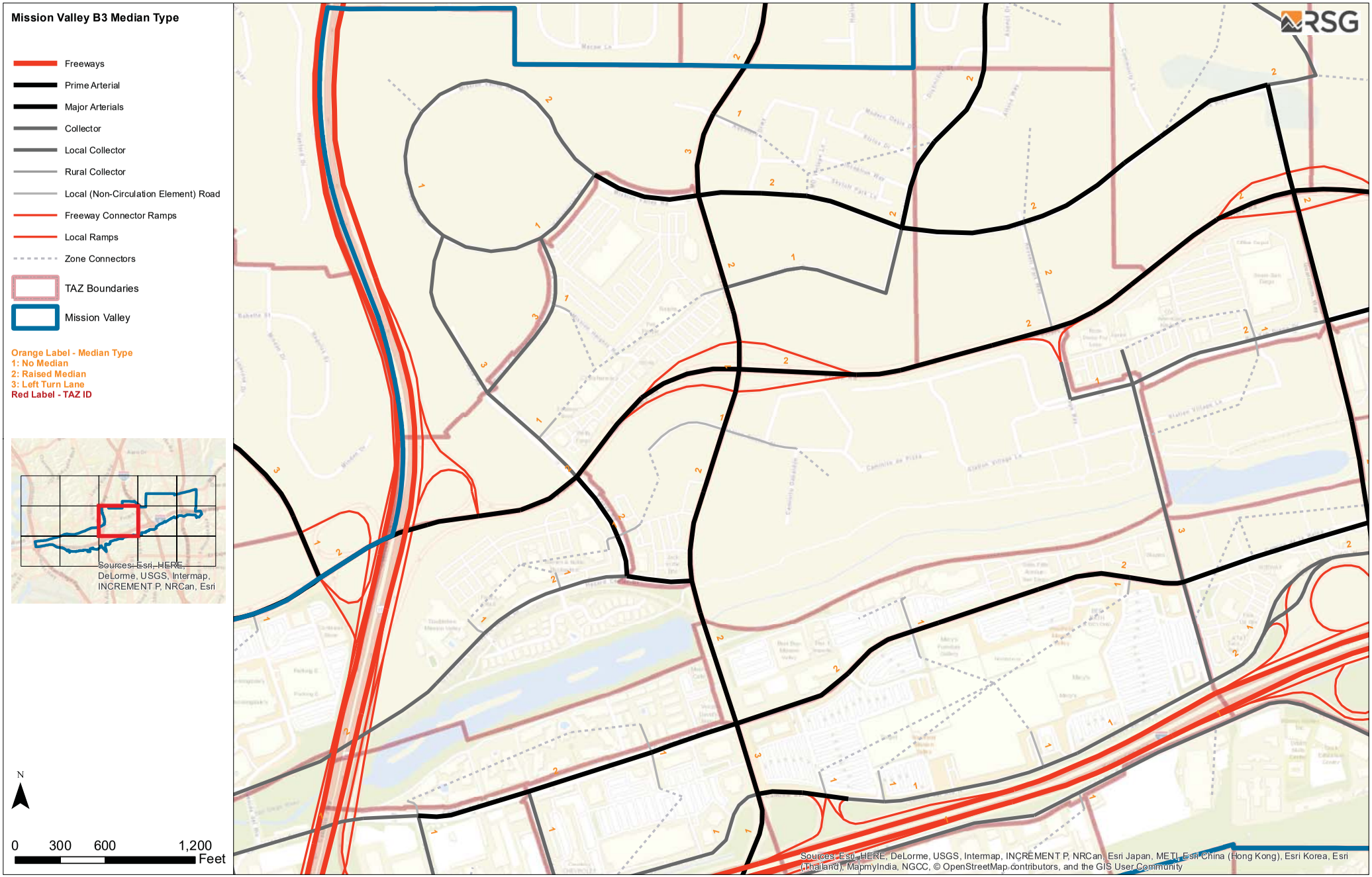


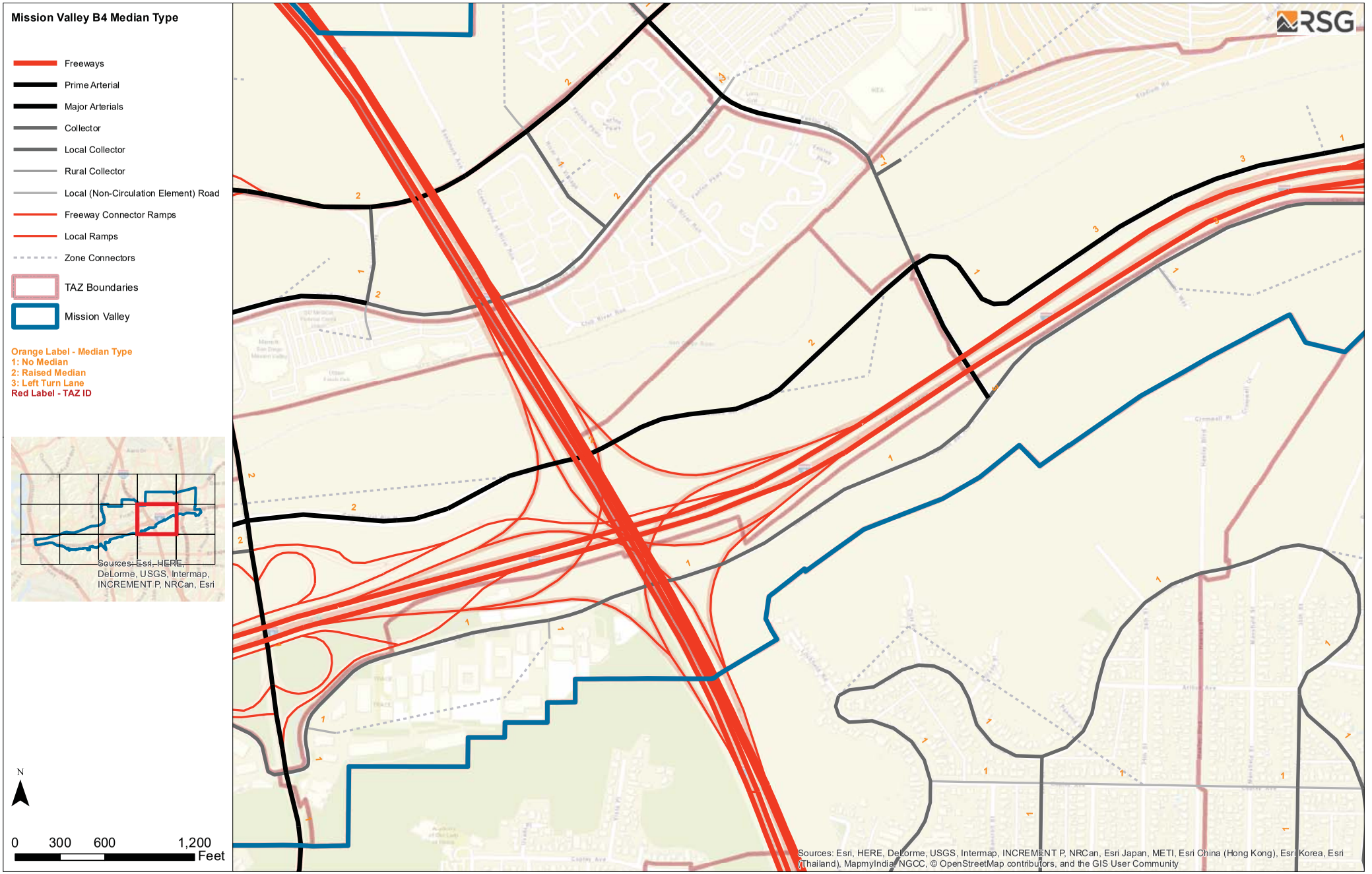
N

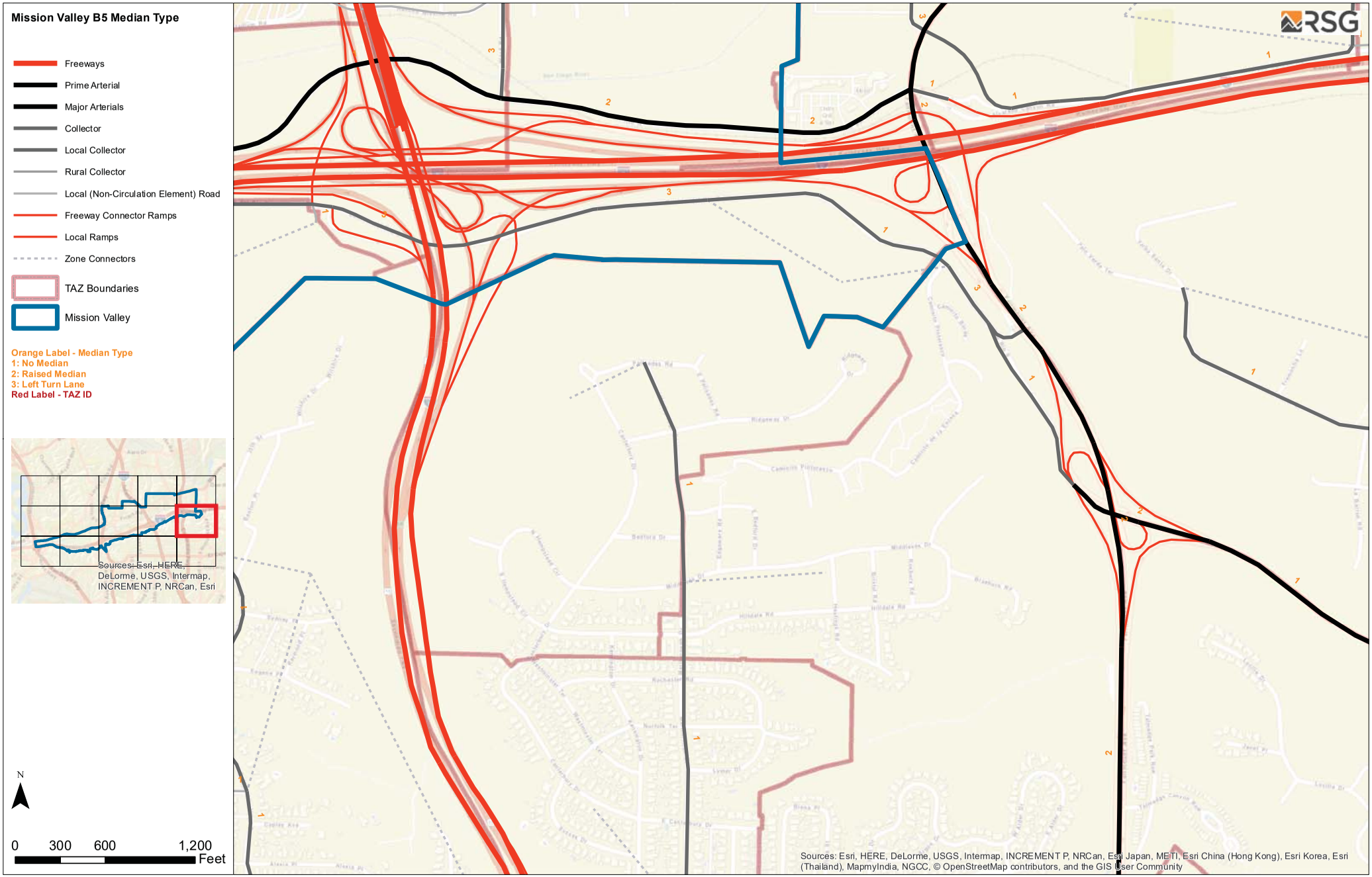
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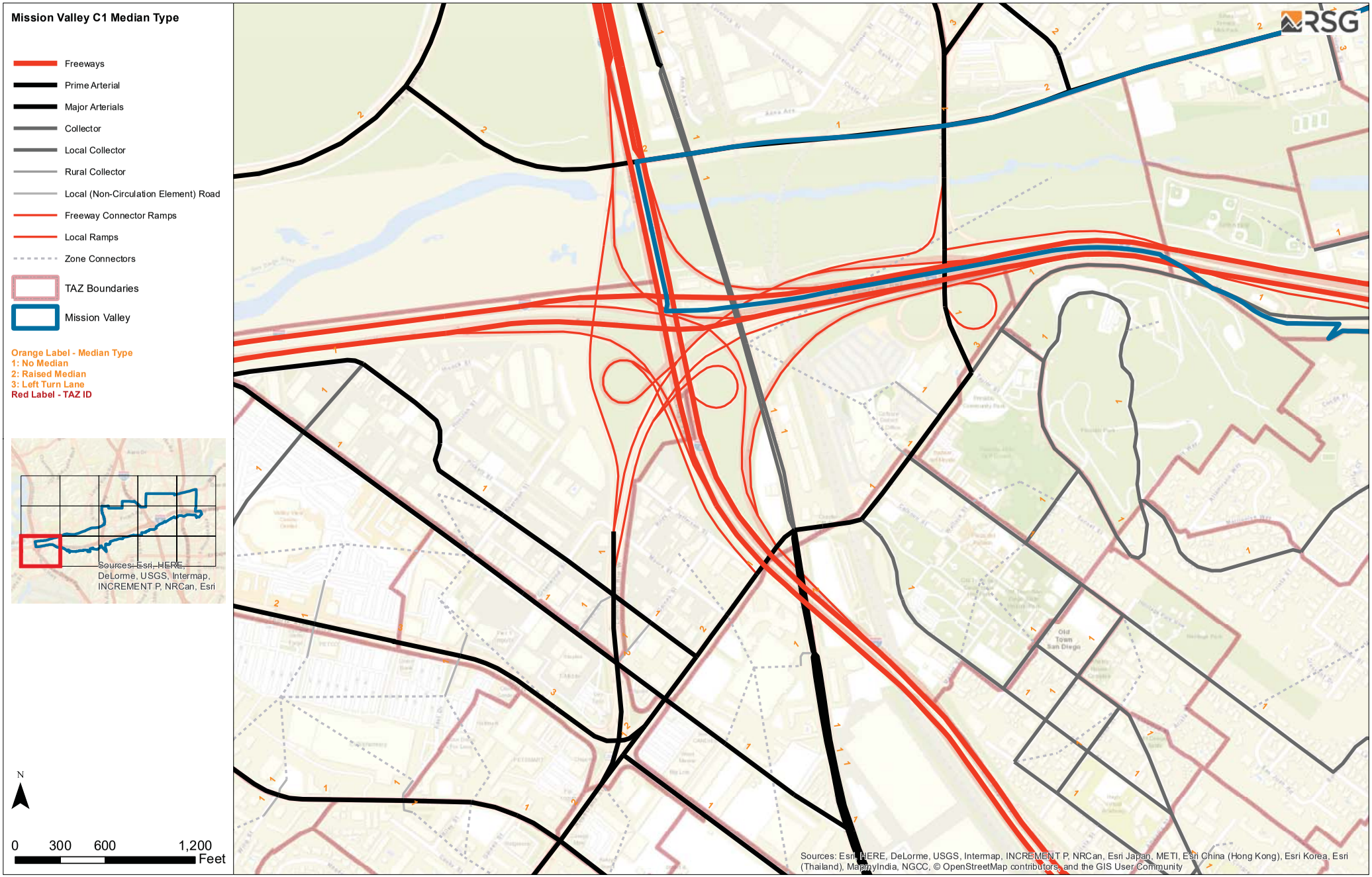
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

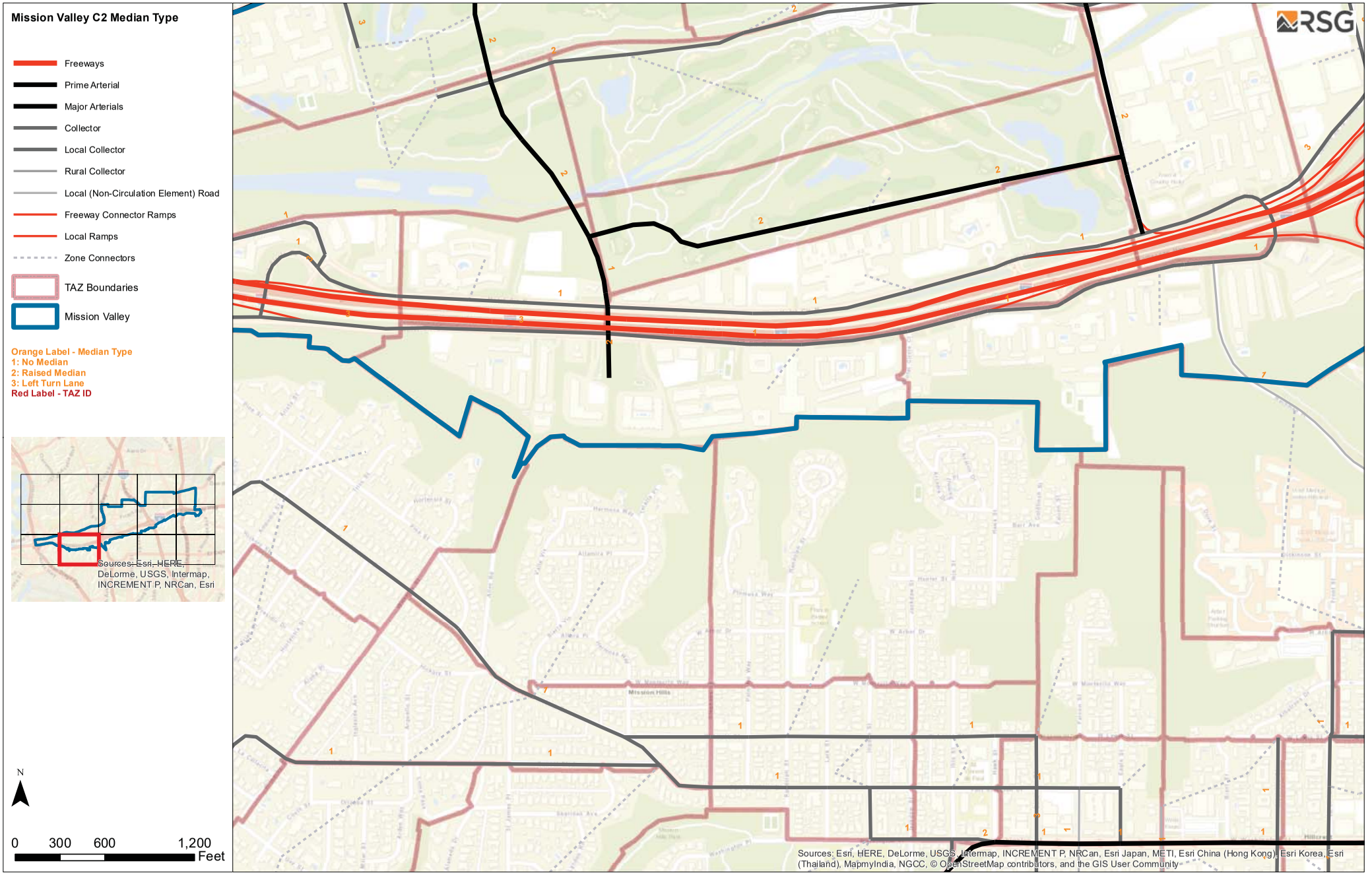

Mission Valley B2 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

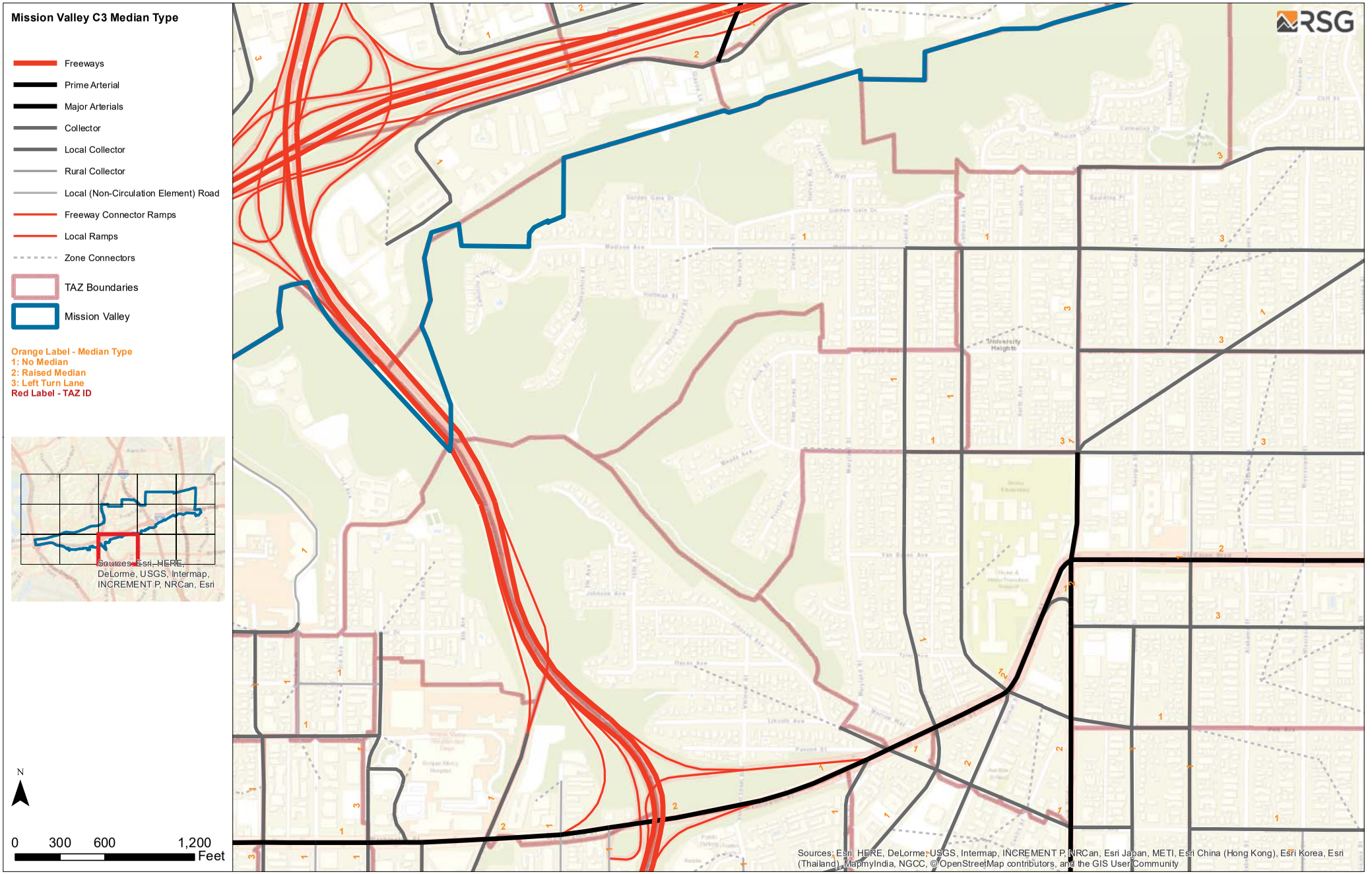

Mission Valley B3 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley B4 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley B5 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C1 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

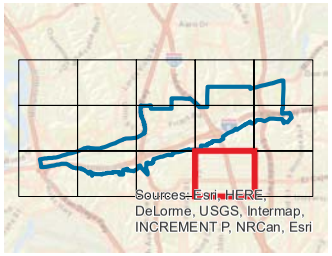

Mission Valley C2 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C3 Median Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley C4 Median Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

0 300 600 1,200 Feet

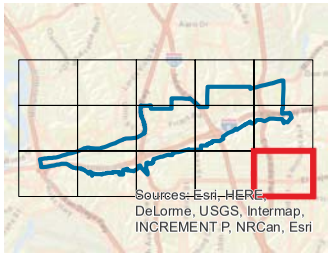
RSG

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley C5 Median Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

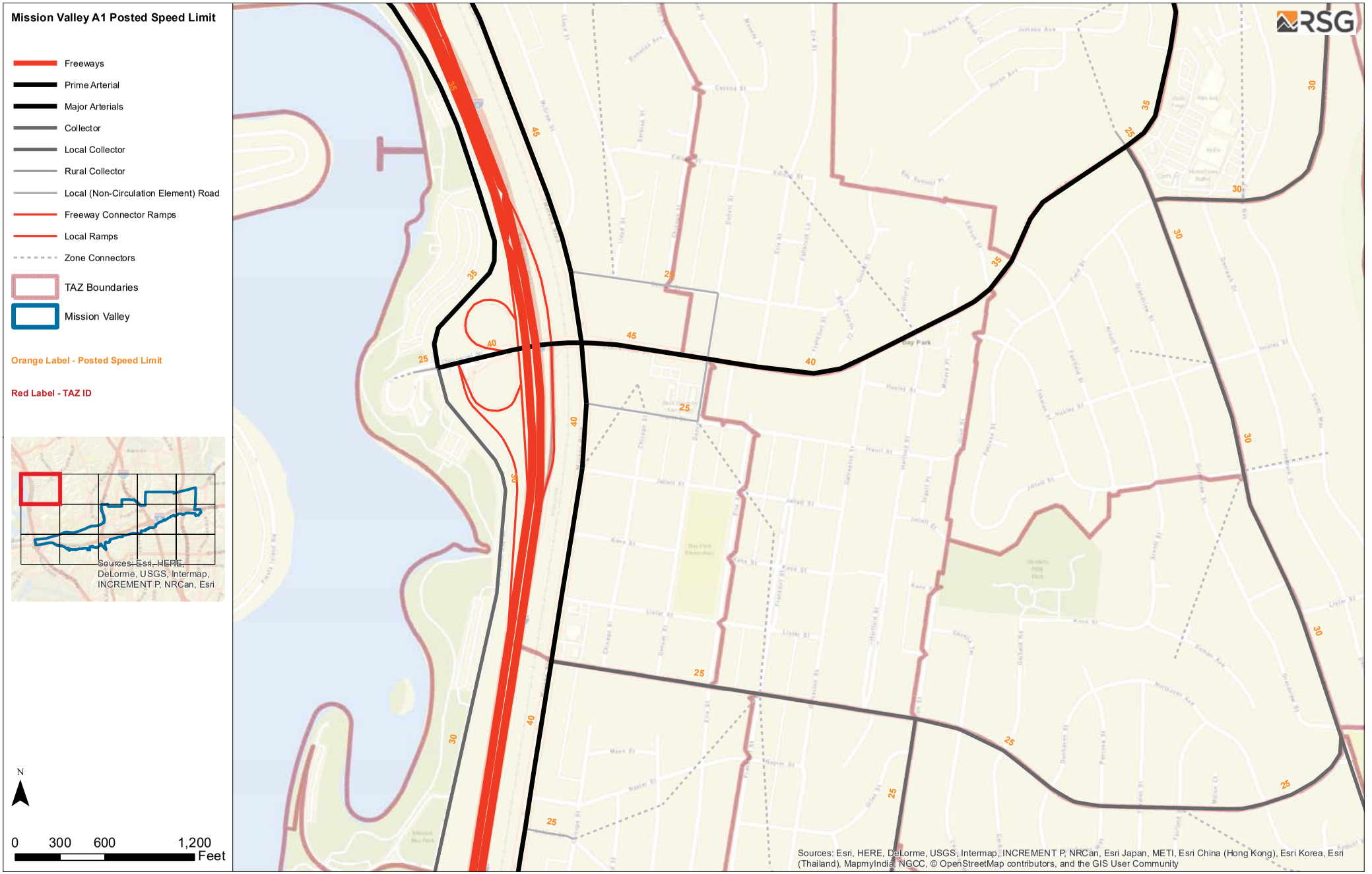


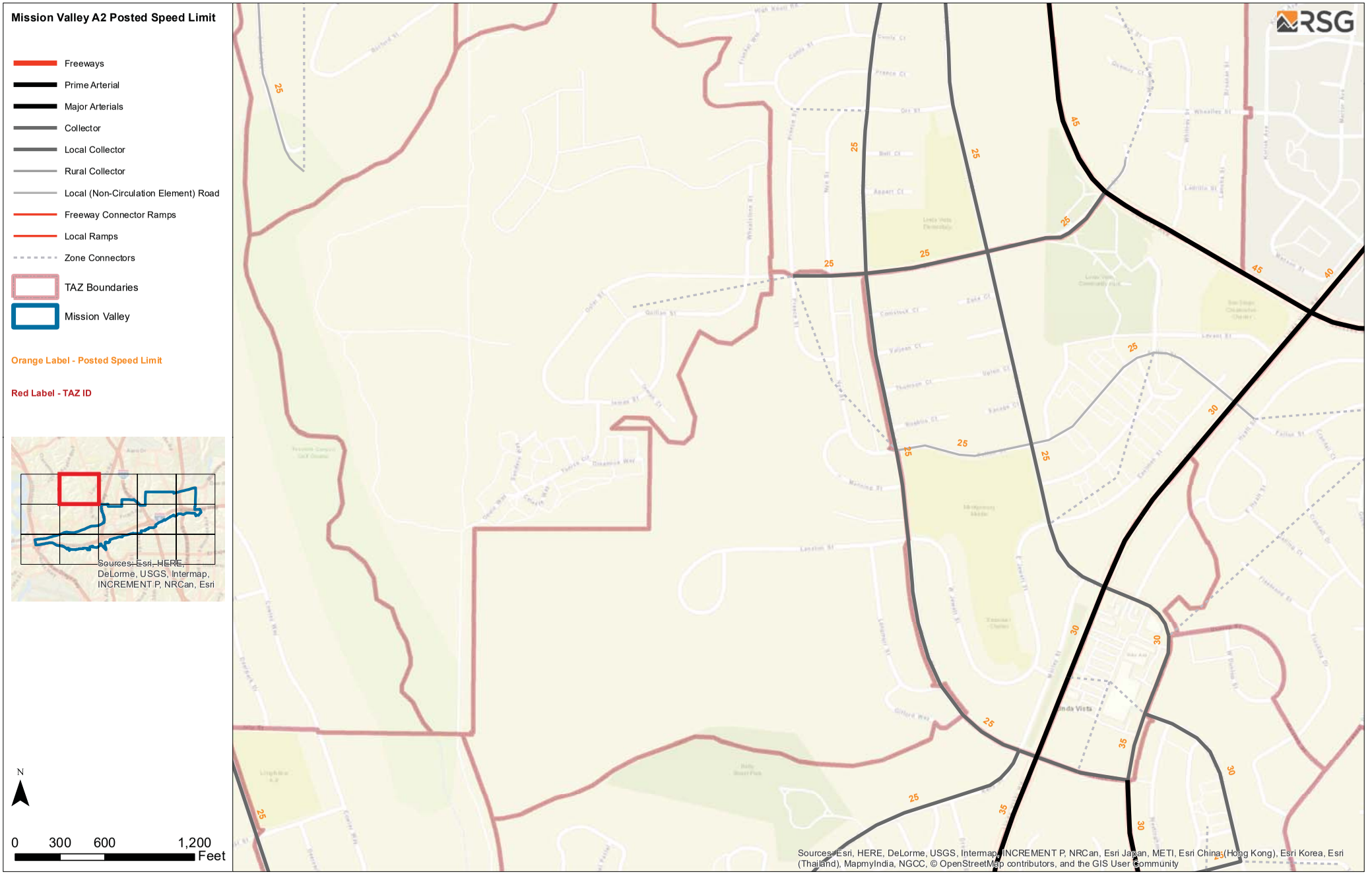
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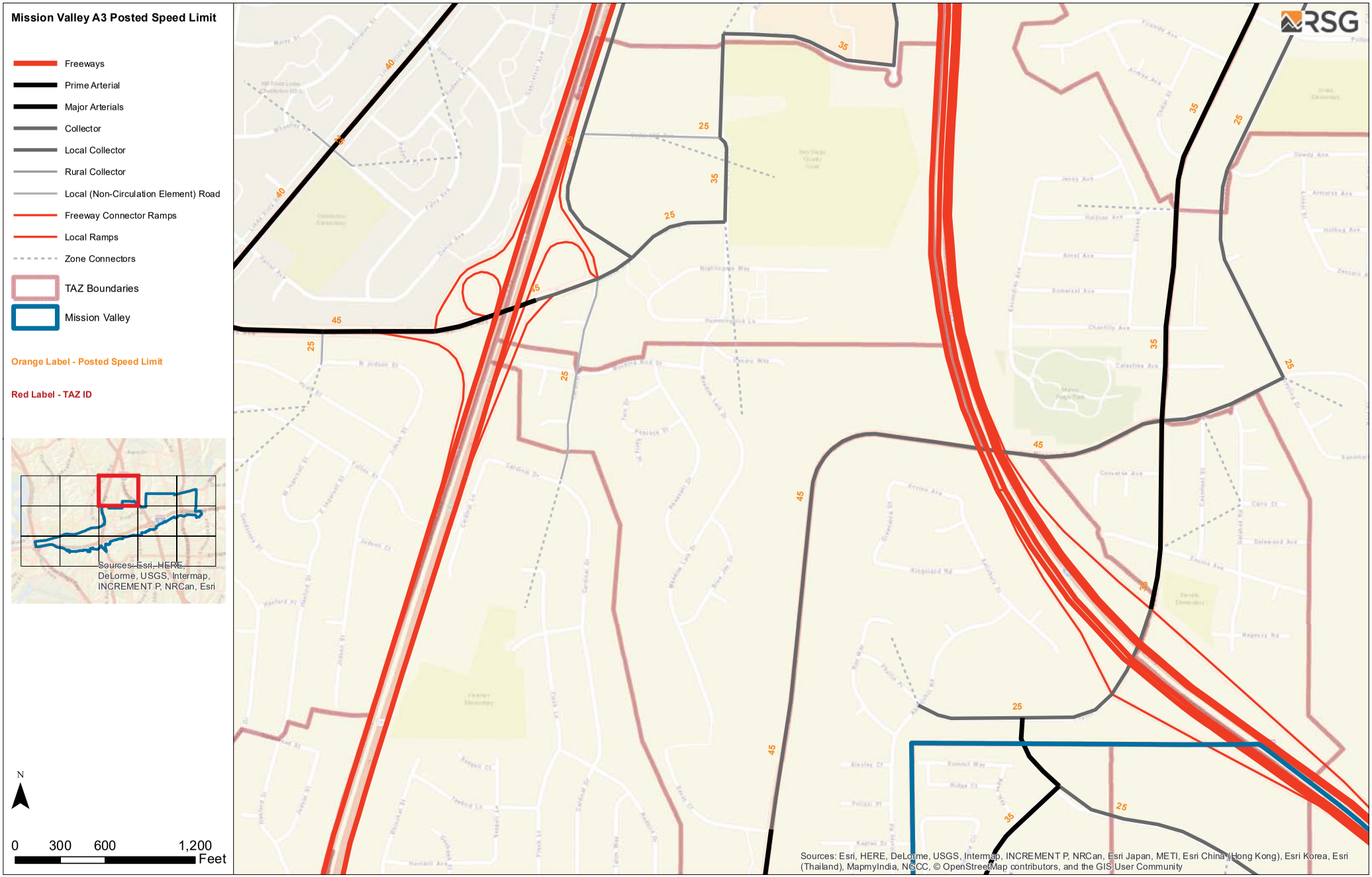
0 300 600 1,200 Feet

RSG

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Mapmyindia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A1 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A2 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

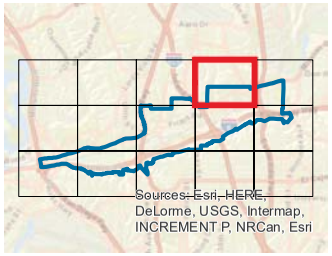

Mission Valley A3 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley A4 Posted Speed Limit

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Posted Speed Limit

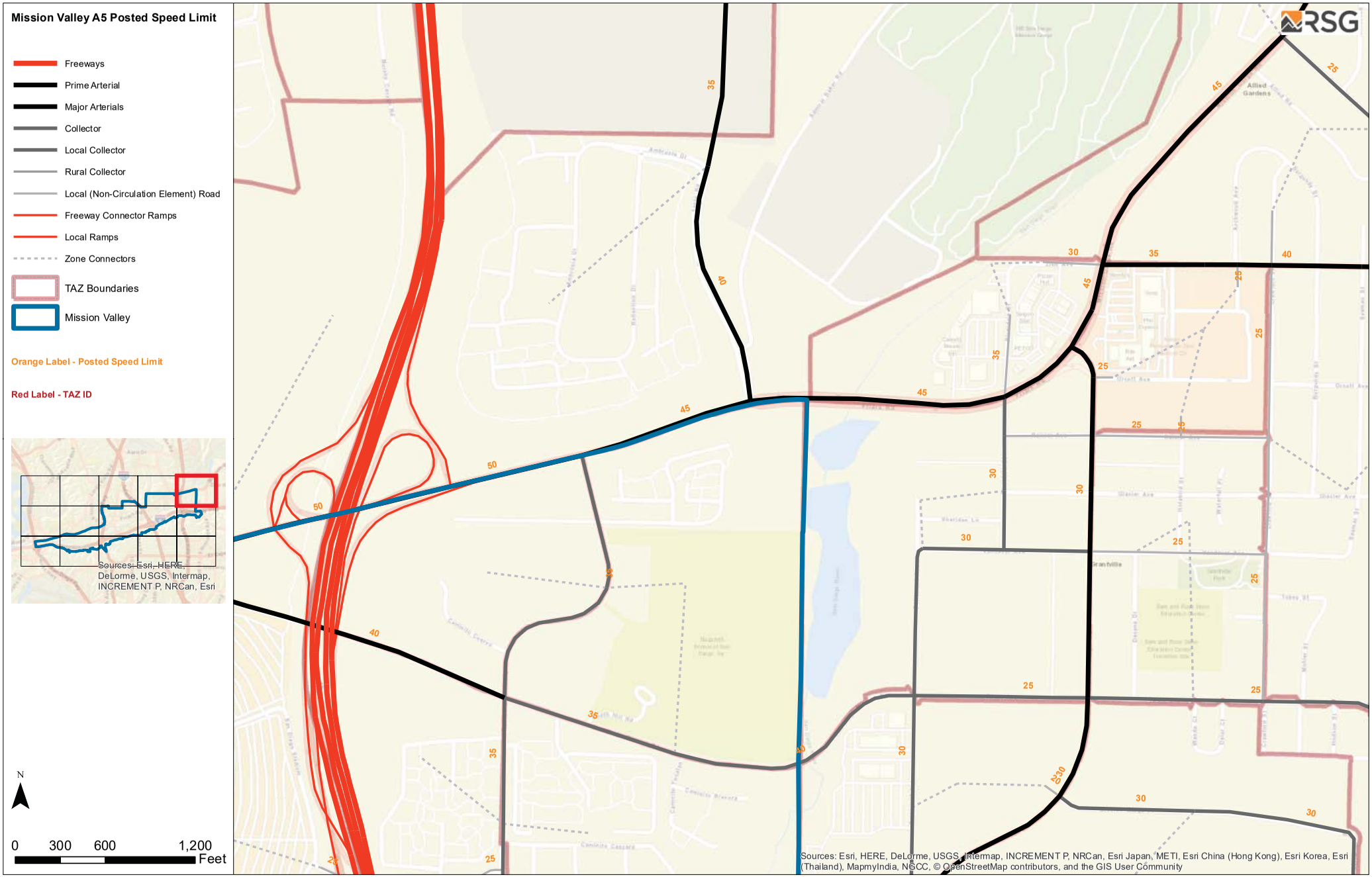
Red Label - TAZ ID

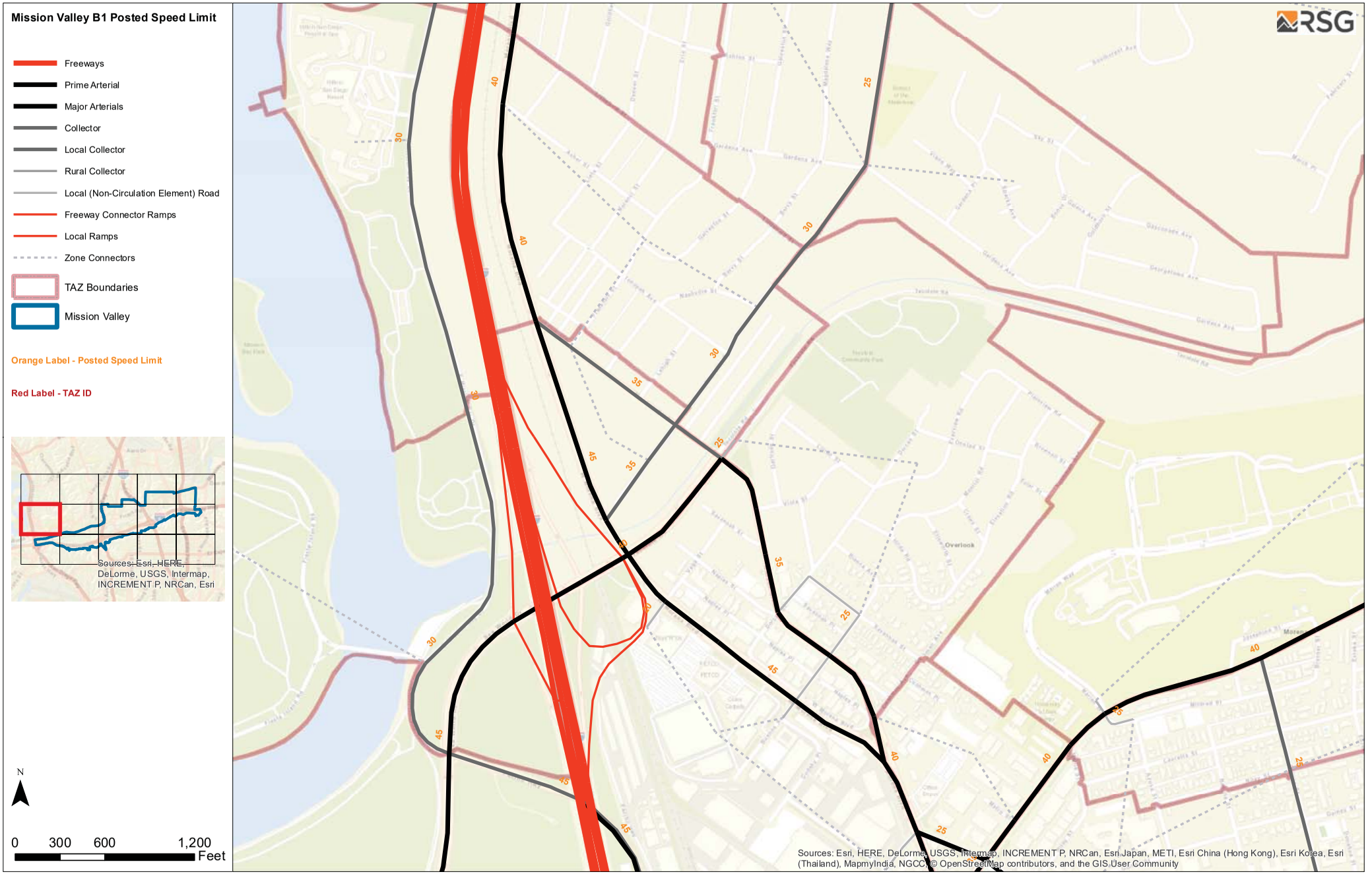


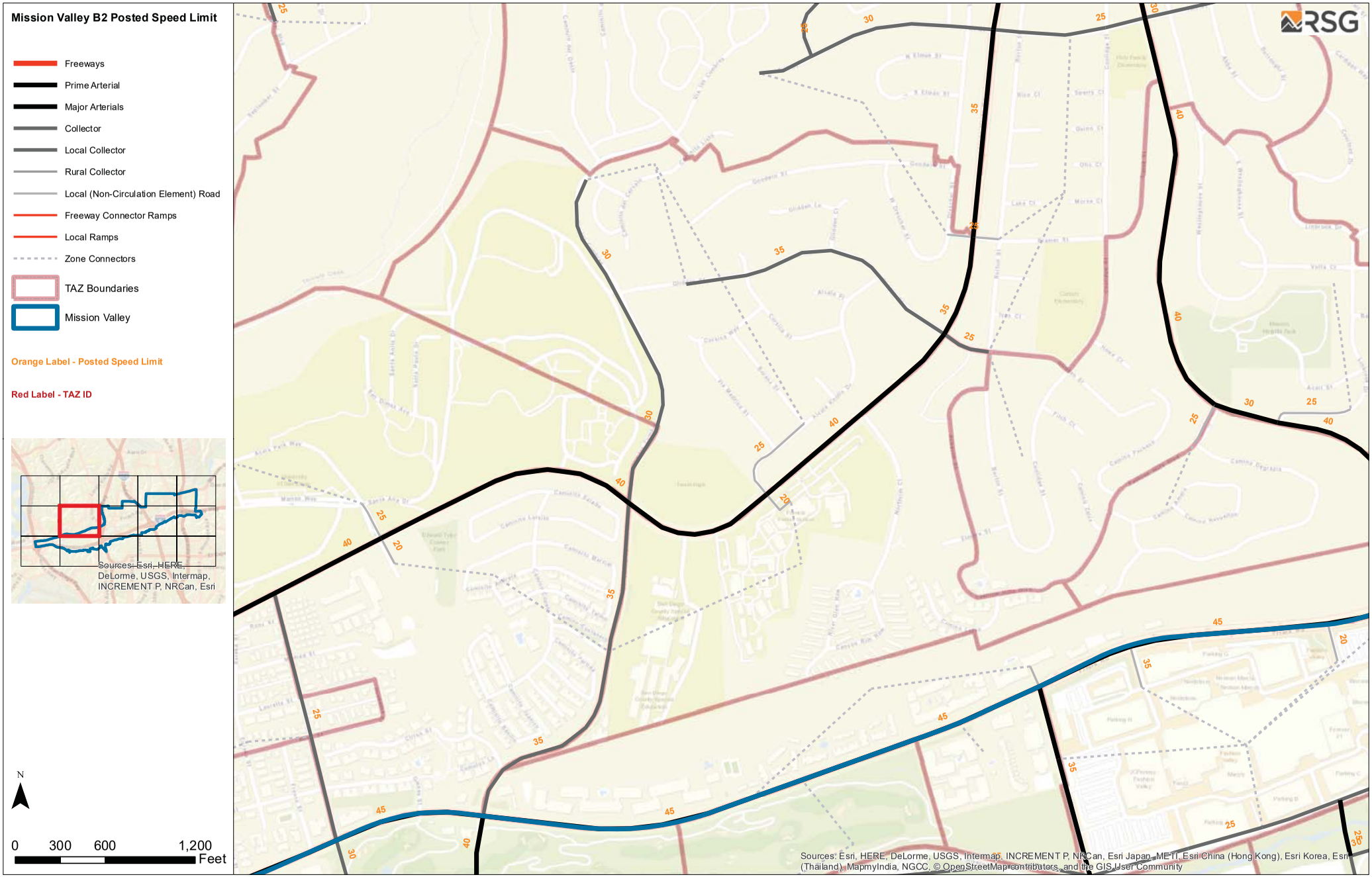
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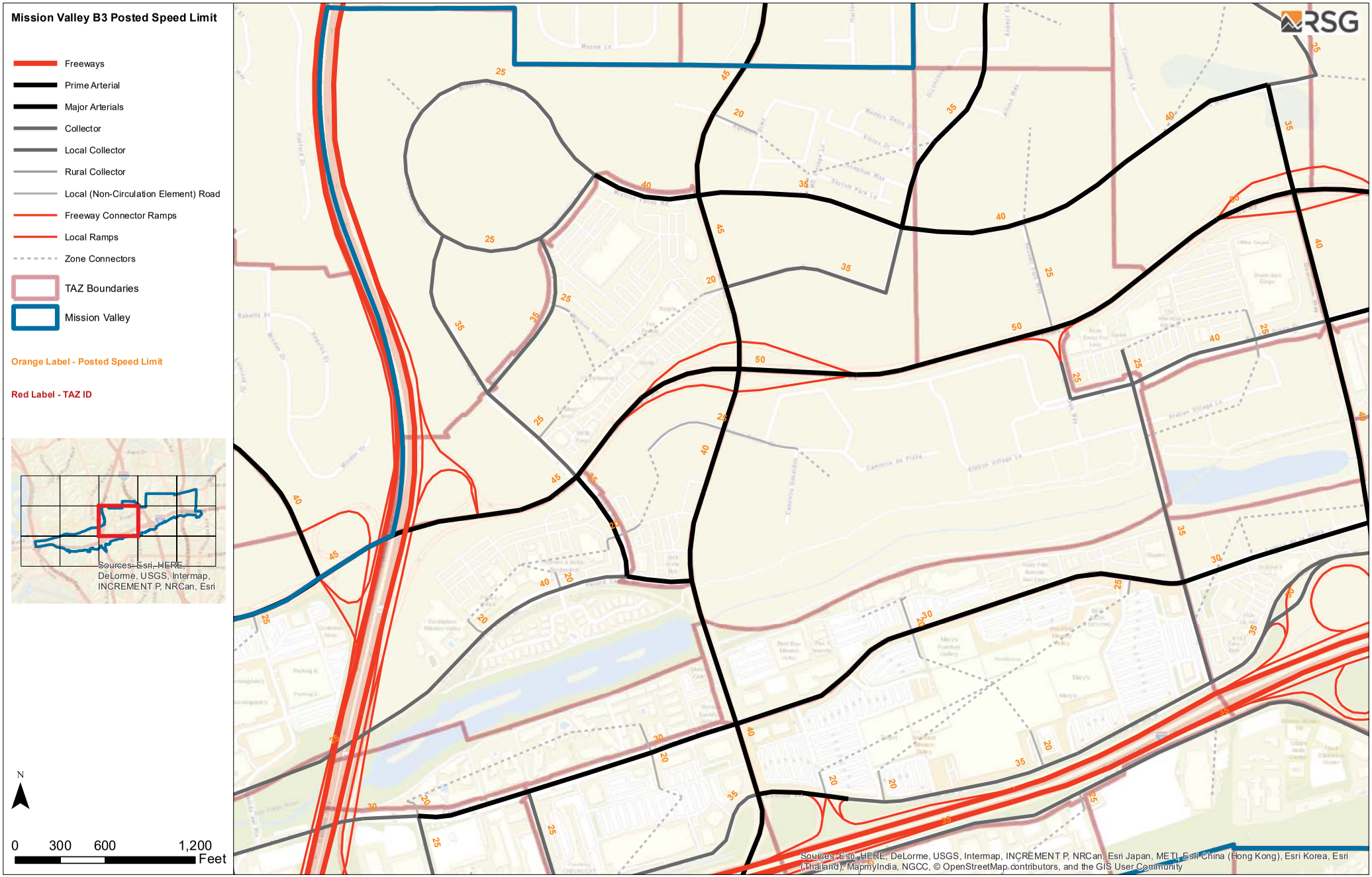
0 300 600 1,200 Feet

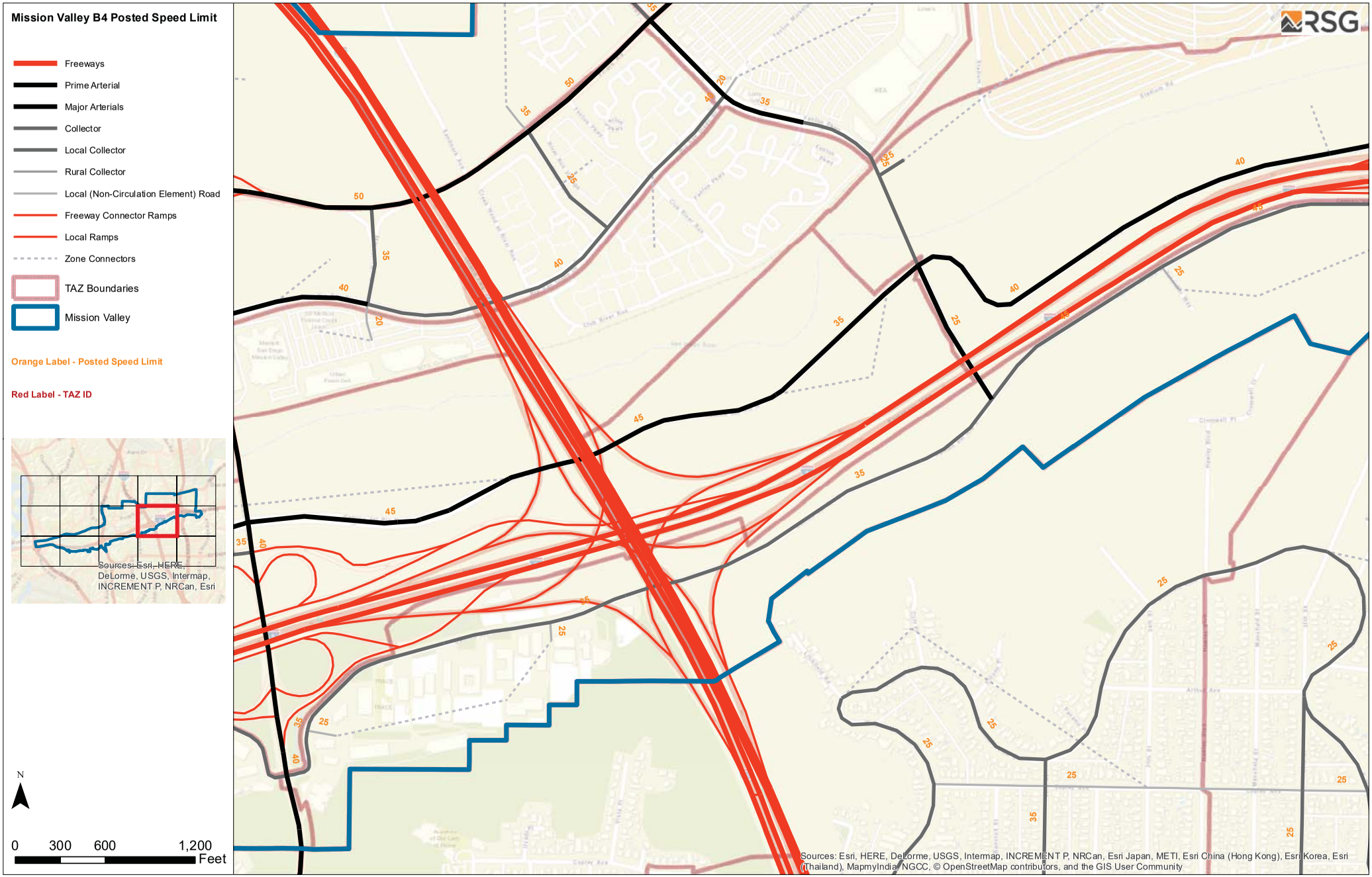
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley A5 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley B1 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley B2 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley B3 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

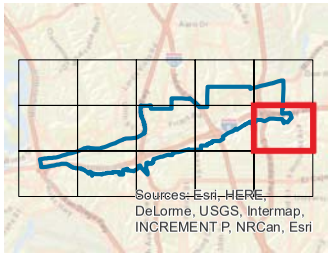

Mission Valley B4 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley B5 Posted Speed Limit

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Posted Speed Limit

Red Label - TAZ ID

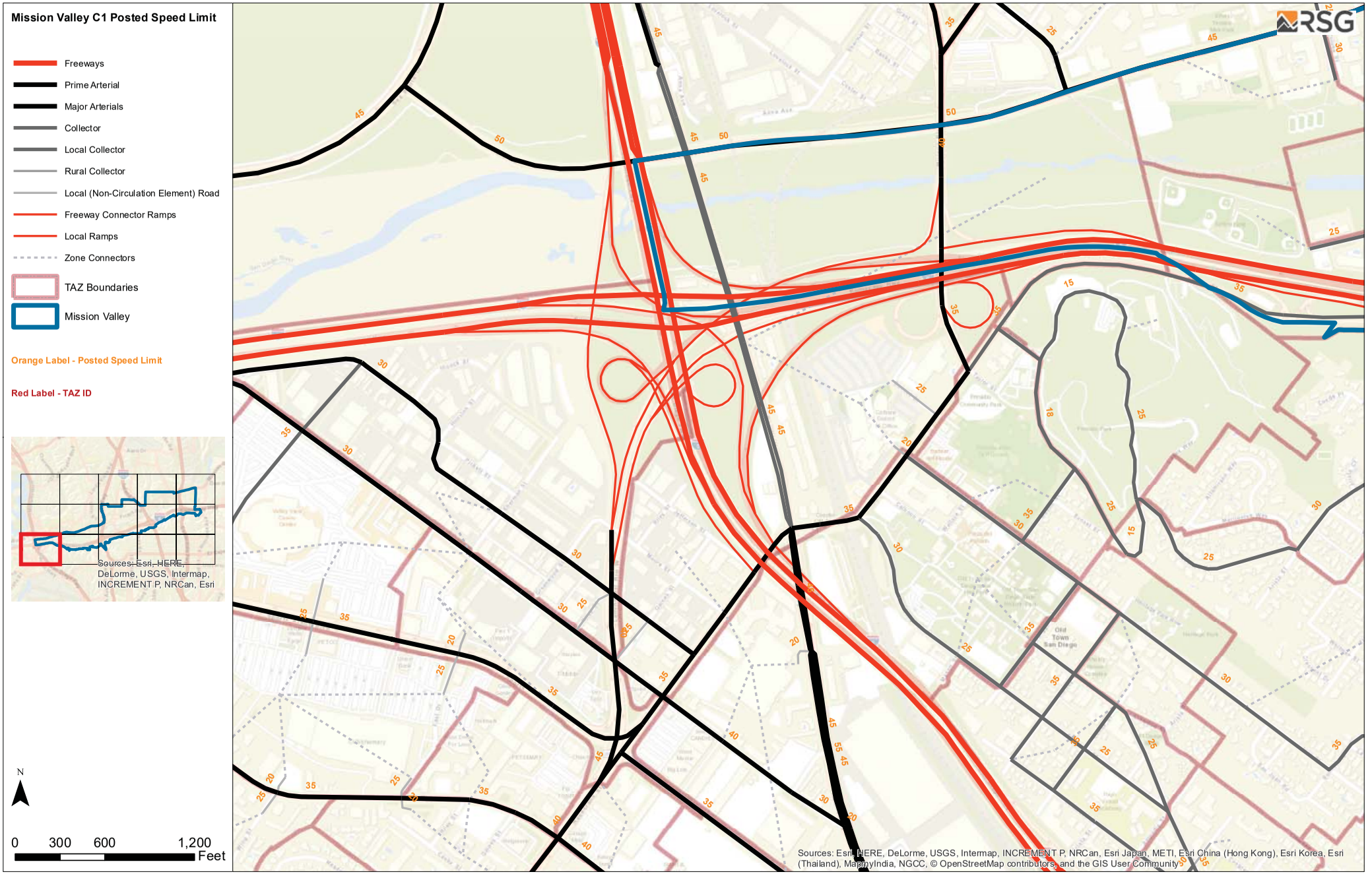


N

0 300 600 1,200 Feet

RSG

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

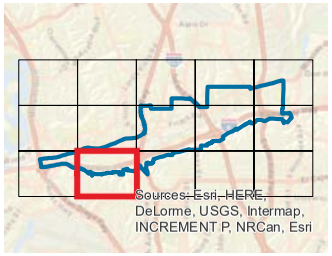

Mission Valley C1 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley C2 Posted Speed Limit

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Posted Speed Limit

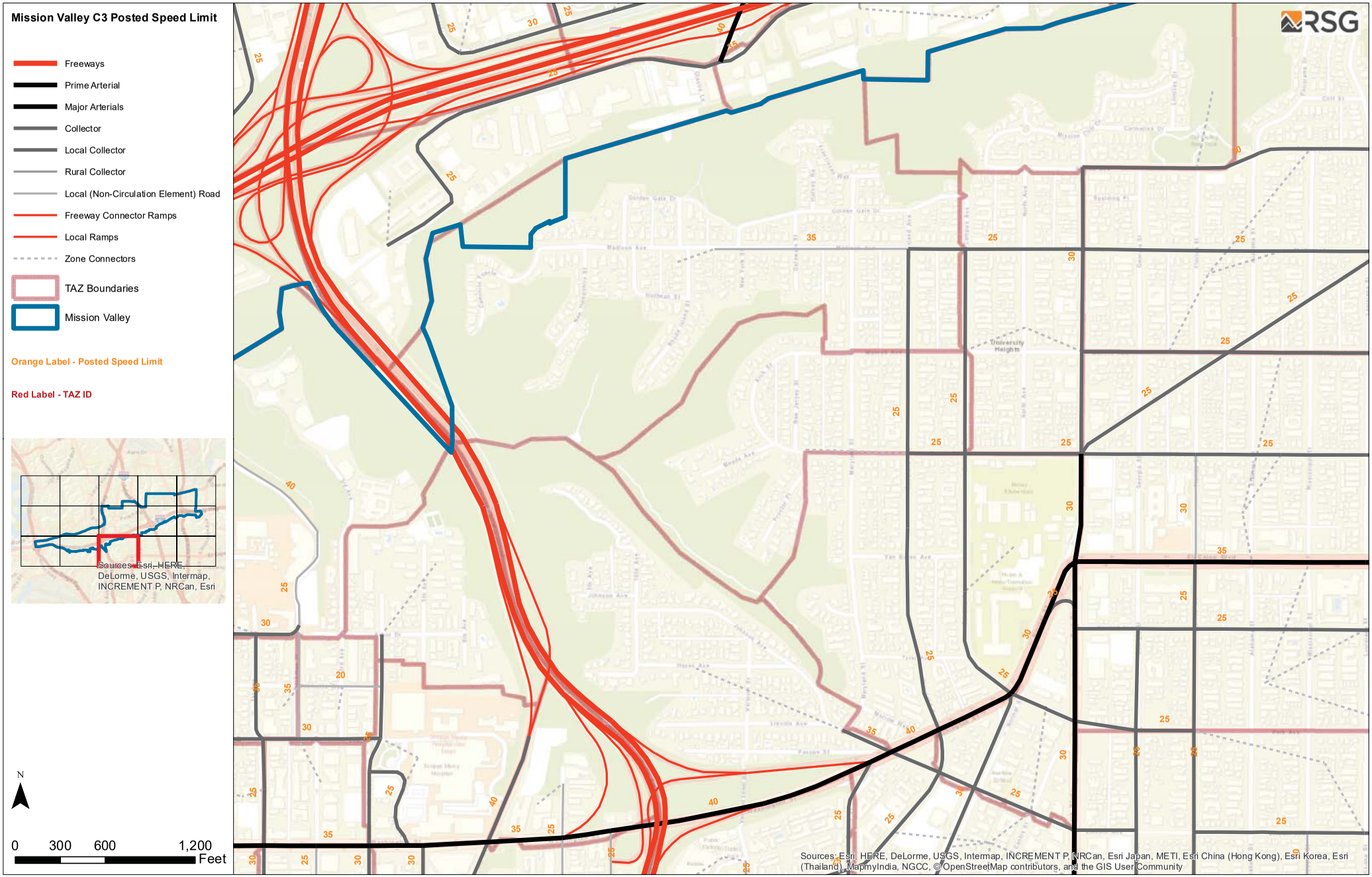
Red Label - TAZ ID

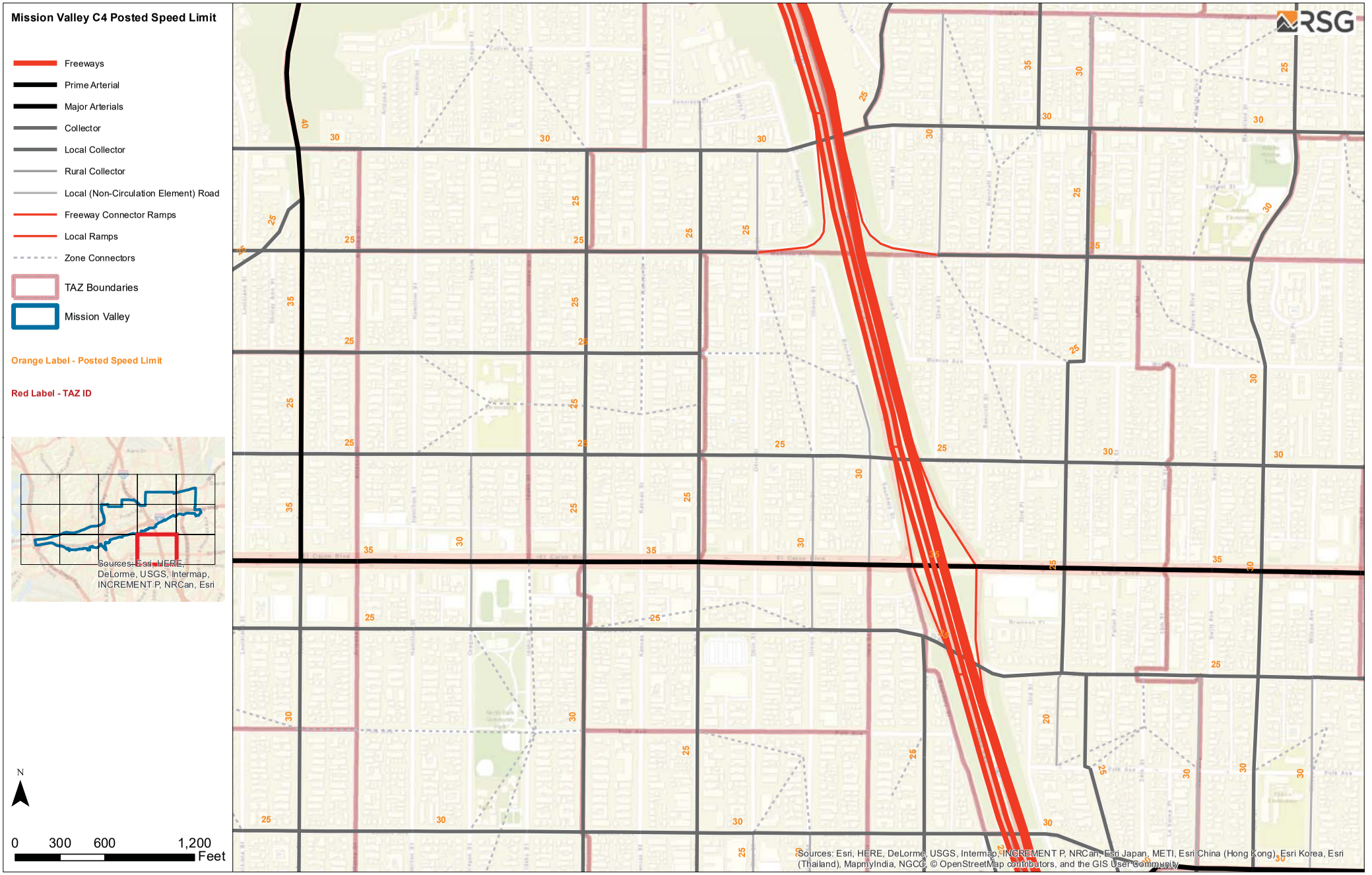


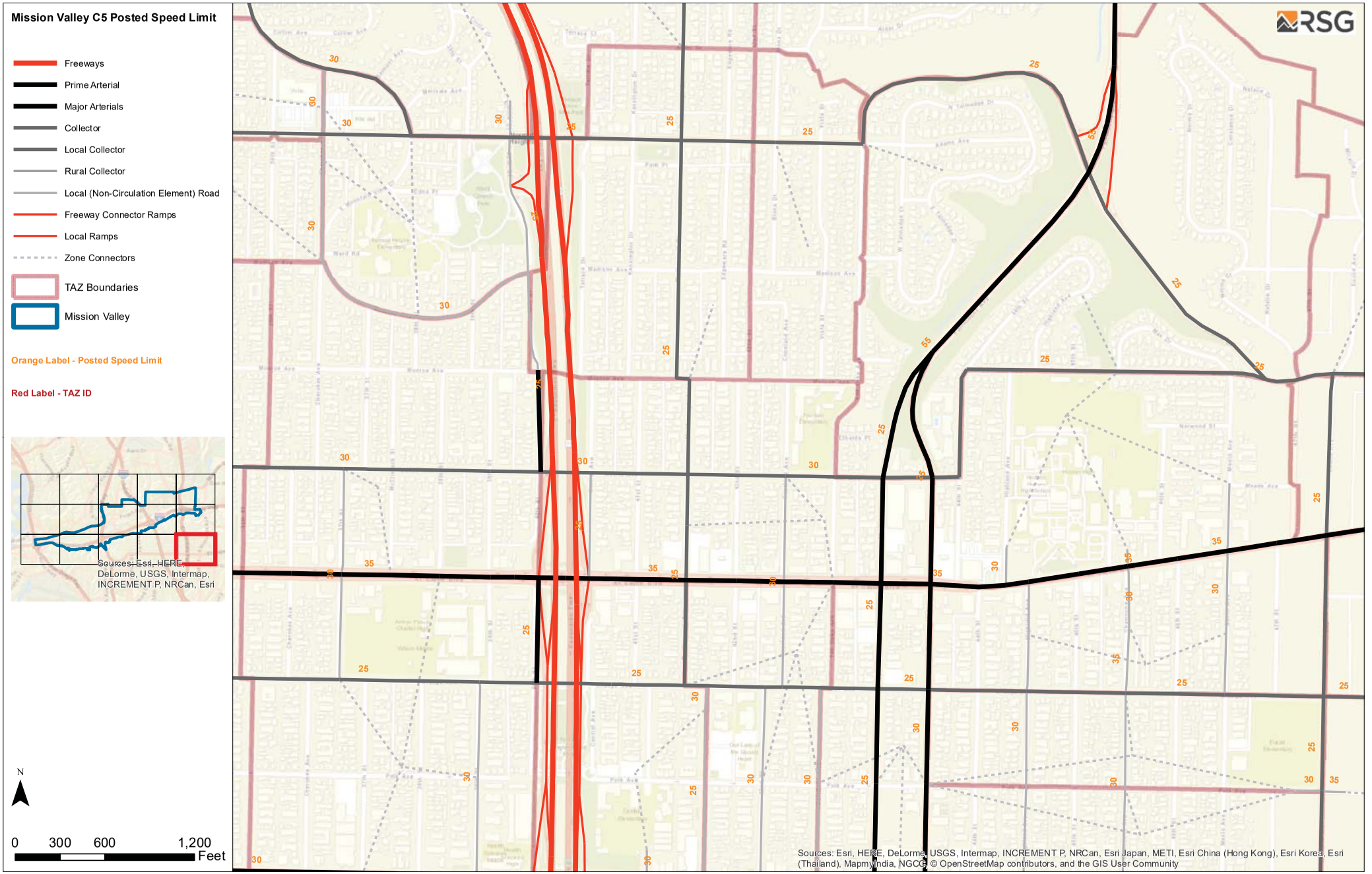
N

0 300 600 1,200 Feet

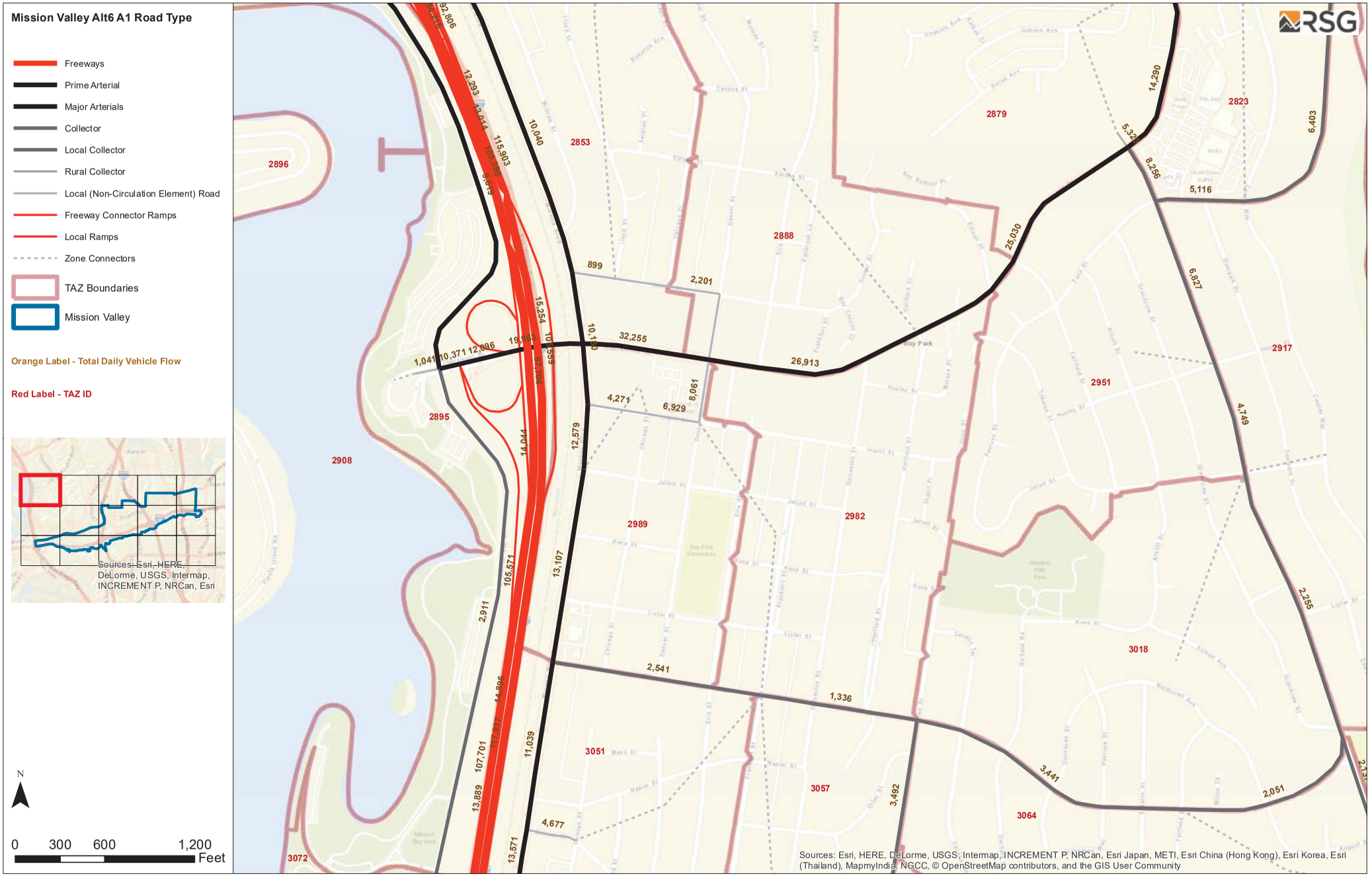
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

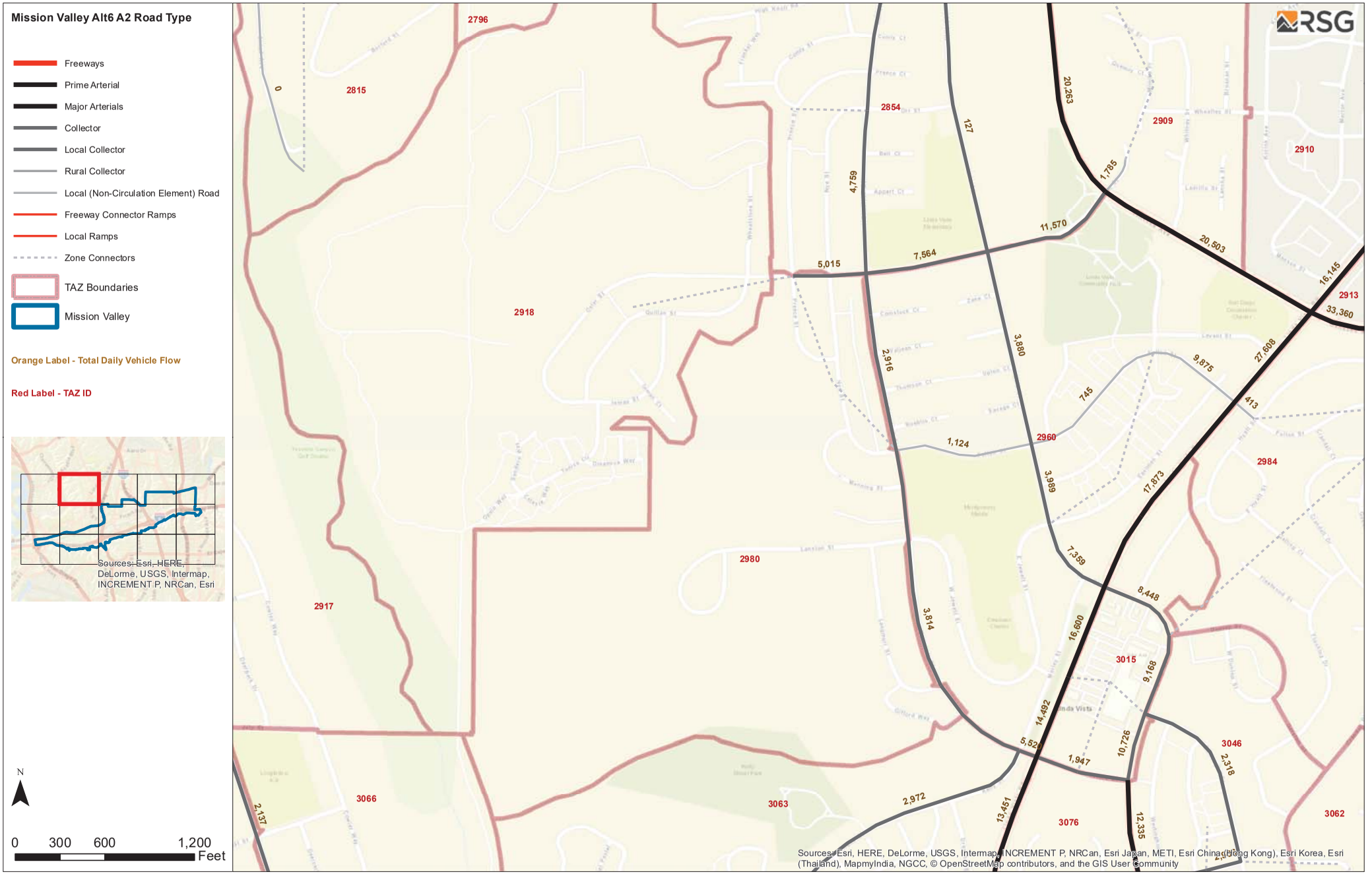

Mission Valley C3 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

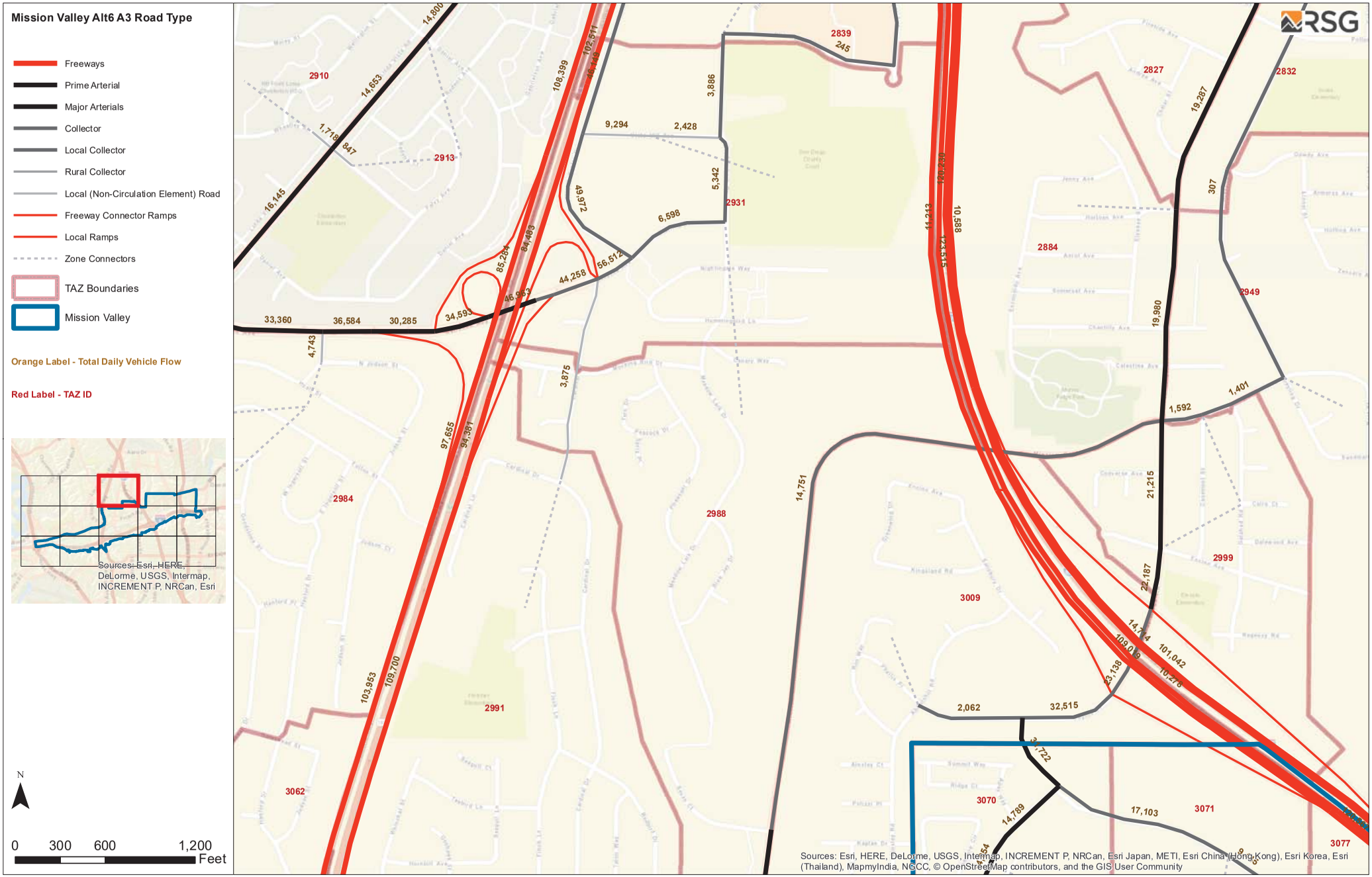

Mission Valley C4 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley C5 Posted Speed Limit
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Posted Speed Limit
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

2 Lane Via Las Cumbres Alternative Model Outputs


Mission Valley Alt6 A1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2896
2853
2879
2823
2888
2895
2908
2989
2982
2951
2917
3018
3051
3057
3064
3072
899
2,201
32,255
26,913
25,030
14,290
6,403
5,116
8,256
6,827
4,749
2,255
4,271
6,929
8,061
12,579
13,107
10,040
15,254
97,701
105,571
2,911
2,541
1,336
3,441
2,051
3,492
4,677
13,571
11,039
14,896
107,701
13,889
1,041
10,371
12,896
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 A2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2796
2815
2854
2909
2910
2918
2913
2980
2960
2984
2917
3015
3046
3066
3063
3076
3062
0
20,263
127
1,765
4,759
11,570
20,503
16,145
33,360
5,015
7,564
3,880
2,916
9,875
27,608
745
413
1,124
3,989
17,873
7,359
8,448
3,814
16,600
9,168
14,492
5,524
1,947
10,726
2,318
2,137
2,972
13,451
12,335
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

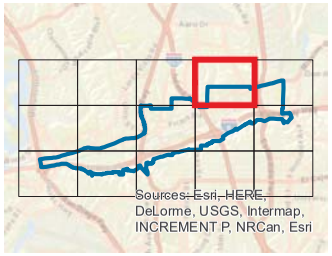

Mission Valley Alt6 A3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2910
2913
2839
245
2827
2832
2931
2884
2949
2984
2988
2999
3009
2991
3062
3070
3071
3077
14,800
14,653
1,719
847
16,145
108,399
102,511
3,886
9,294
2,428
5,342
49,727
6,598
85,254
84,493
44,258
56,512
46,933
34,593
33,360
36,584
30,285
4,743
3,875
97,655
94,381
103,953
109,700
14,751
41,213
10,588
19,287
307
19,980
1,592
1,401
21,215
22,187
14,714
101,042
10,278
33,138
2,062
32,515
17,103
14,789
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NCCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 A4 Road Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

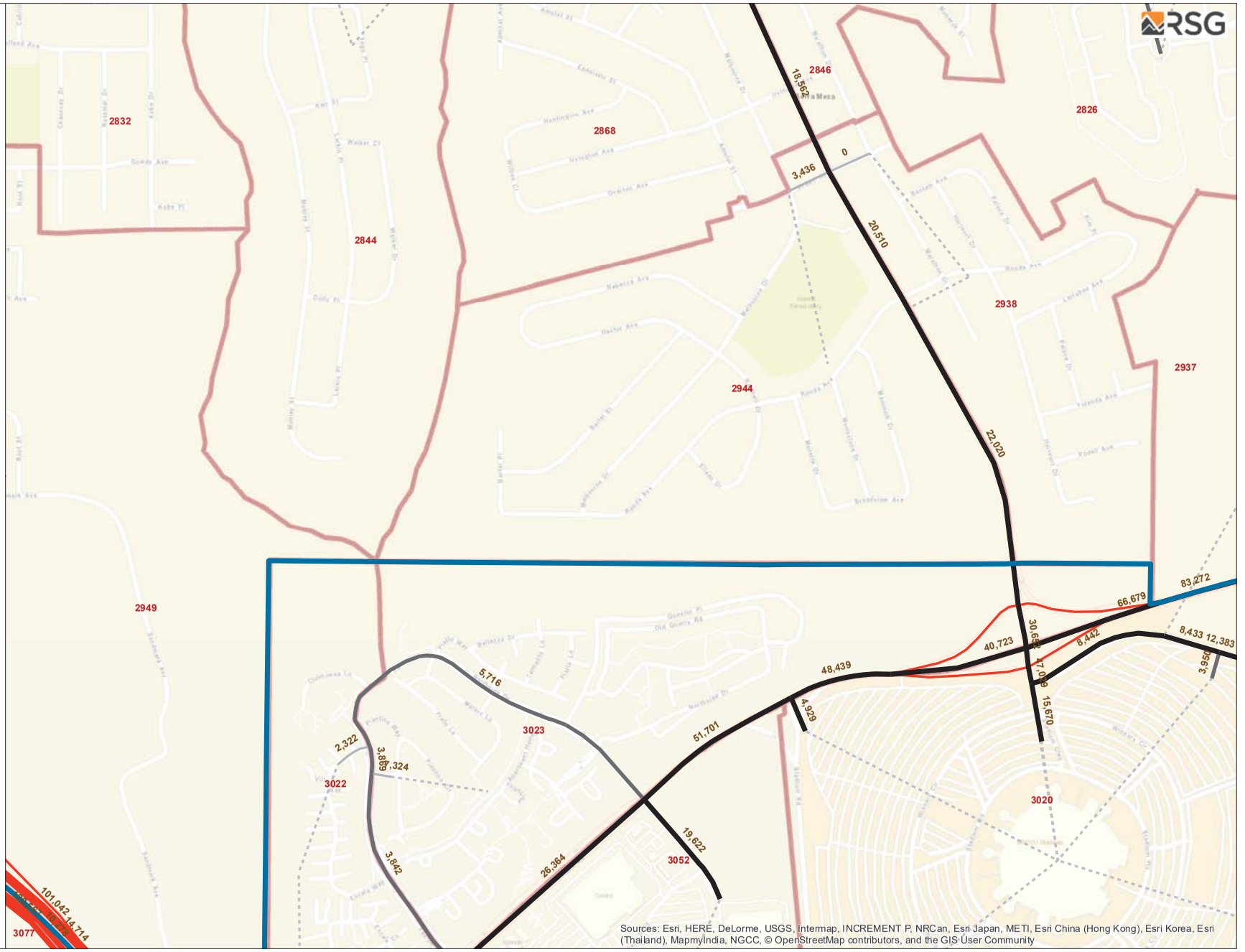
Orange Label - Total Daily Vehicle Flow

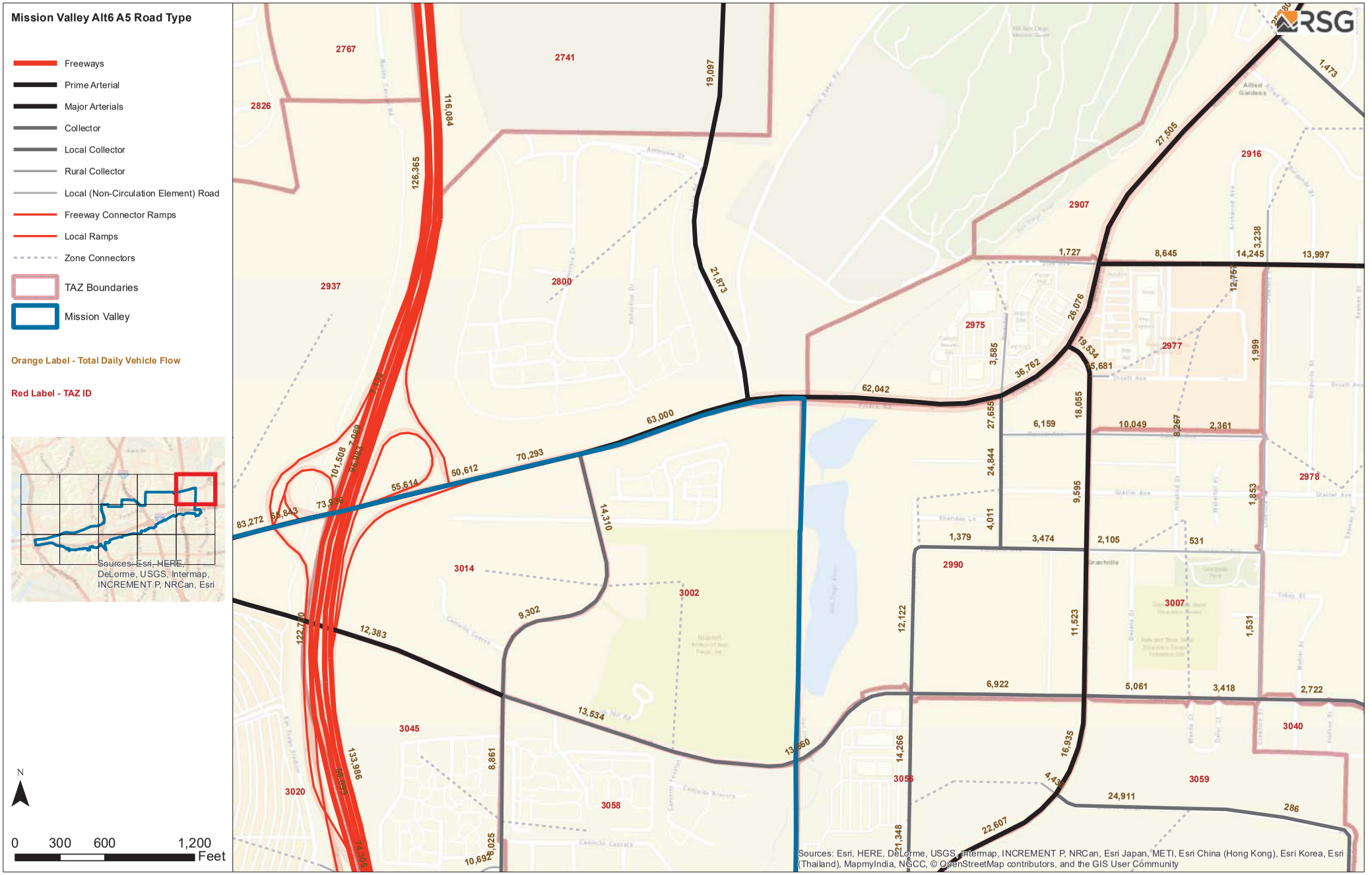
Red Label - TAZ ID

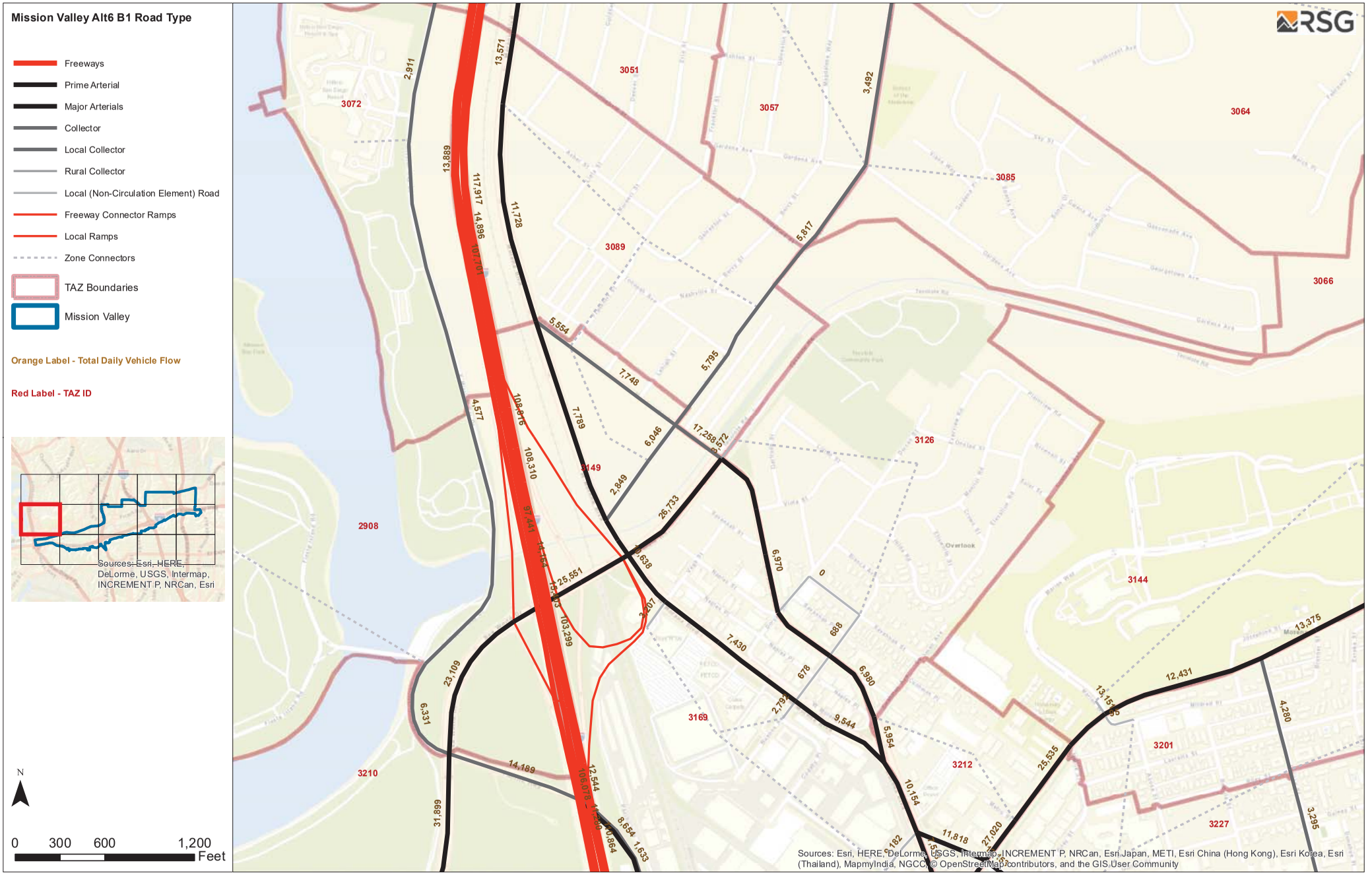


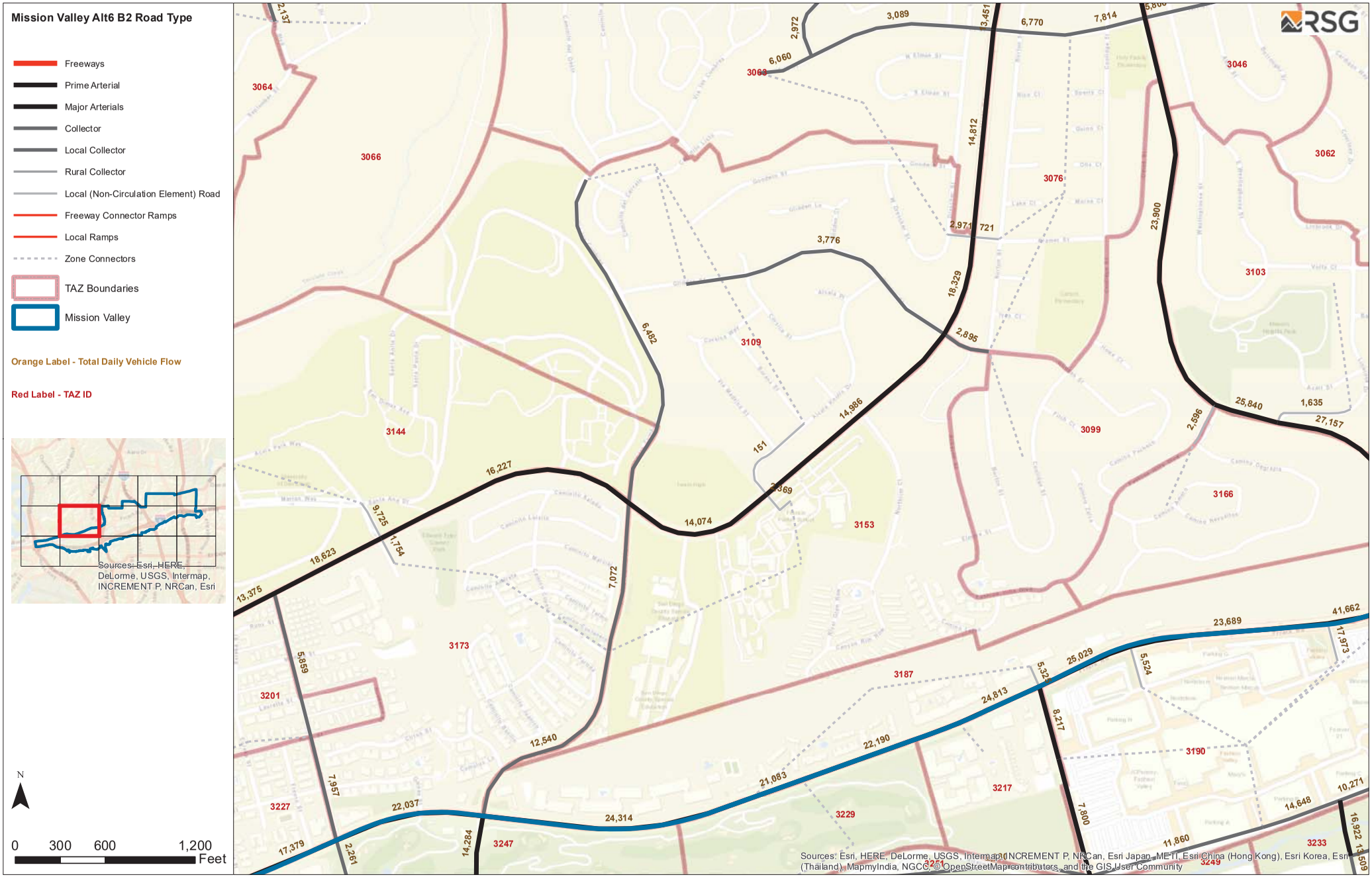
N

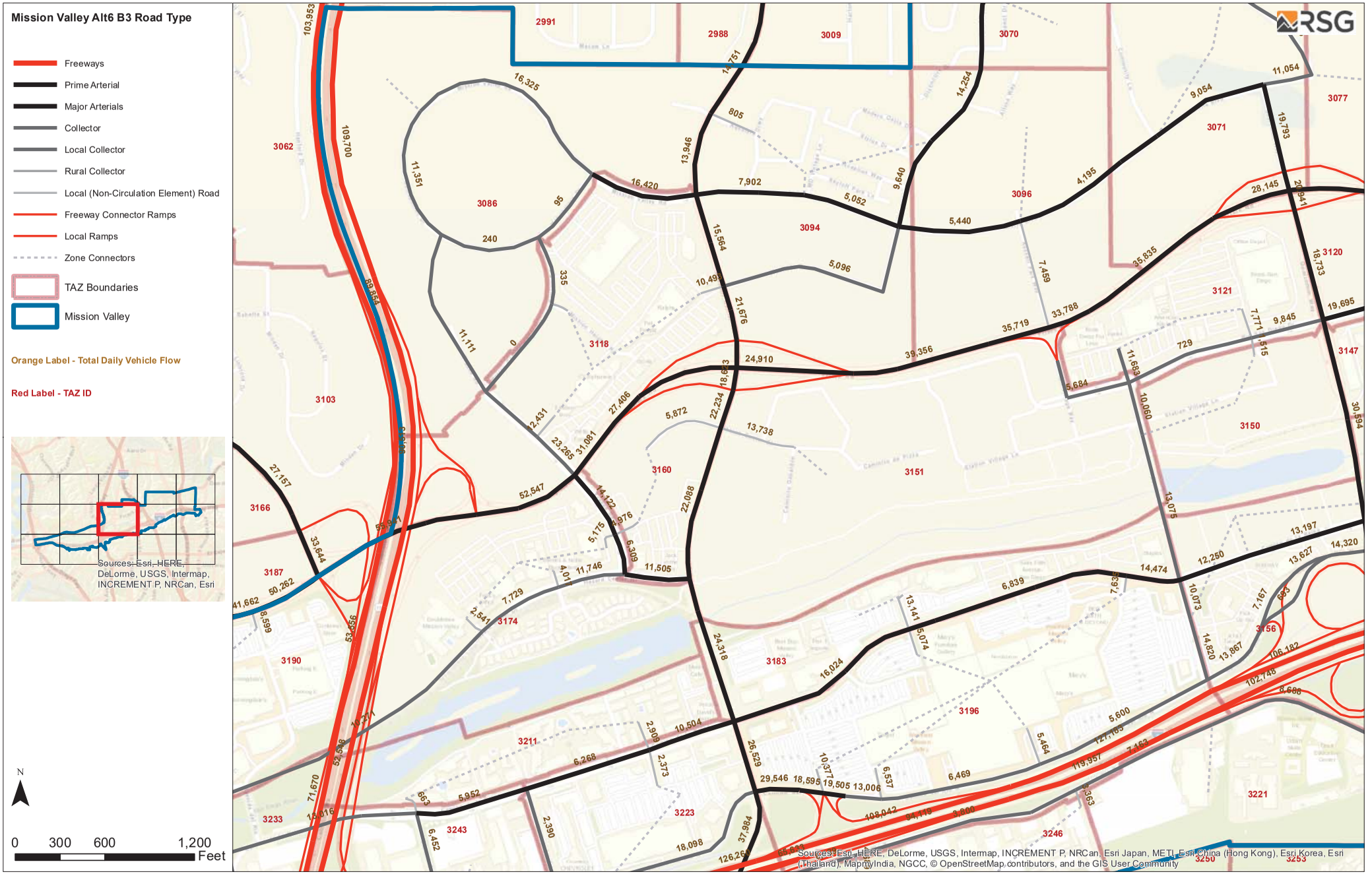
0 300 600 1,200 Feet

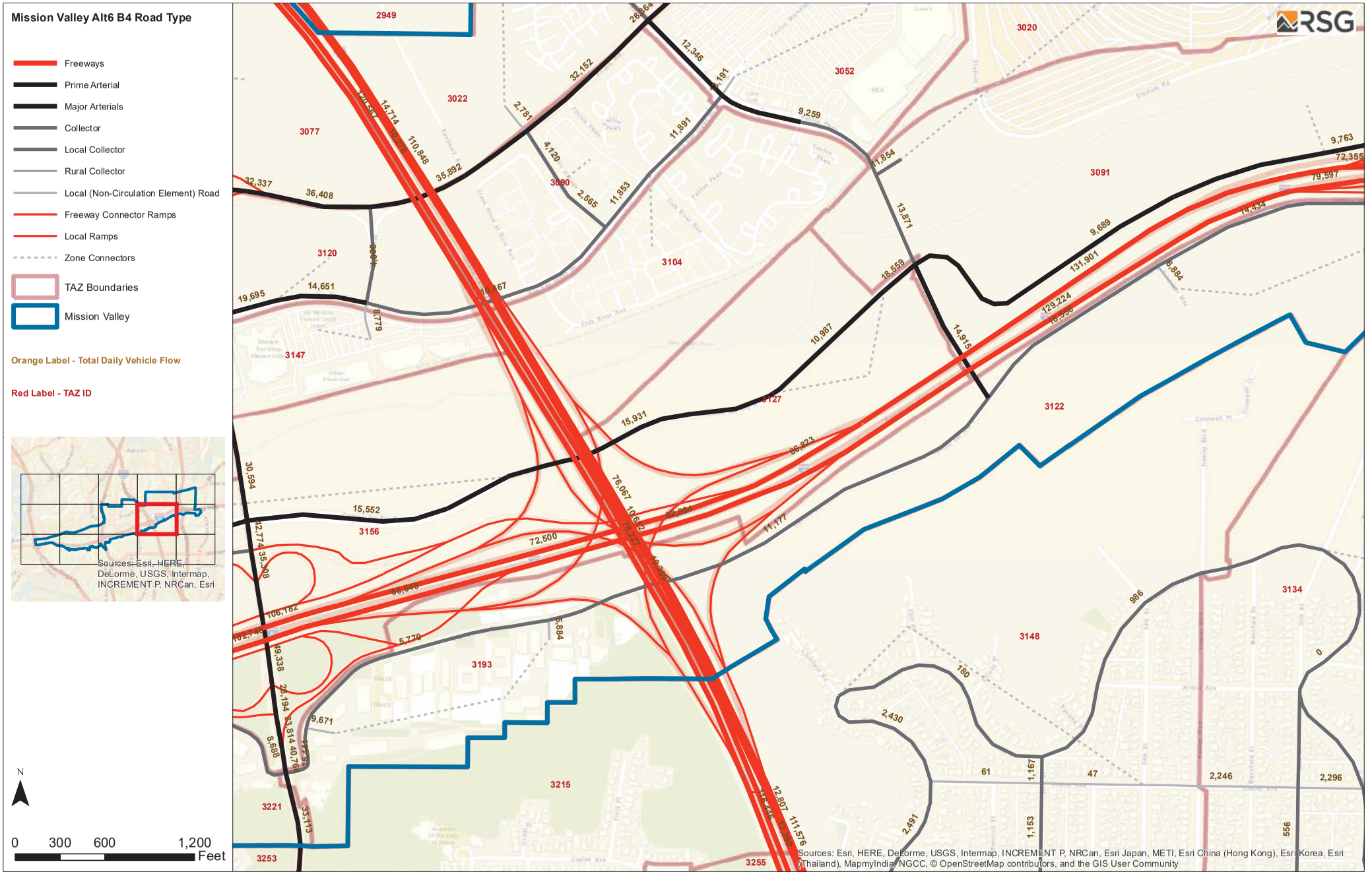


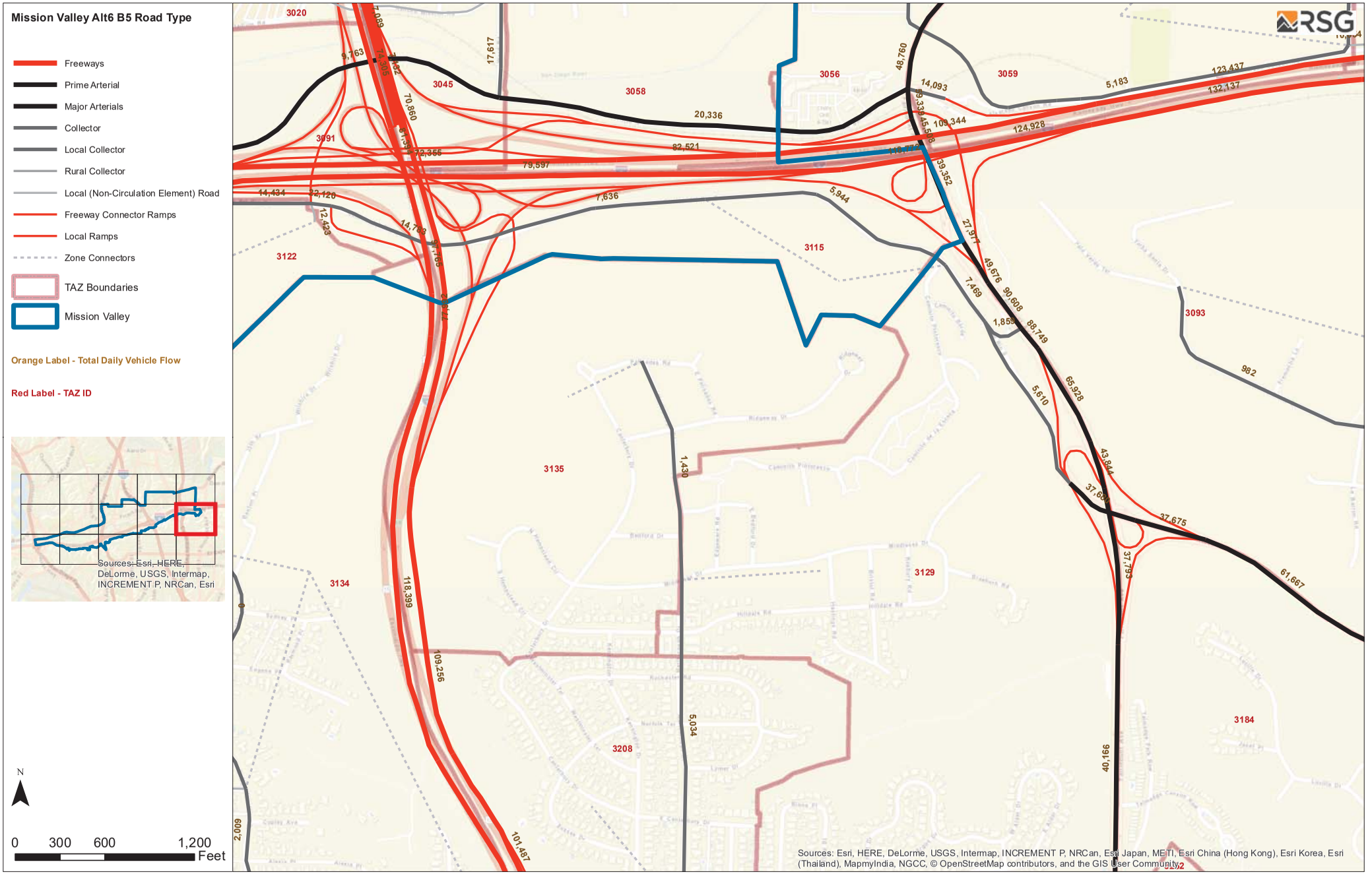

Mission Valley Alt6 A5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2767
2741
2826
2937
2800
2907
2916
2975
2977
2978
3014
3002
3045
3020
3058
3056
3059
3040
2990
3007
116,084
126,365
19,097
21,873
27,505
1,473
1,727
8,645
14,245
13,997
3,238
12,757
26,076
19,534
5,681
1,999
3,585
36,762
62,042
63,000
70,293
50,612
55,614
83,272
55,843
101,508
2,069
14,310
9,302
12,383
13,534
13,360
133,986
8,861
8,025
10,692
74,305
27,655
18,055
6,159
10,049
8,267
2,361
24,844
4,011
9,595
1,853
1,379
3,474
2,105
531
12,122
11,523
1,531
6,922
5,061
3,418
2,722
14,266
16,935
4,436
24,911
286
22,607
21,348
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

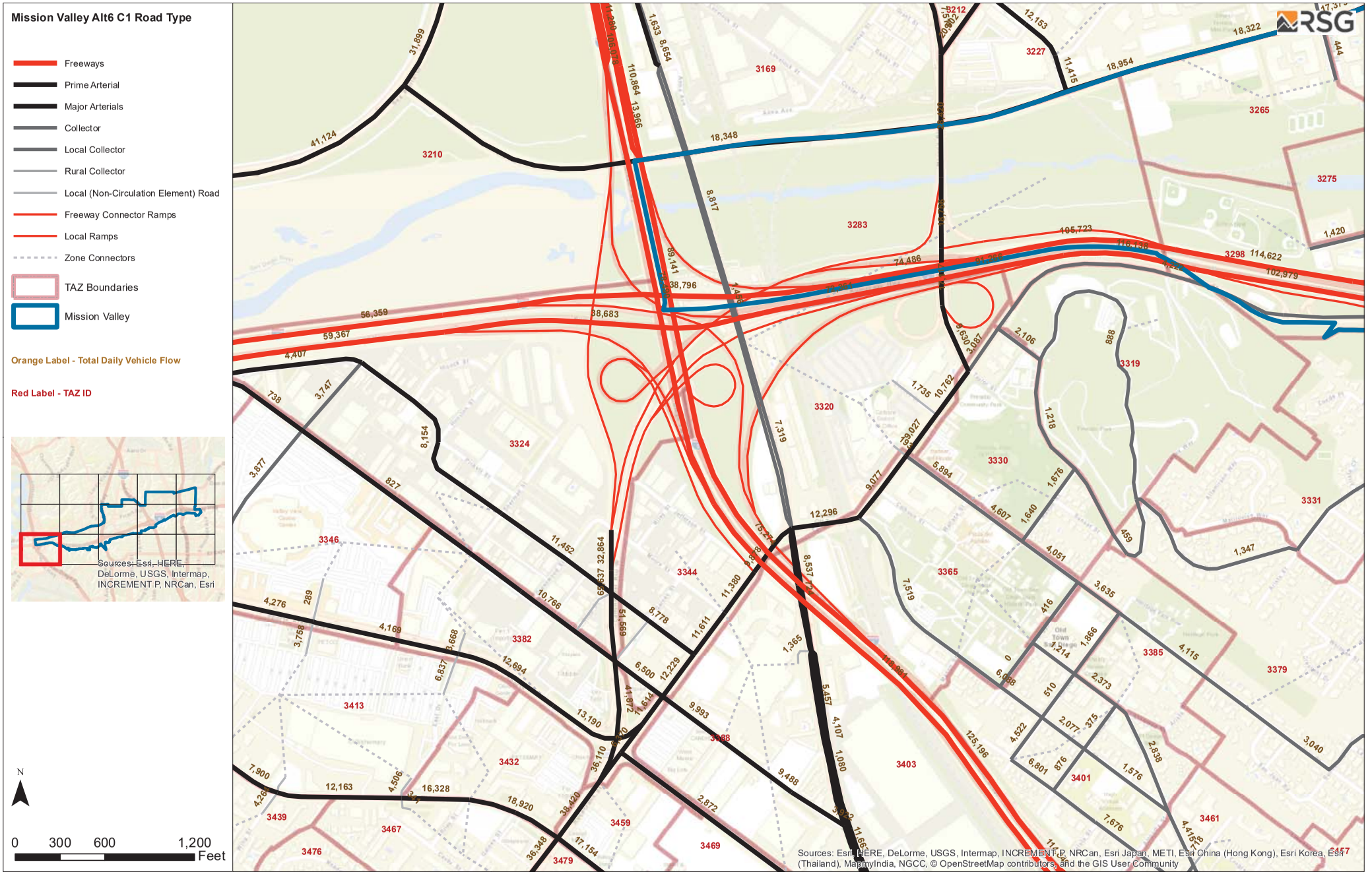

Mission Valley Alt6 B1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
3072
3051
3057
3064
3085
3089
3066
3126
3149
2908
3144
3169
3201
3212
3210
3227
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

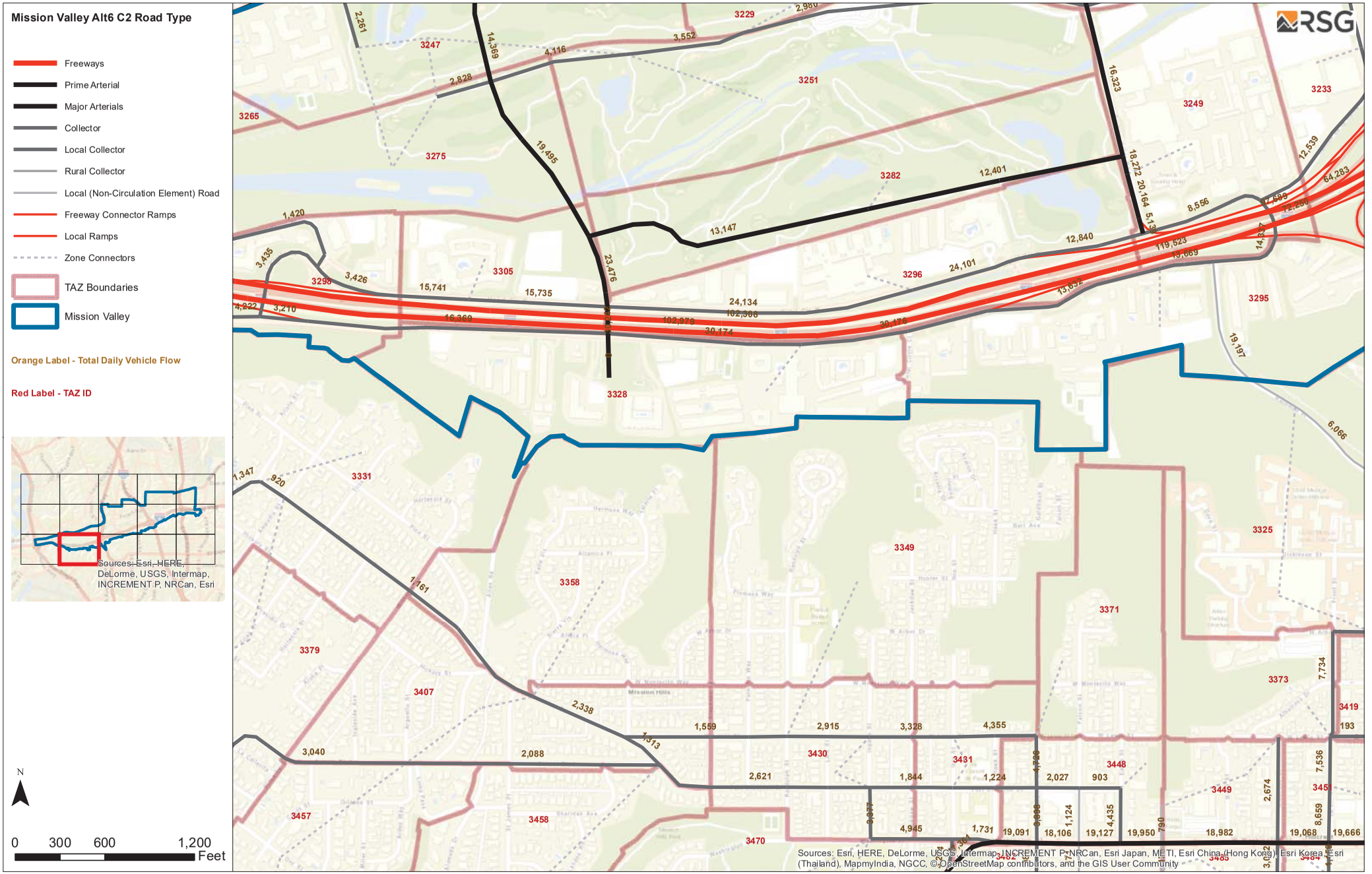

Mission Valley Alt6 B2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
3064
3066
3068
3046
3062
3076
3103
3109
3144
3099
3166
3153
3173
3187
3201
3190
3217
3227
3229
3247
3233
3249
3251
2,137
2,972
3,089
6,060
6,770
7,814
3,451
14,812
3,776
18,329
23,900
2,971
721
6,482
2,895
14,986
151
2,596
25,840
1,635
27,157
16,227
9,725
1,754
18,623
13,375
14,074
7,072
5,859
7,957
2,261
12,540
22,037
17,379
14,284
24,314
21,083
22,190
24,813
5,324
25,029
23,689
41,662
17,973
5,524
8,217
7,800
14,648
10,271
11,860
16,922
13,509
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

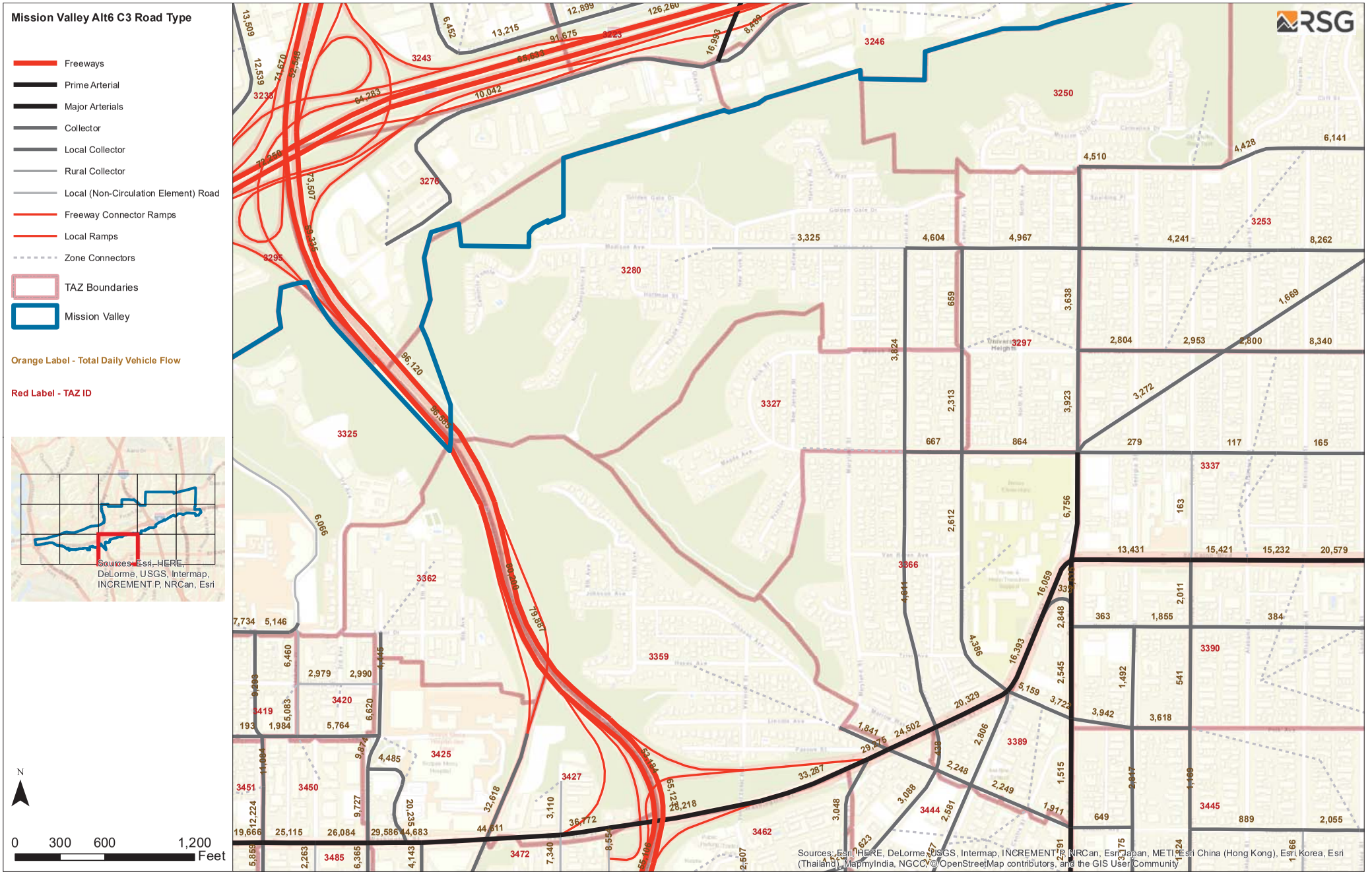

Mission Valley Alt6 B3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

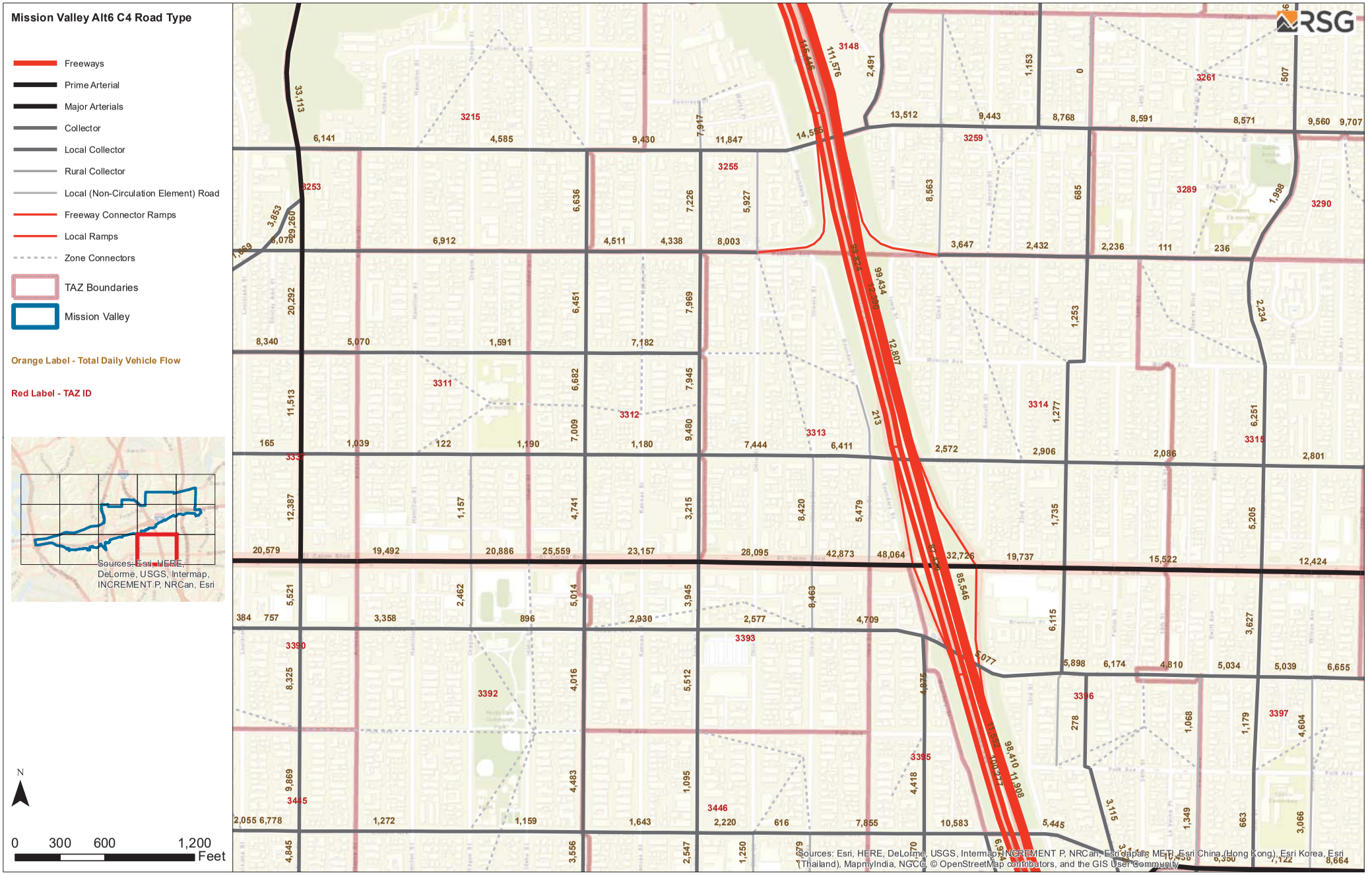

Mission Valley Alt6 B4 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2949
3020
3052
3022
3077
3091
3120
3104
3147
3122
3156
3148
3134
3193
3215
3221
3253
3255
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

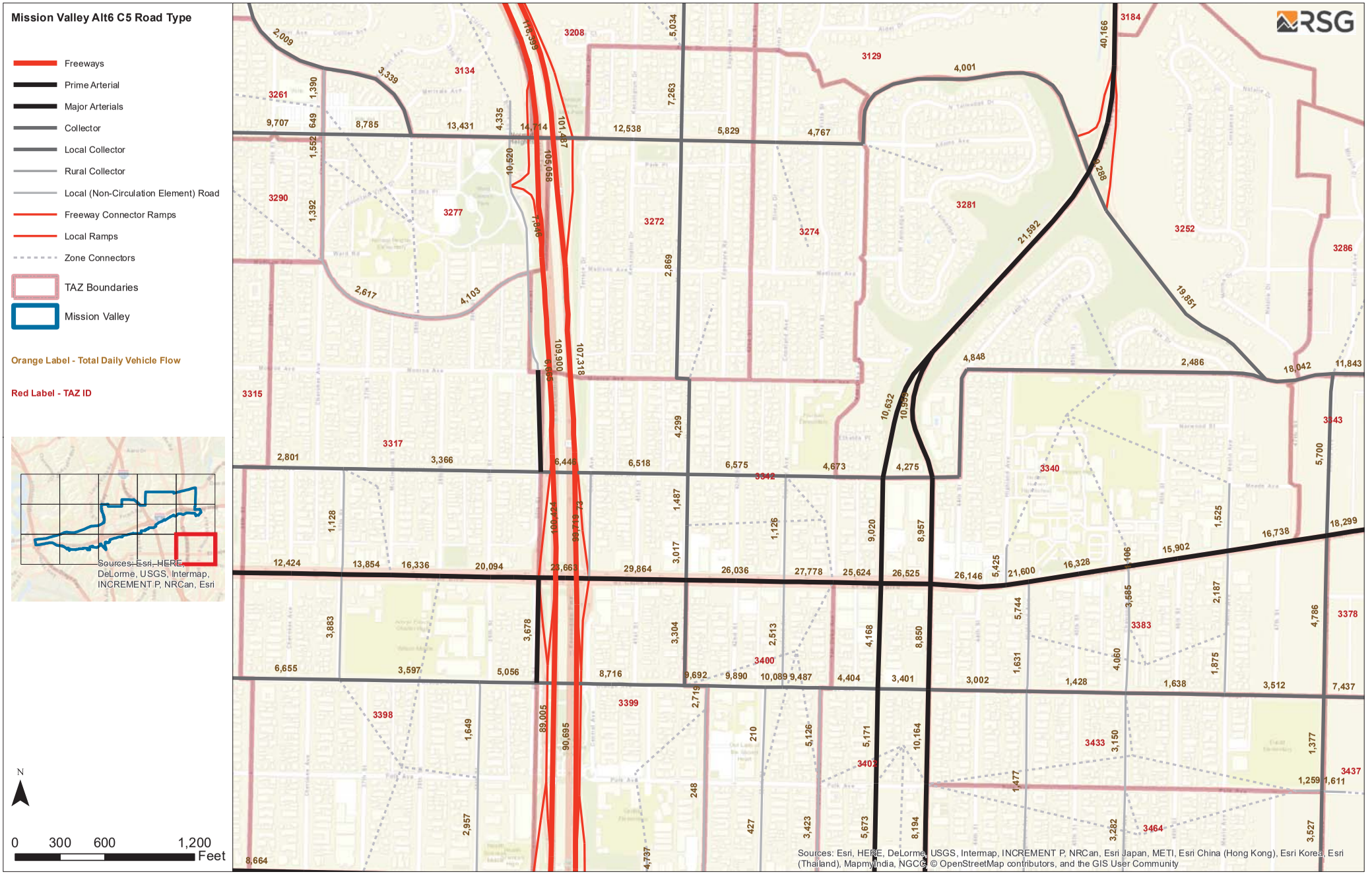

Mission Valley Alt6 B5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
3020
3045
3058
3056
3059
3091
3122
3115
3135
3134
3129
3093
982
3184
3208
17,617
48,760
14,093
5,183
123,437
132,137
109,344
124,928
82,521
79,597
39,352
5,944
7,636
27,971
49,676
90,608
88,749
65,928
5,610
43,844
37,675
37,793
61,667
1,430
118,399
109,256
5,034
40,166
101,487
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

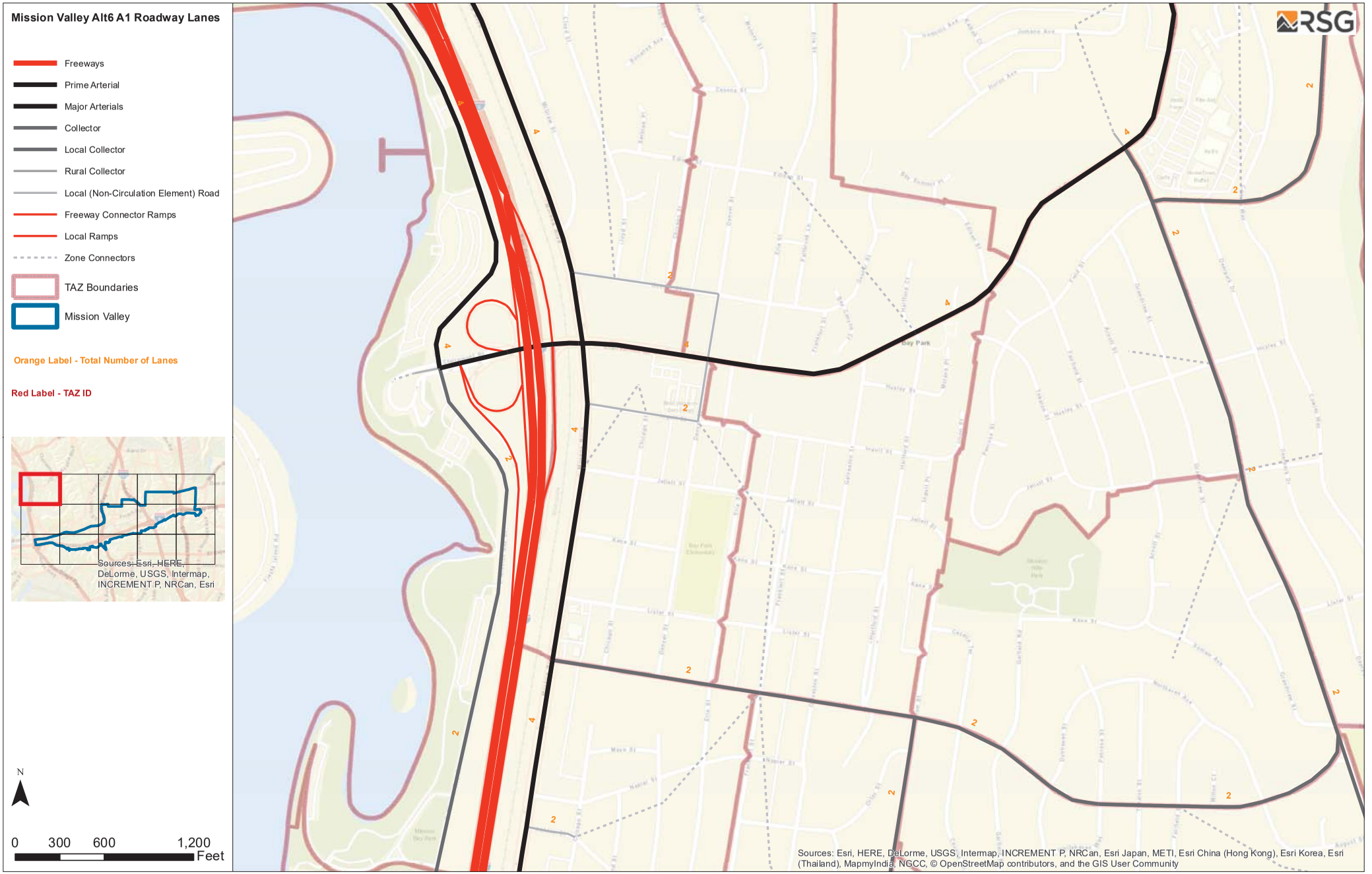

Mission Valley Alt6 C1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C4 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Mapmyindia, NGCC, © OpenStreetMap contributors, and the GIS User Community

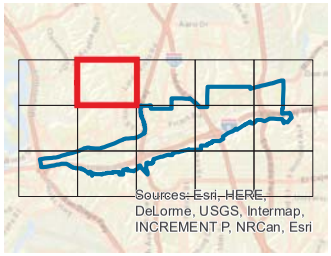

Mission Valley Alt6 A1 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 A2 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

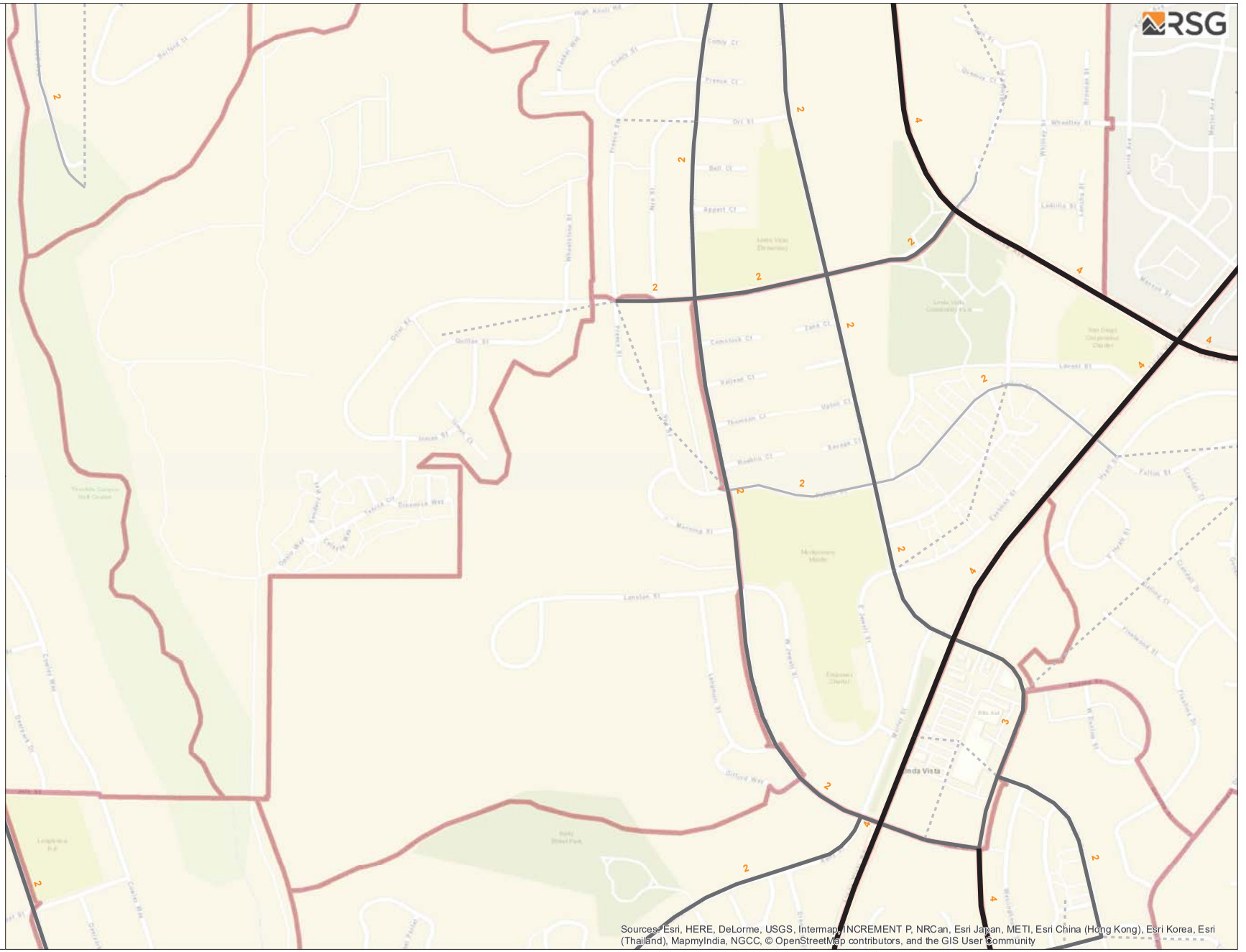
Orange Label - Total Number of Lanes

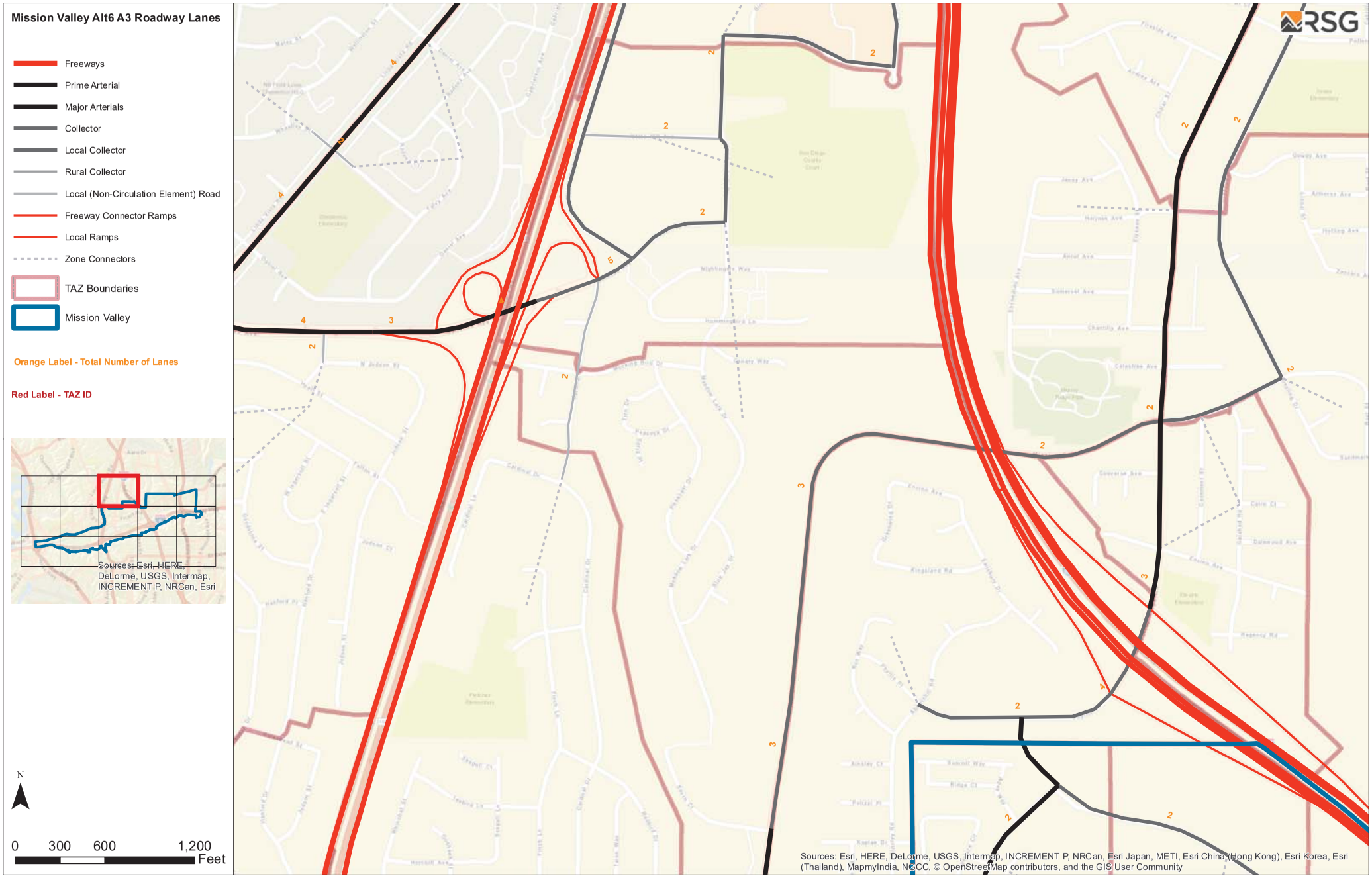
Red Label - TAZ ID



N

0 300 600 1,200 Feet



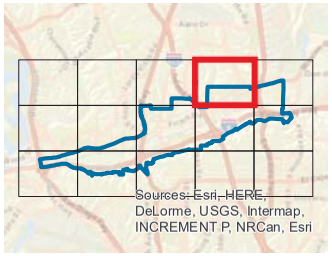

Mission Valley Alt6 A3 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 A4 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

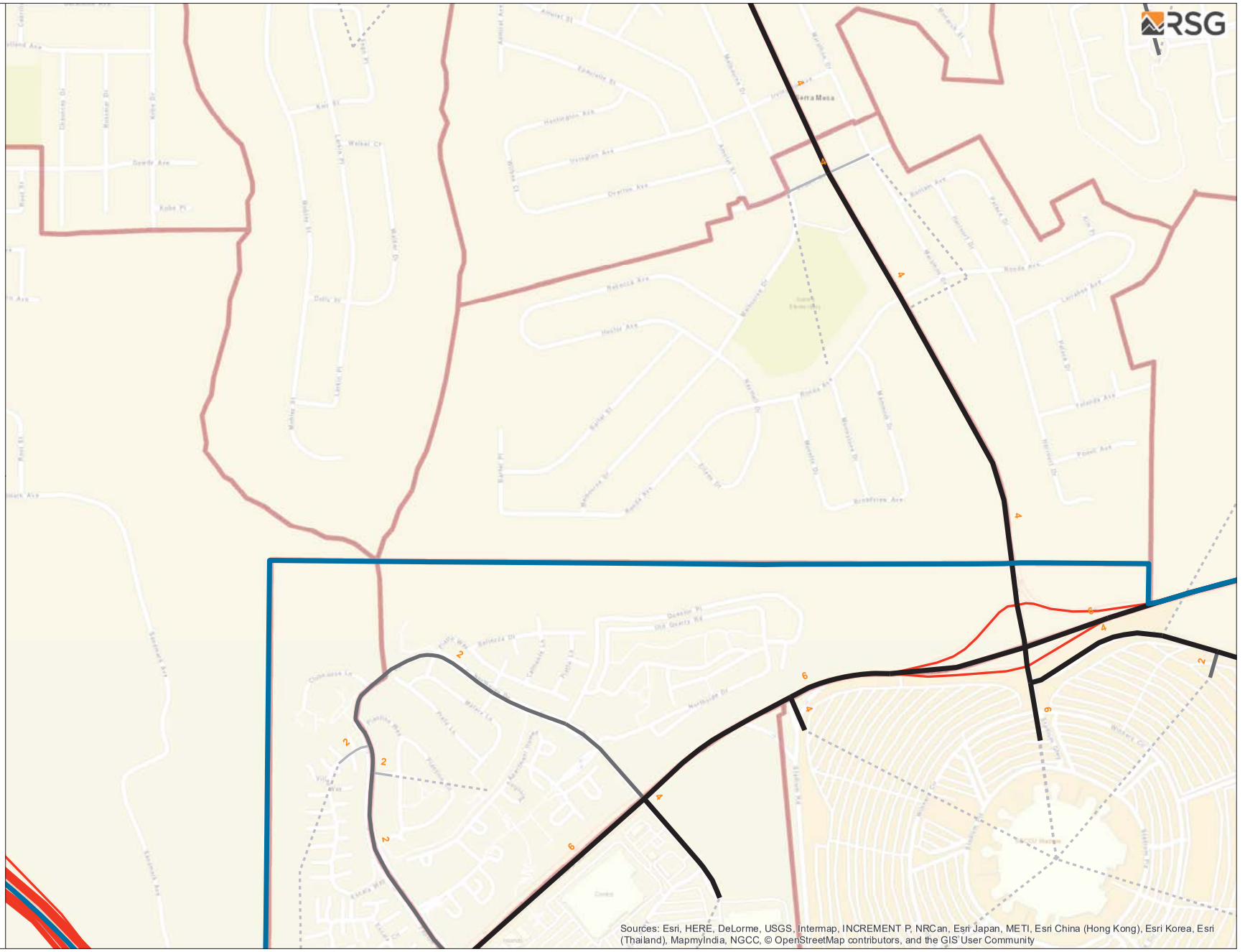
Orange Label - Total Number of Lanes

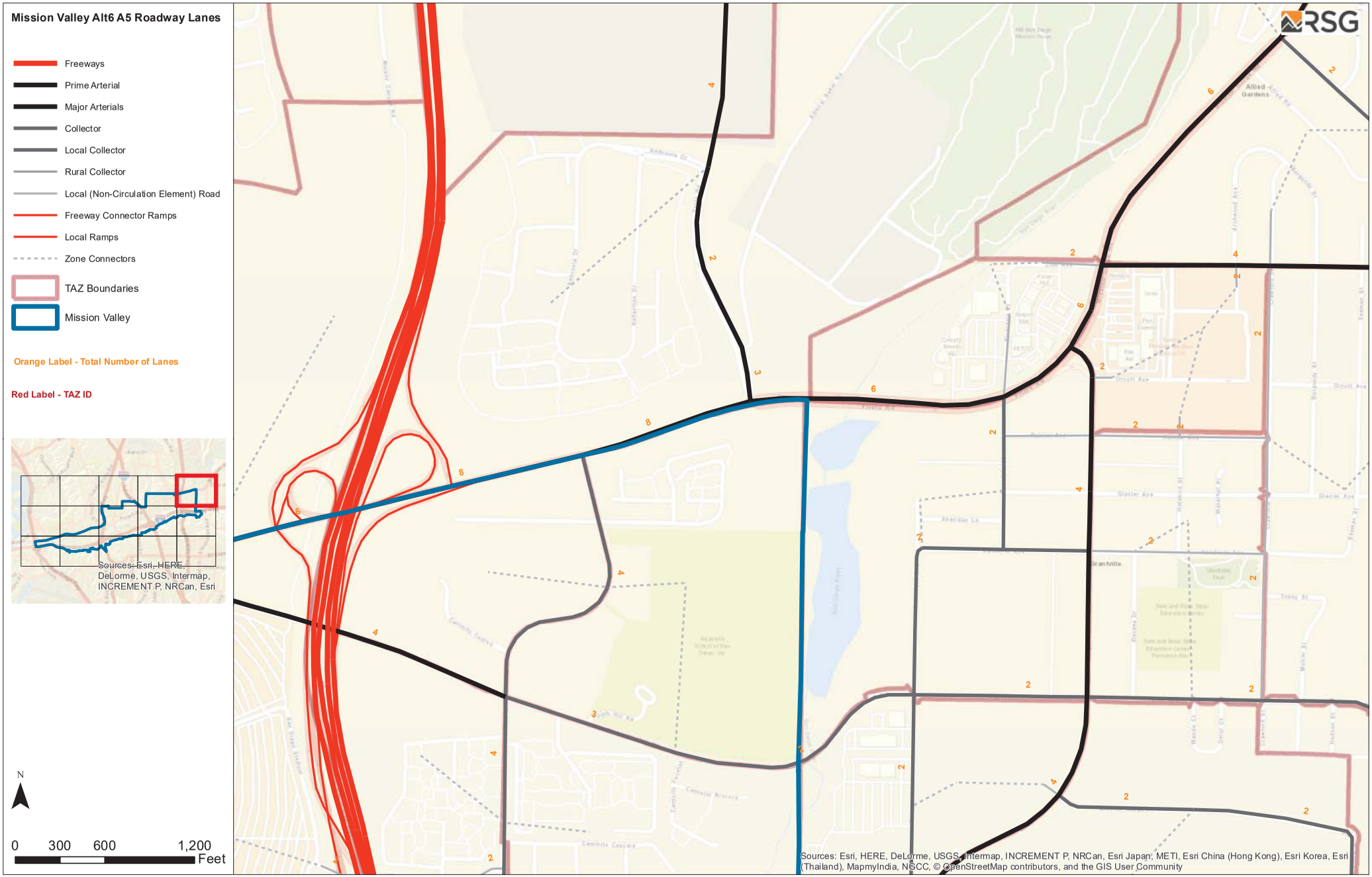
Red Label - TAZ ID



N

0 300 600 1,200 Feet



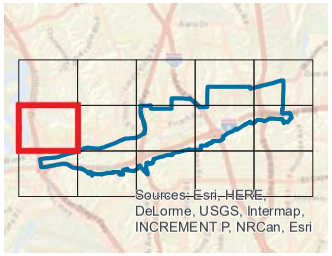

Mission Valley Alt6 A5 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 B1 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID



N

0 300 600 1,200 Feet

RSG

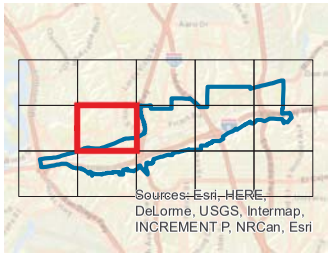
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 B2 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID



N

0 300 600 1,200 Feet

RSG

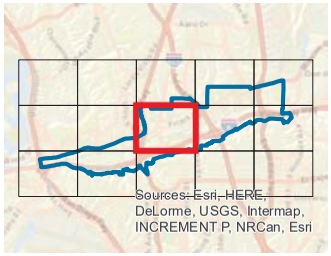
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 B3 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

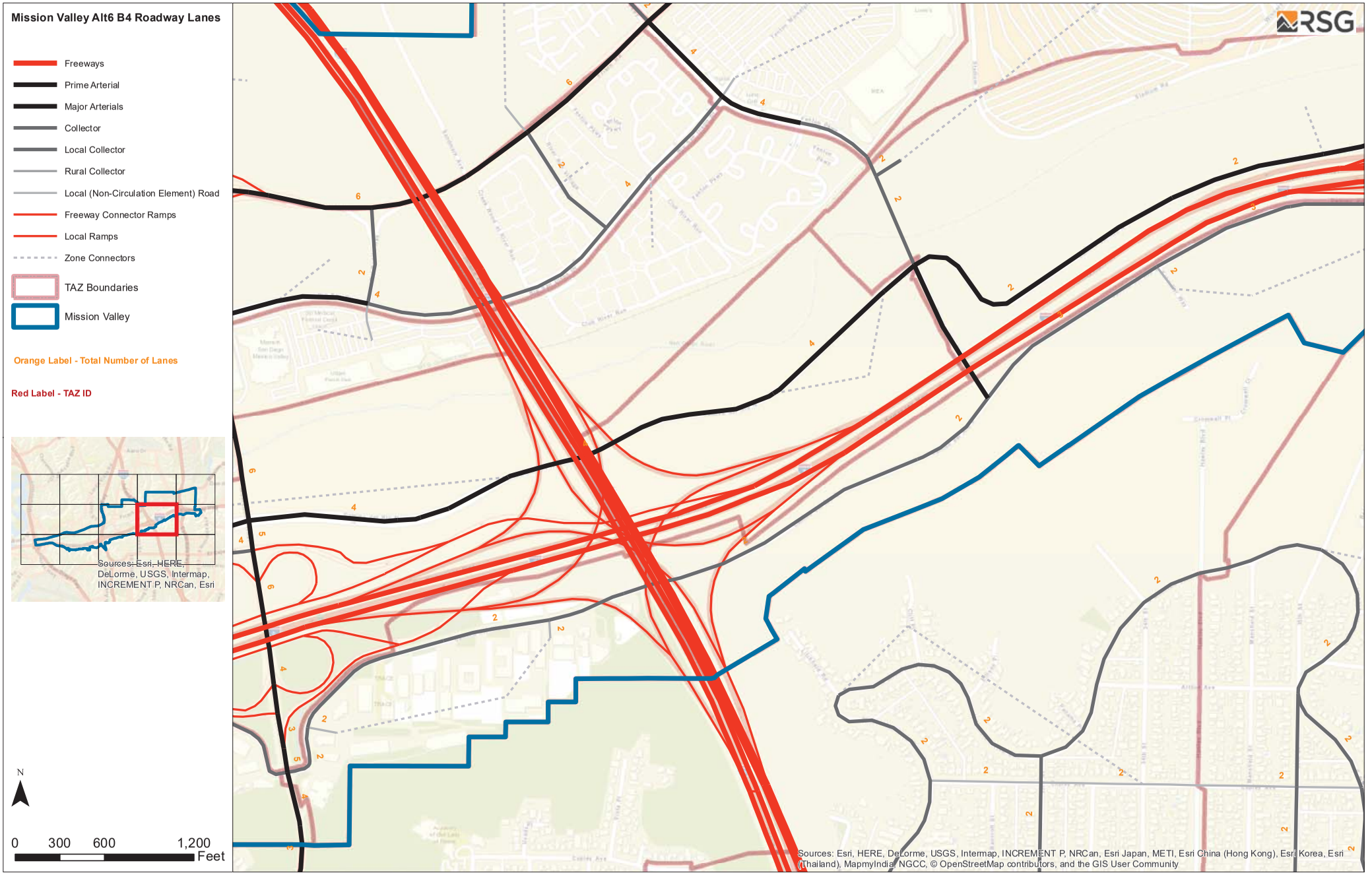


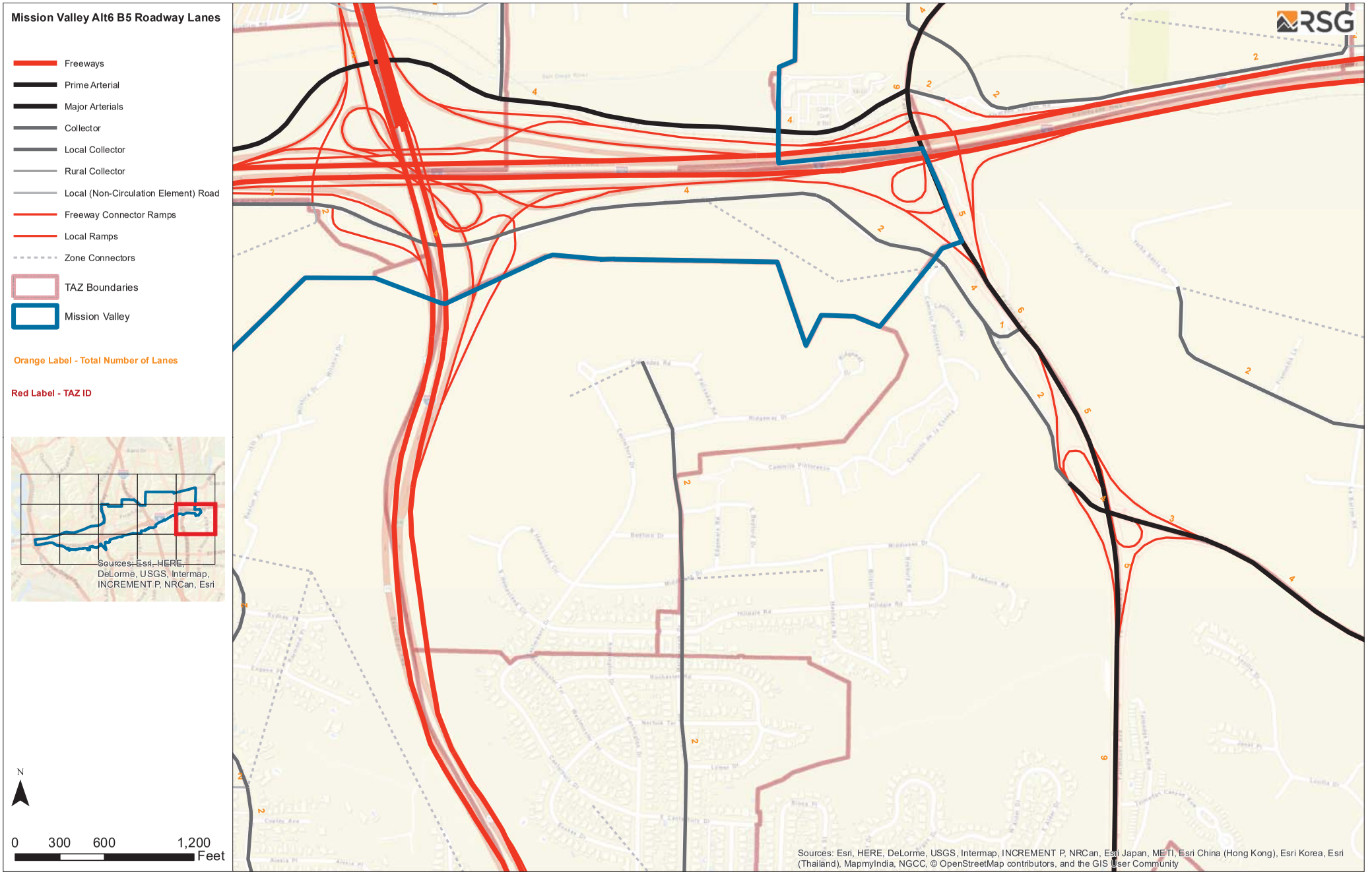
N

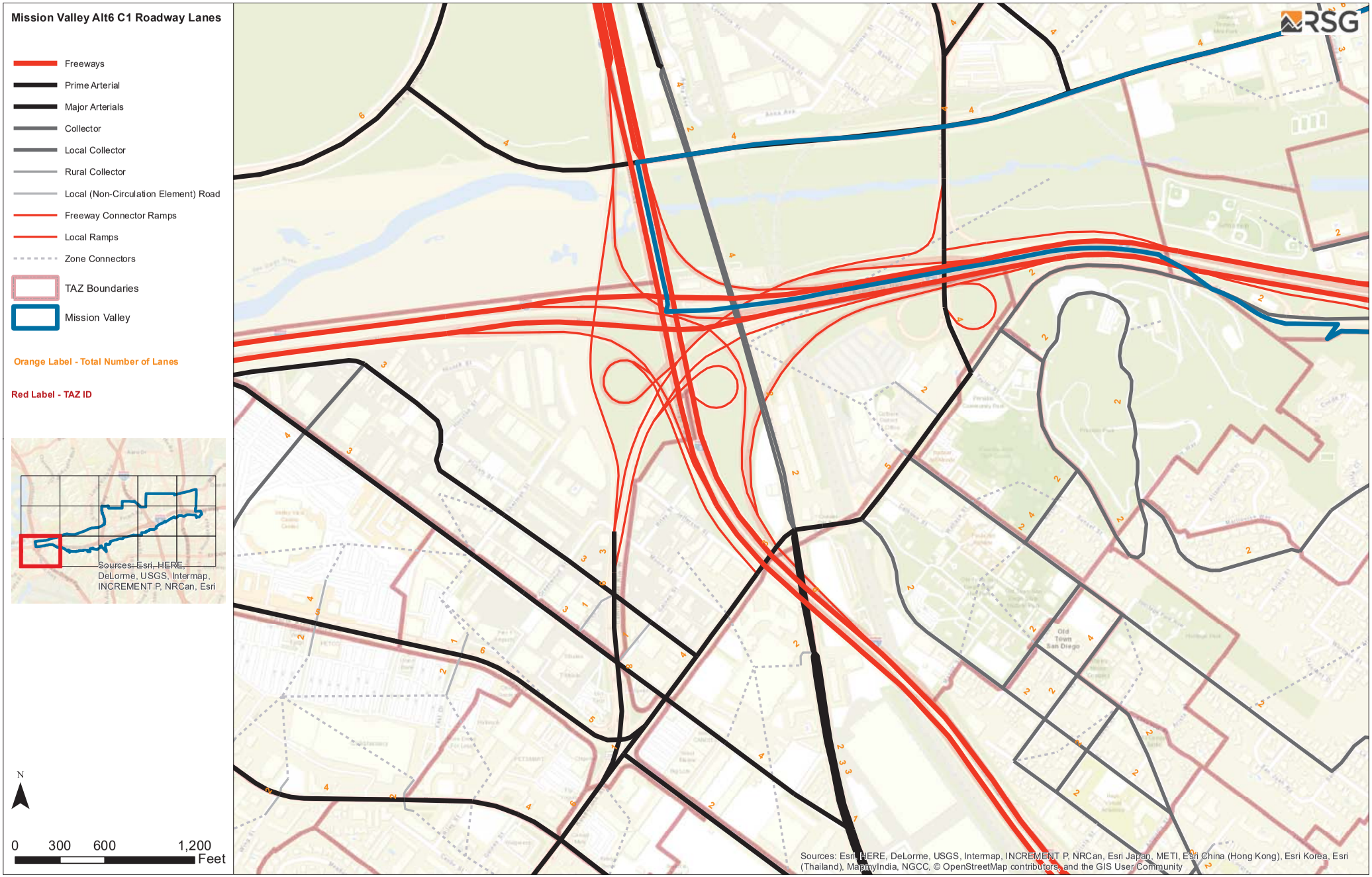
0 300 600 1,200 Feet

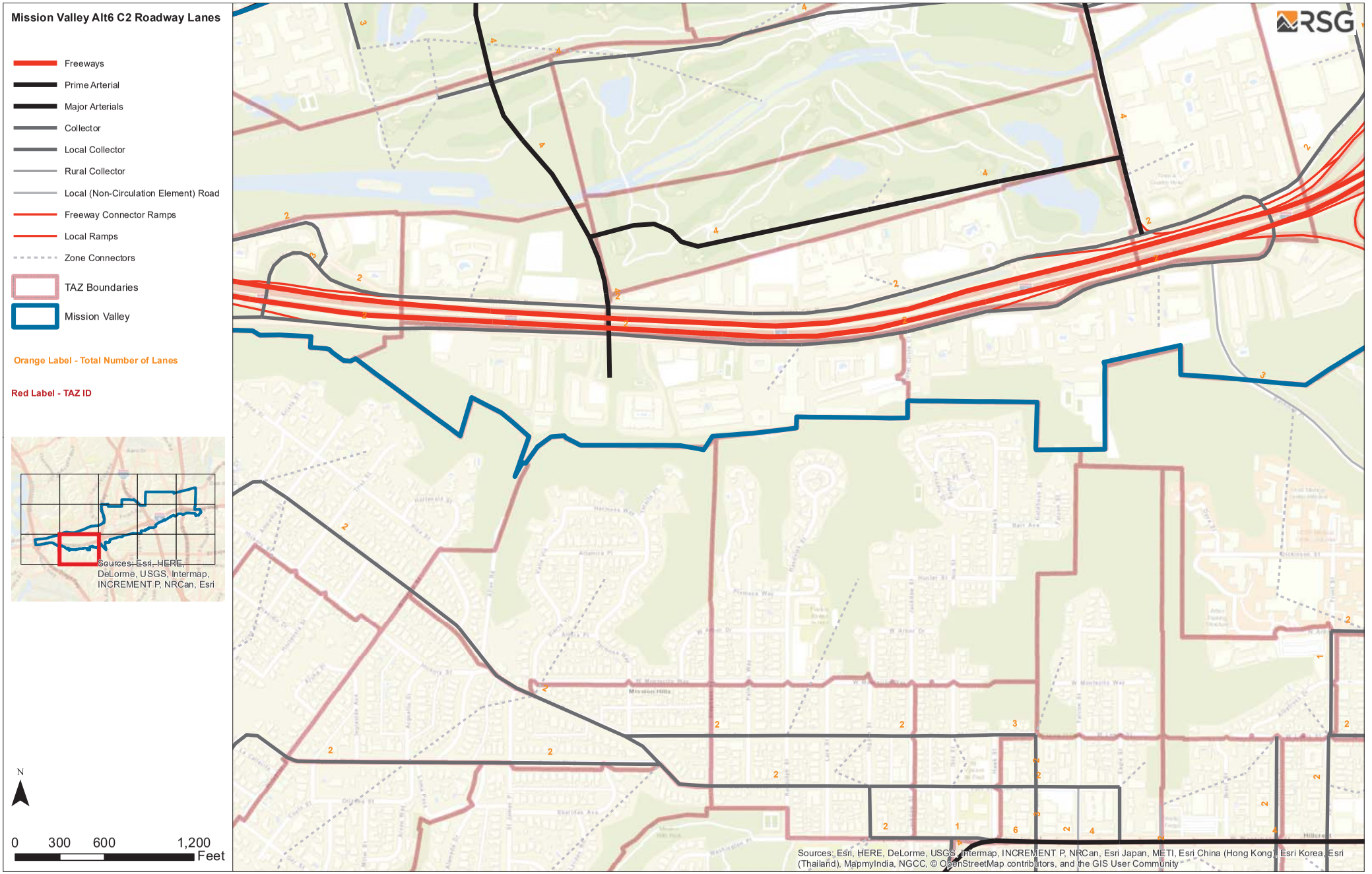
RSG

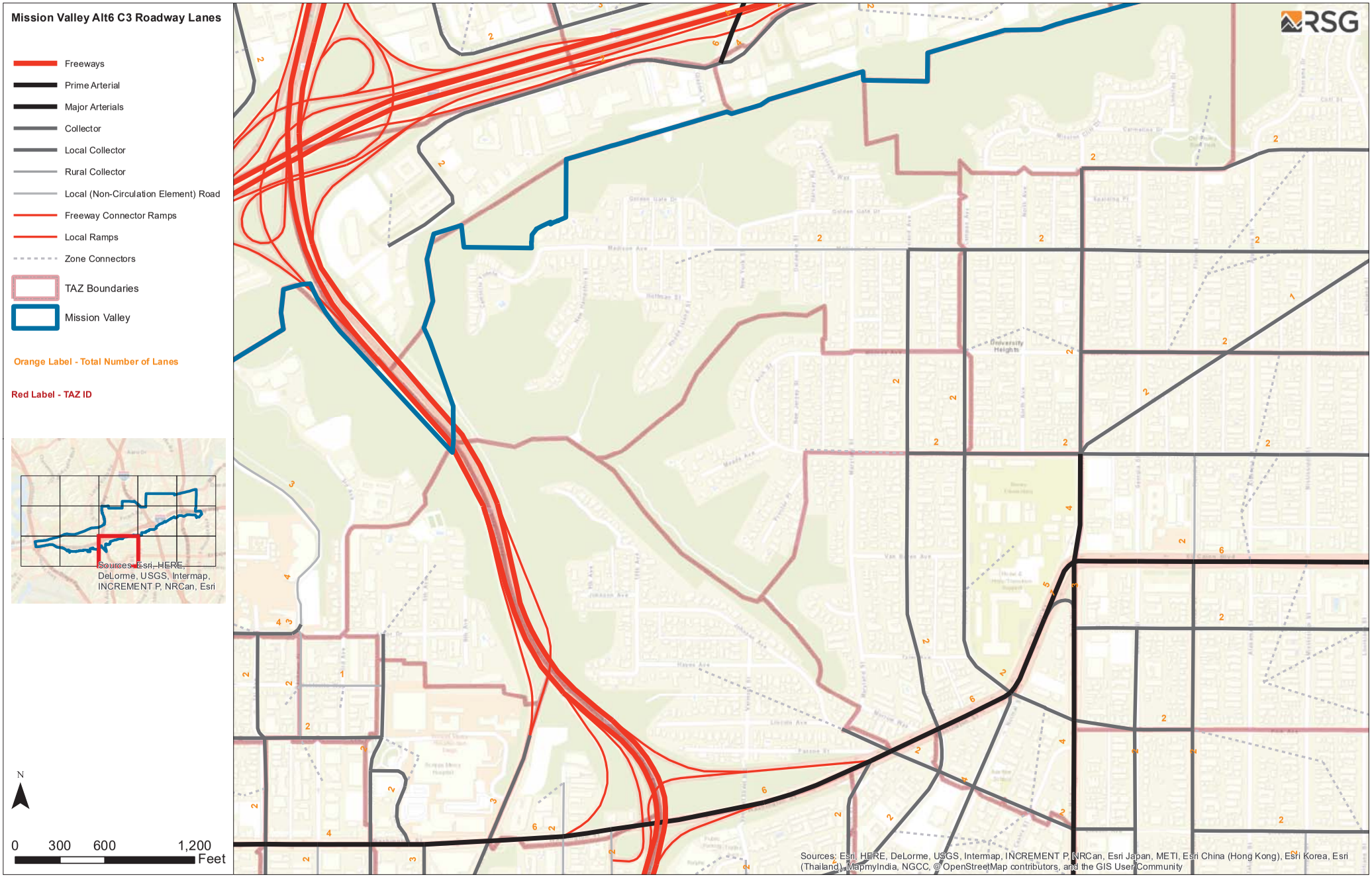
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 B4 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 B5 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C1 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C2 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

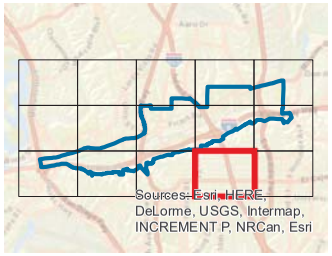

Mission Valley Alt6 C3 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 C4 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

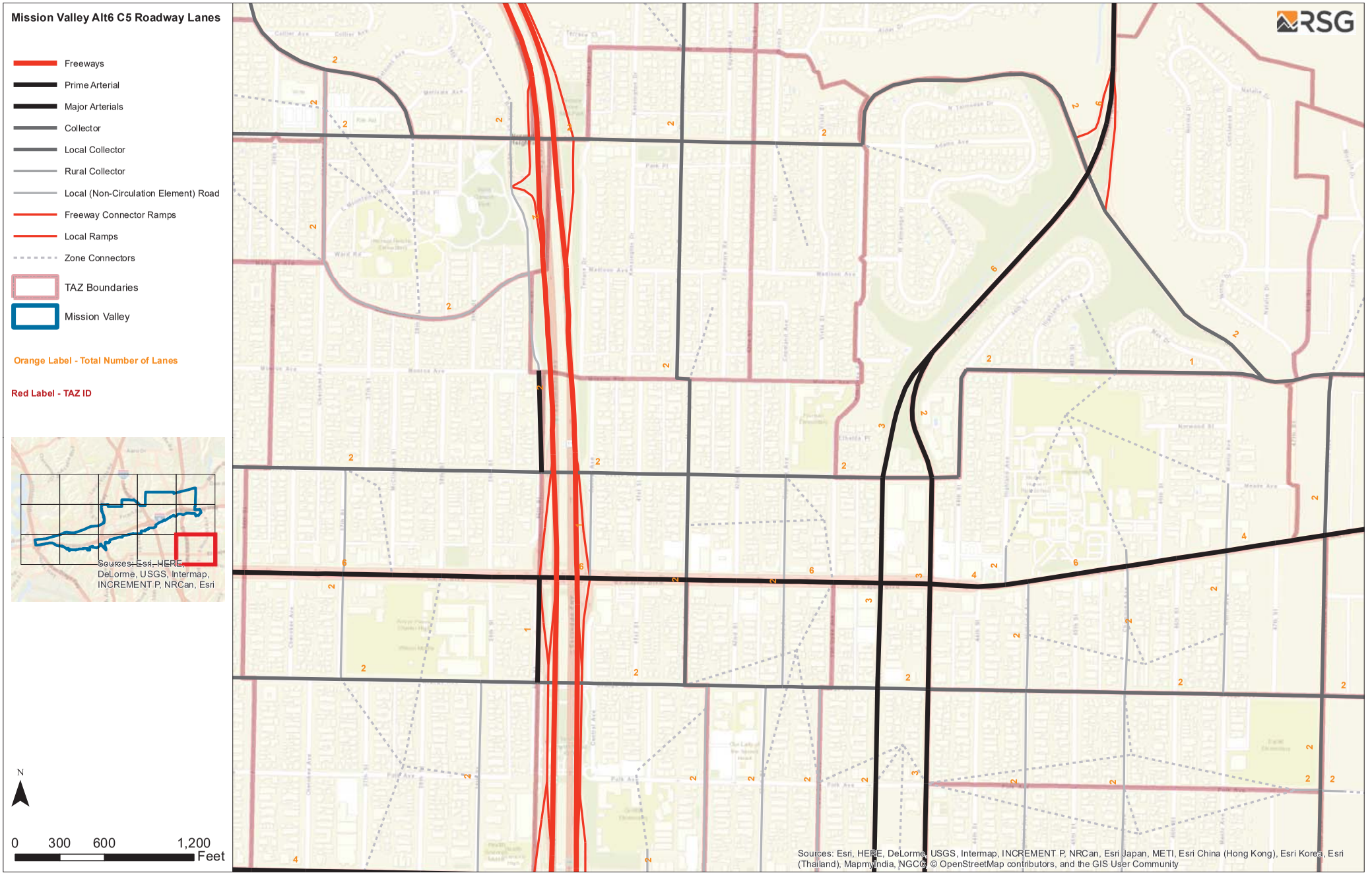


N

0 300 600 1,200 Feet

RSG

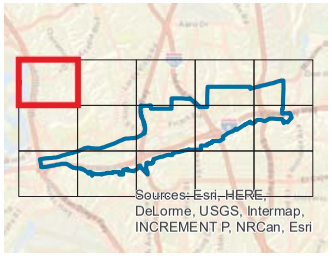
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C5 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Mapmyindia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 A1 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

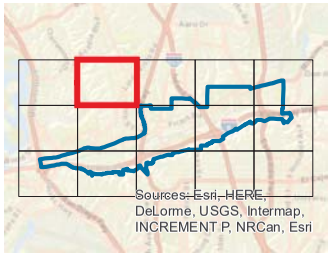
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 A2 Medians

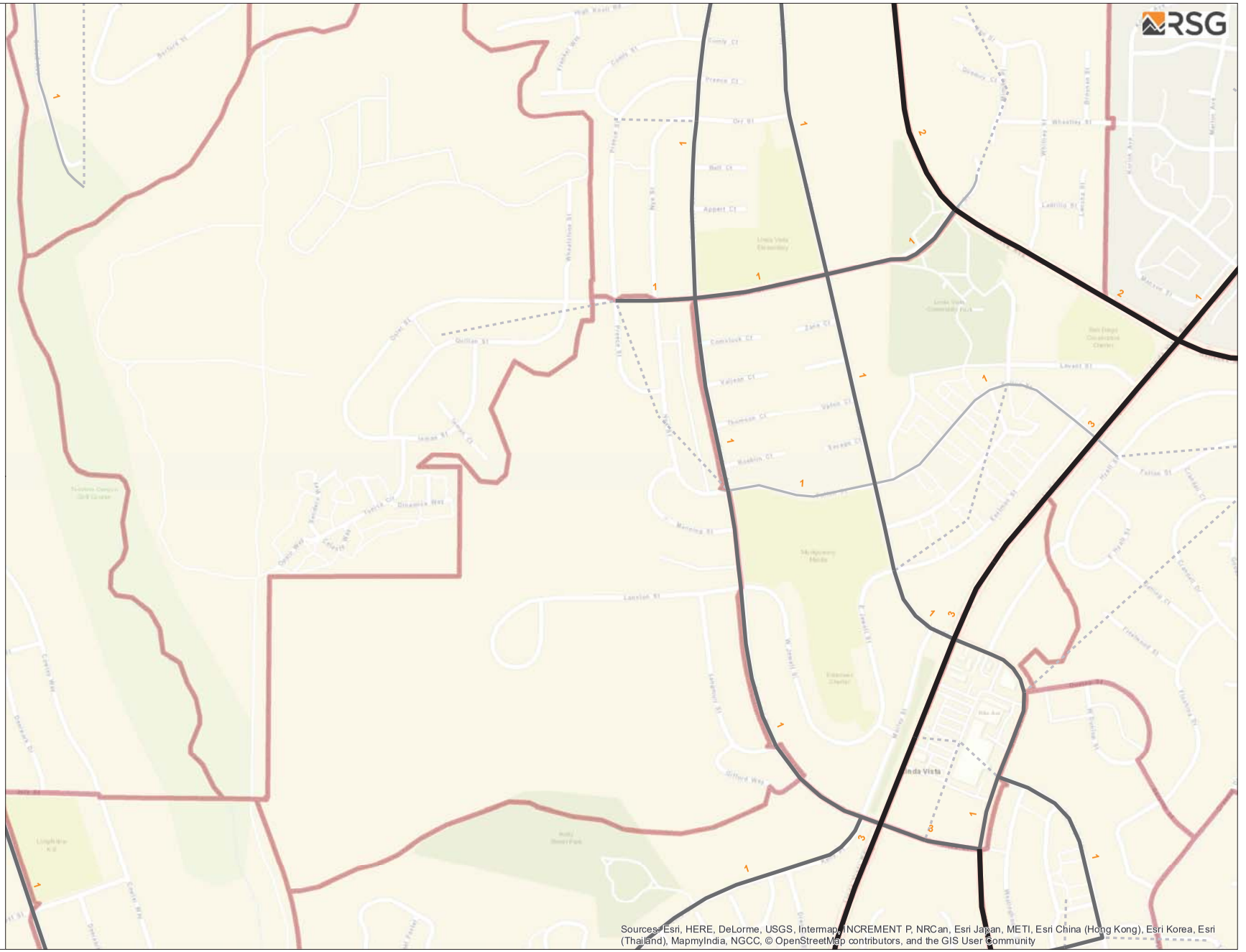
- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

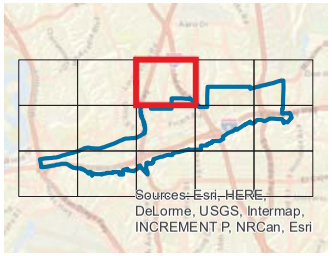
0 300 600 1,200 Feet



Mission Valley Alt6 A3 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

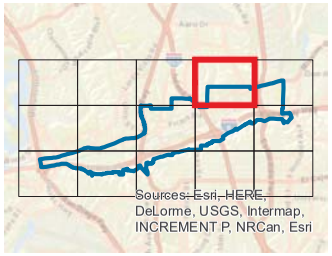
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 A4 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

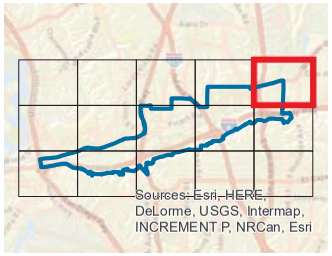
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 A5 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

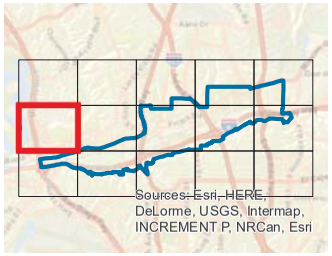
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 B1 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

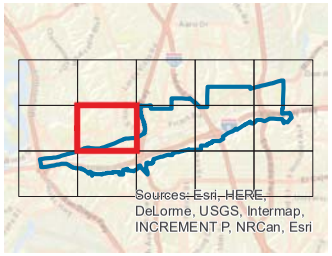
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 B2 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

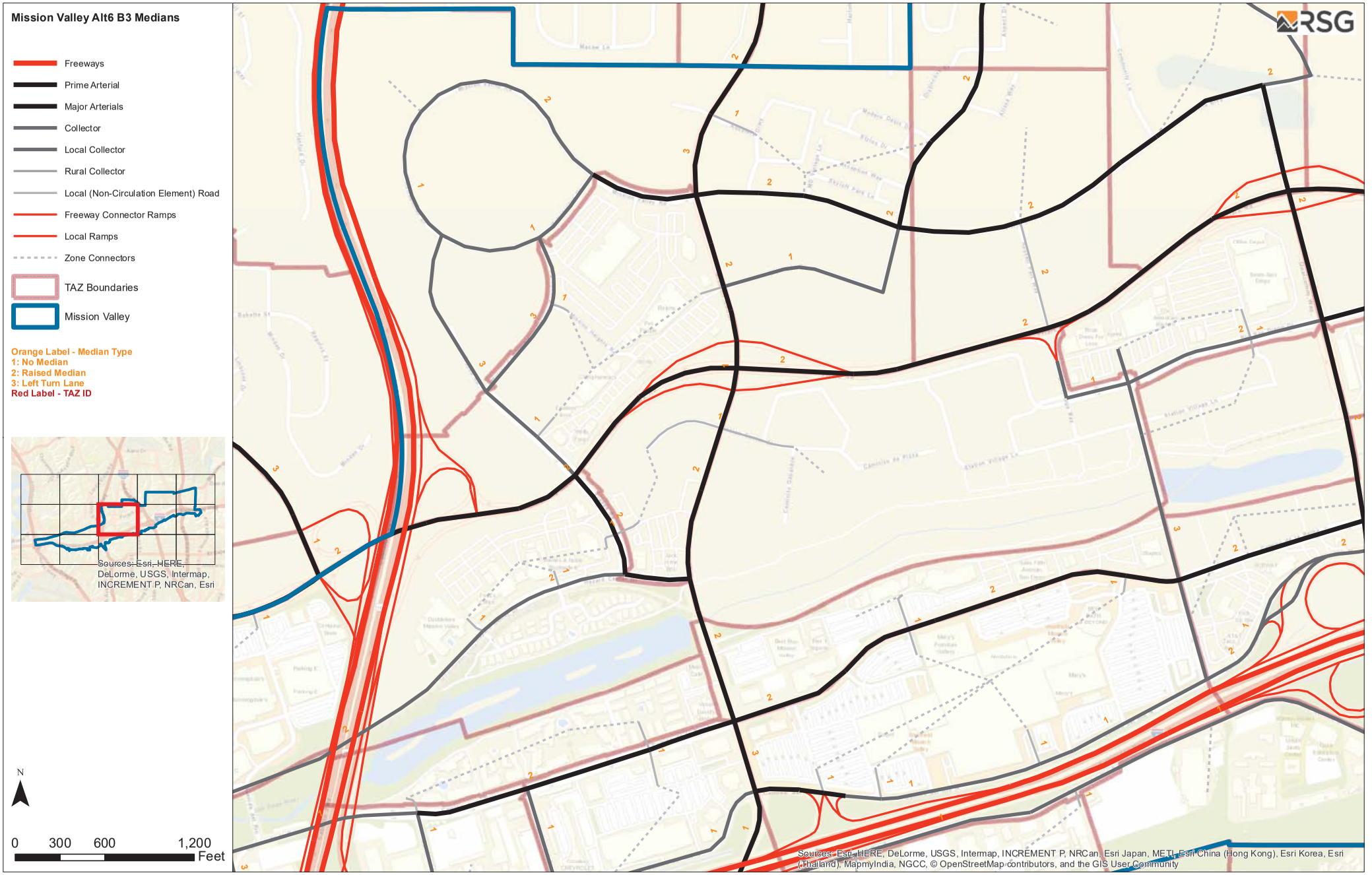
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

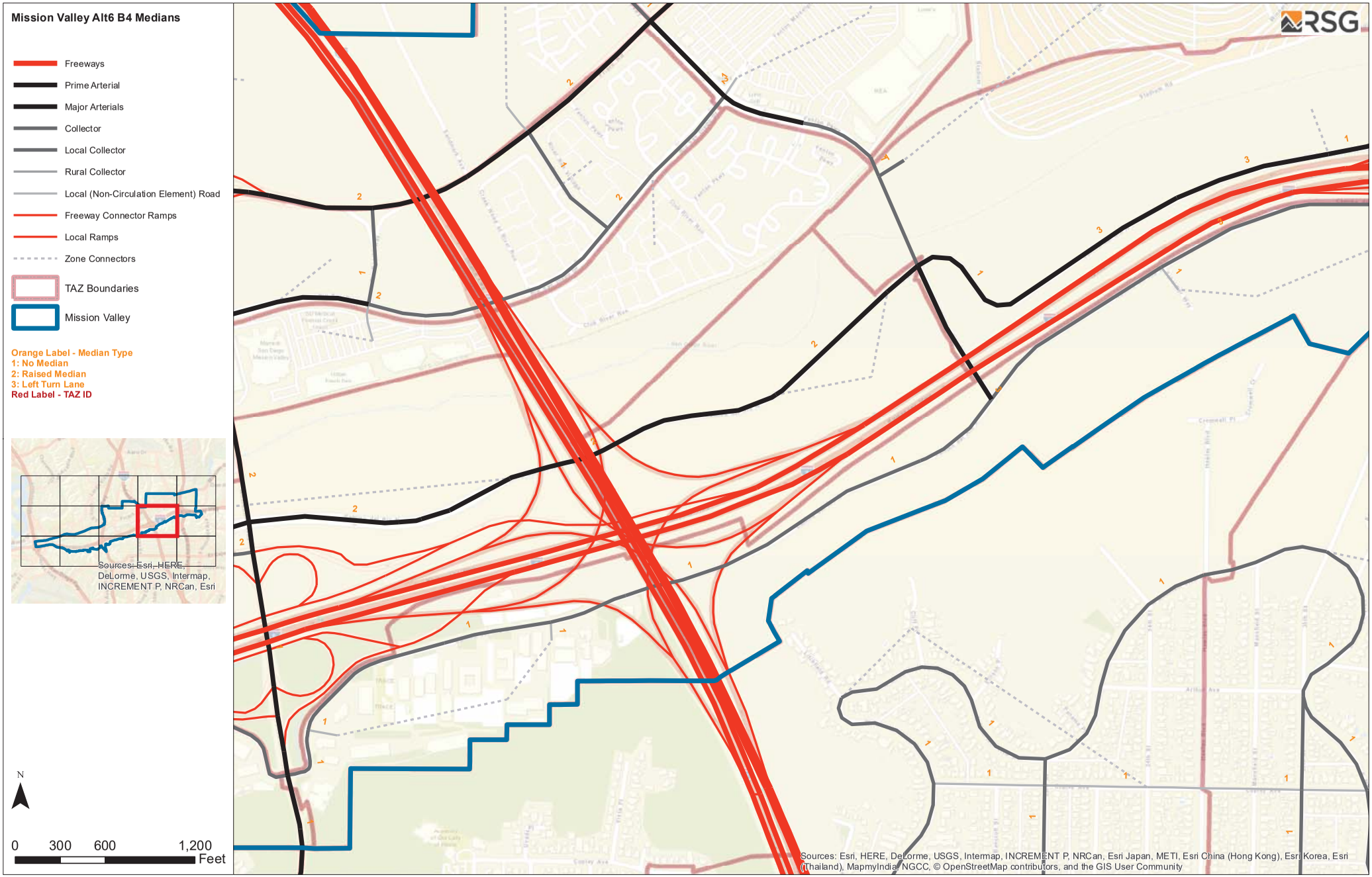


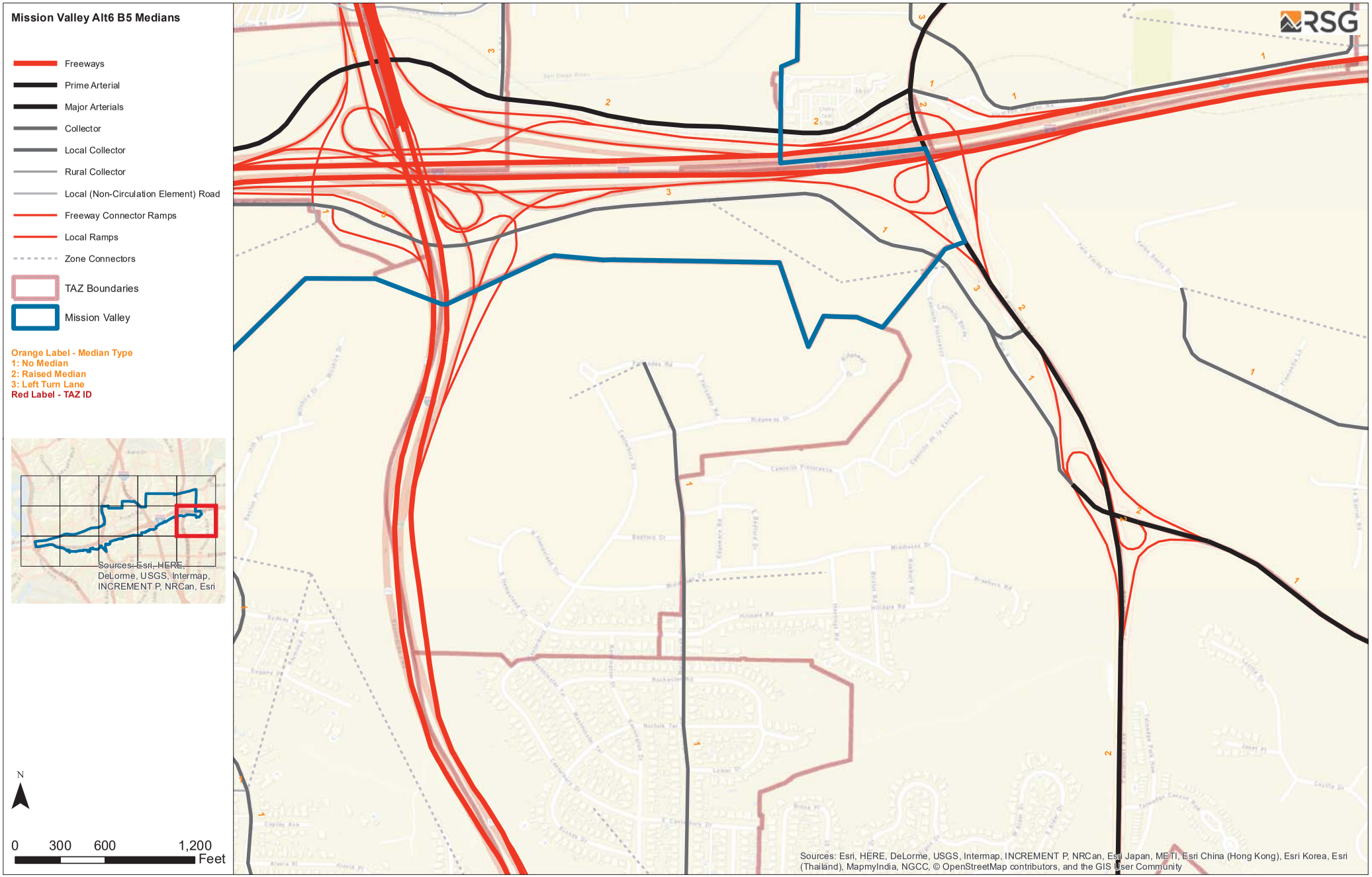
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 B3 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

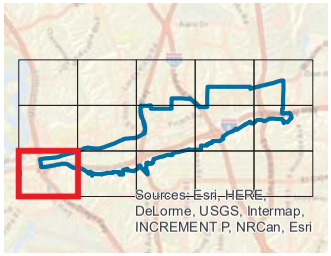

Mission Valley Alt6 B4 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 B5 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 C1 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

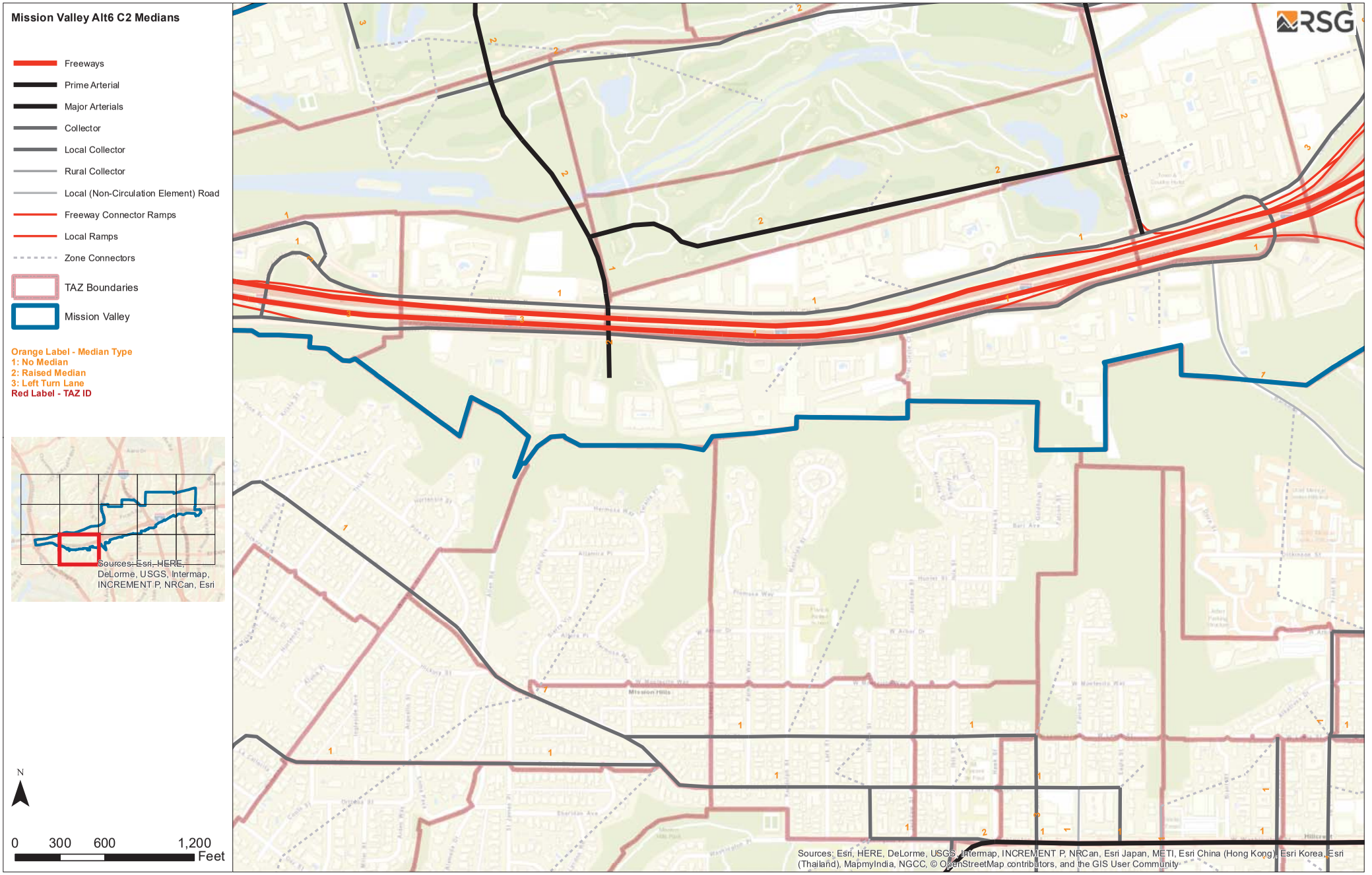
Orange Label - Median Type
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2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

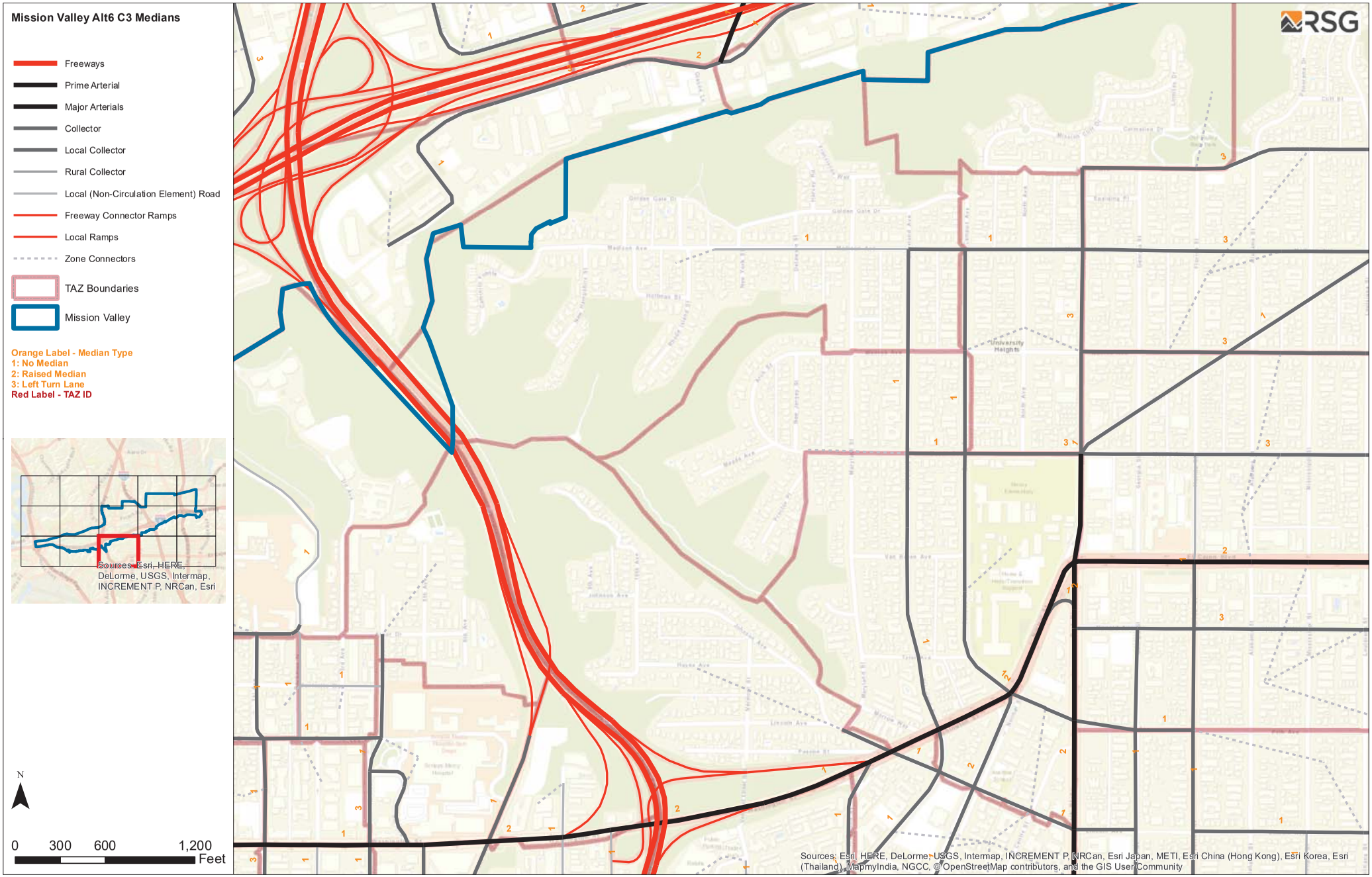


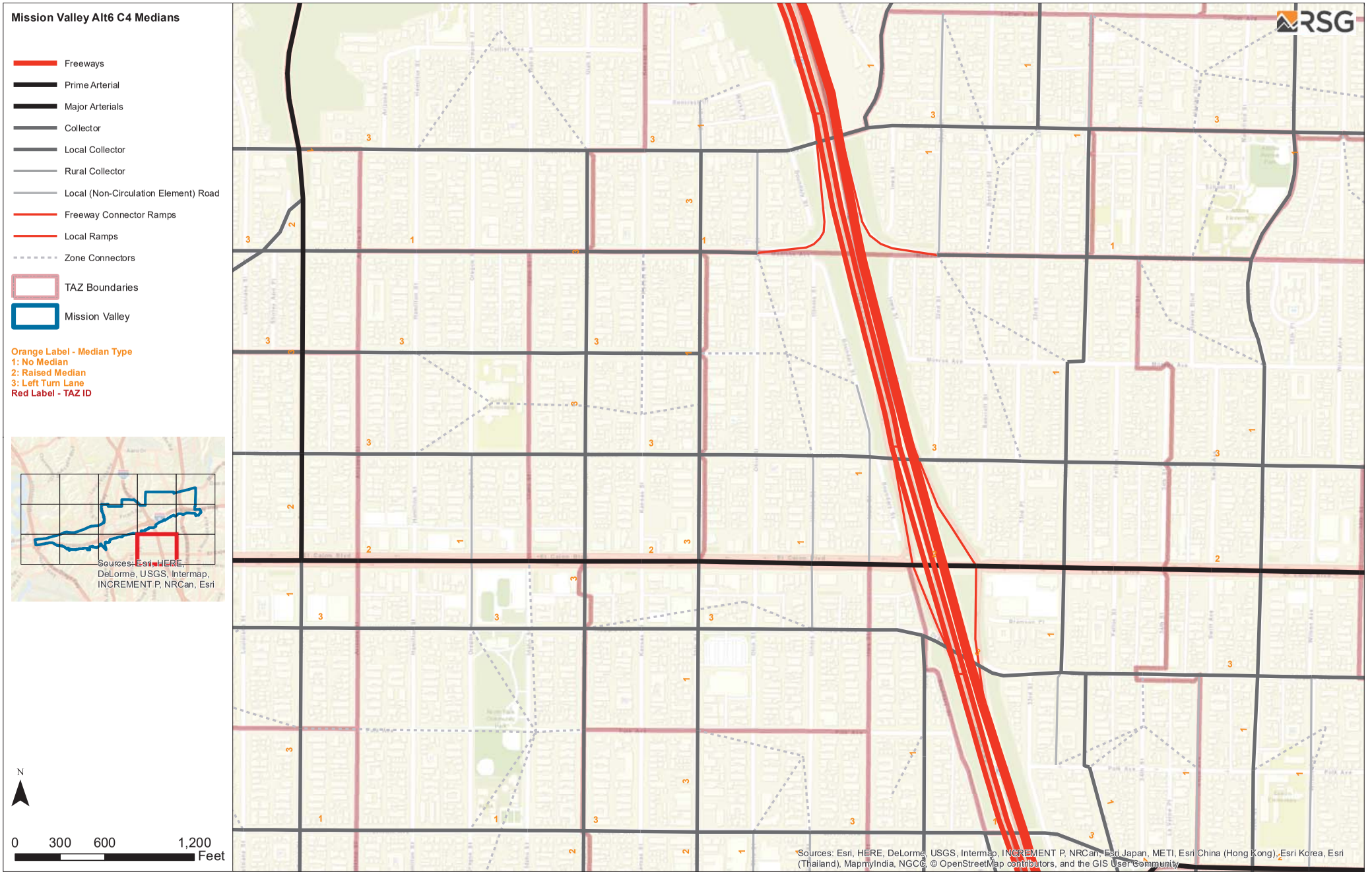
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C2 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

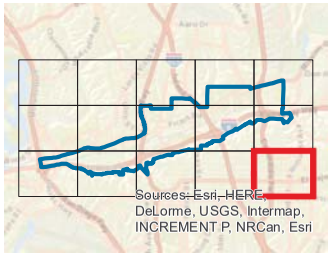

Mission Valley Alt6 C3 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C4 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 C5 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

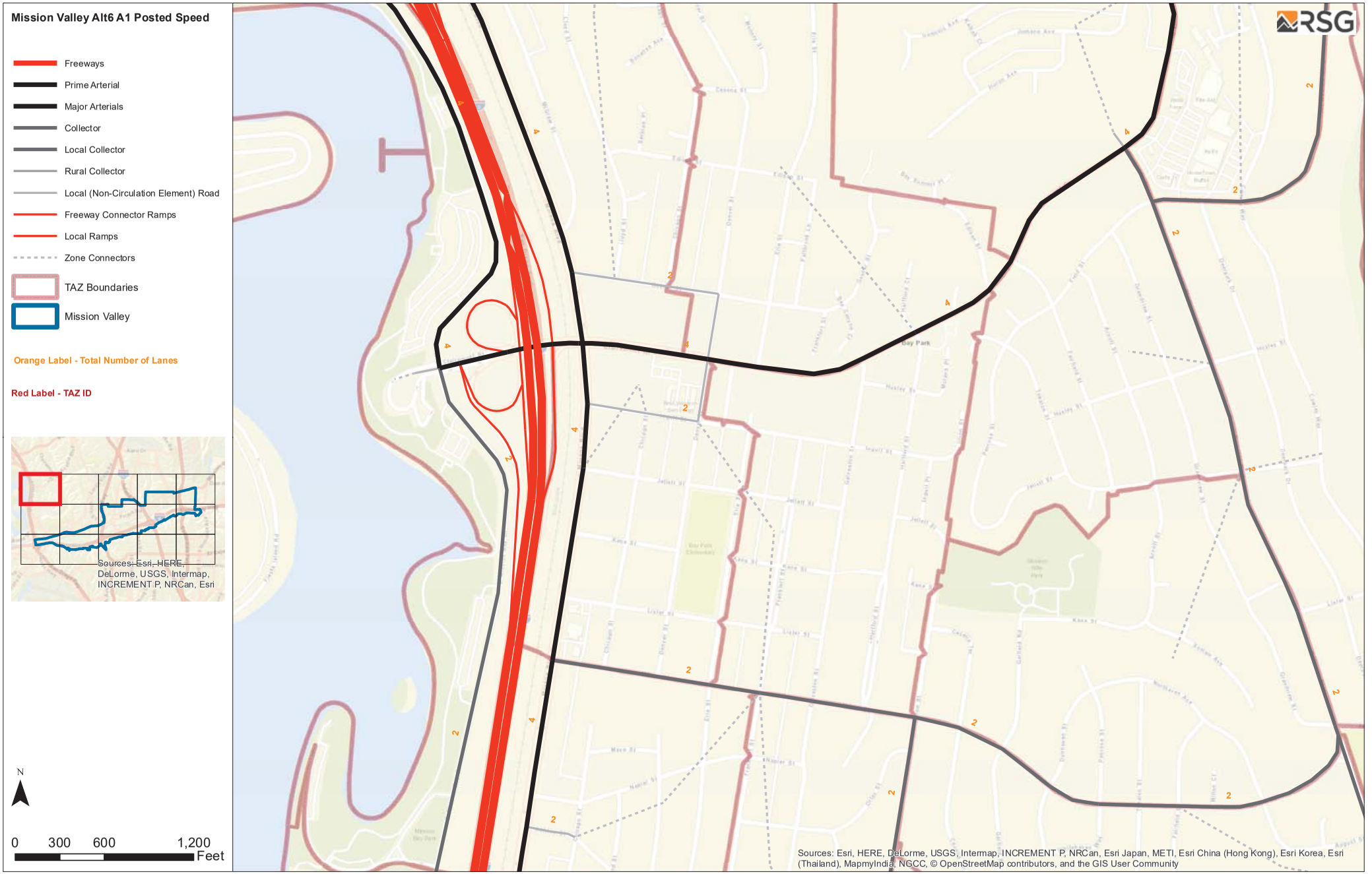


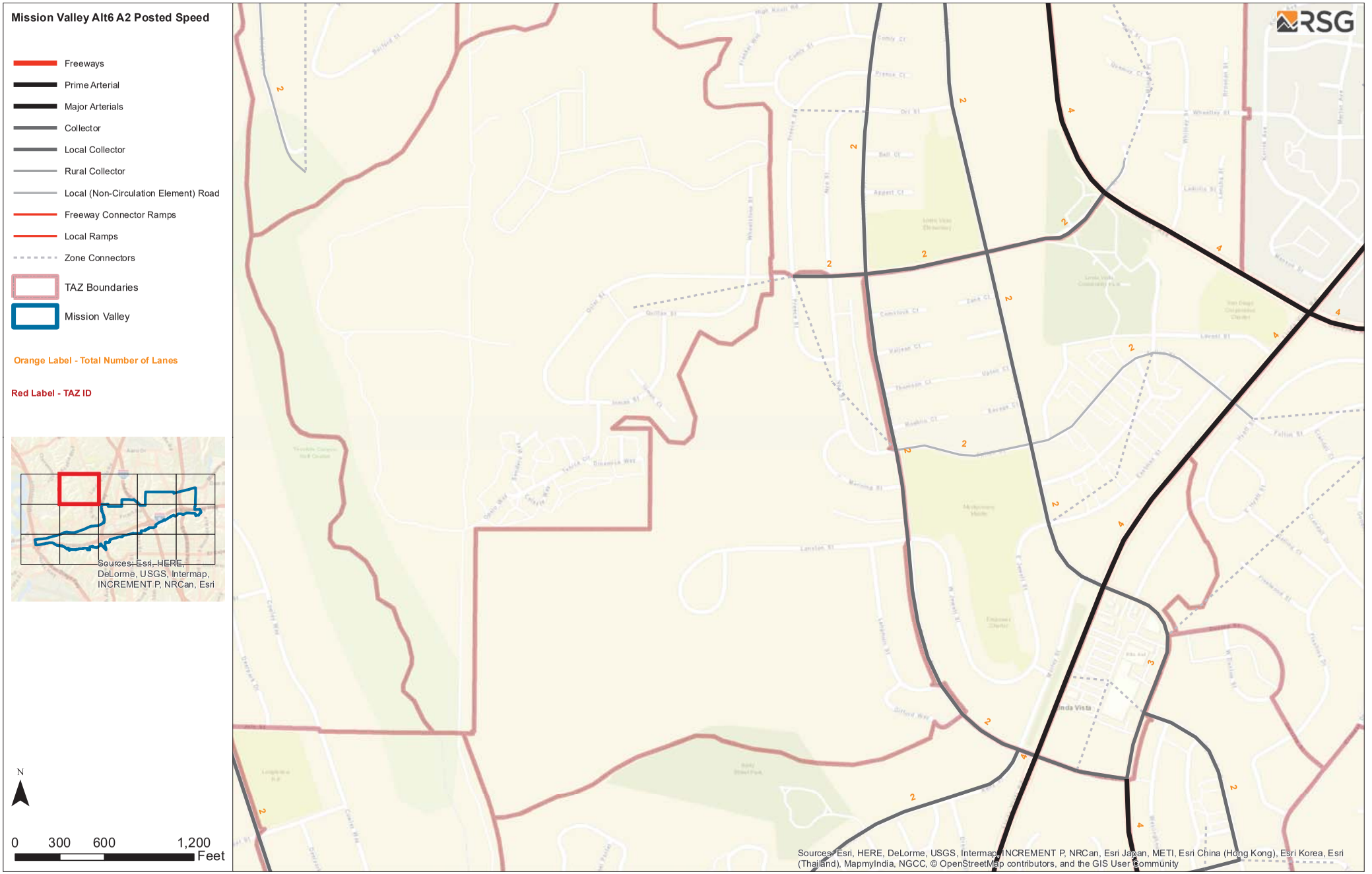
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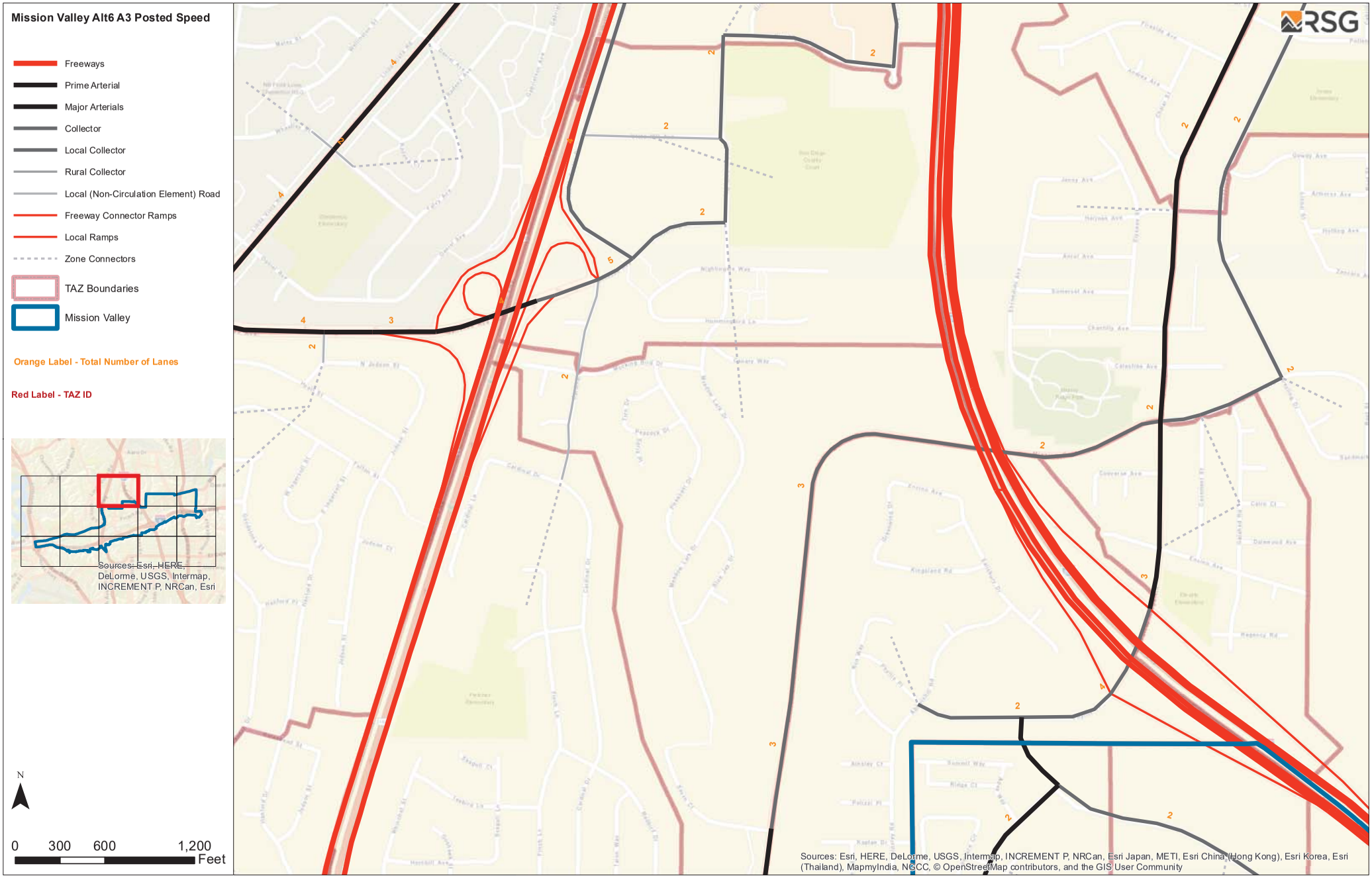
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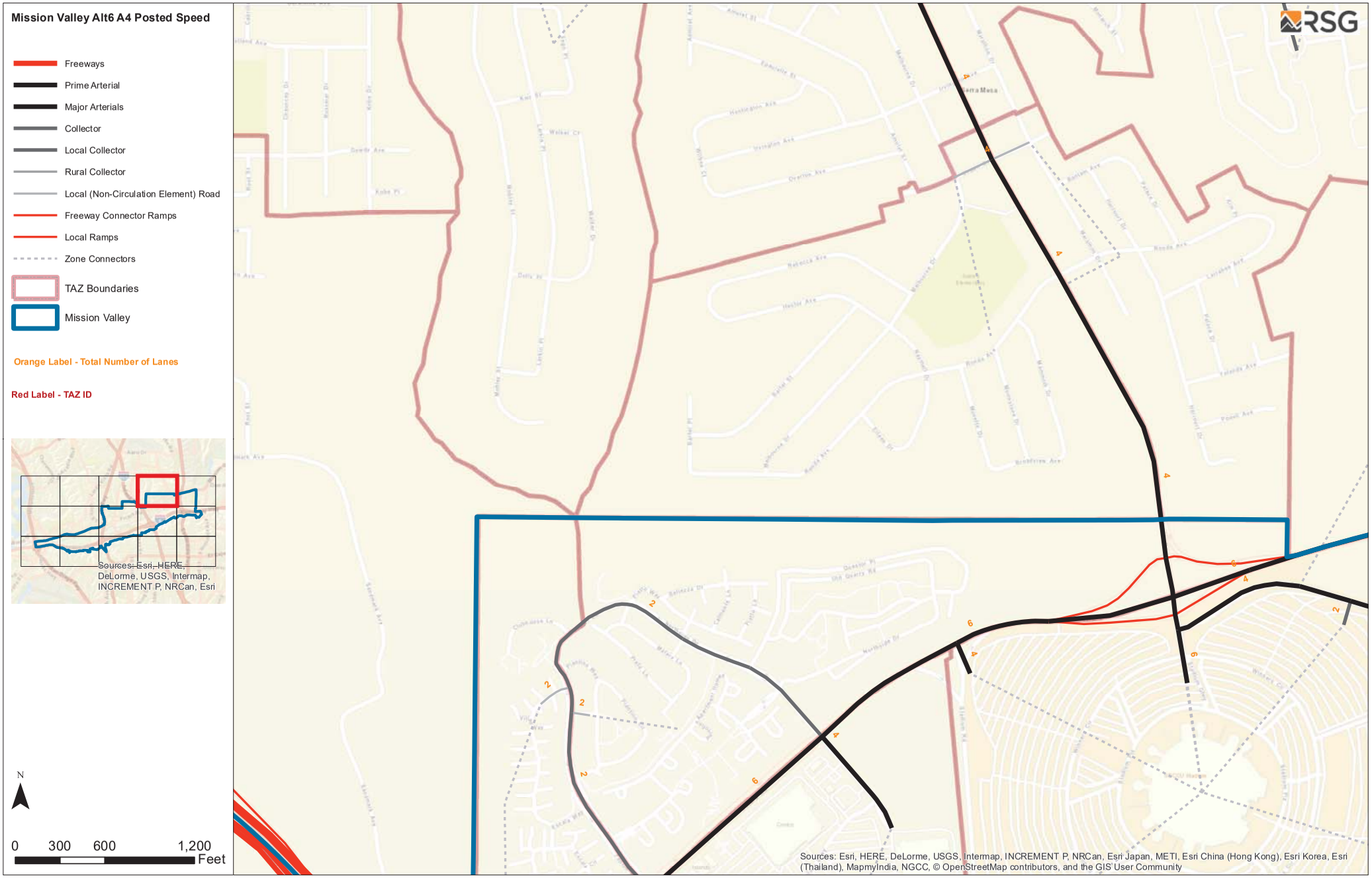
RSG

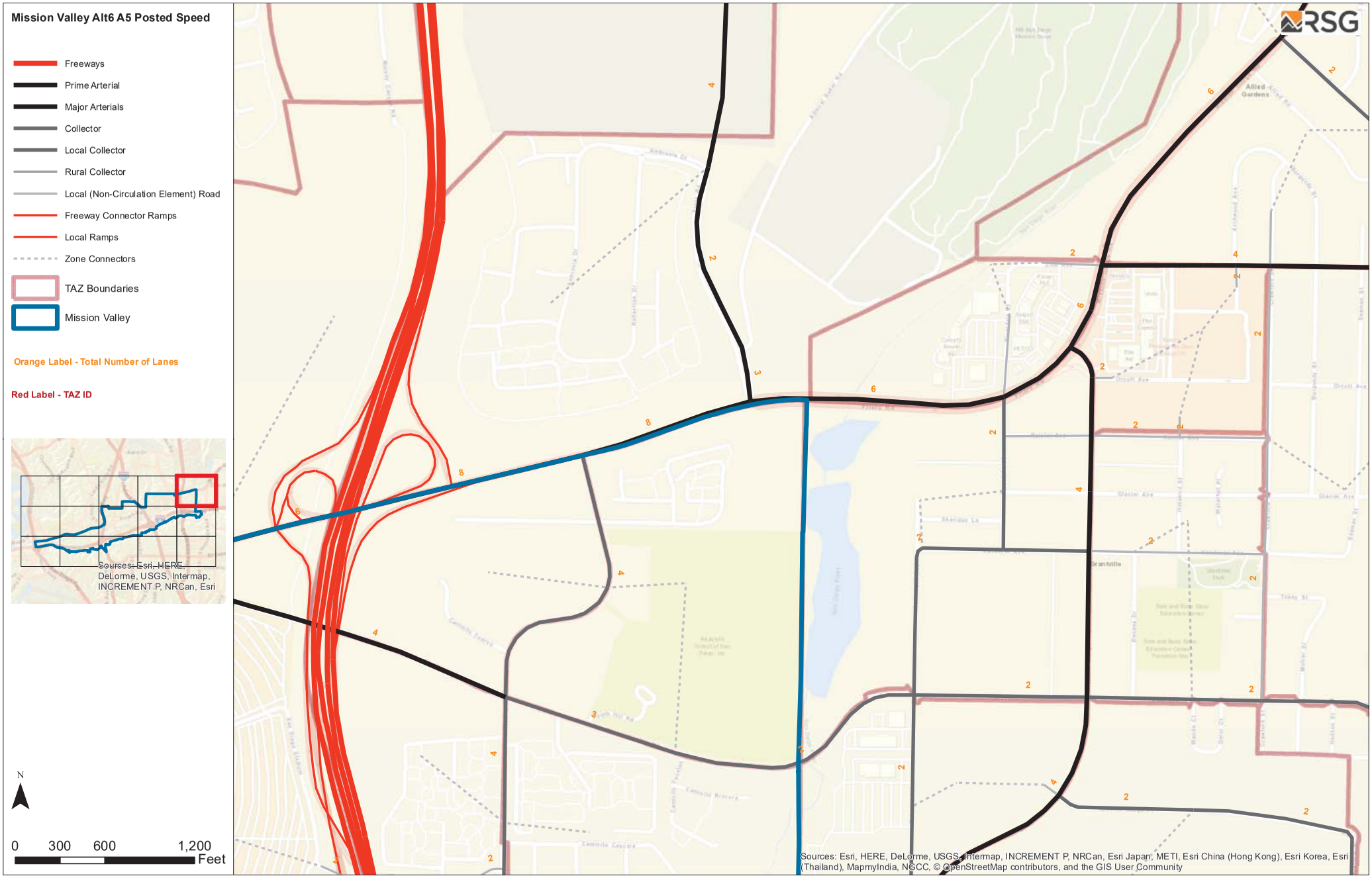
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Mapmyindia, NGCC, © OpenStreetMap contributors, and the GIS User Community

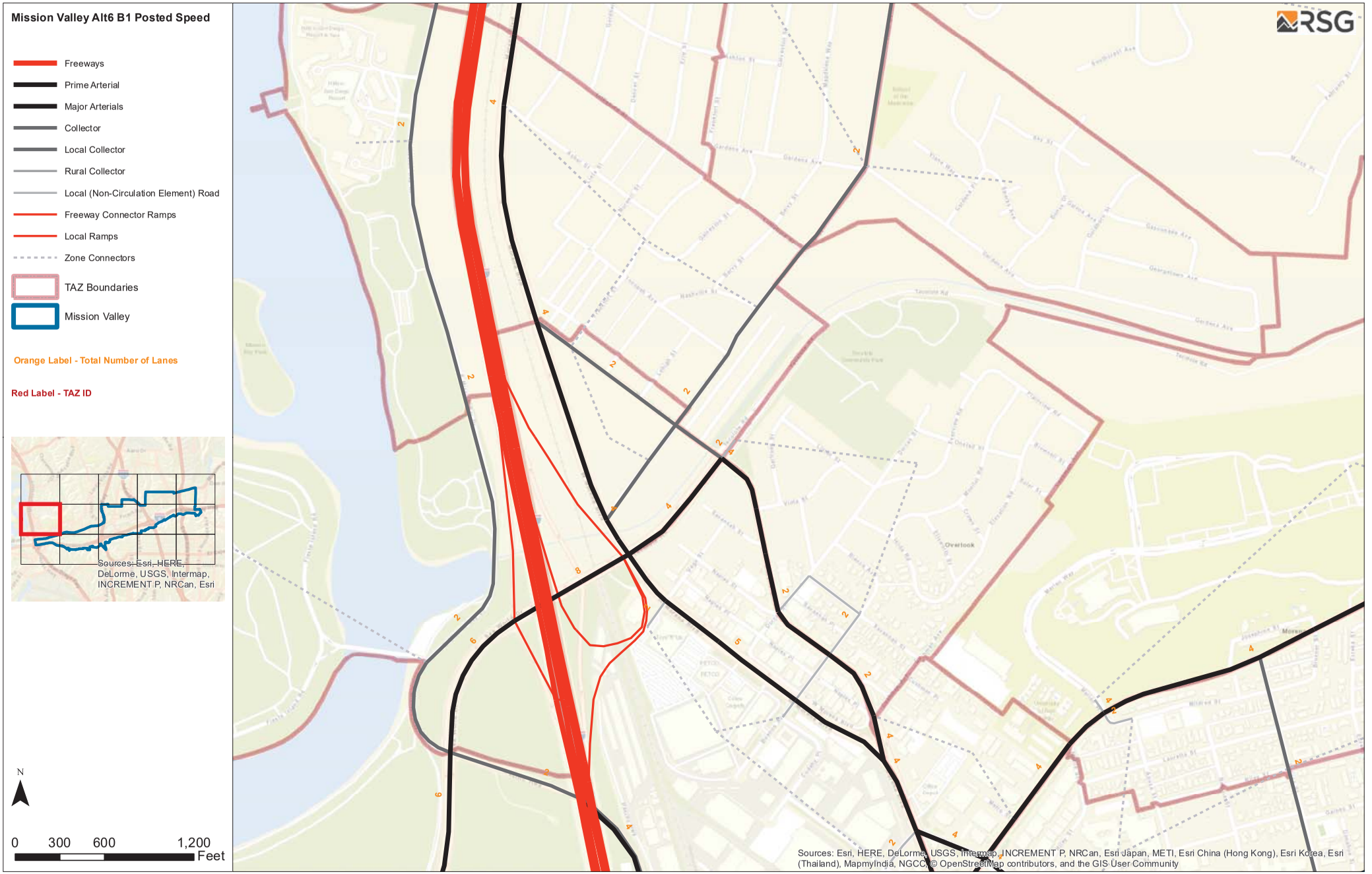

Mission Valley Alt6 A1 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

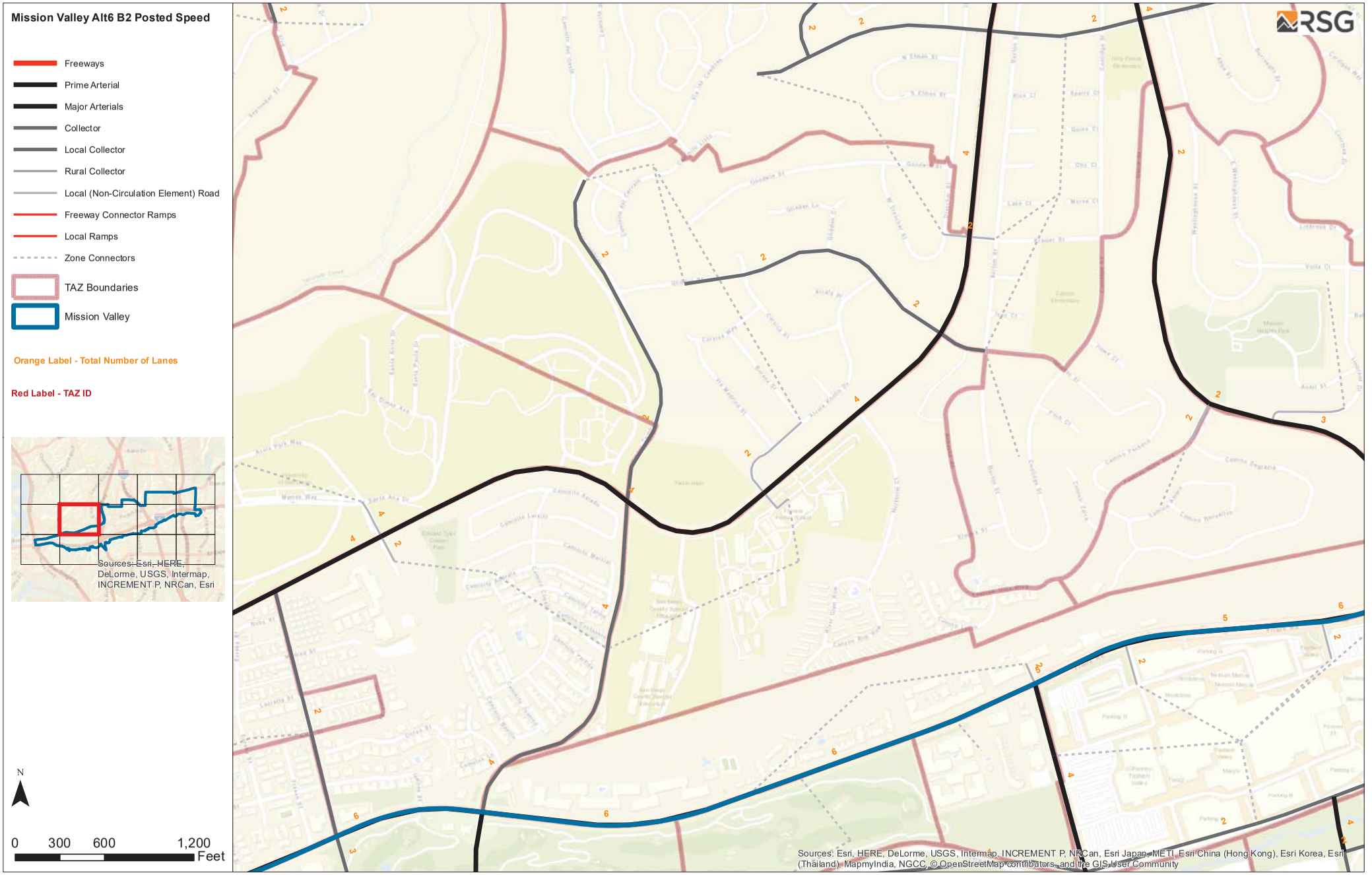

Mission Valley Alt6 A2 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

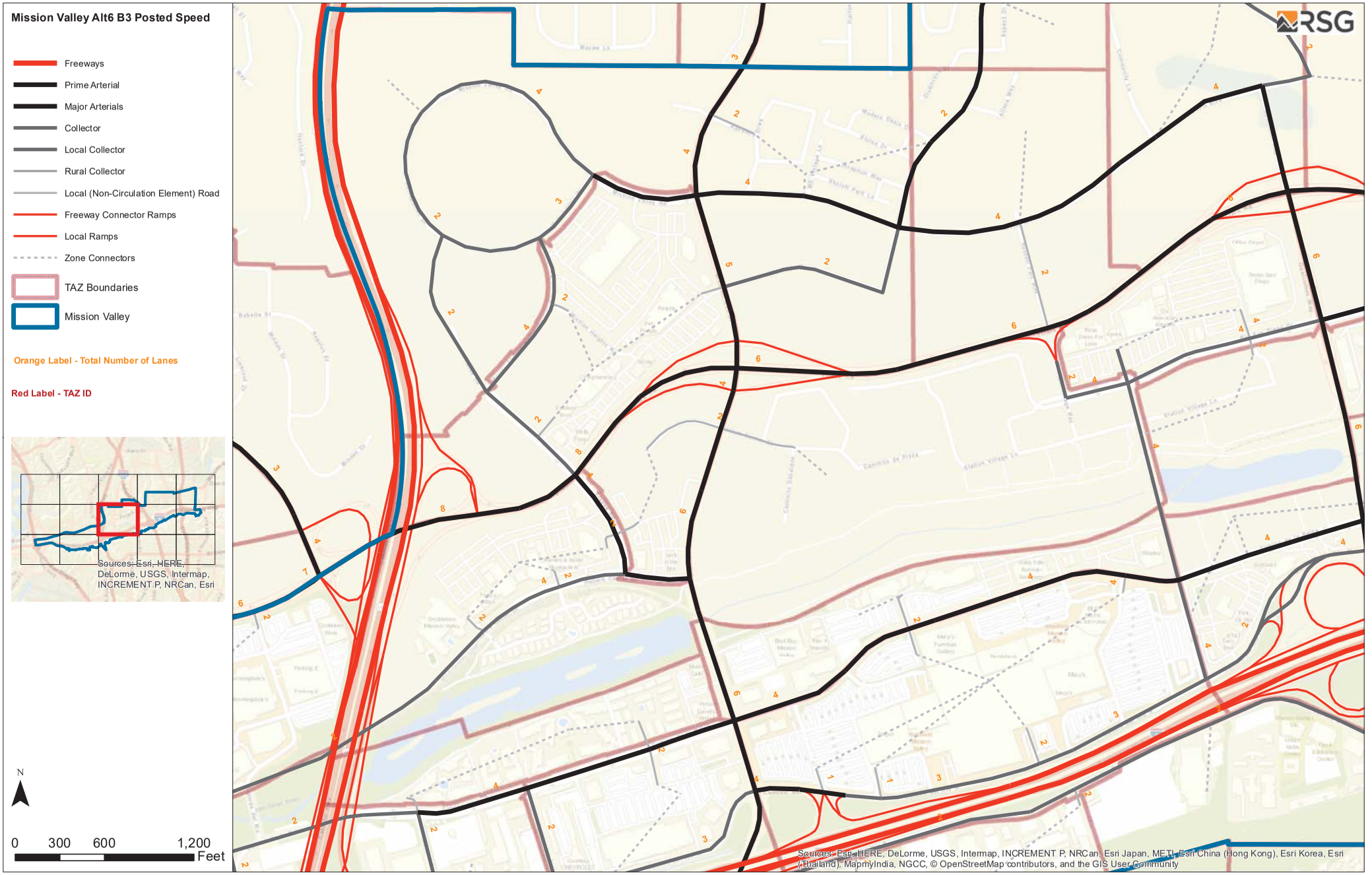

Mission Valley Alt6 A3 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

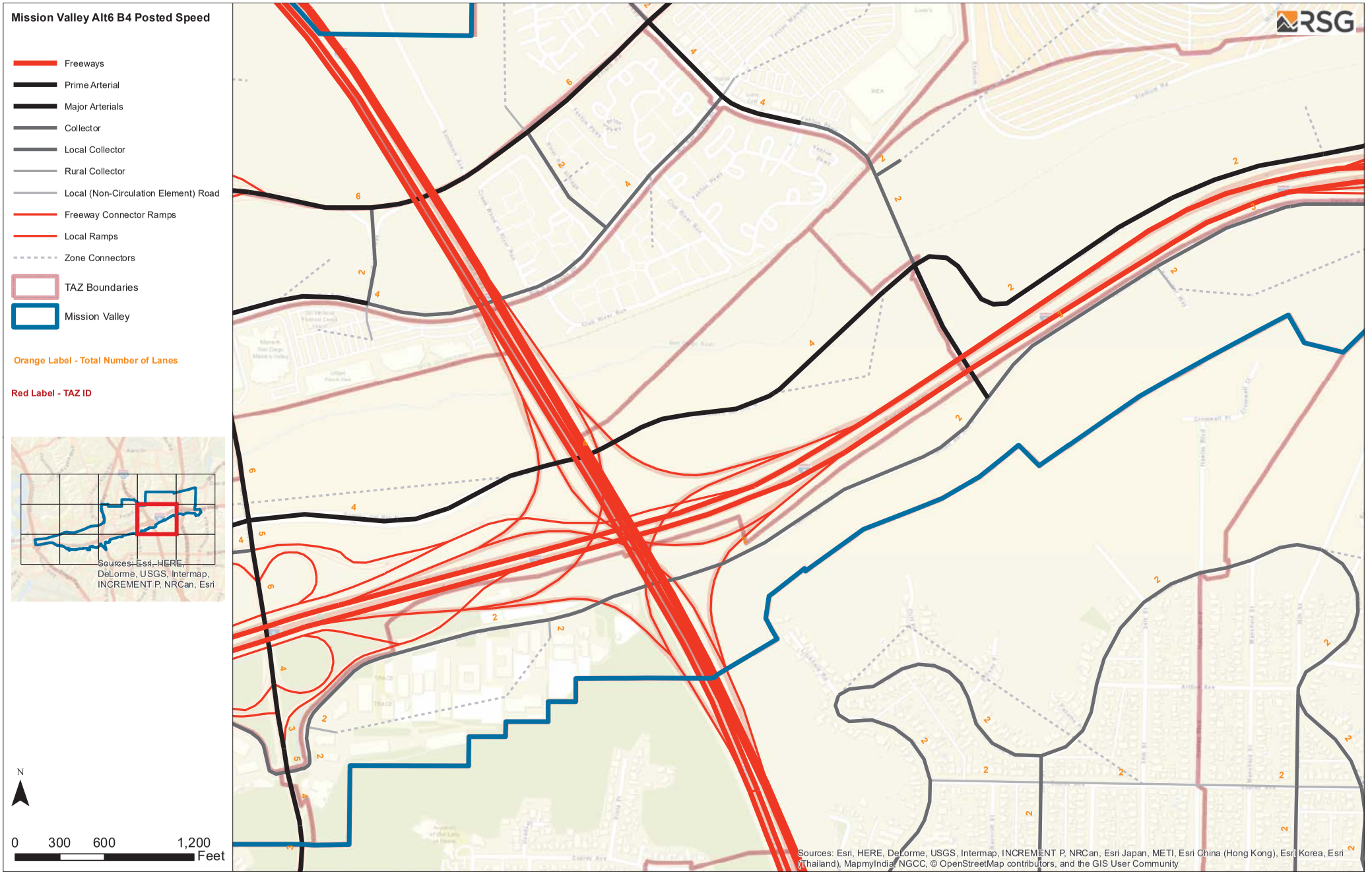

Mission Valley Alt6 A4 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

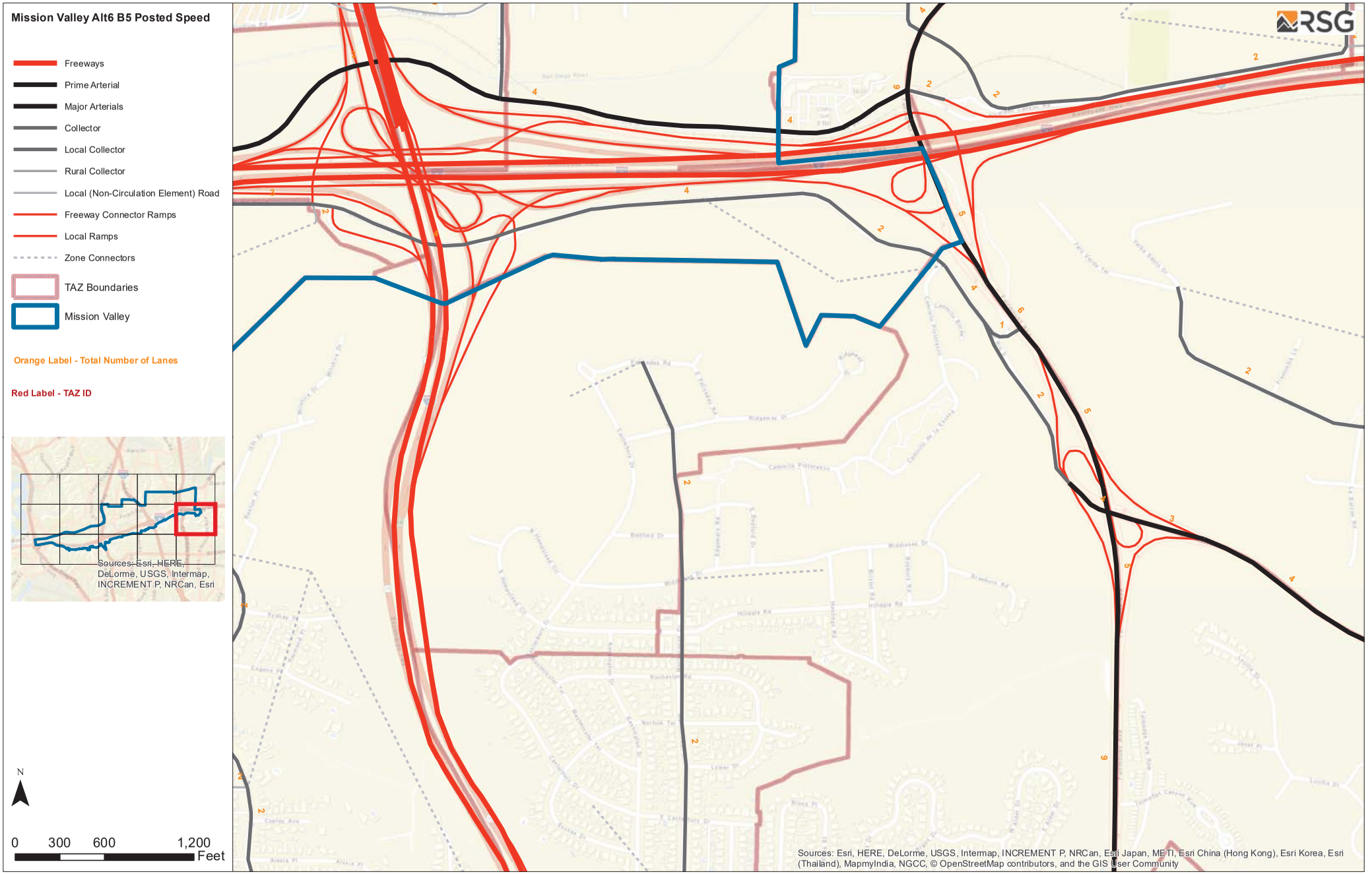

Mission Valley Alt6 A5 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

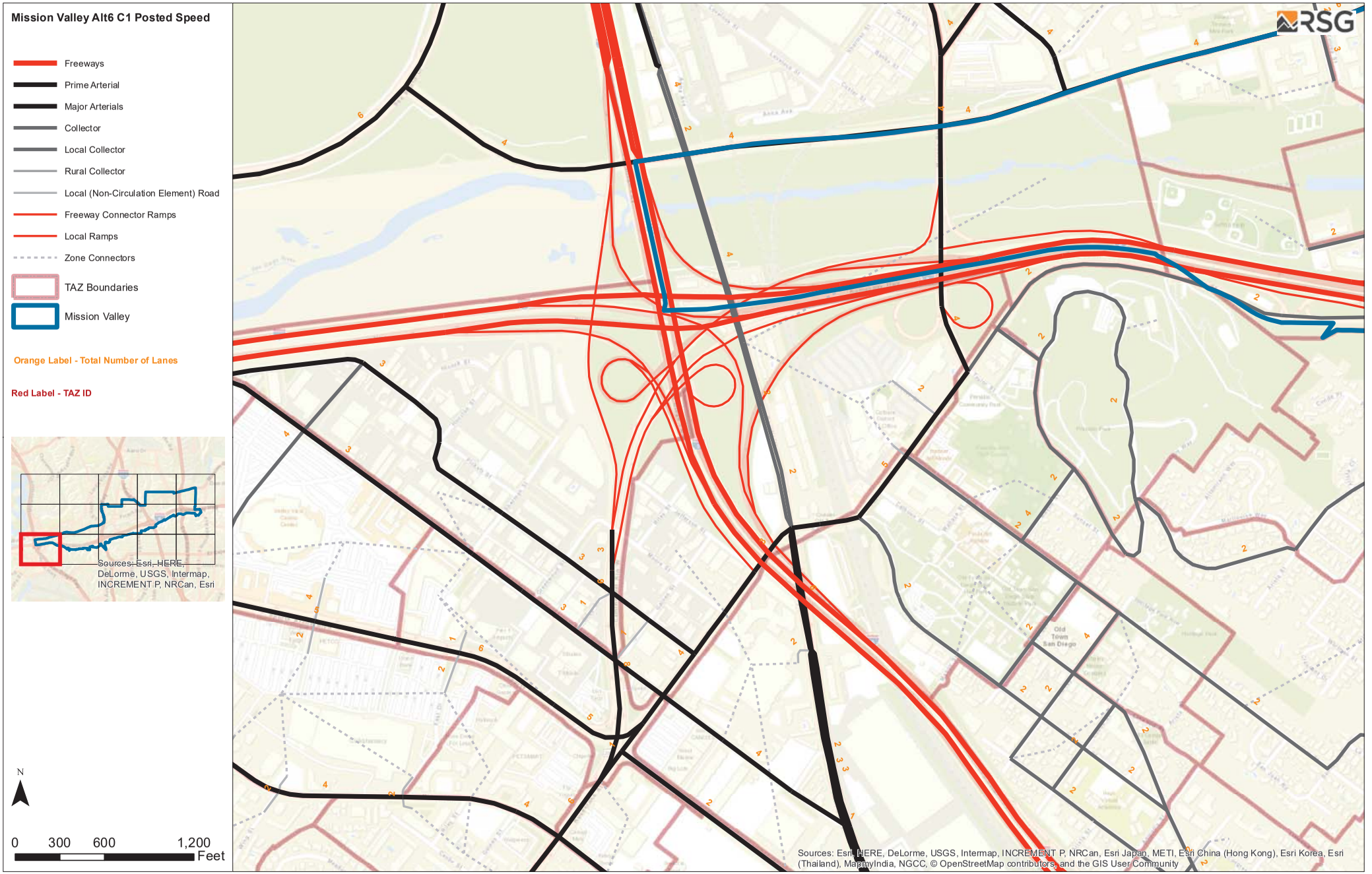

Mission Valley Alt6 B1 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

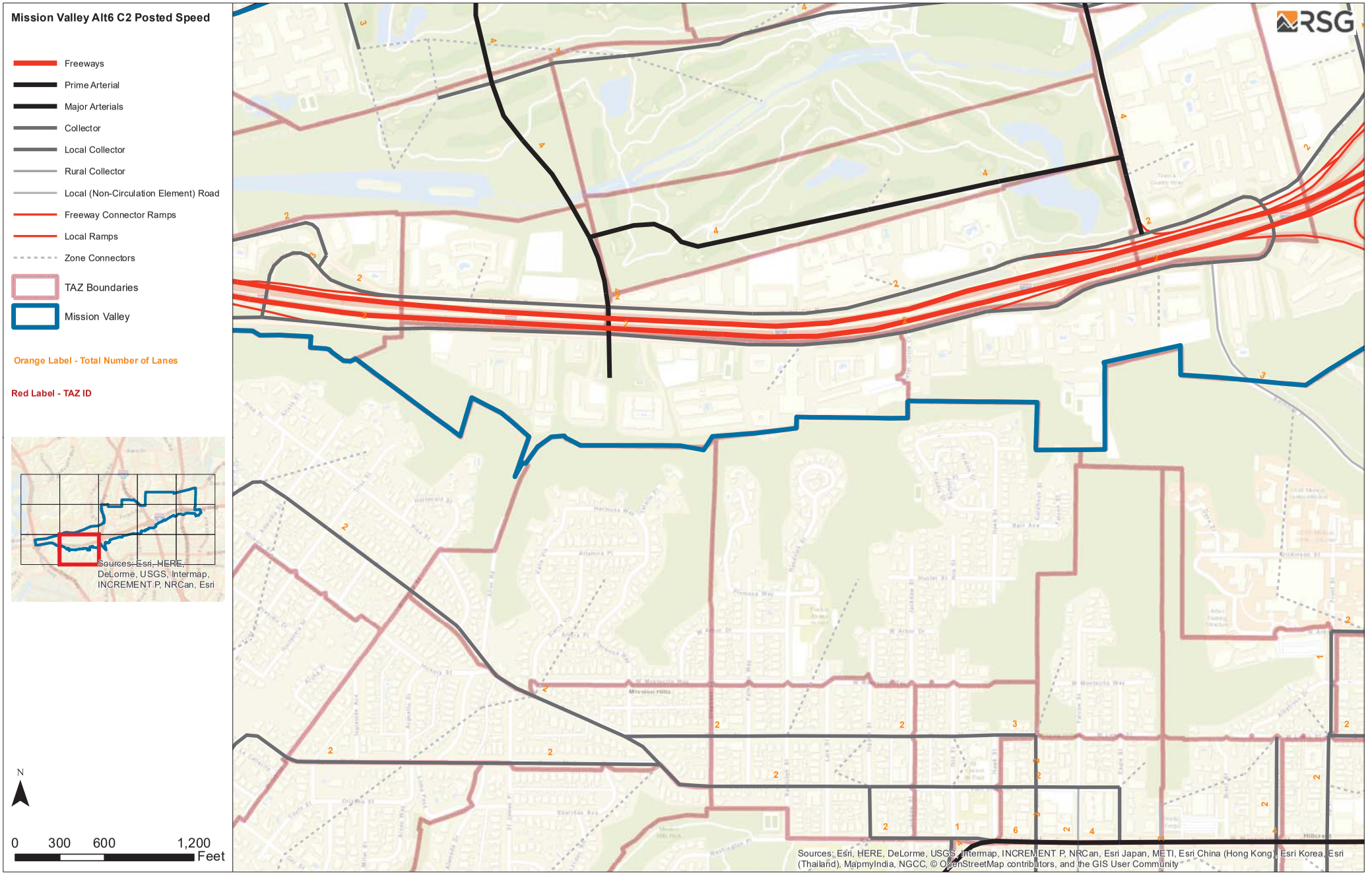

Mission Valley Alt6 B2 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

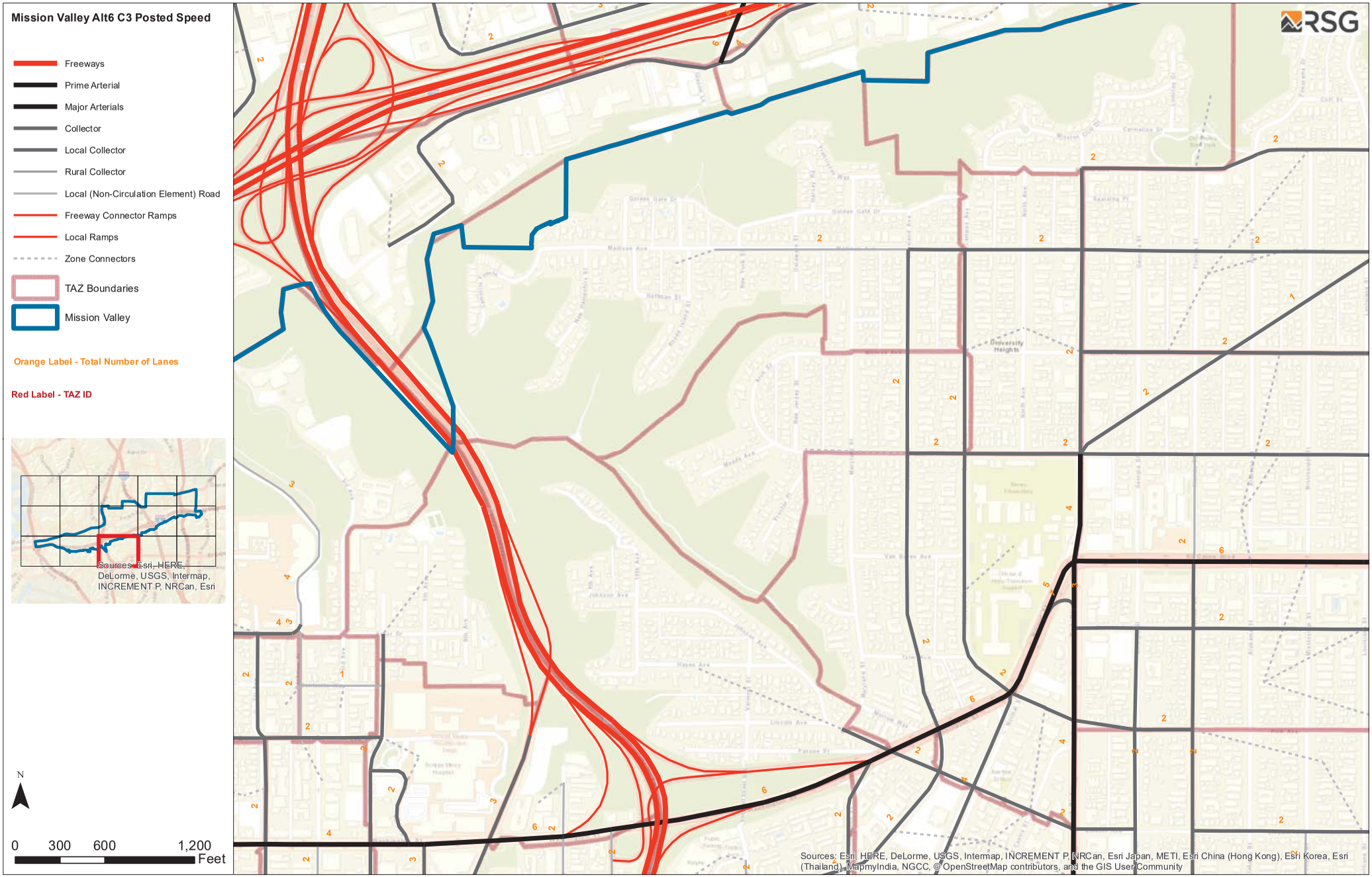

Mission Valley Alt6 B3 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 B4 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 B5 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C1 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C2 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

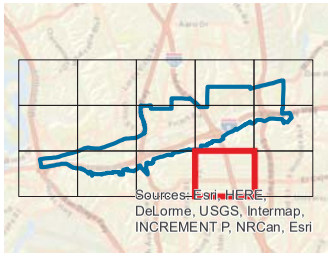

Mission Valley Alt6 C3 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt6 C4 Posted Speed

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

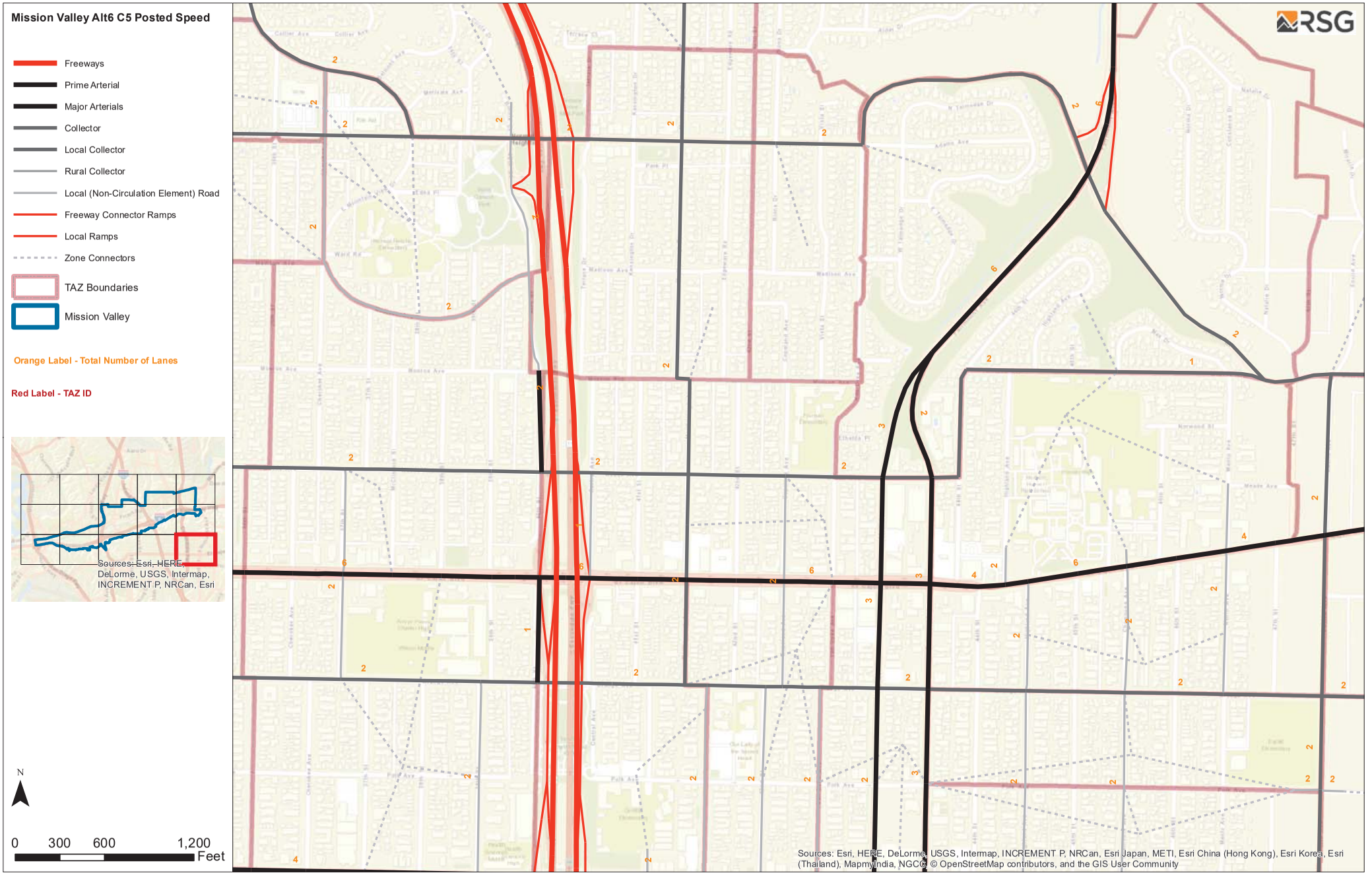


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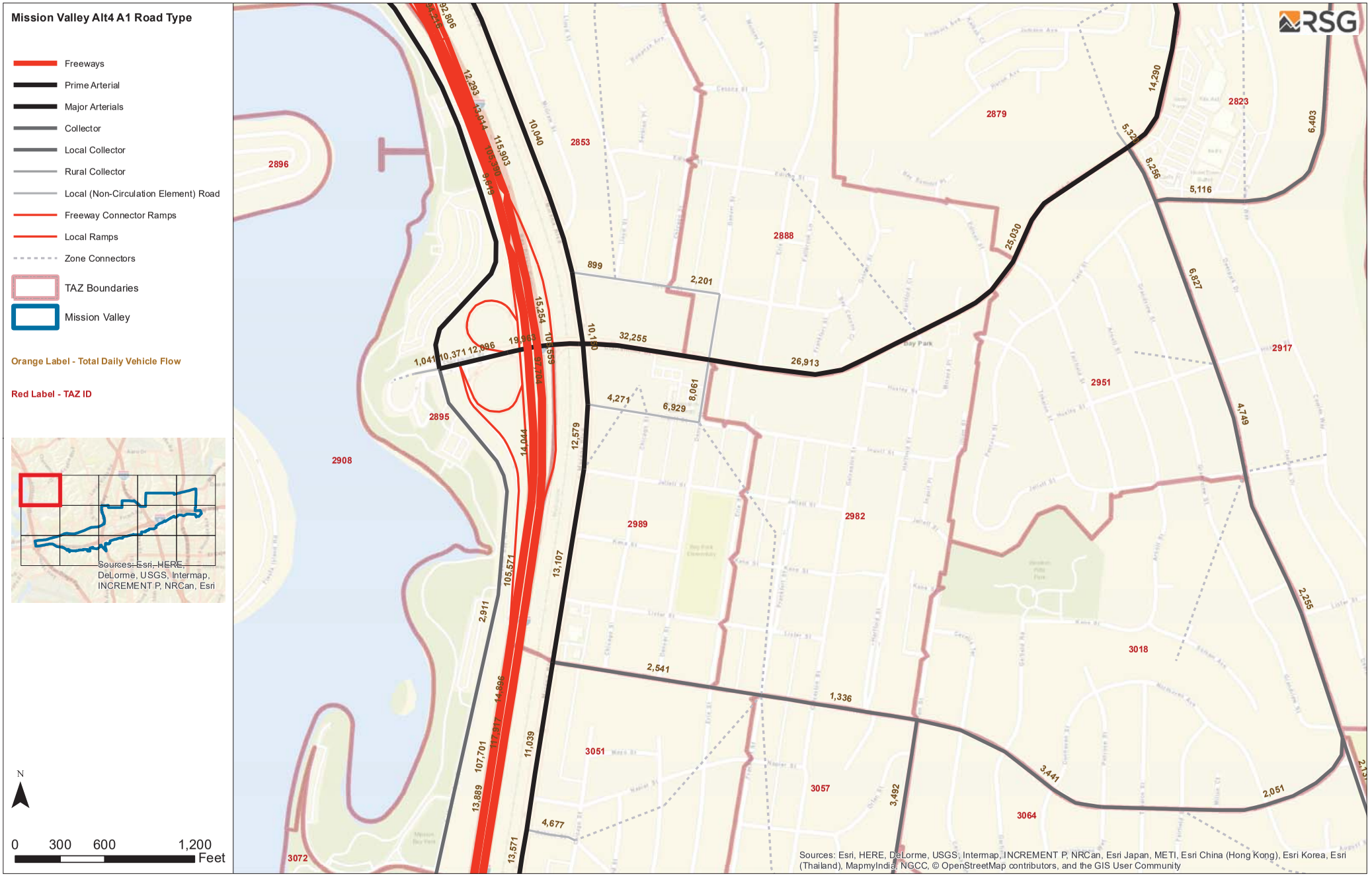
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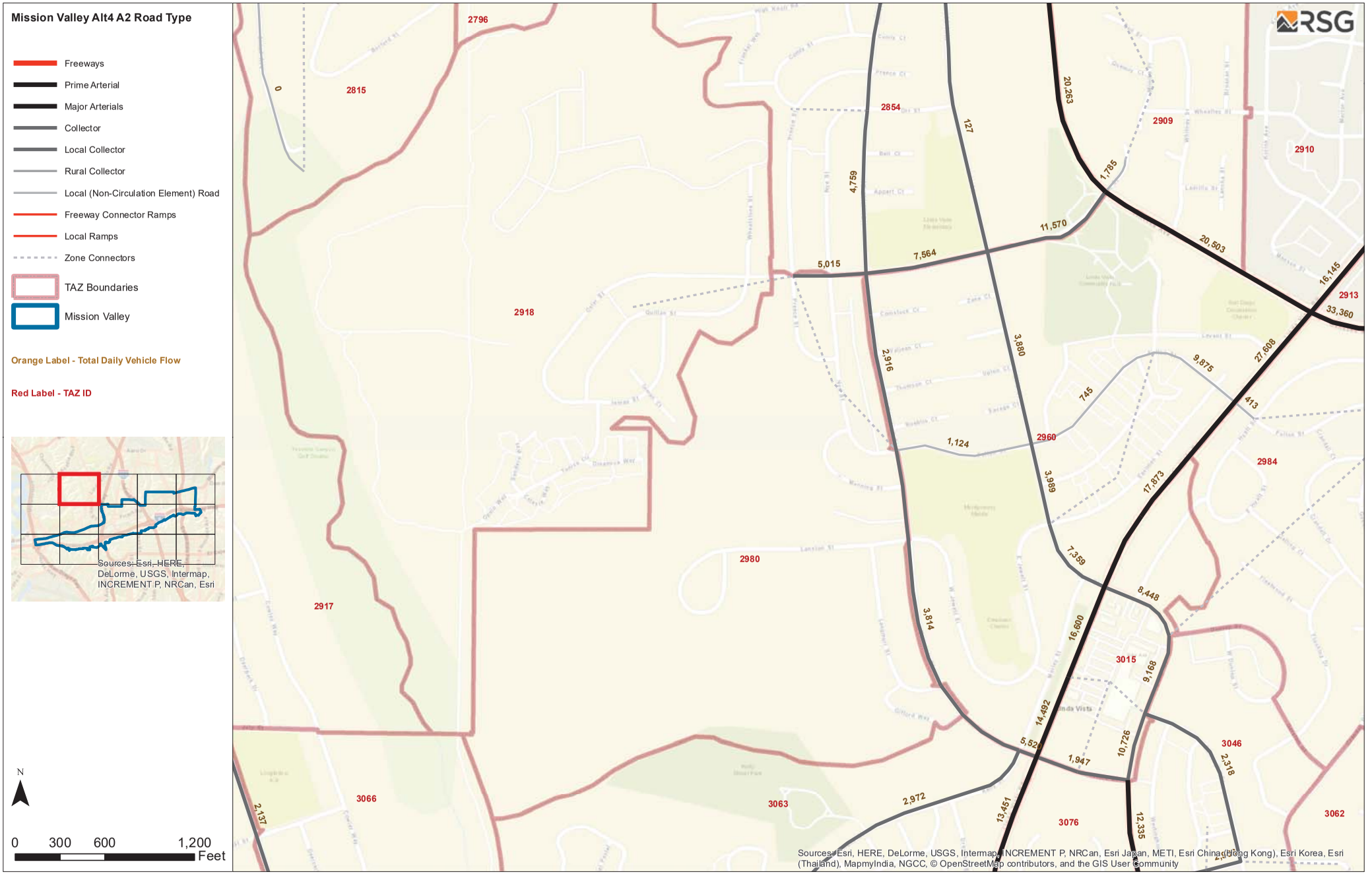
RSG

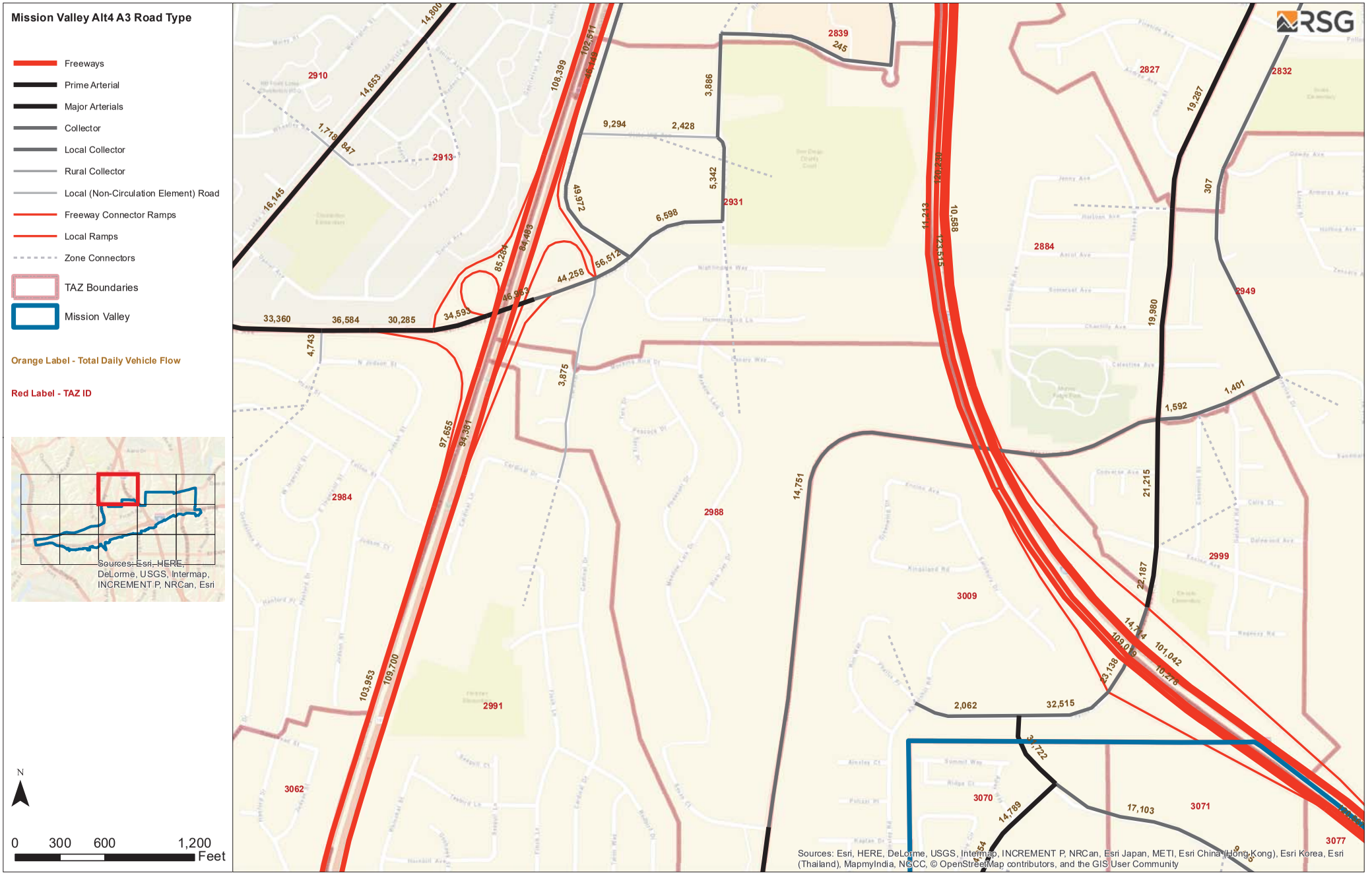
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt6 C5 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

No Via Las Cumbres Connection Alternative Model Outputs


Mission Valley Alt4 A1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2896
2853
2879
2823
2888
899
2,201
2895
2908
2989
2982
2951
2917
3018
3051
3057
3064
3072
10,040
14,290
6,403
5,116
25,030
6,827
32,255
26,913
4,271
6,929
8,061
4,749
12,579
13,107
2,255
2,541
1,336
3,441
2,051
3,492
4,677
11,039
13,571
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 A2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2796
2815
2854
2909
2910
2918
2913
2980
2960
2984
2917
3015
3046
3066
3063
3076
3062
0
20,263
127
1,765
4,759
11,570
20,503
16,145
33,360
5,015
7,564
3,880
2,916
9,875
27,608
745
413
1,124
3,989
17,873
7,359
8,448
3,814
16,600
9,168
14,492
5,524
1,947
10,726
2,318
2,137
2,972
13,451
12,335
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

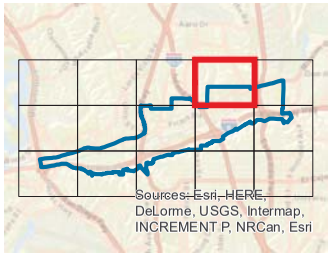

Mission Valley Alt4 A3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200 Feet
RSG
2910
2913
2839
245
2827
2832
2931
2884
2949
2984
2988
2999
3009
2991
3062
3070
3071
3077
14,800
14,653
1,719
847
16,145
108,399
102,511
3,886
9,294
2,428
5,342
49,972
6,598
84,483
85,254
44,258
56,512
46,933
33,360
36,584
30,285
34,593
4,743
3,875
97,655
94,381
103,953
109,700
14,751
19,287
307
10,588
19,980
1,592
1,401
21,215
22,187
14,714
101,042
10,278
2,062
32,515
14,789
17,103
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NCCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A4 Road Type

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

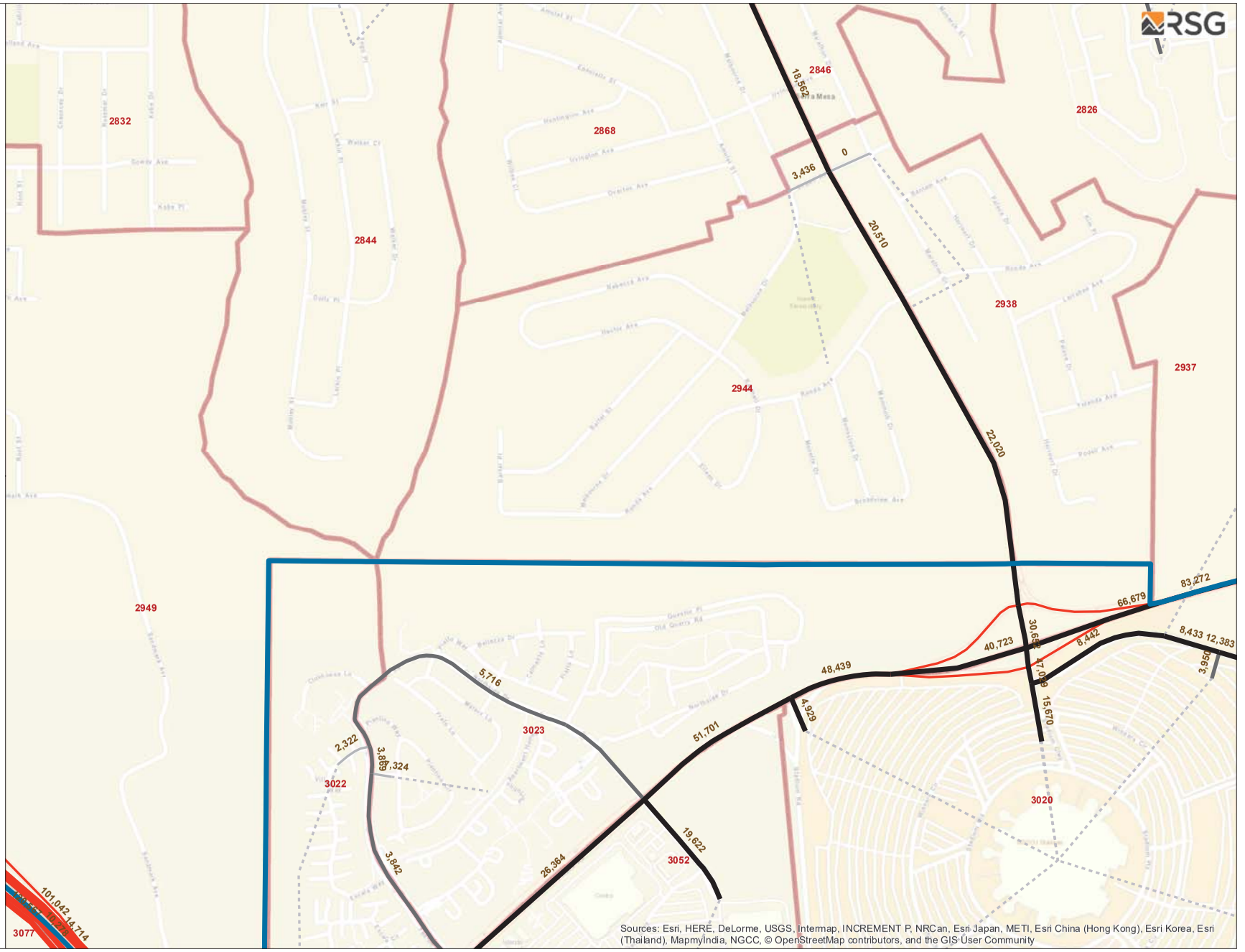
Orange Label - Total Daily Vehicle Flow

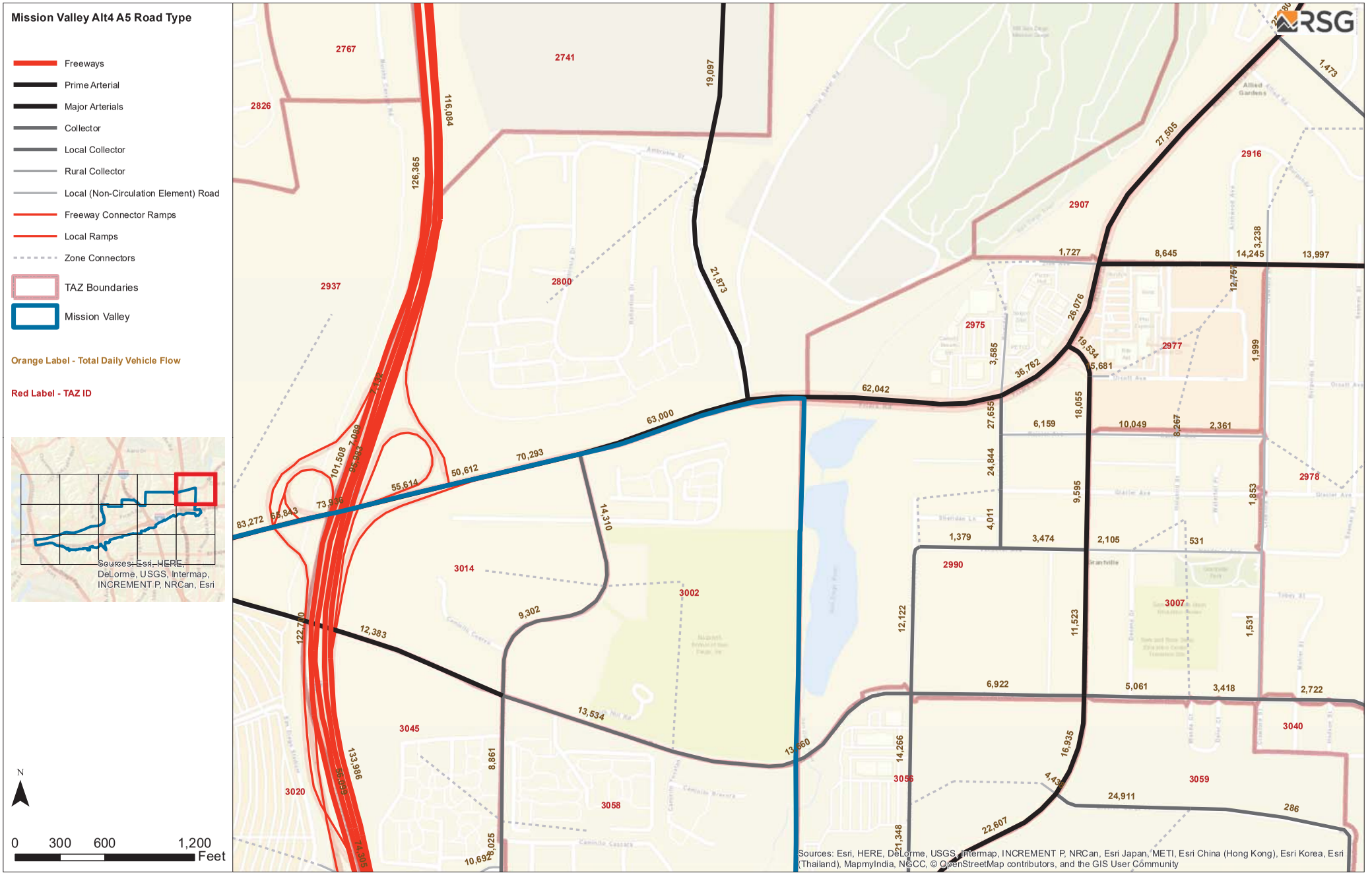
Red Label - TAZ ID

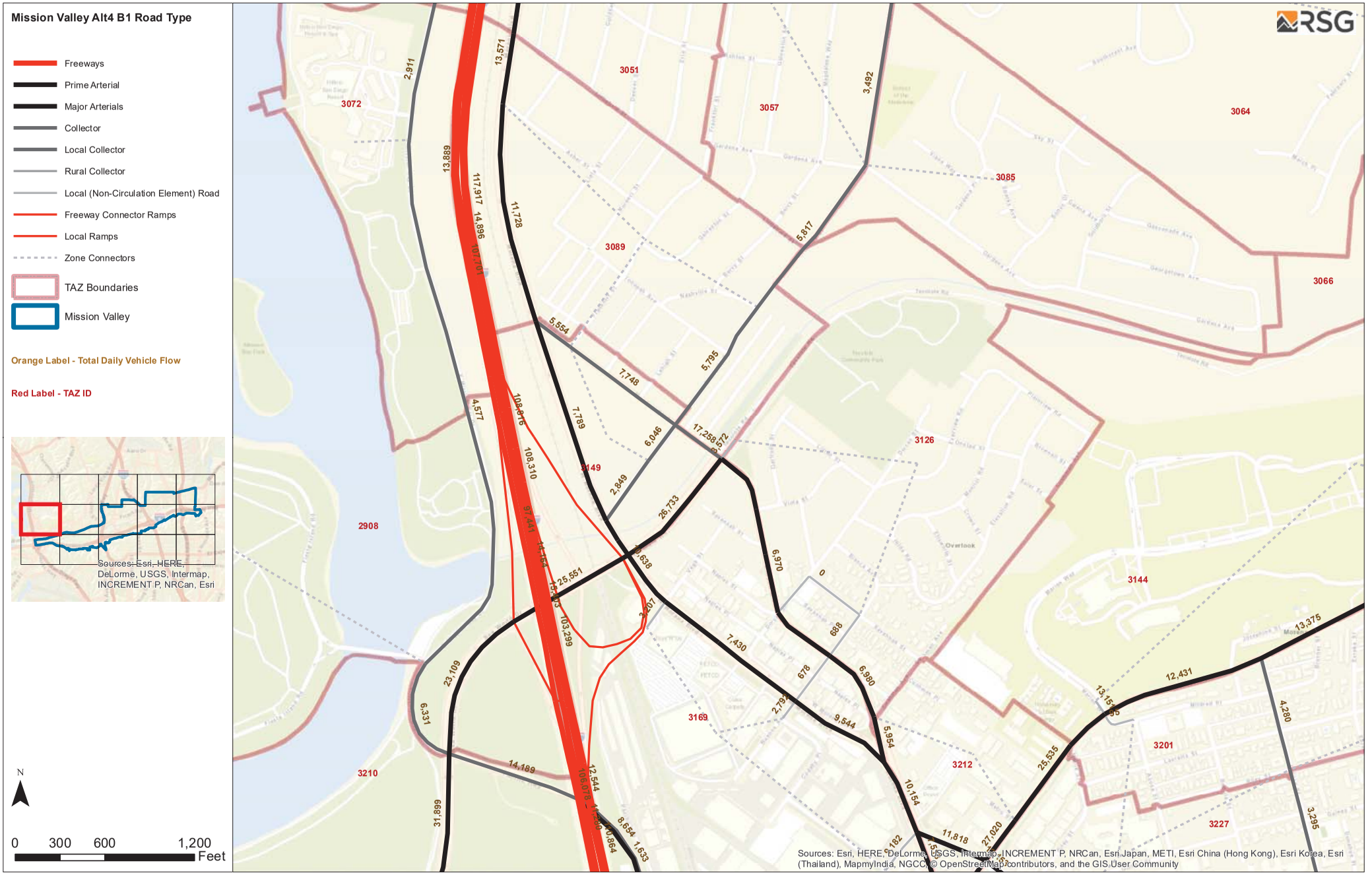


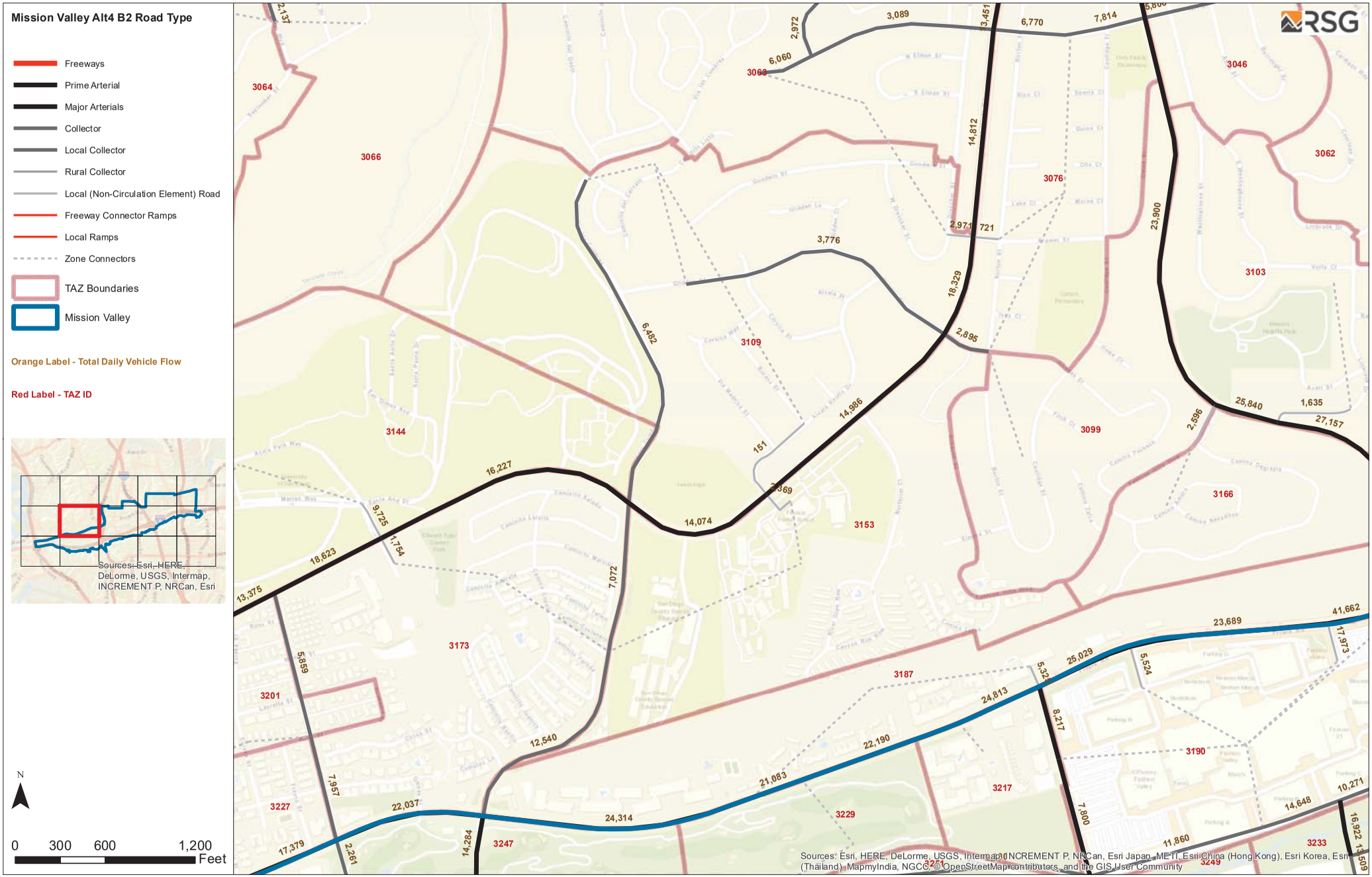
N

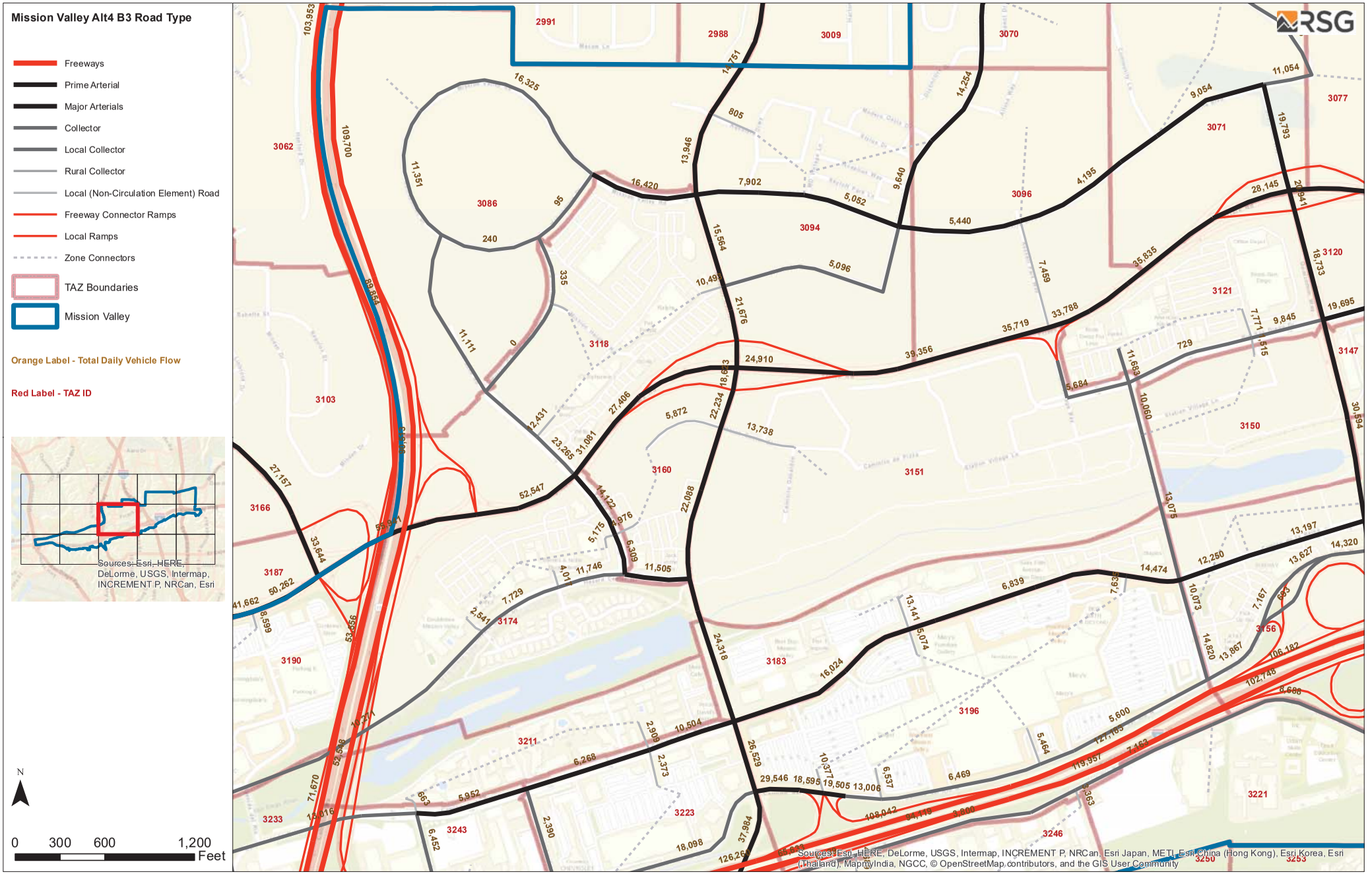
0 300 600 1,200 Feet

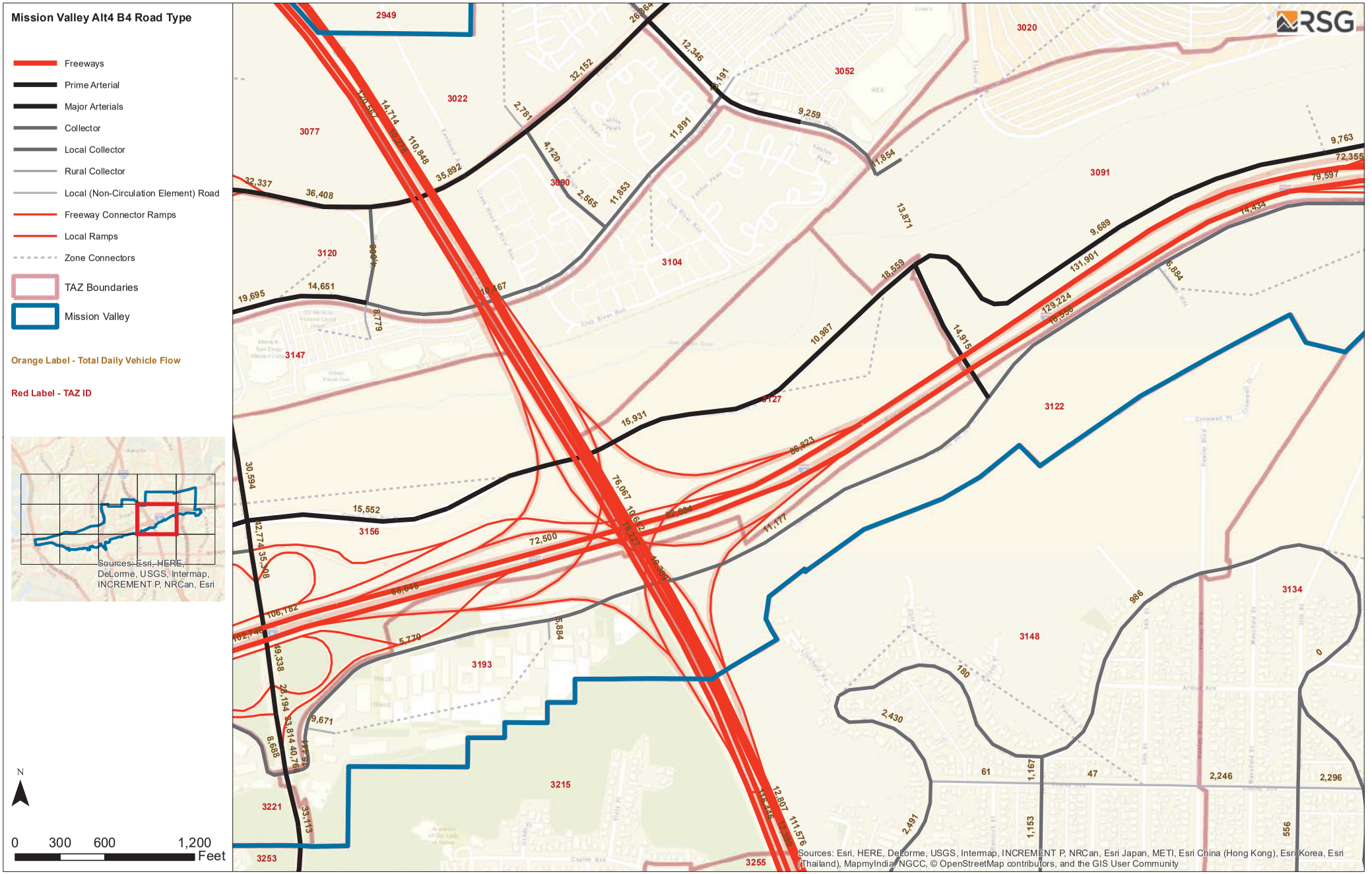


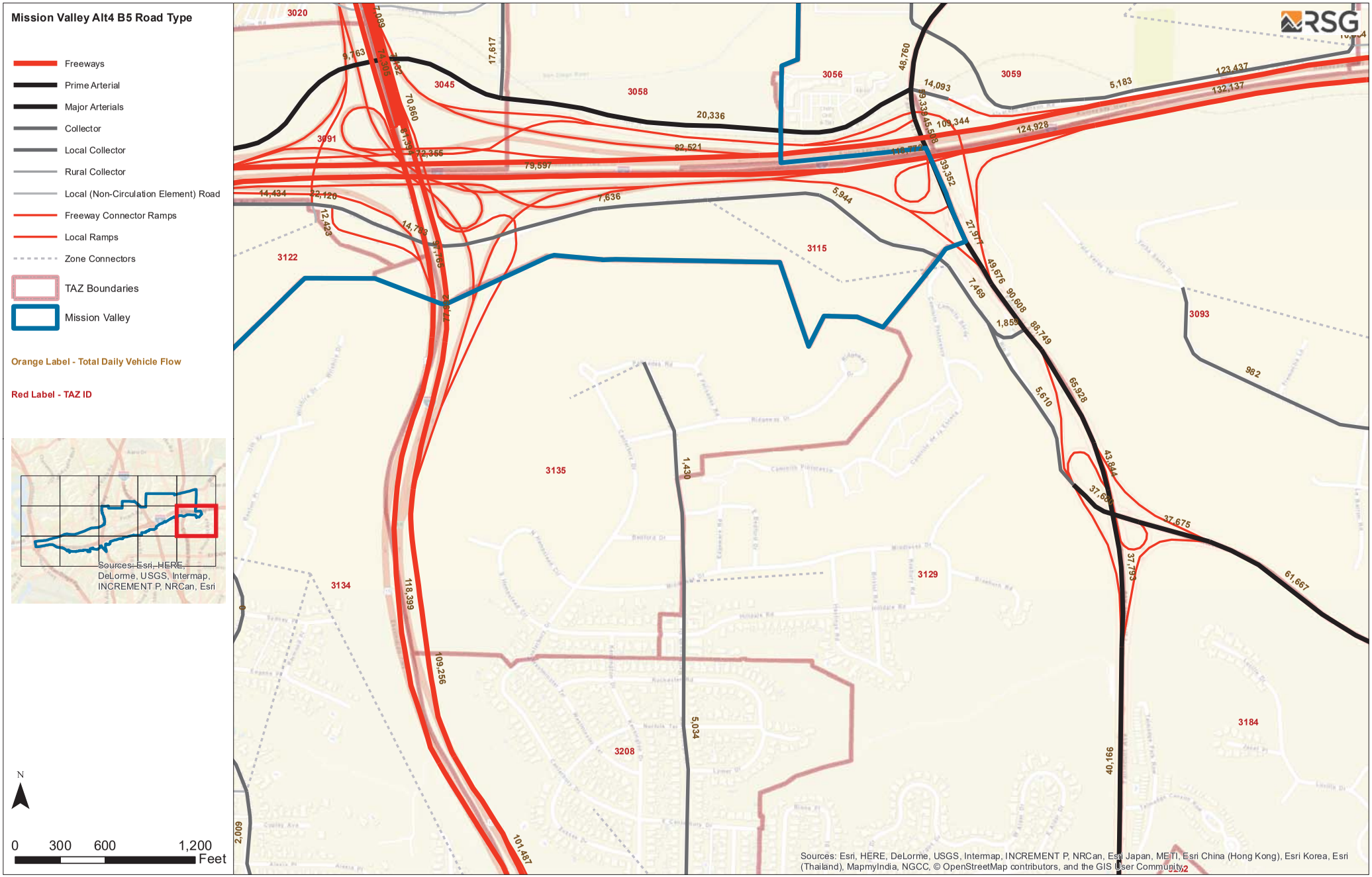

Mission Valley Alt4 A5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2767
2741
2826
2937
2800
2907
2916
2975
2977
2978
3014
3002
3045
3020
3058
3056
3059
3040
2990
3007
116,084
126,365
19,097
21,873
27,505
1,473
1,727
8,645
14,245
13,997
3,238
12,757
26,076
19,534
5,681
1,999
3,585
36,762
62,042
63,000
70,293
50,612
55,614
83,272
55,843
101,508
2,069
14,310
9,302
12,383
13,534
13,360
133,986
8,861
8,025
10,692
74,305
27,655
18,055
6,159
10,049
8,267
2,361
24,844
4,011
9,595
1,853
1,379
3,474
2,105
531
12,122
11,523
1,531
6,922
5,061
3,418
2,722
14,266
16,935
4,436
24,911
286
22,607
21,348
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

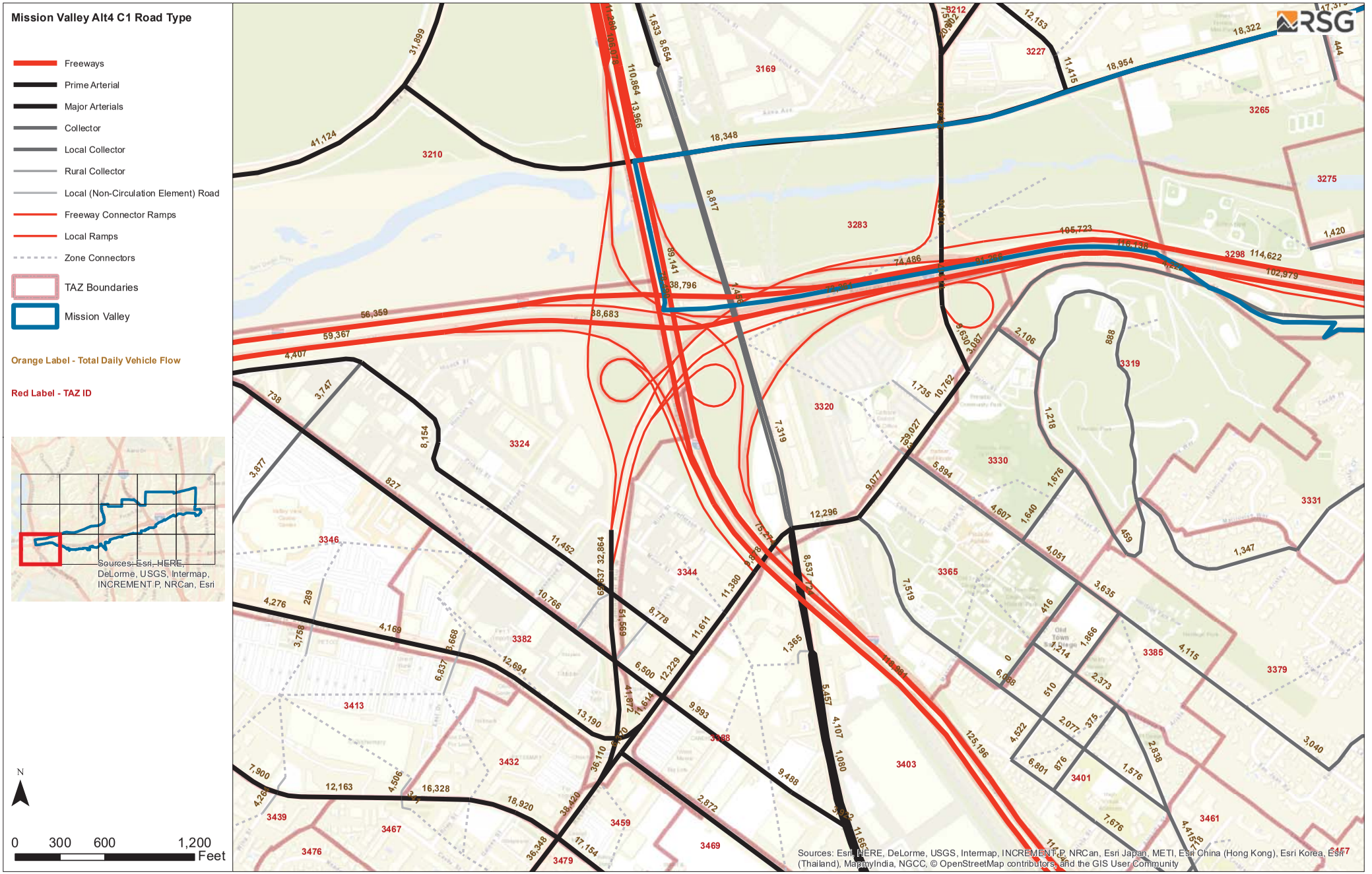

Mission Valley Alt4 B1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
3072
3051
3057
3064
3085
3089
3066
3126
3149
2908
3144
3169
3201
3212
3210
3227
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

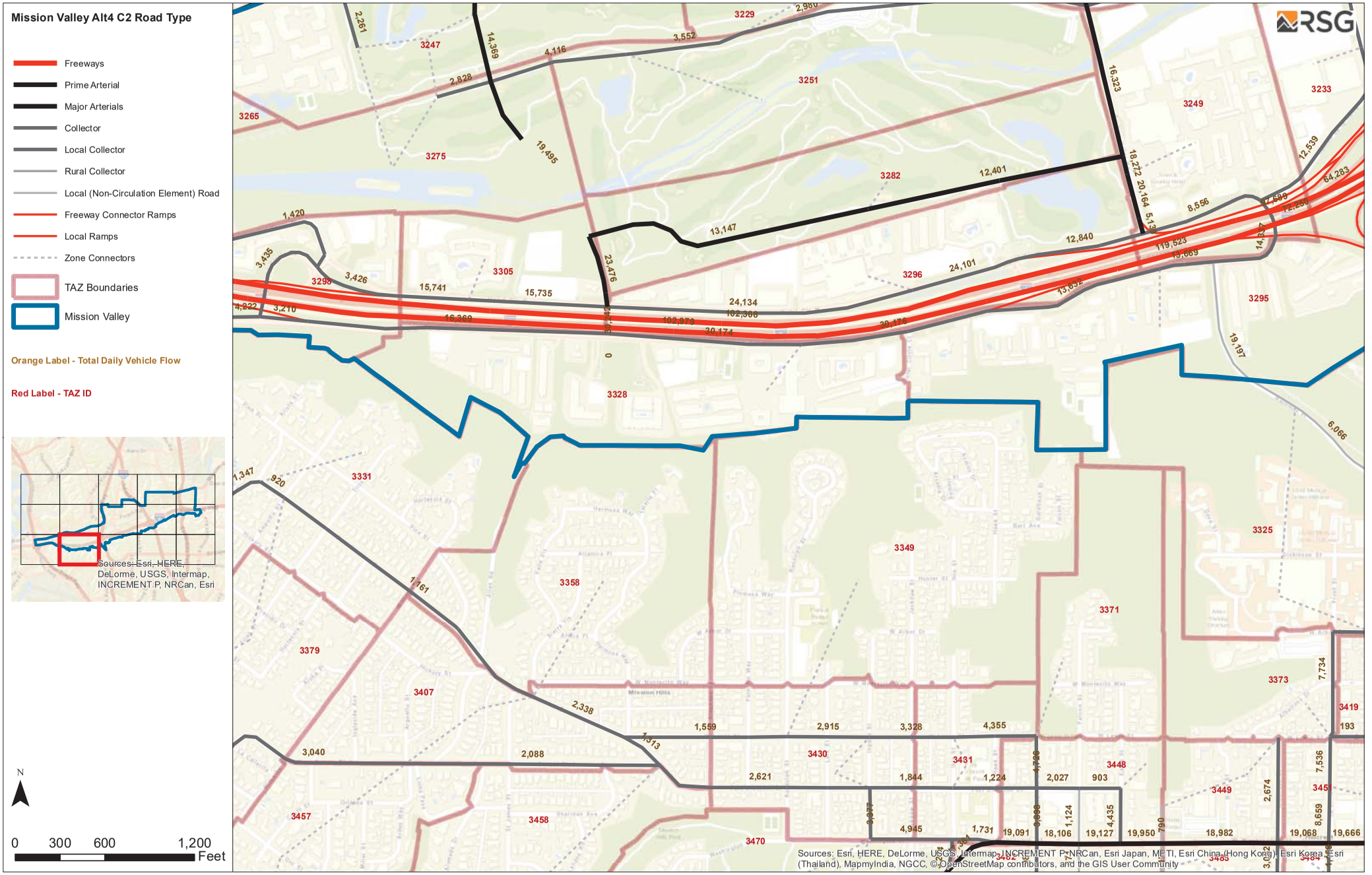

Mission Valley Alt4 B2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
3064
3066
3068
3046
3062
3076
3103
3109
3144
3099
3166
3153
3173
3187
3201
3190
3217
3227
3229
3247
3233
3249
3251
2,137
2,972
3,089
6,060
6,770
7,814
3,451
14,812
3,776
18,329
2,971
721
23,900
2,895
6,482
14,986
151
2,596
25,840
1,635
27,157
16,227
9,725
1,754
18,623
13,375
14,074
7,072
5,859
7,957
2,261
12,540
22,037
17,379
14,284
24,314
21,083
22,190
24,813
5,324
25,029
23,689
41,662
17,973
5,524
8,217
7,800
11,860
14,648
10,271
16,922
13,509
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

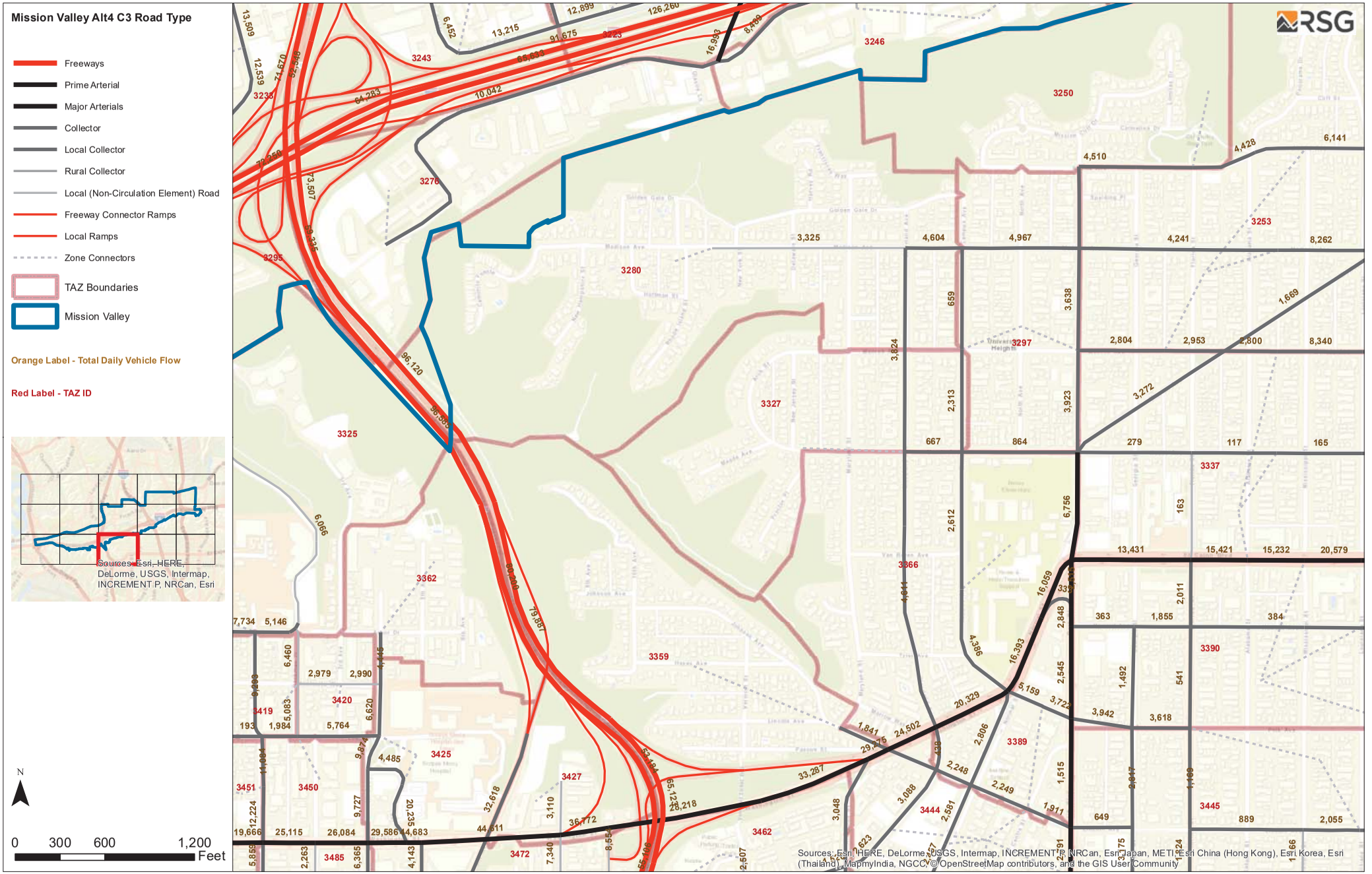

Mission Valley Alt4 B3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

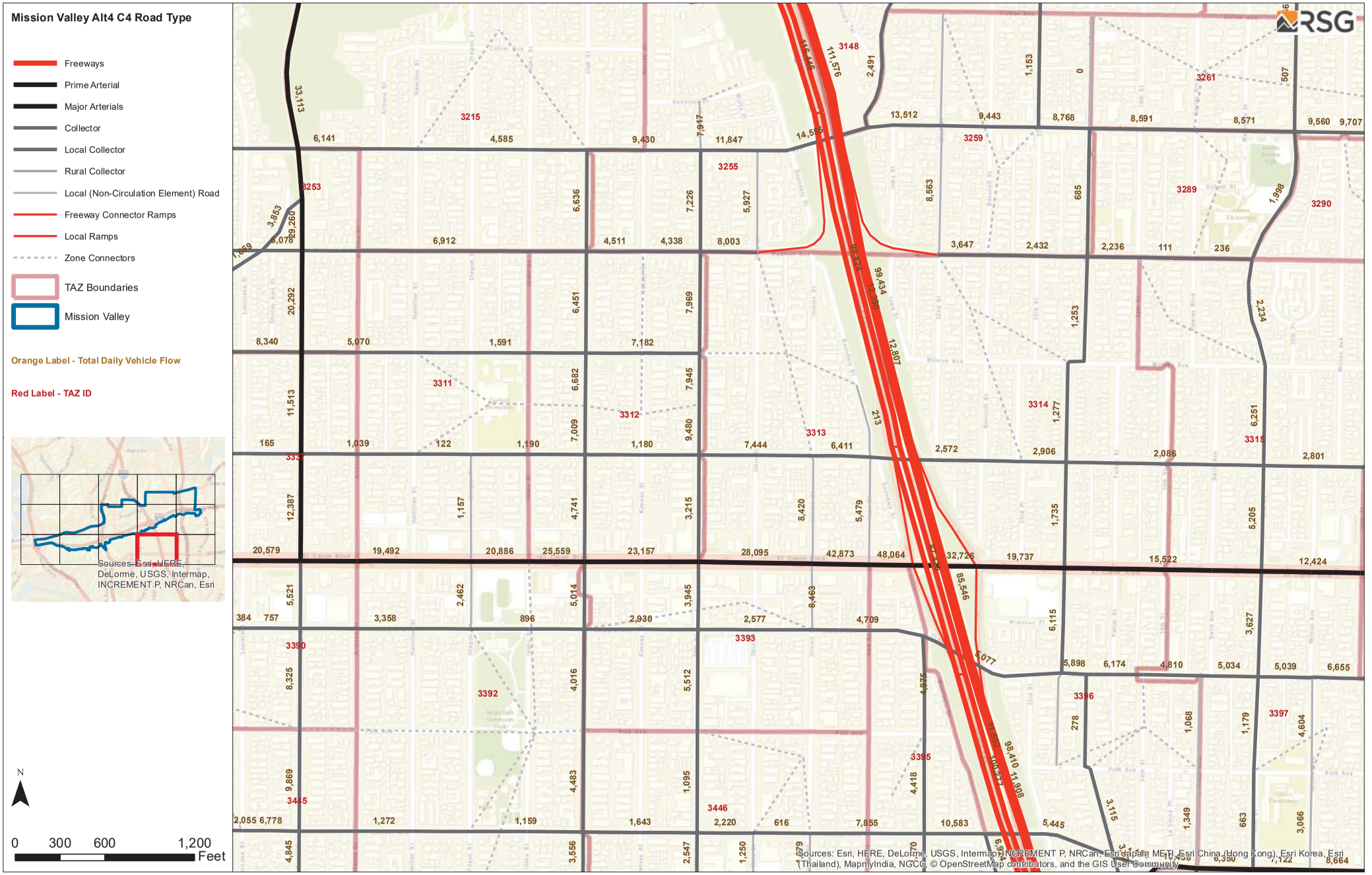

Mission Valley Alt4 B4 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
2949
3020
3052
3022
3077
3091
3120
3104
3147
3122
3156
3148
3134
3193
3215
3221
3253
3255
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

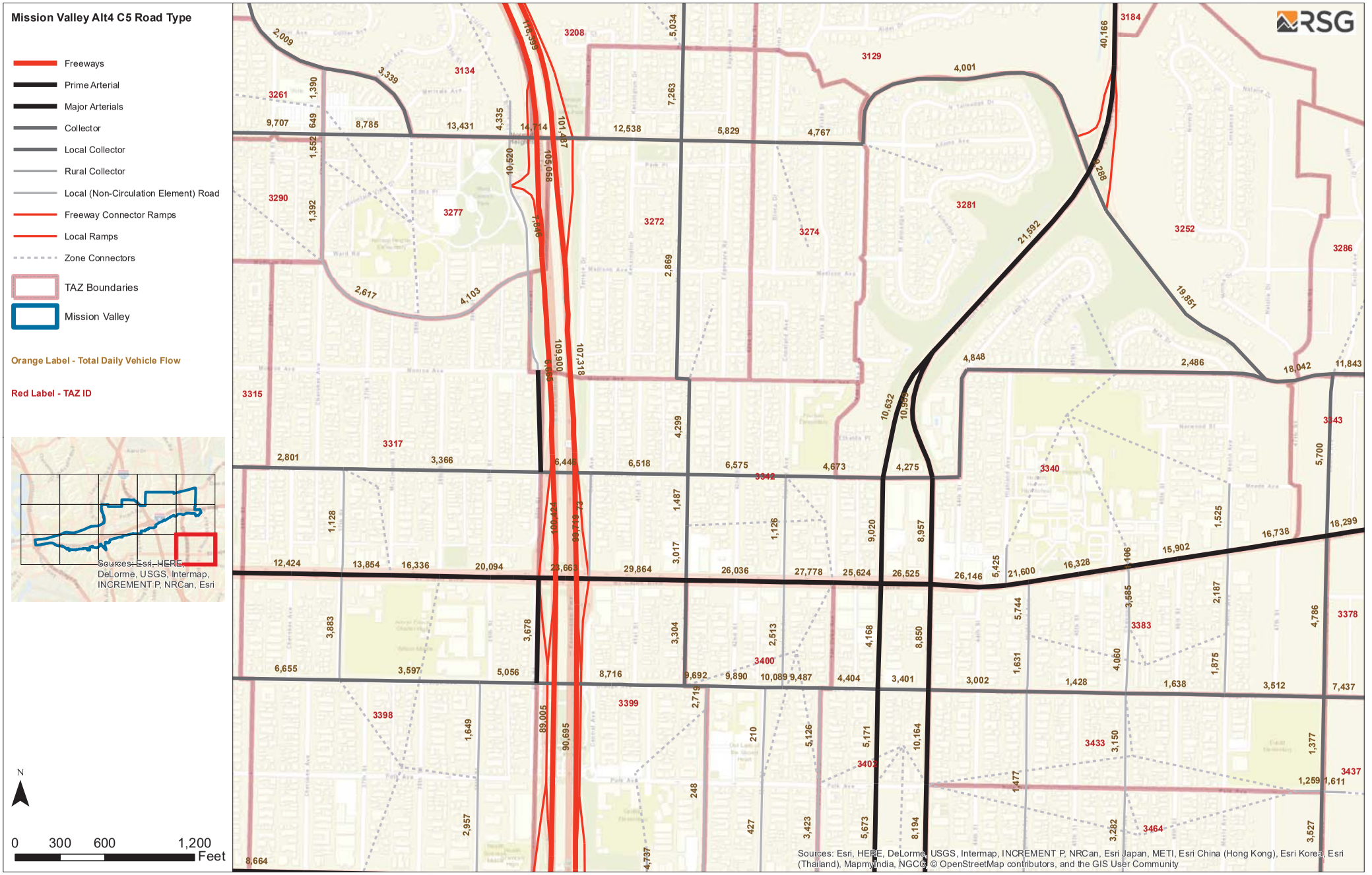

Mission Valley Alt4 B5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
3020
3045
3058
3056
3059
3091
3122
3115
3093
982
3135
3134
3129
3184
3208
17,617
48,760
14,093
5,183
123,437
132,137
109,344
124,928
82,521
79,597
39,352
5,944
7,636
14,434
12,423
27,971
49,676
90,608
88,749
65,928
5,610
43,844
37,675
61,667
37,793
1,430
118,399
109,256
5,034
40,166
101,487
2,009
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

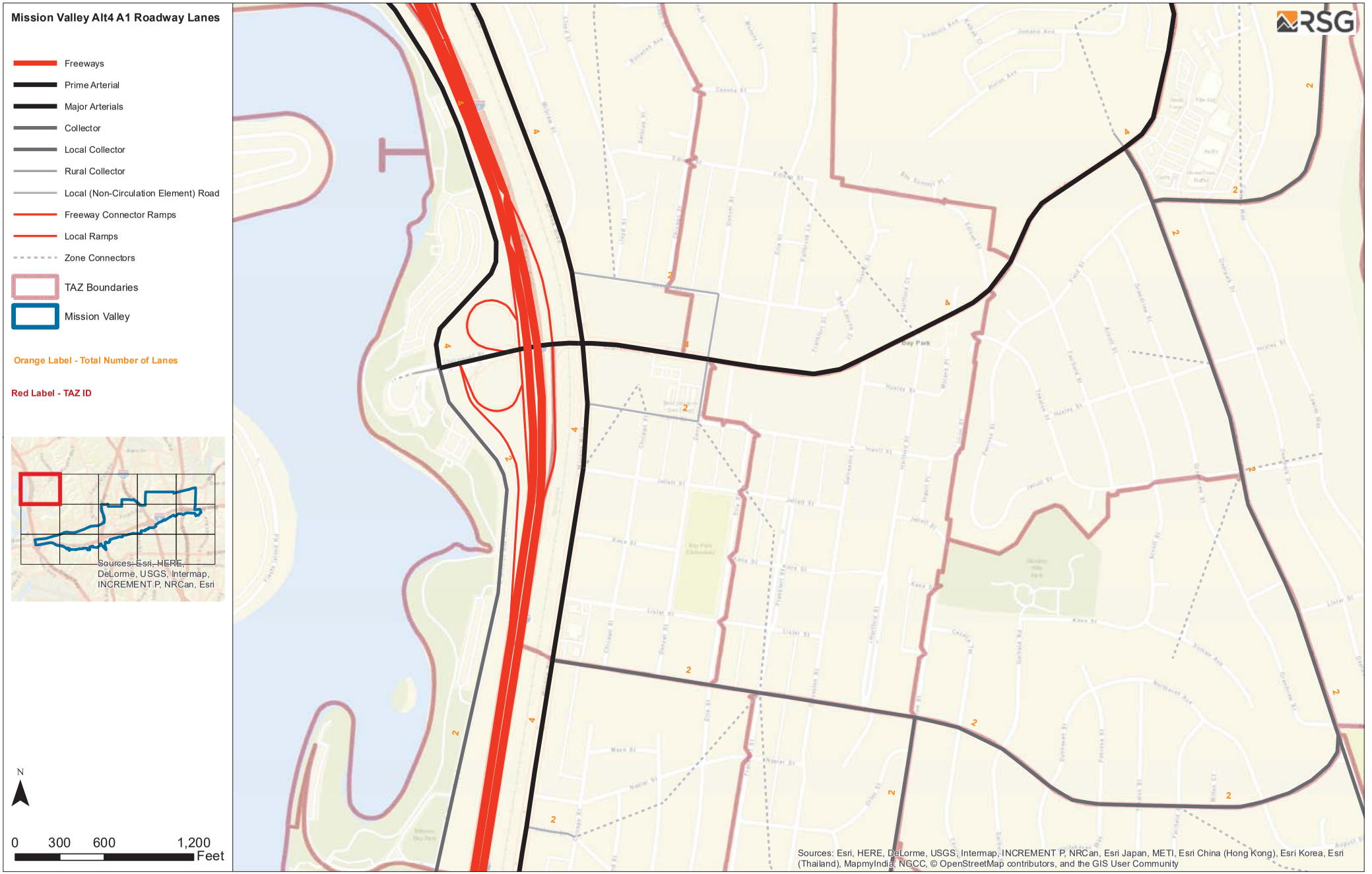

Mission Valley Alt4 C1 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C2 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C3 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C4 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C5 Road Type
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Daily Vehicle Flow
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Mapmyindia, NGCC, © OpenStreetMap contributors, and the GIS User Community

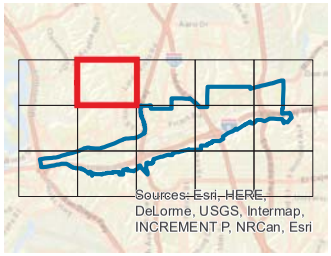

Mission Valley Alt4 A1 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A2 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

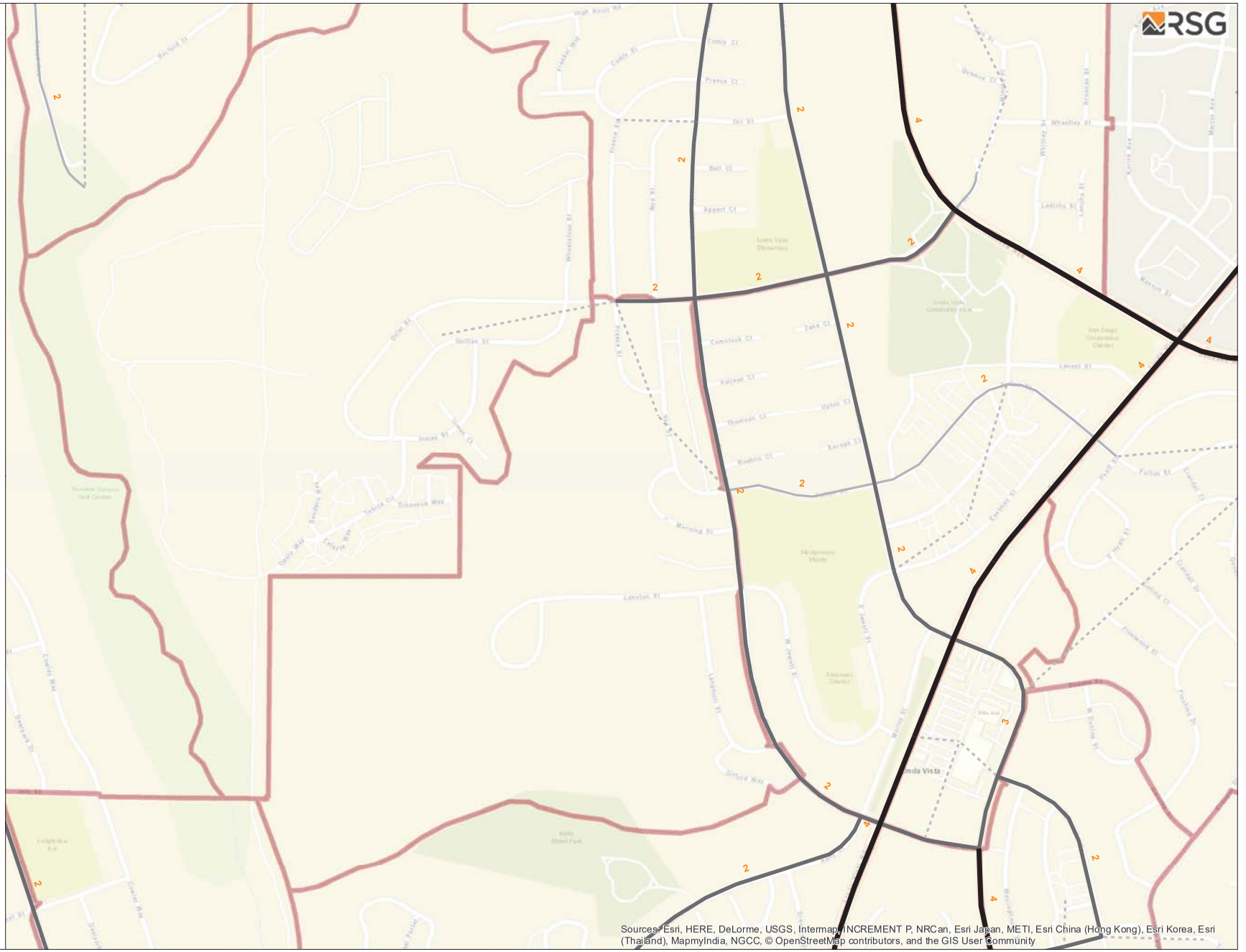
Orange Label - Total Number of Lanes

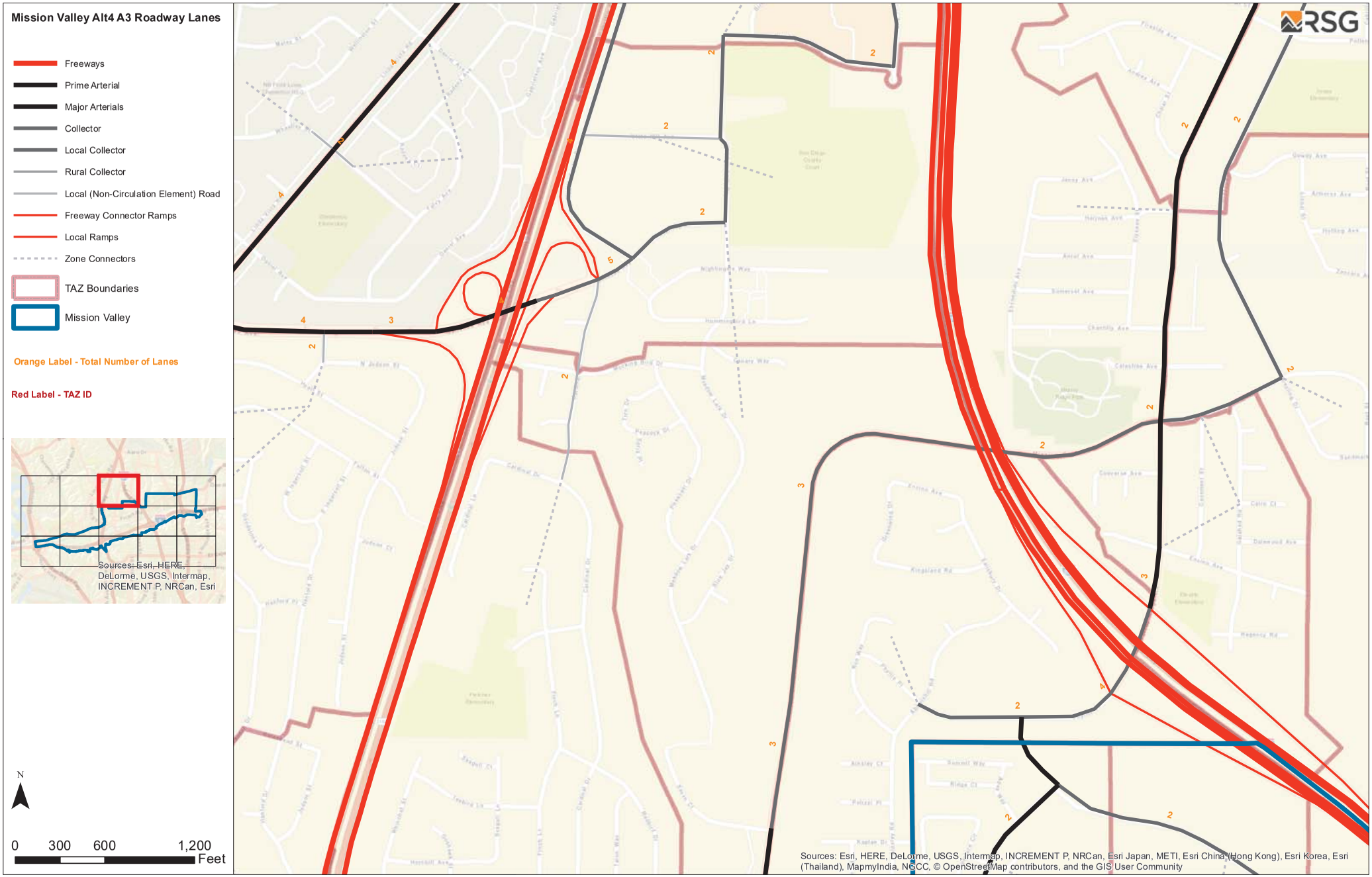
Red Label - TAZ ID



N

0 300 600 1,200 Feet



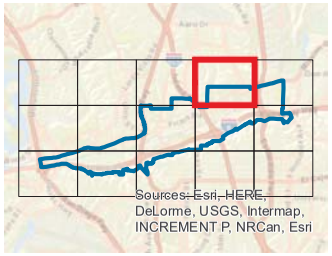

Mission Valley Alt4 A3 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A4 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

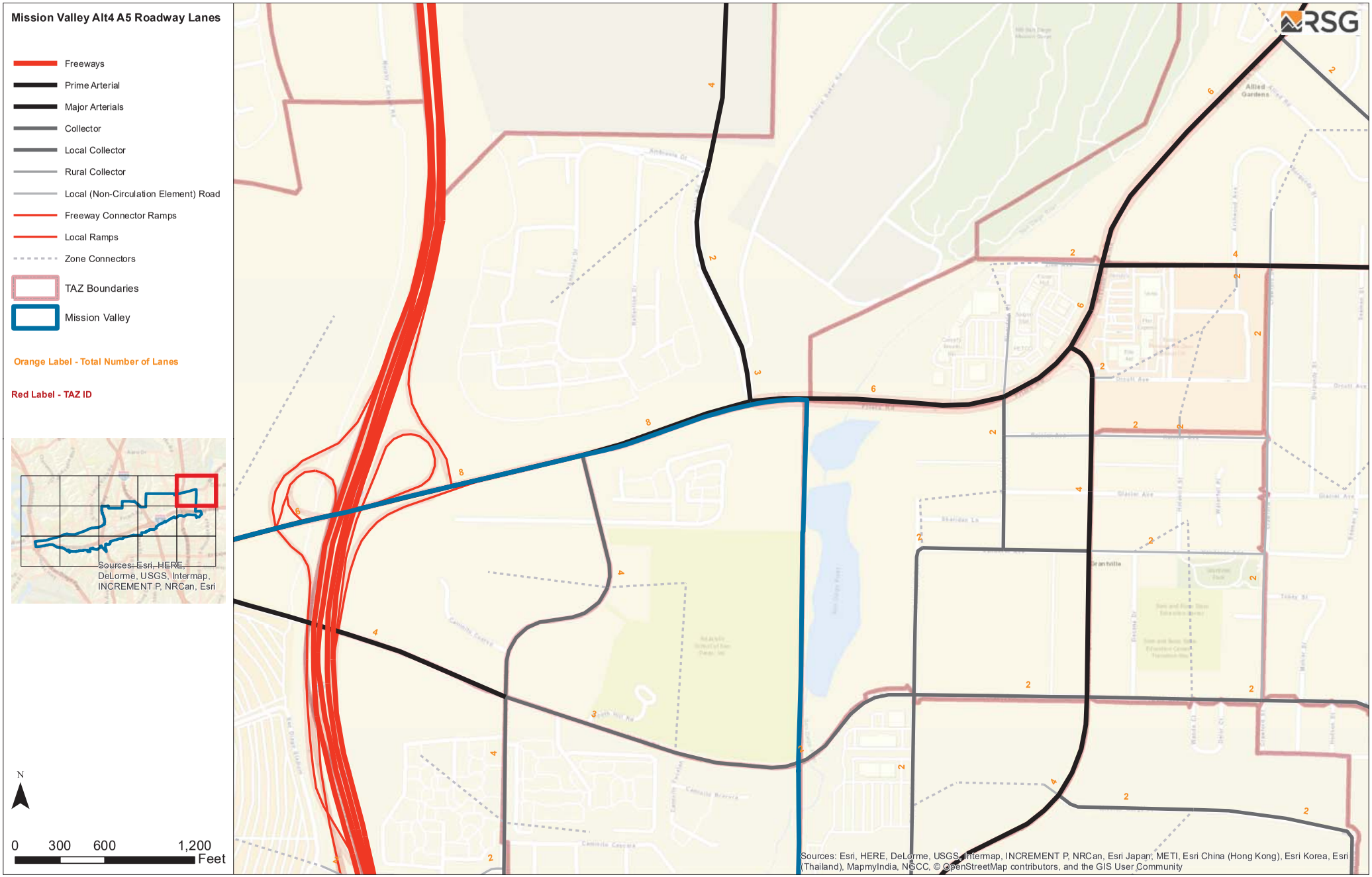
Red Label - TAZ ID

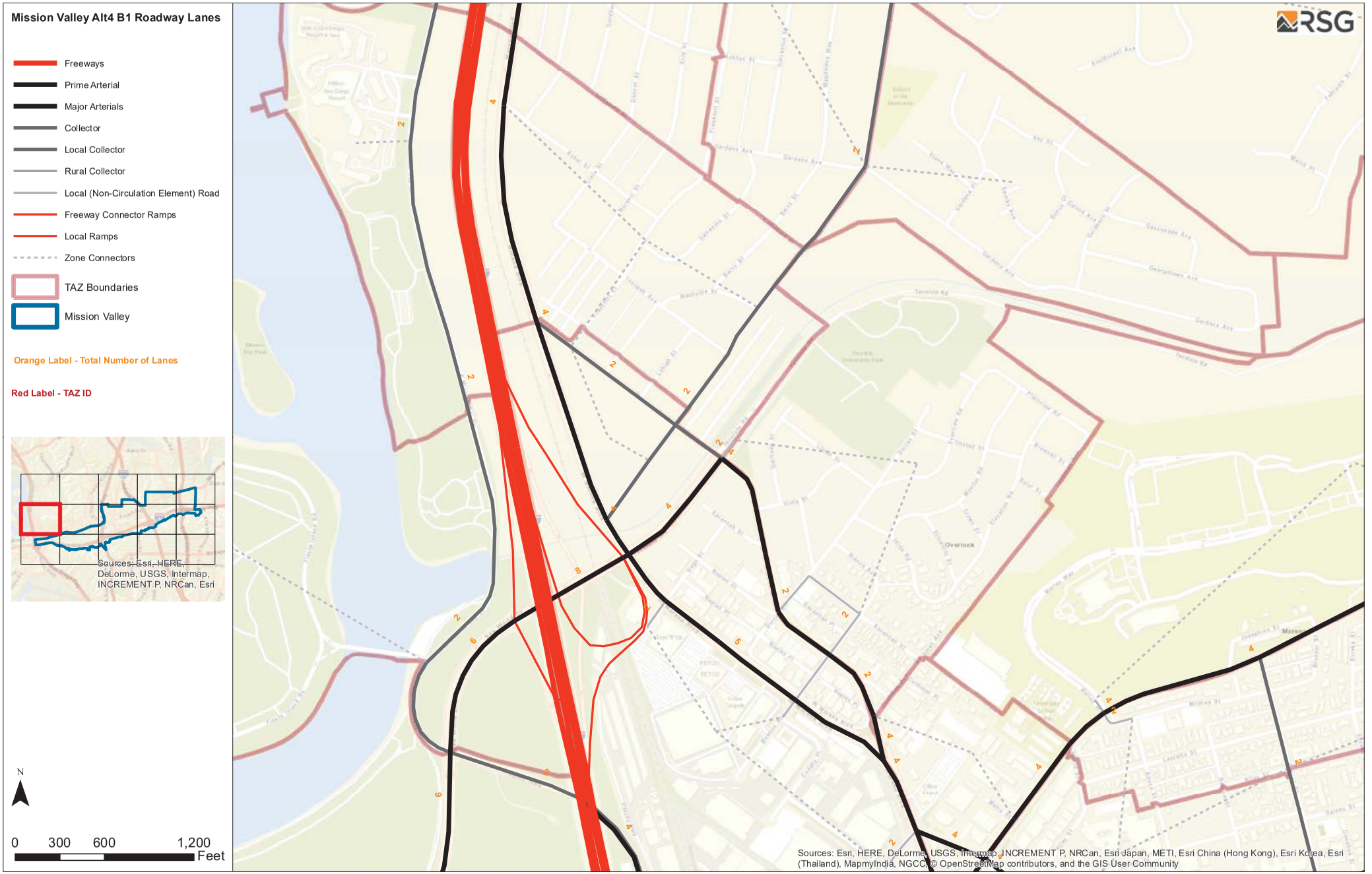


N

0 300 600 1,200 Feet

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 A5 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

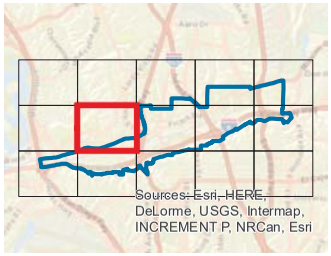

Mission Valley Alt4 B1 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 B2 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

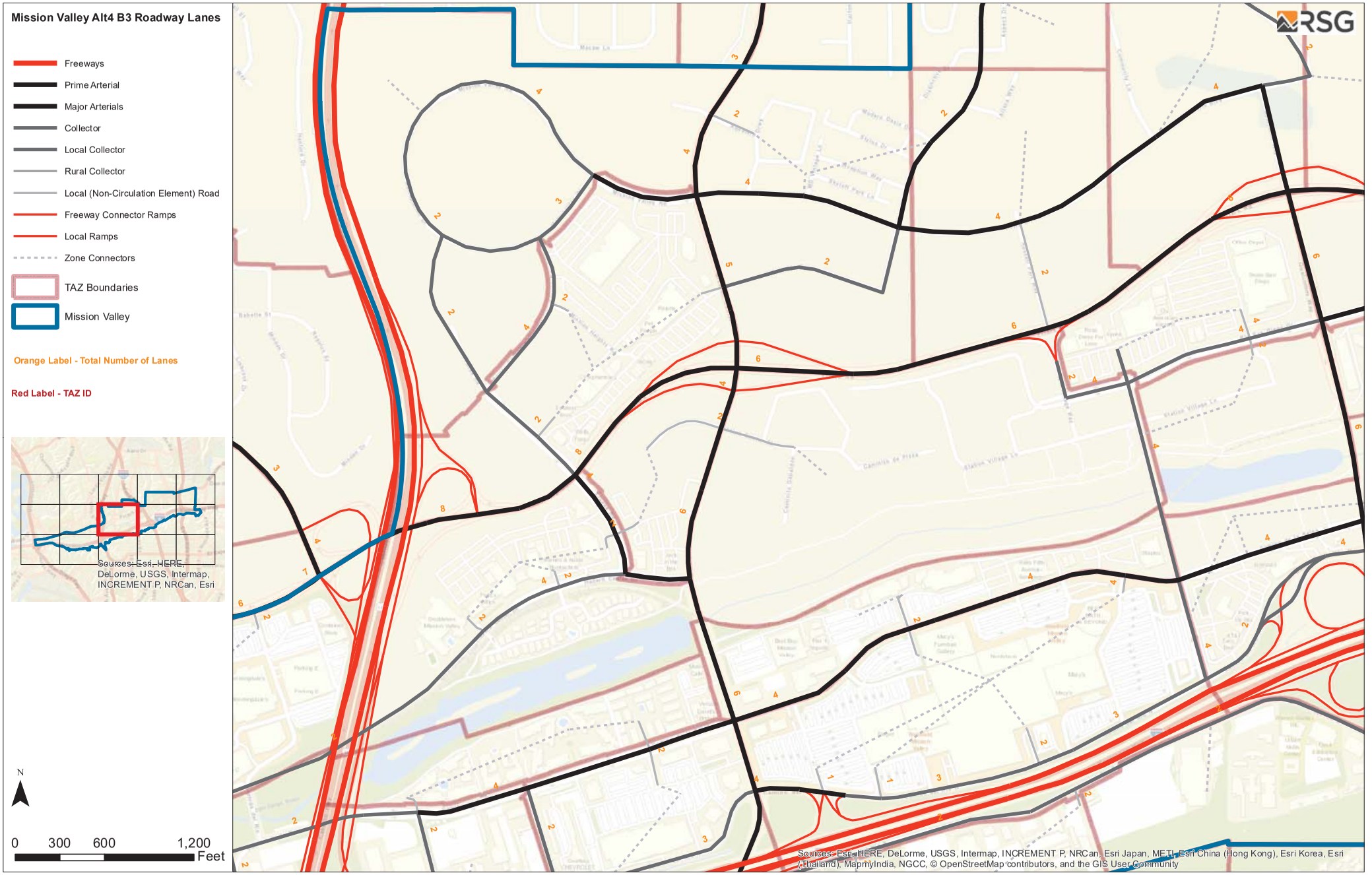


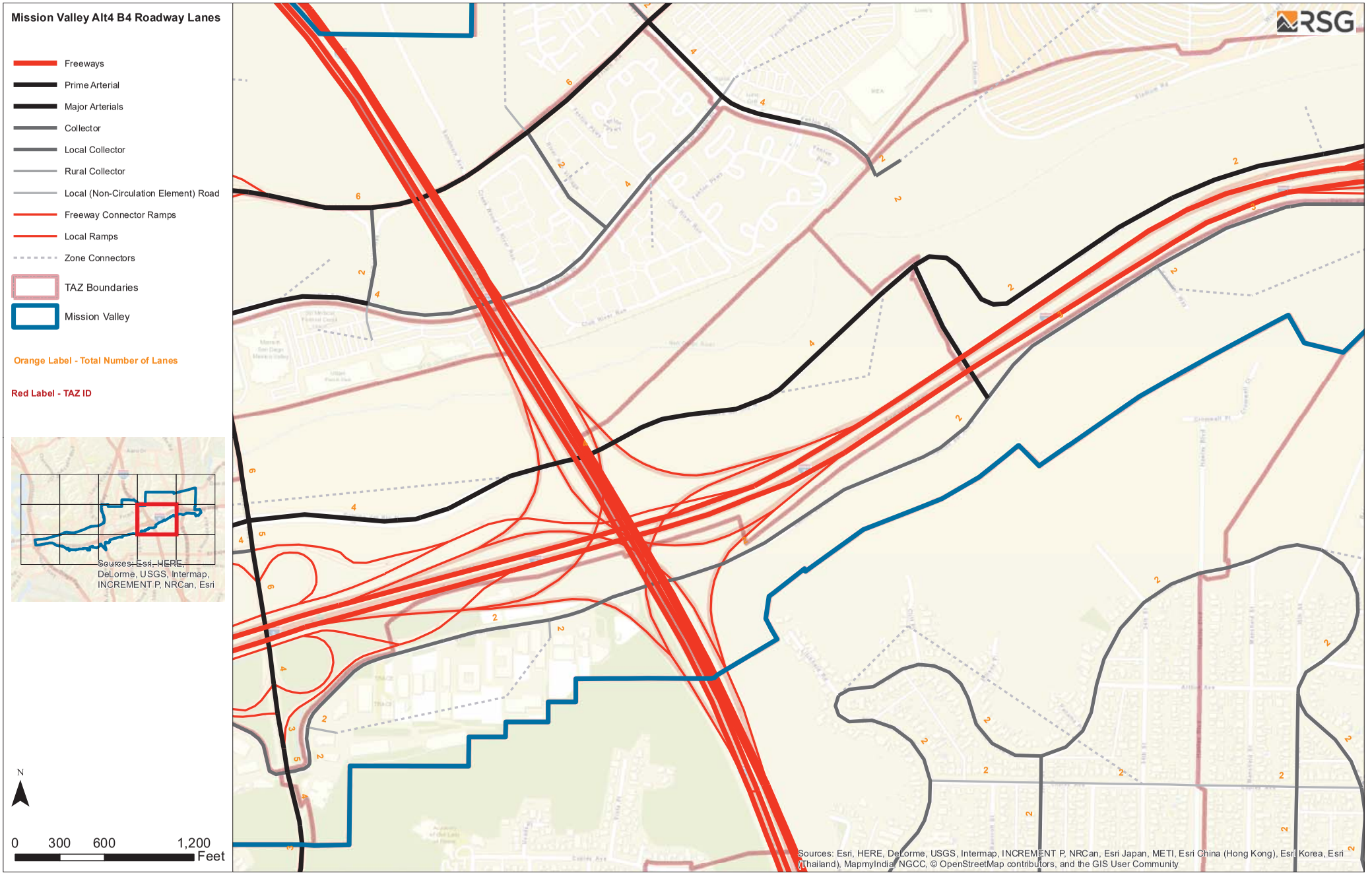
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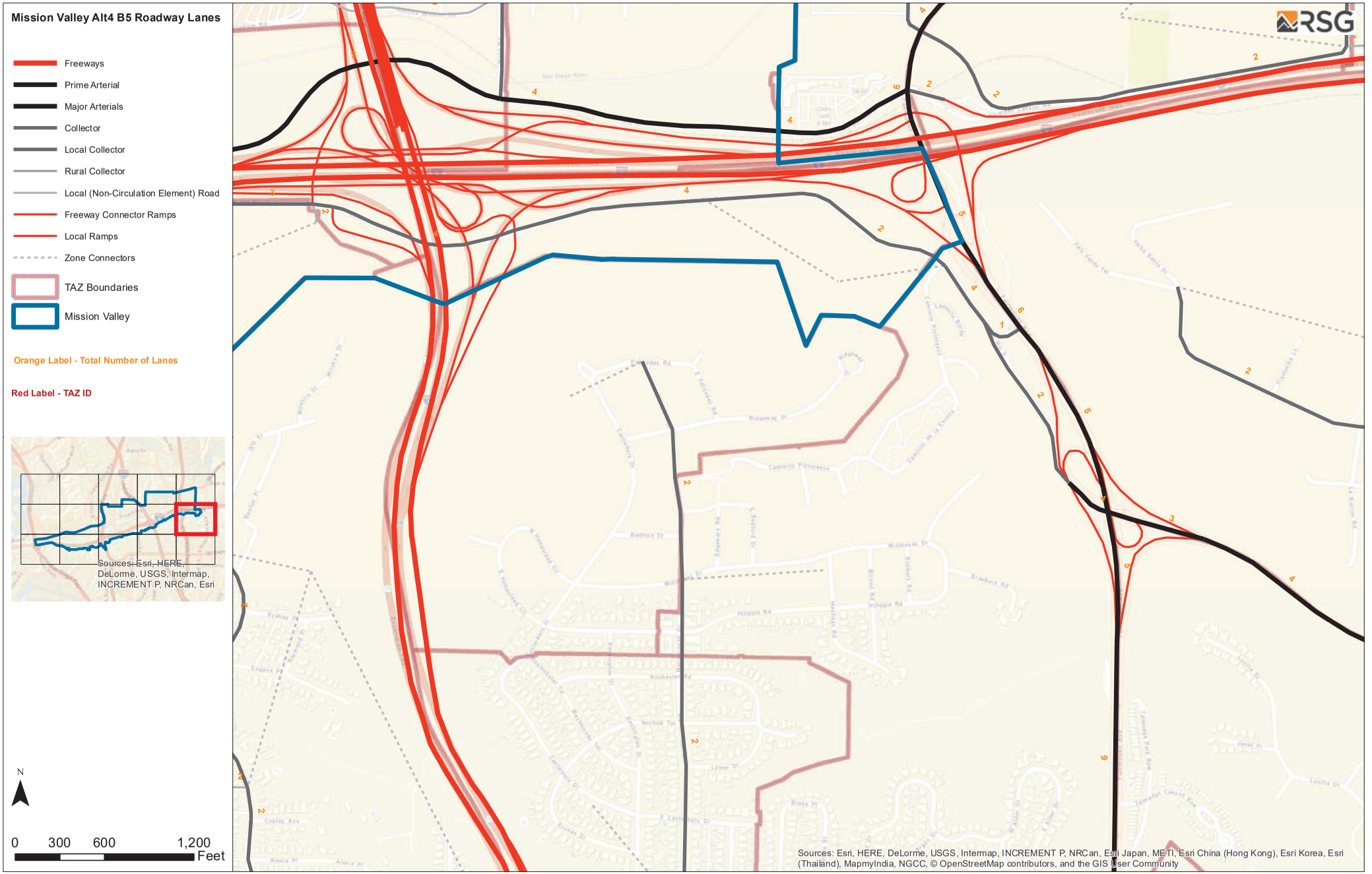
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RSG

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 B3 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 B4 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

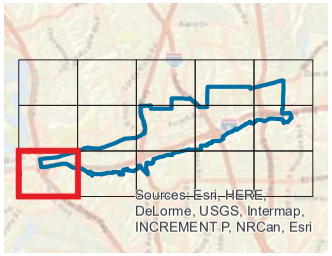

Mission Valley Alt4 B5 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 C1 Roadway Lanes

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

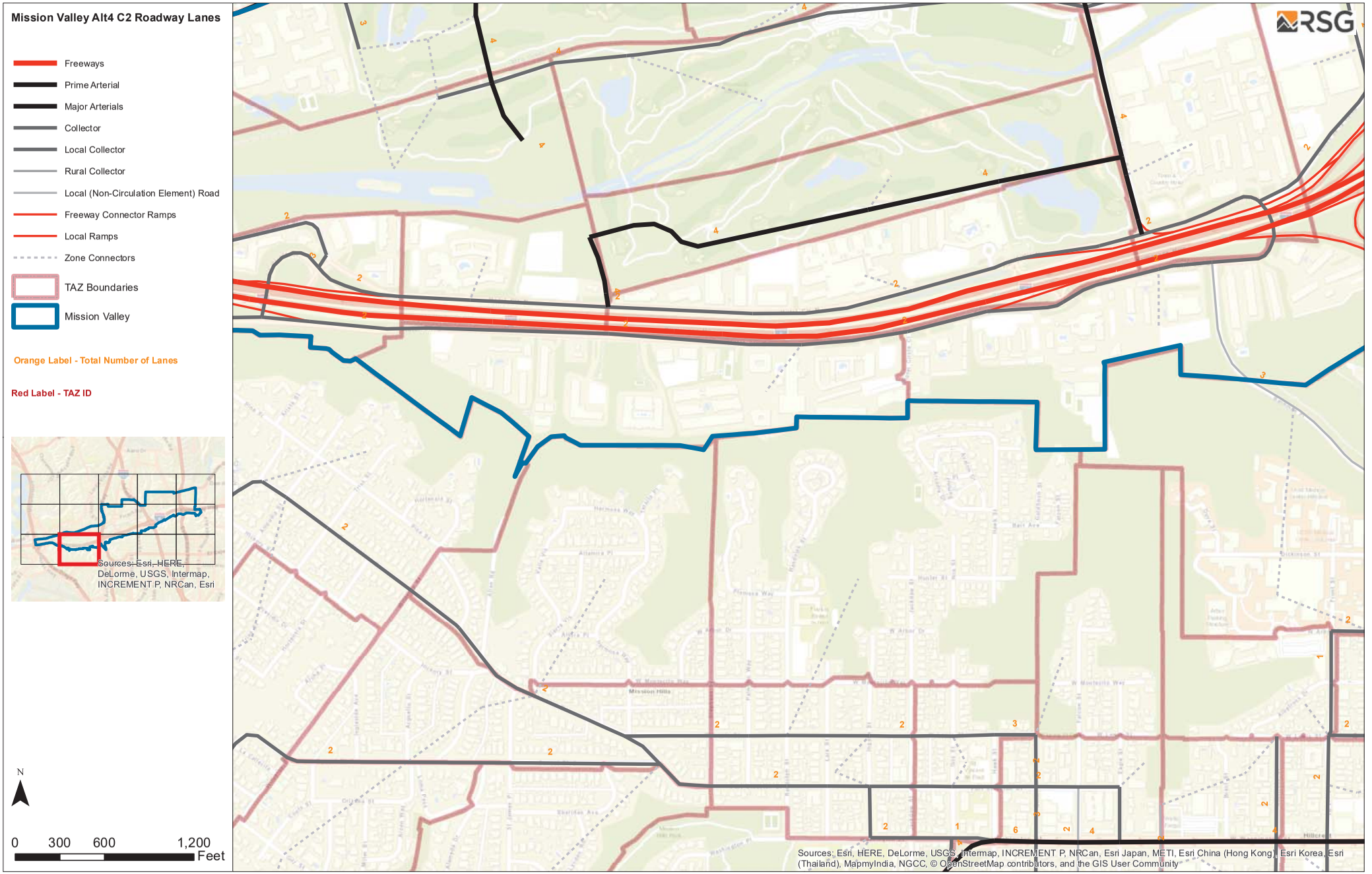


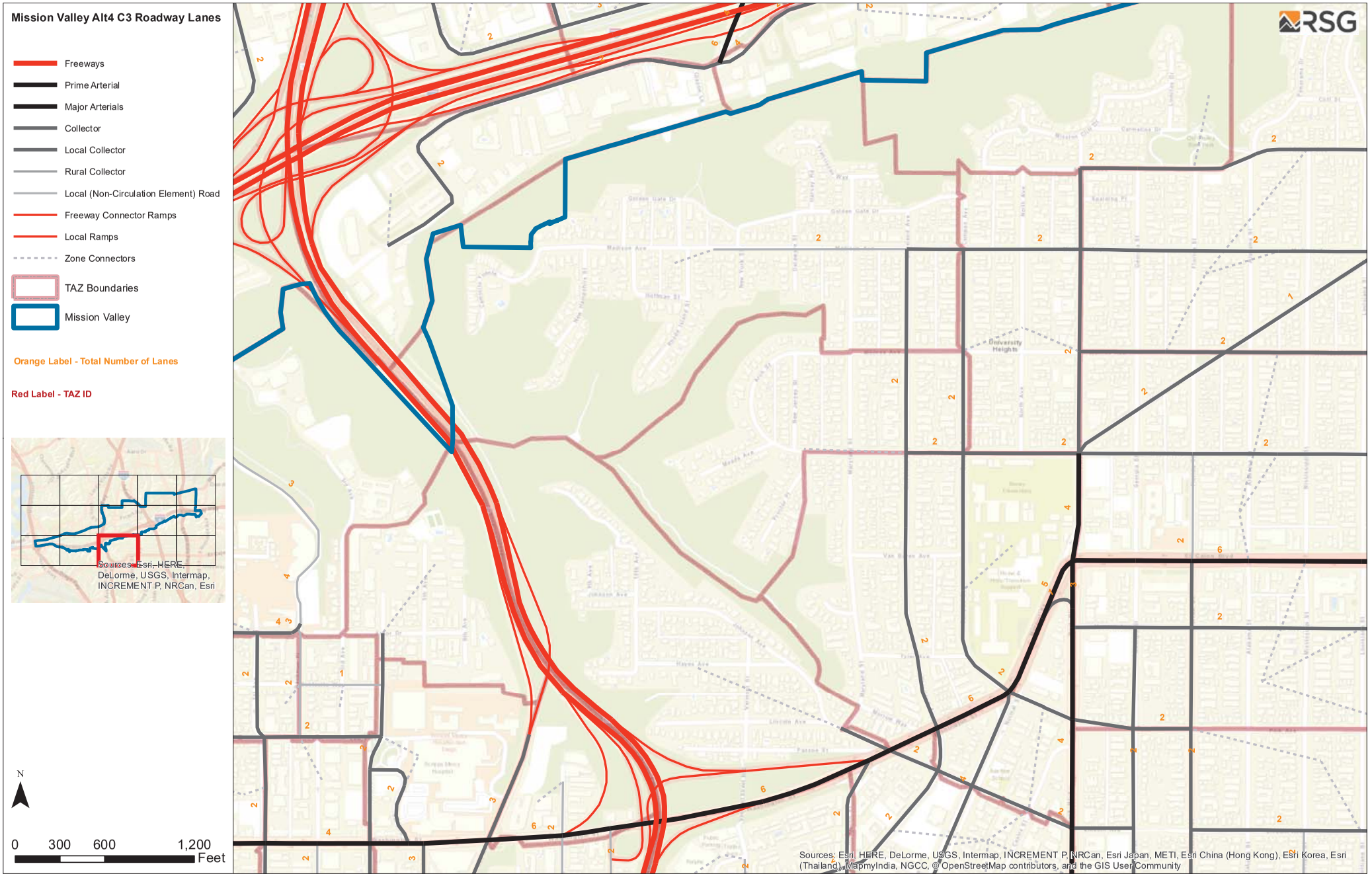
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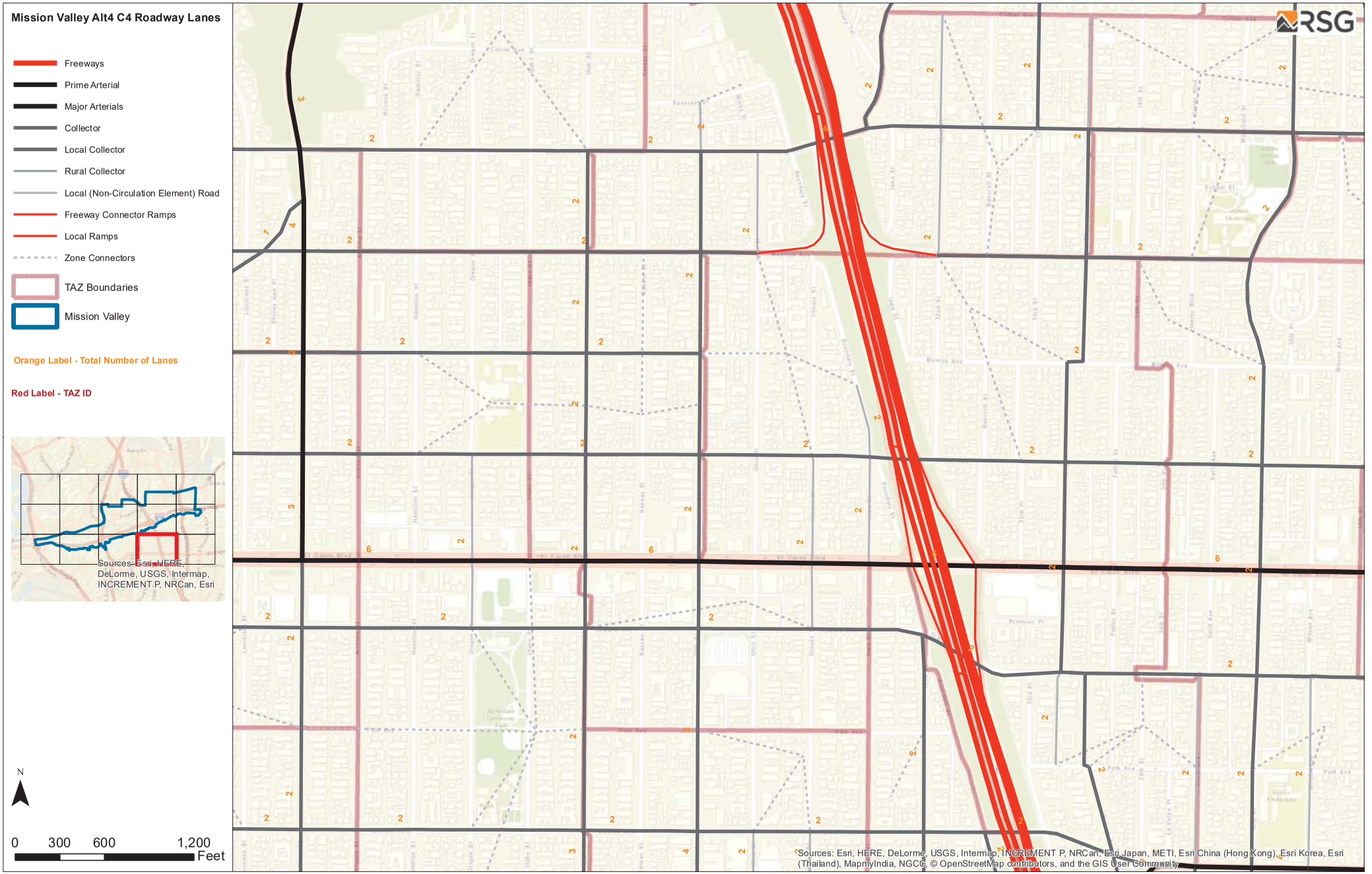
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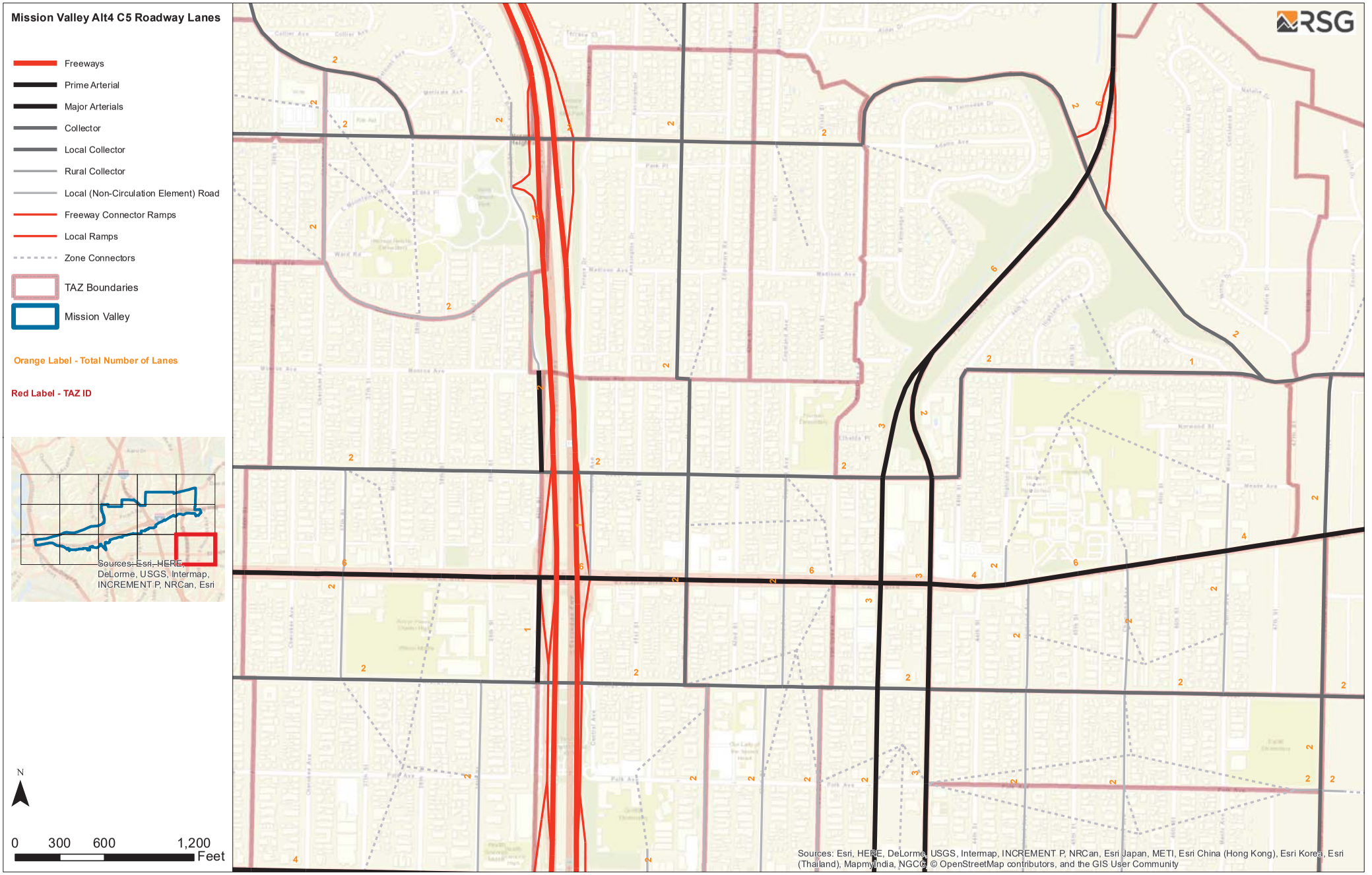
RSG

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Mission Valley Alt4 C2 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C3 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

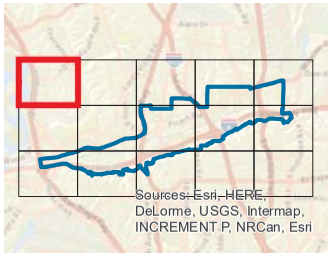

Mission Valley Alt4 C4 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C5 Roadway Lanes
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A1 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

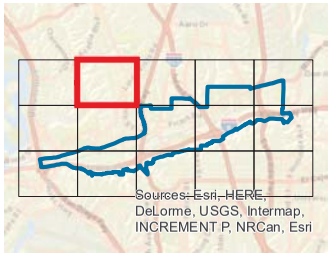
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A2 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

0 300 600 1,200 Feet

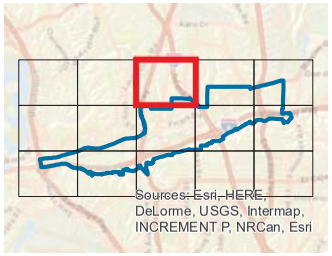
RSG

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A3 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

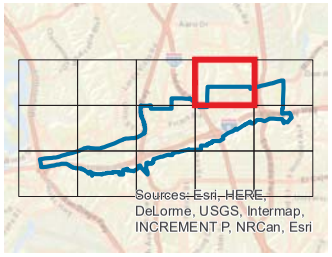
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A4 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

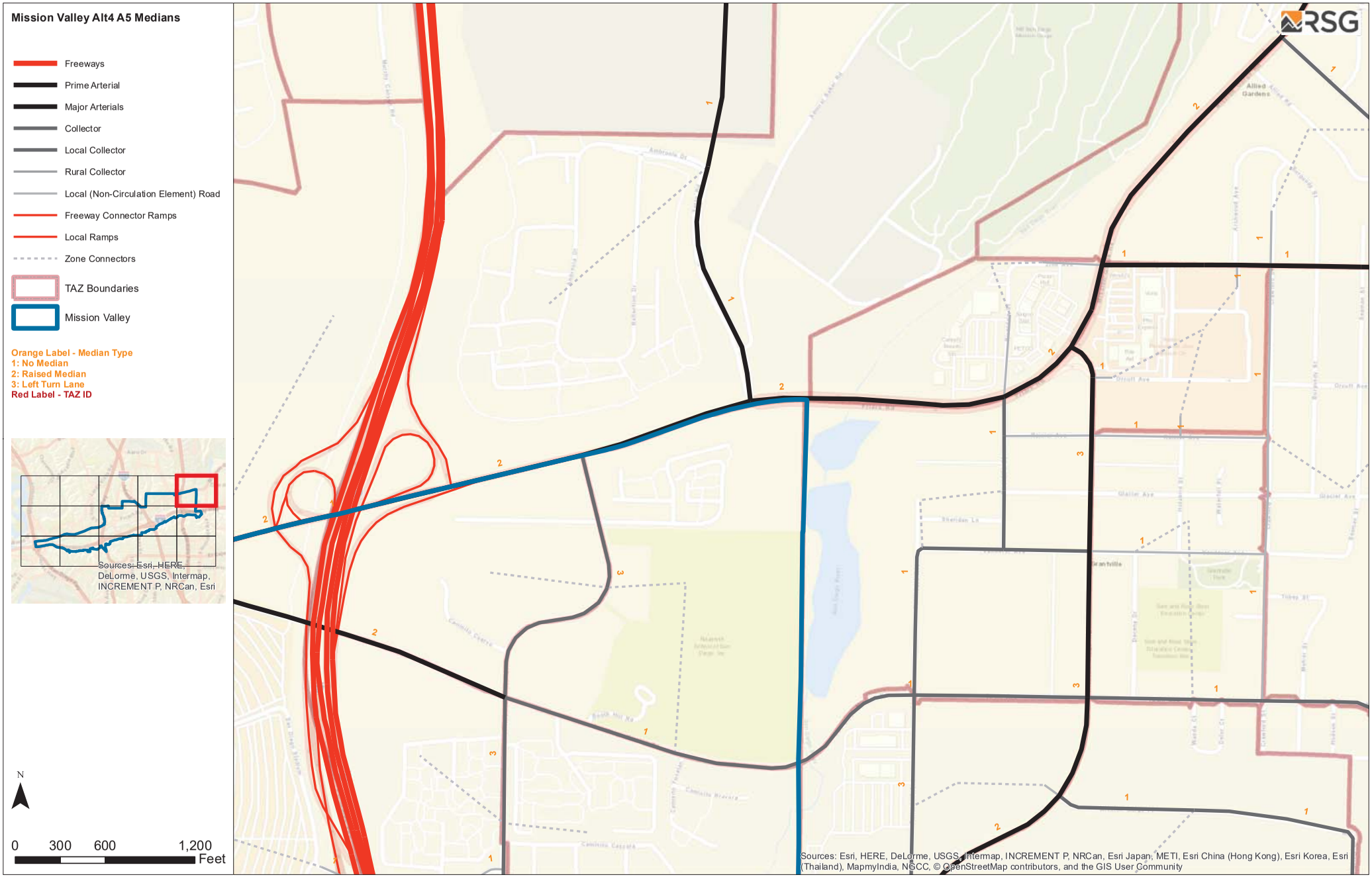
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

0 300 600 1,200 Feet

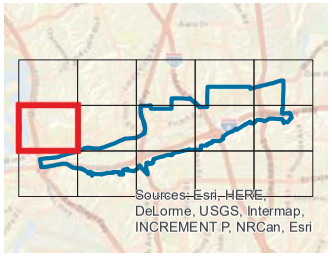
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 A5 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 B1 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

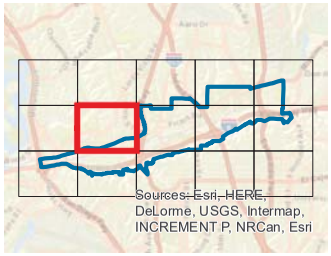
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Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 B2 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

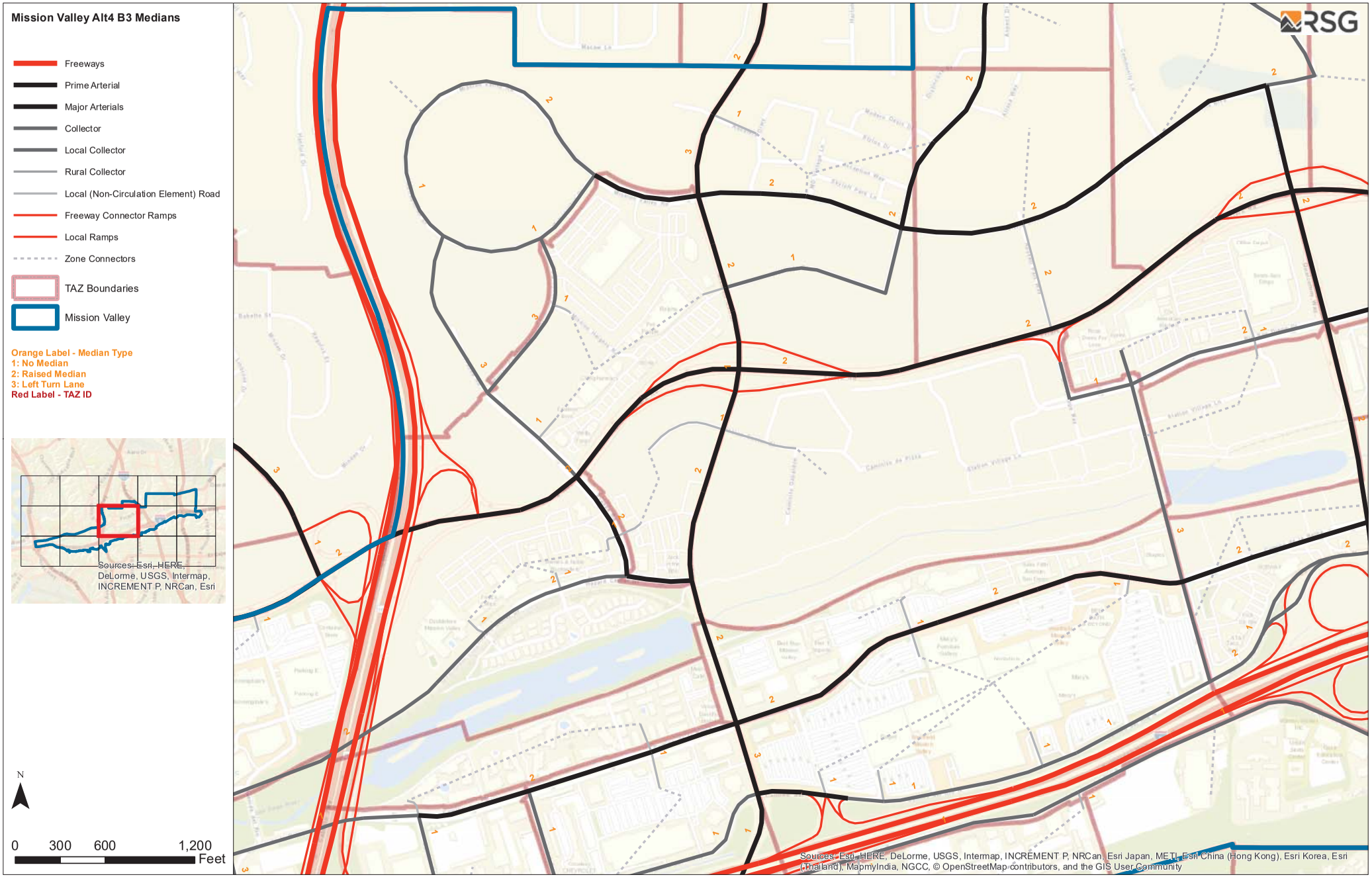
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

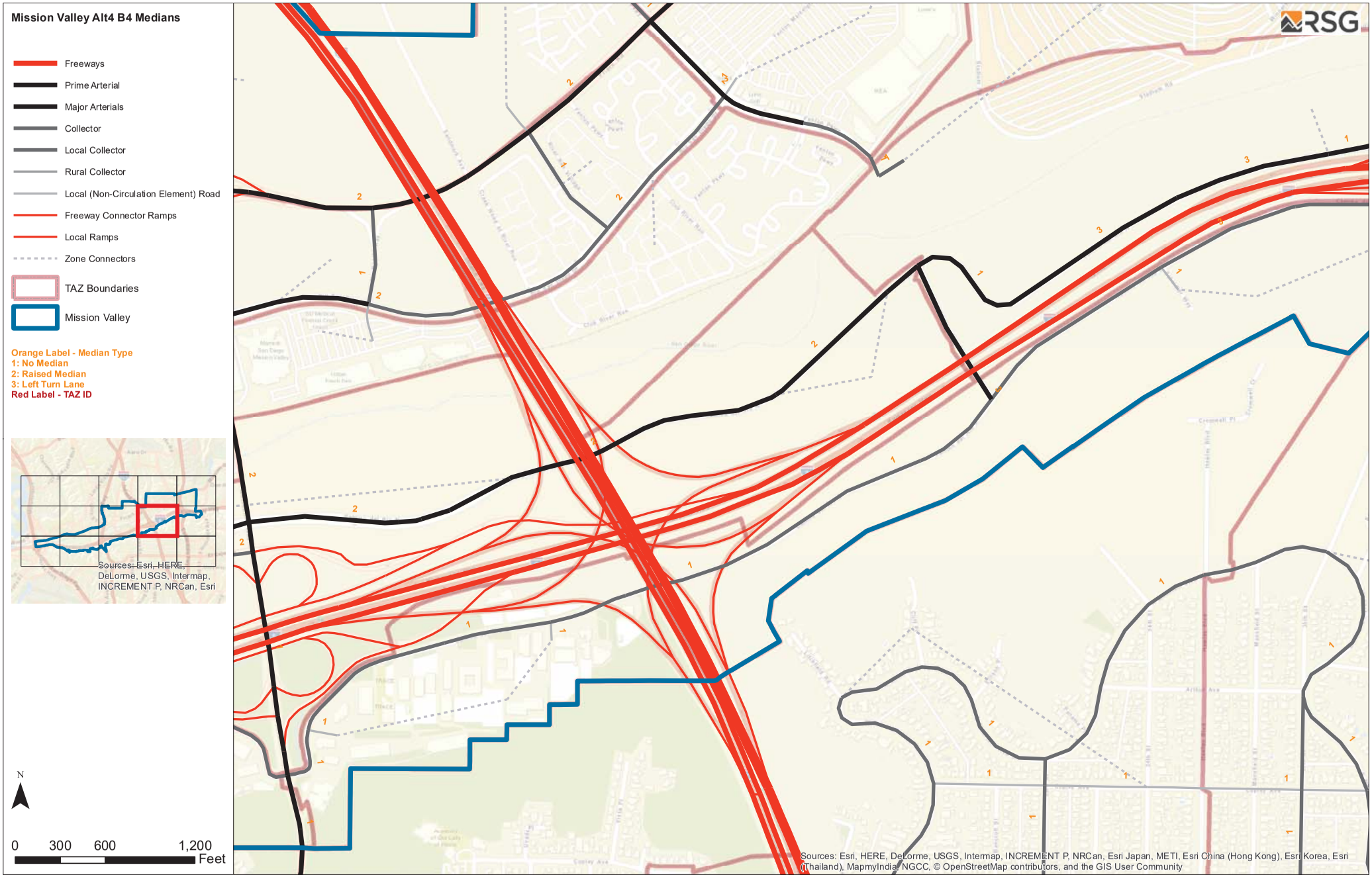


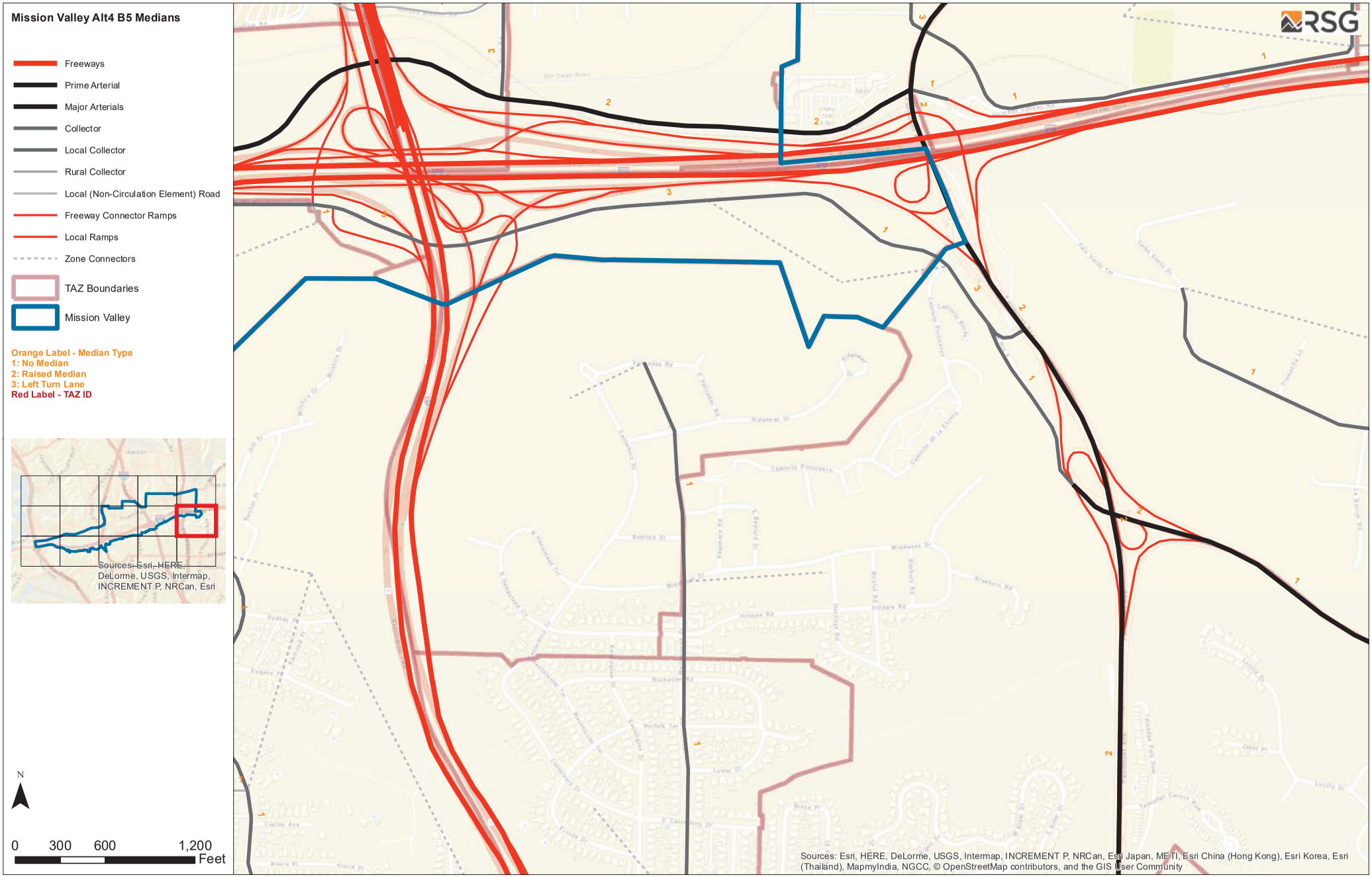
N

0 300 600 1,200 Feet

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 B3 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

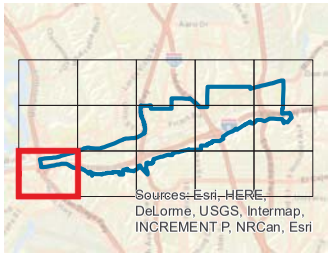

Mission Valley Alt4 B4 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 B5 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 C1 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

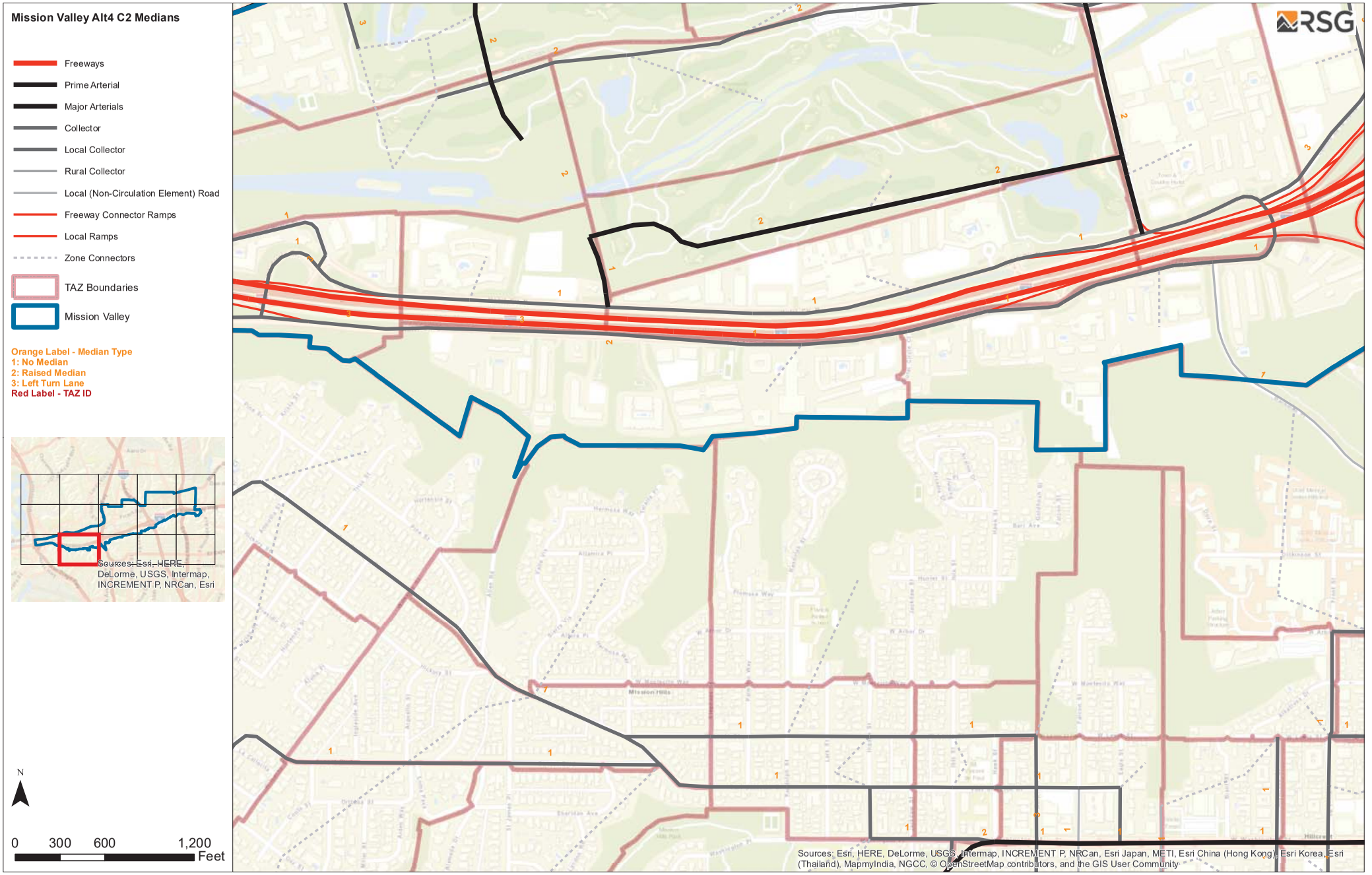
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

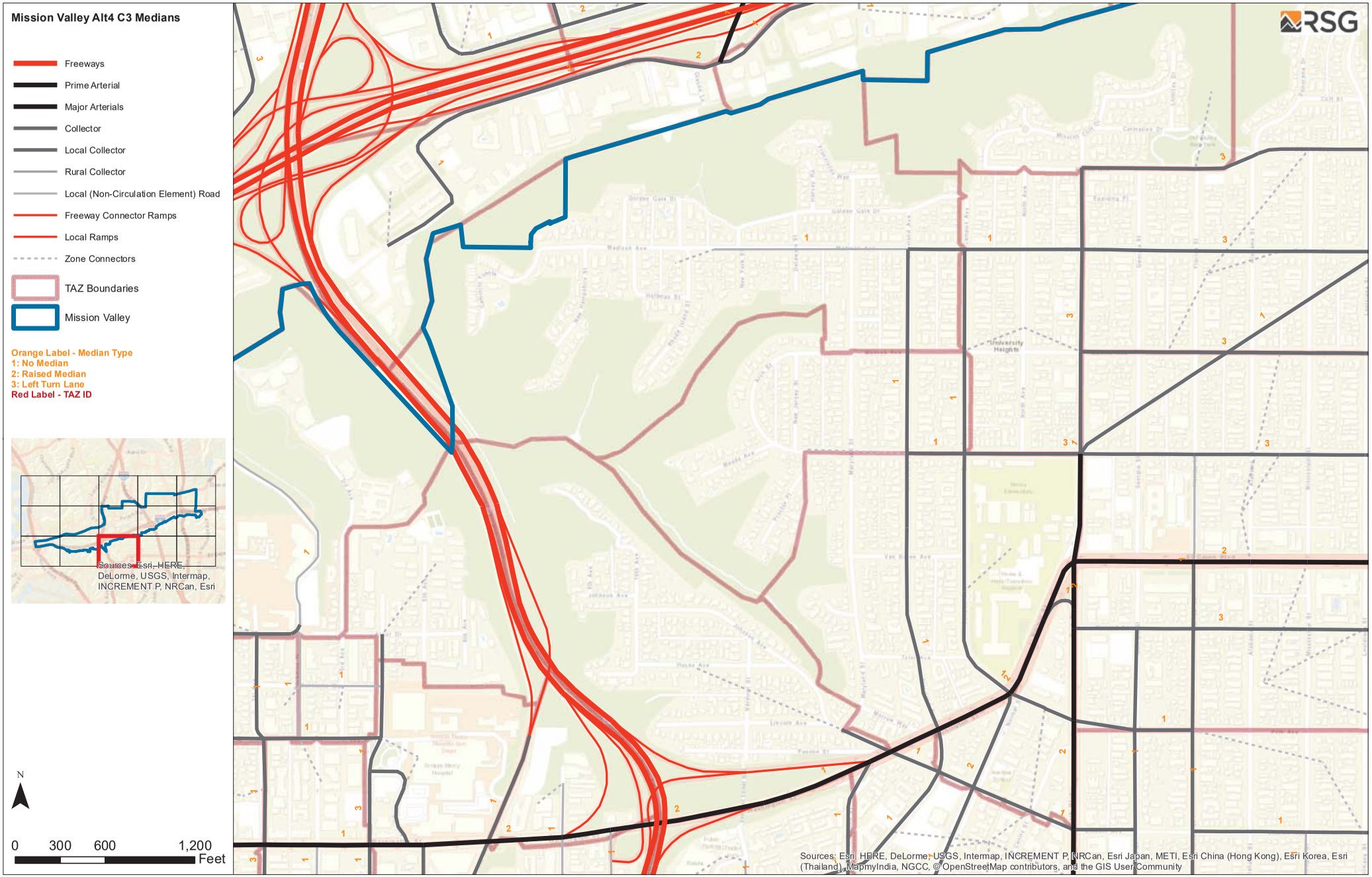


N

0 300 600 1,200 Feet

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

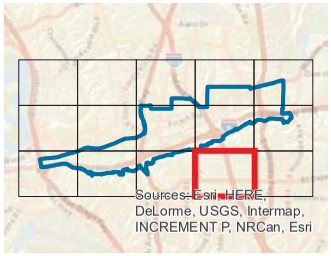

Mission Valley Alt4 C2 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C3 Medians
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 C4 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID



N

0 300 600 1,200 Feet

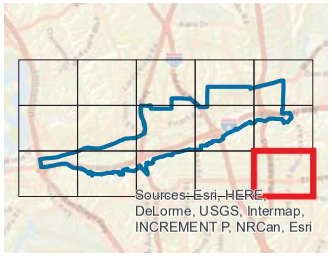
RSG

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 C5 Medians

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Median Type
1: No Median
2: Raised Median
3: Left Turn Lane
Red Label - TAZ ID

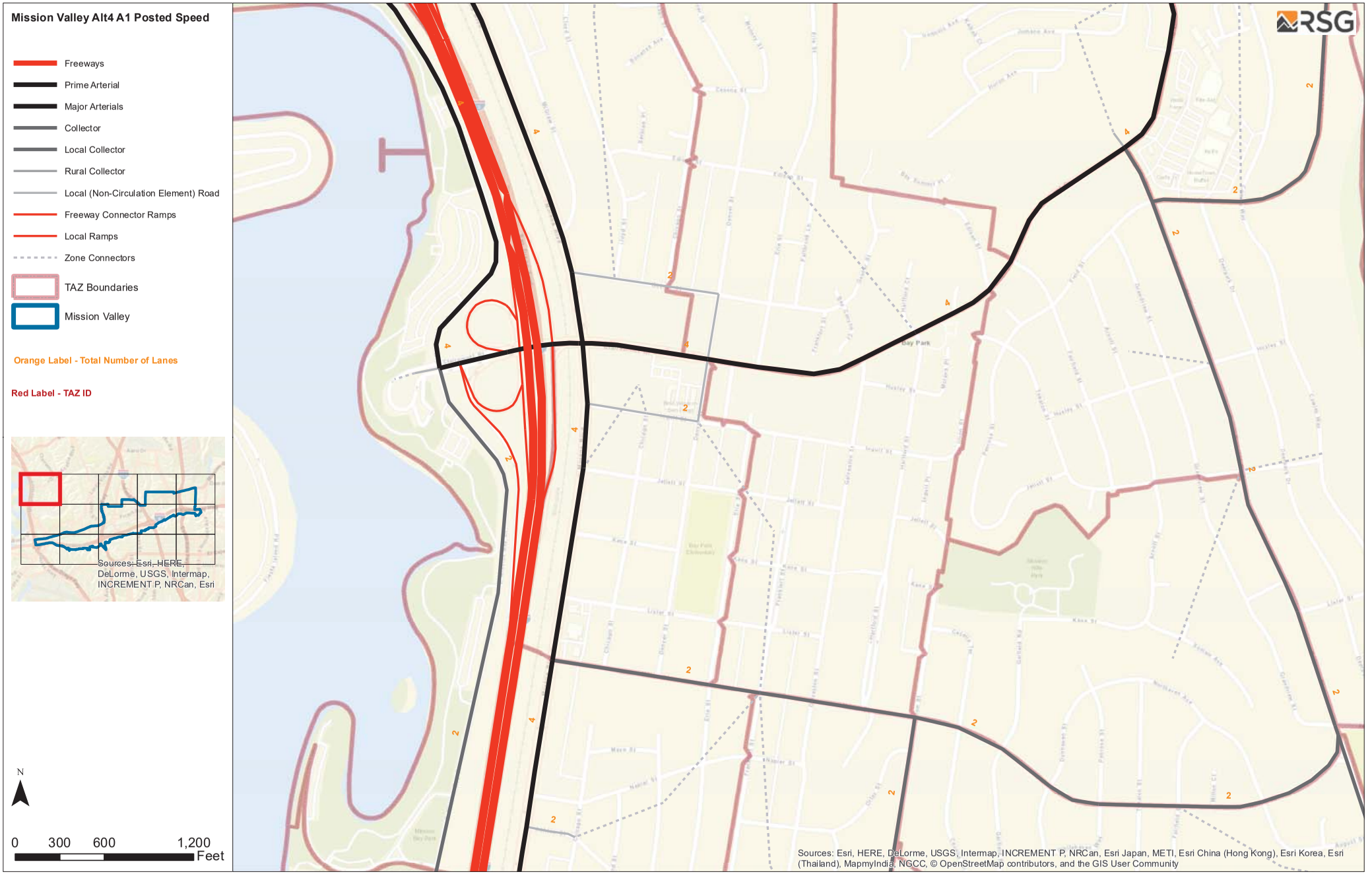


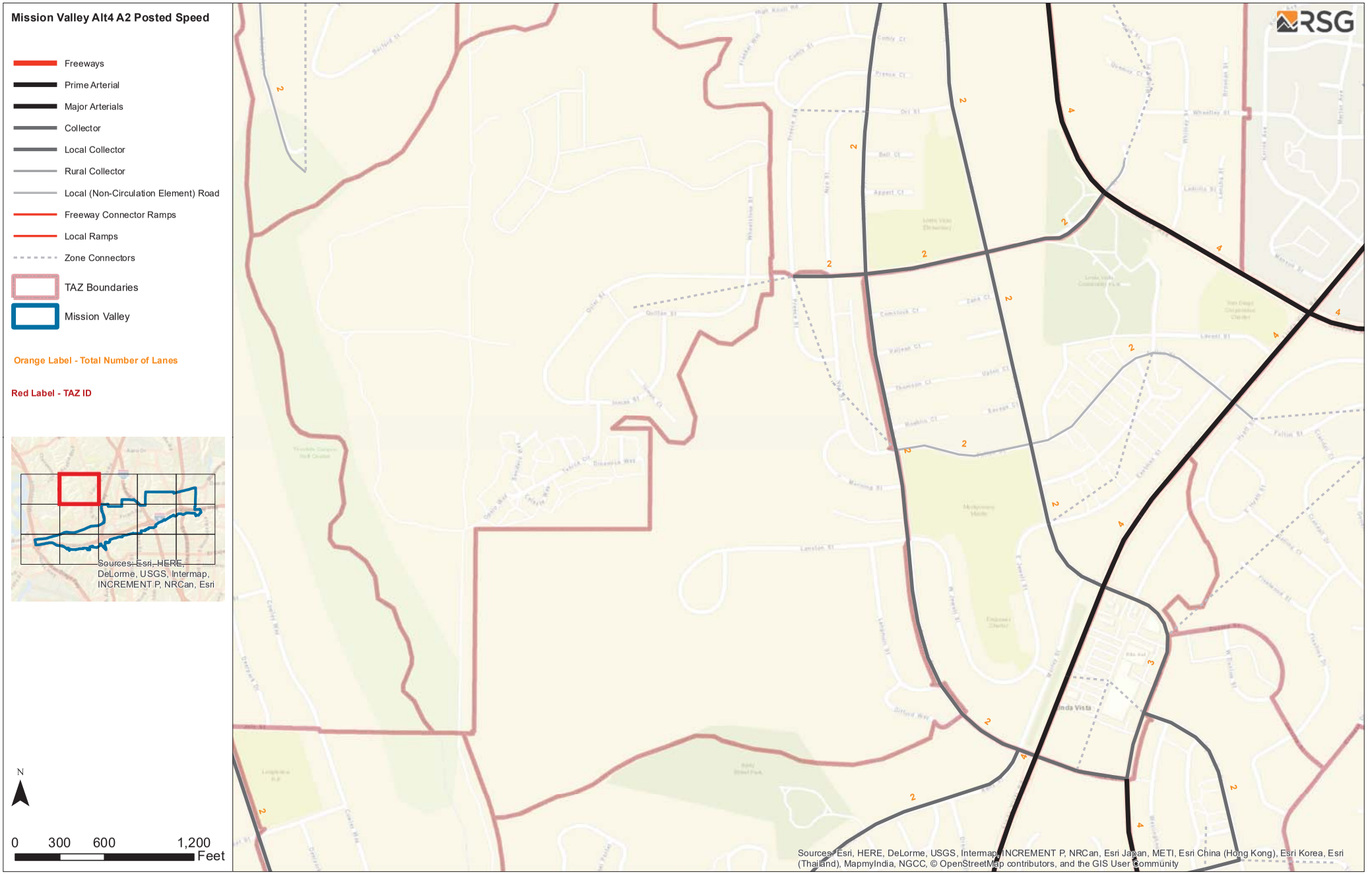
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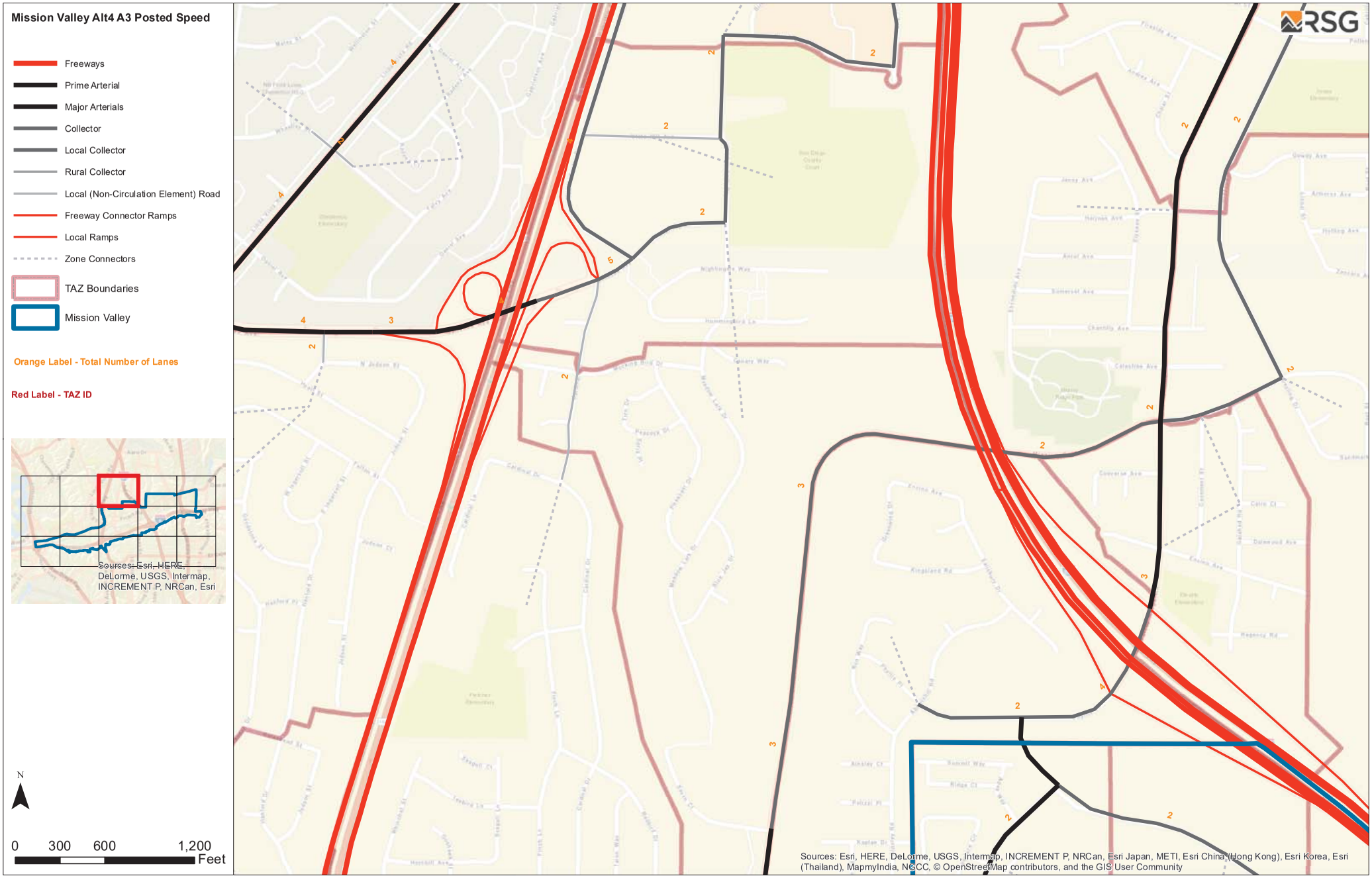
0 300 600 1,200 Feet

RSG

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Mapmyindia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 A1 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 A2 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

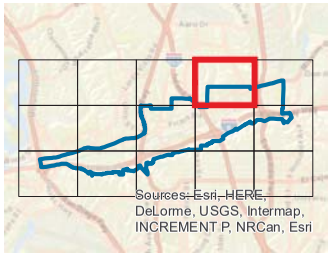

Mission Valley Alt4 A3 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 A4 Posted Speed

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

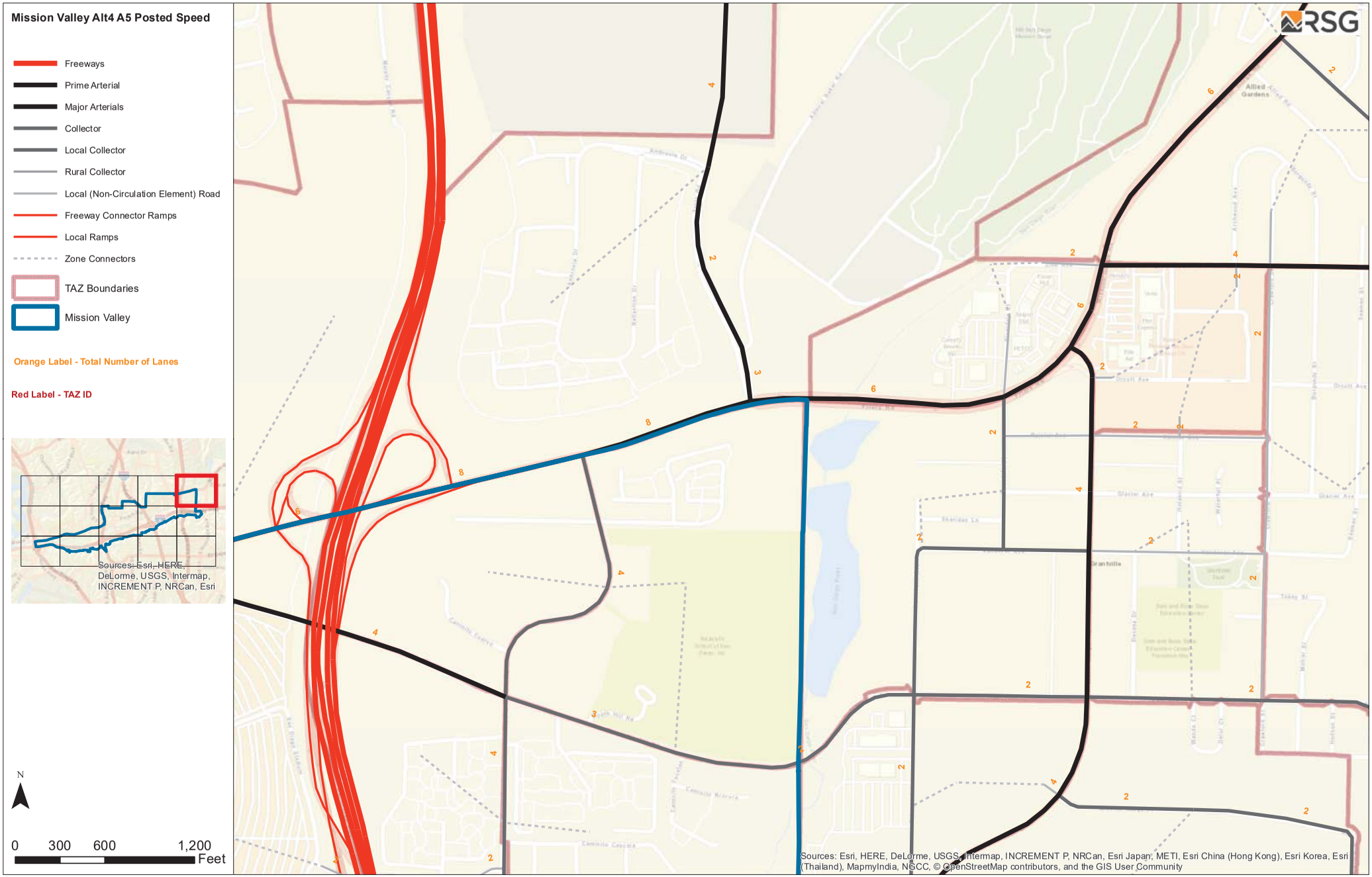
Red Label - TAZ ID

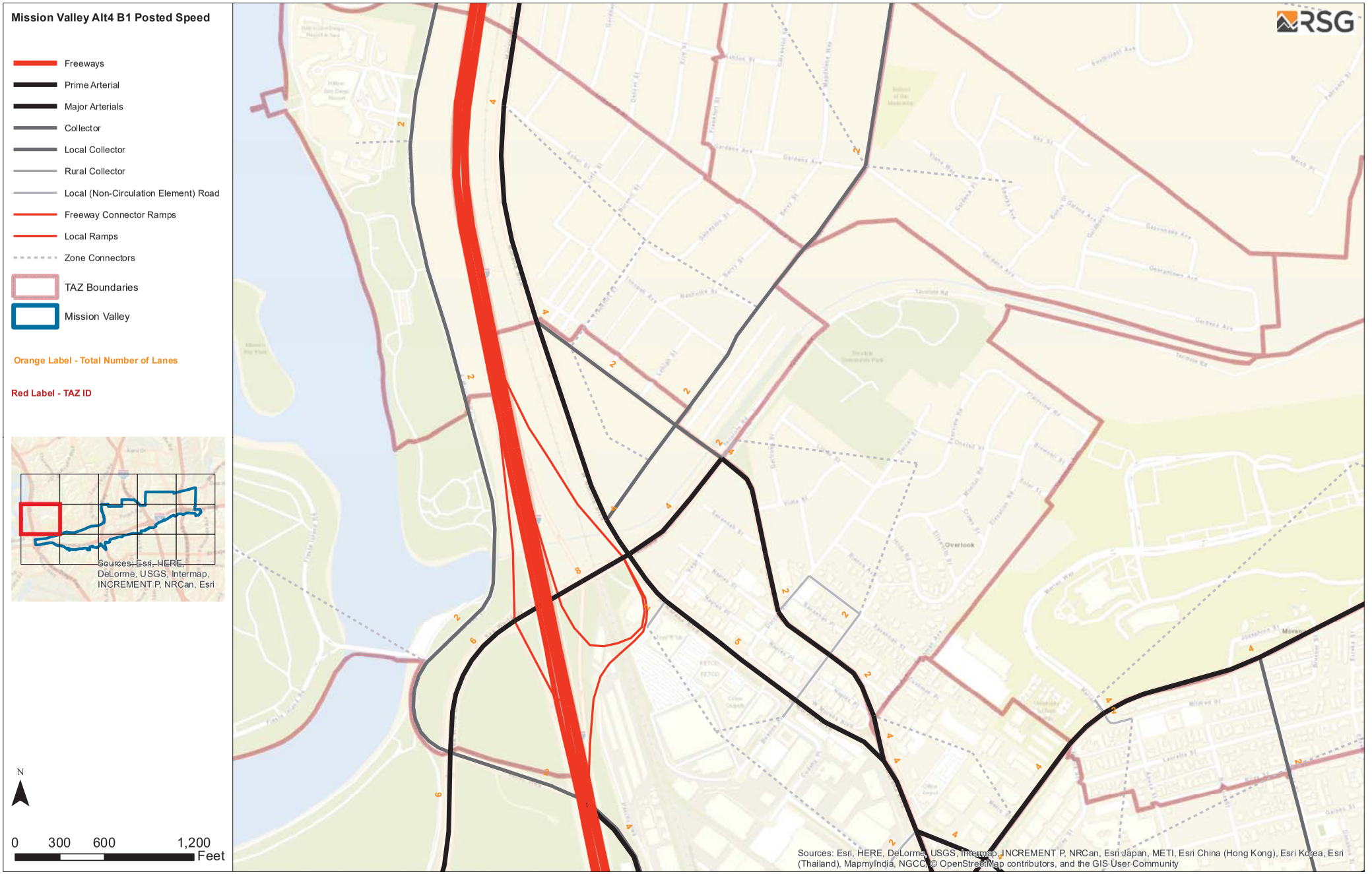


N

0 300 600 1,200 Feet

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 A5 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

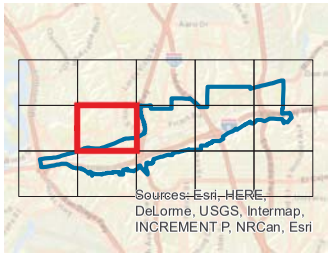

Mission Valley Alt4 B1 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Mission Valley Alt4 B2 Posted Speed

- Freeways
- Prime Arterial
- Major Arterials
- Collector
- Local Collector
- Rural Collector
- Local (Non-Circulation Element) Road
- Freeway Connector Ramps
- Local Ramps
- Zone Connectors
- TAZ Boundaries
- Mission Valley

Orange Label - Total Number of Lanes

Red Label - TAZ ID

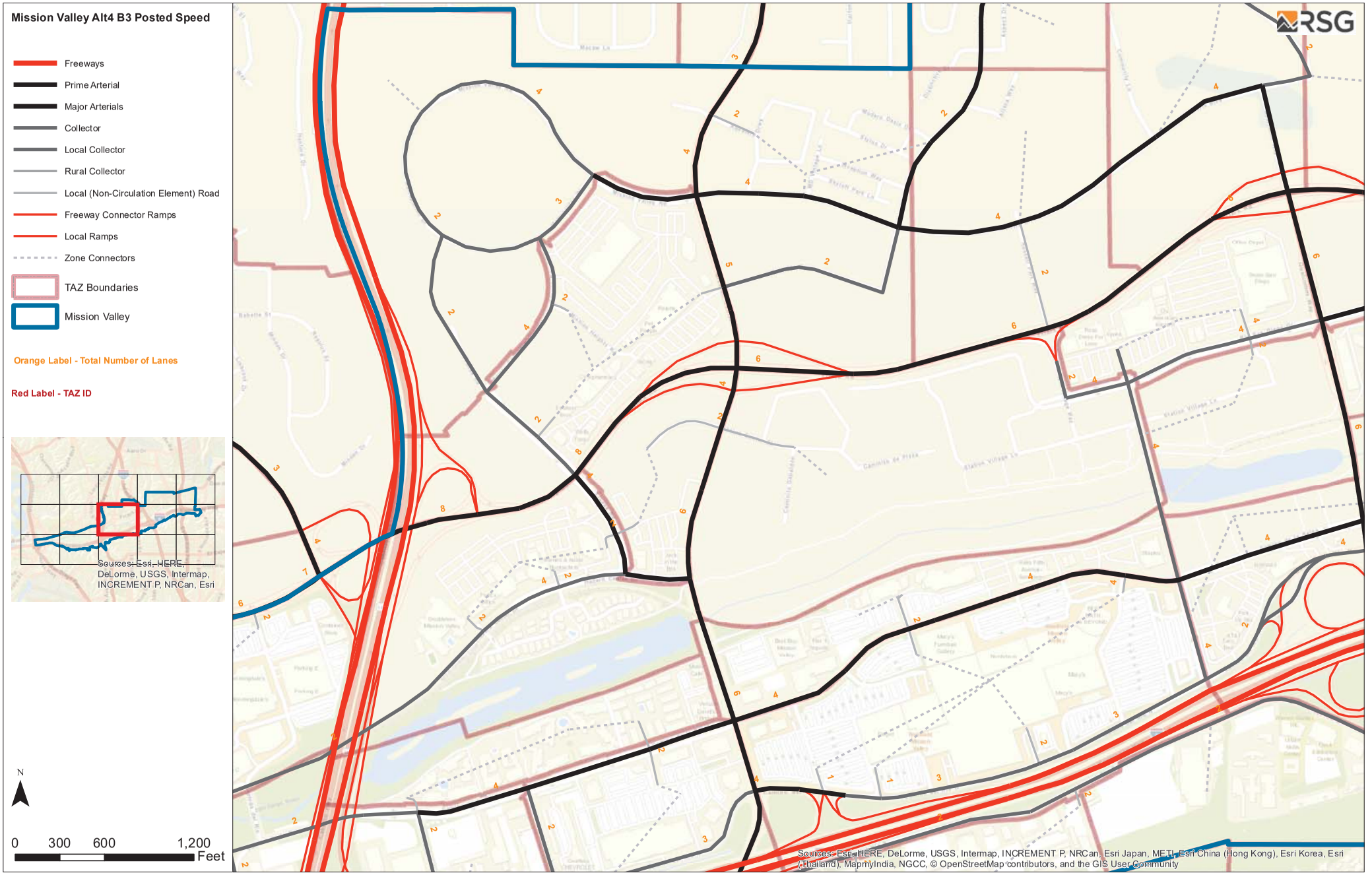


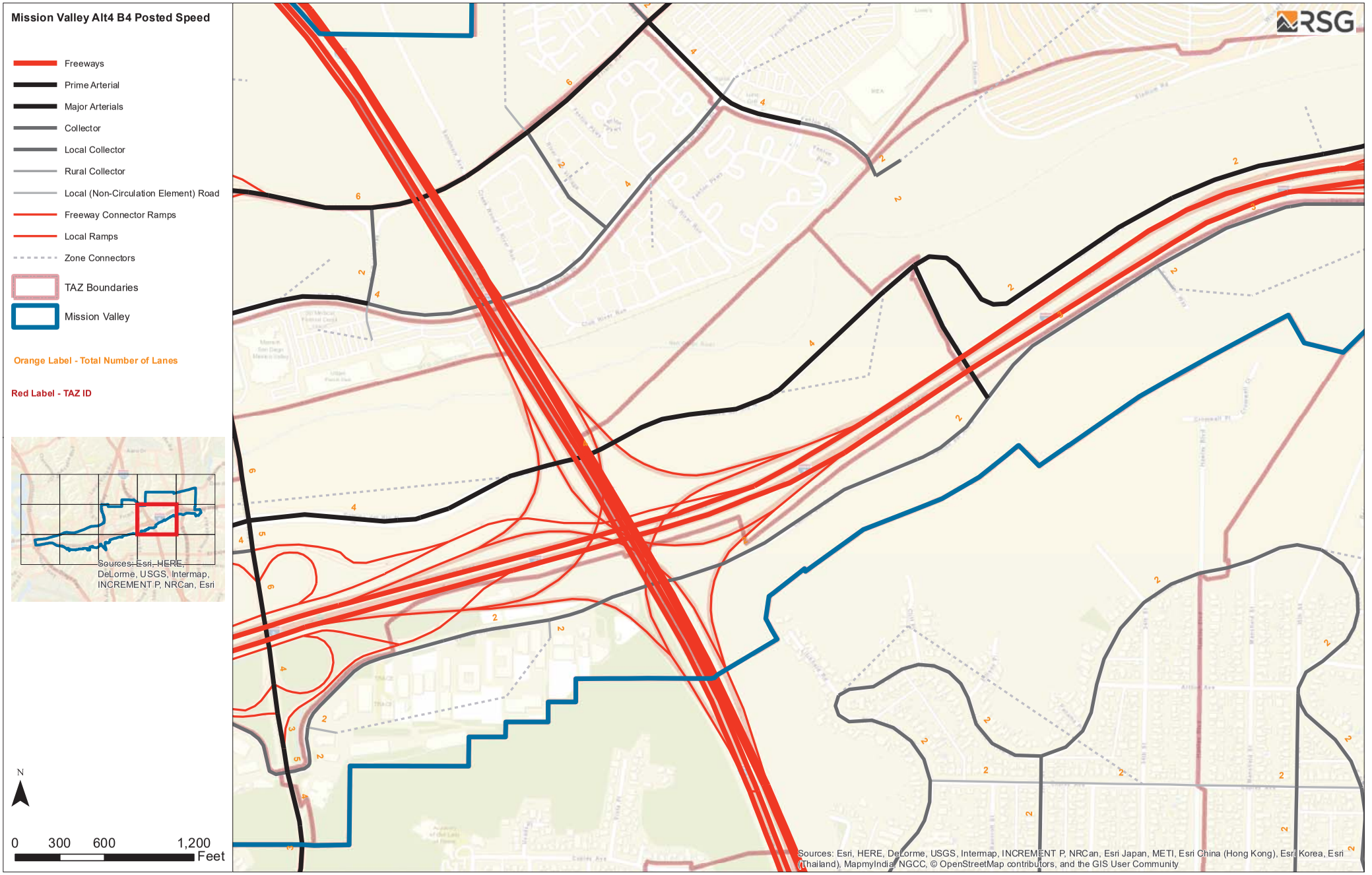
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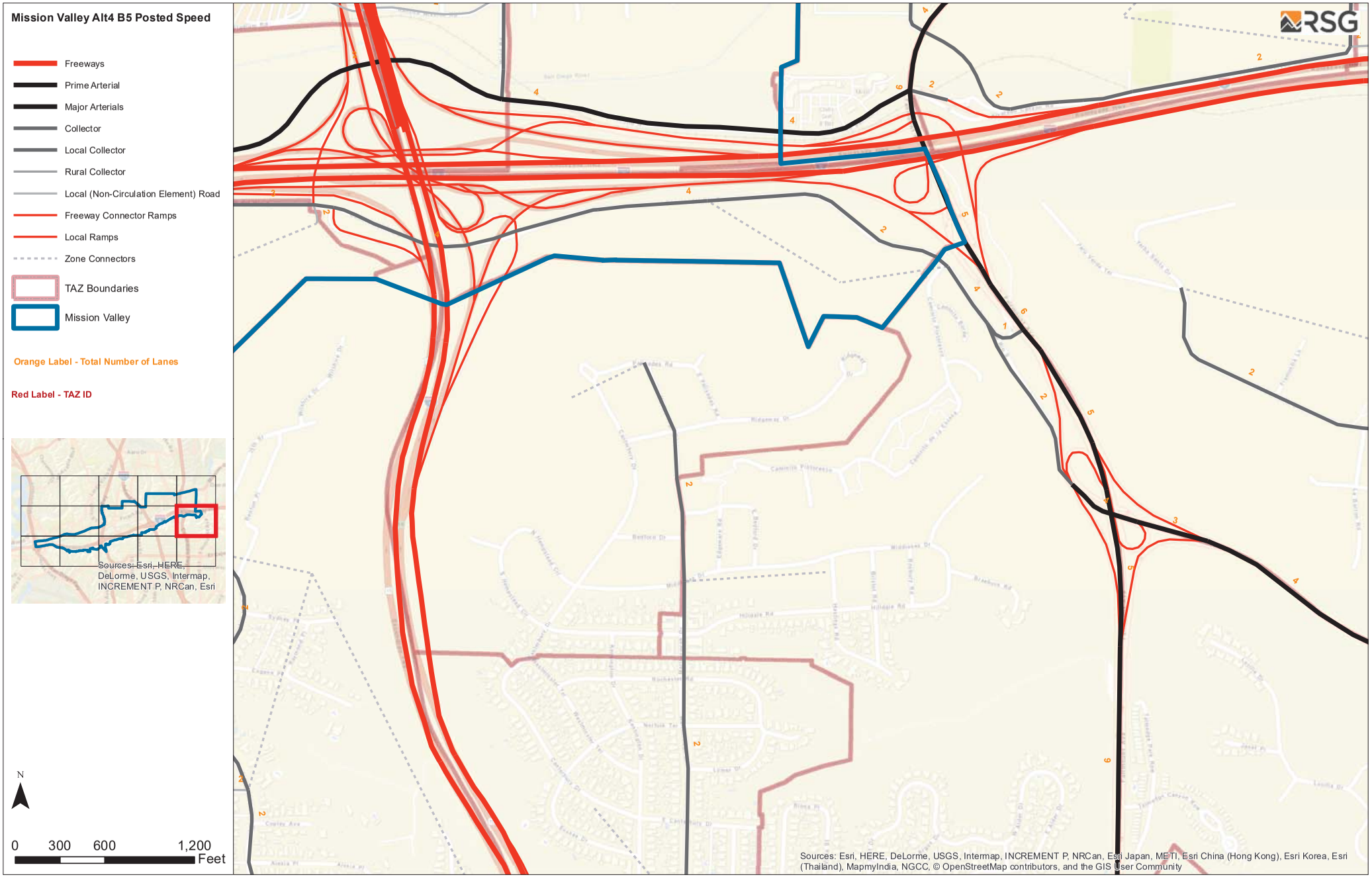
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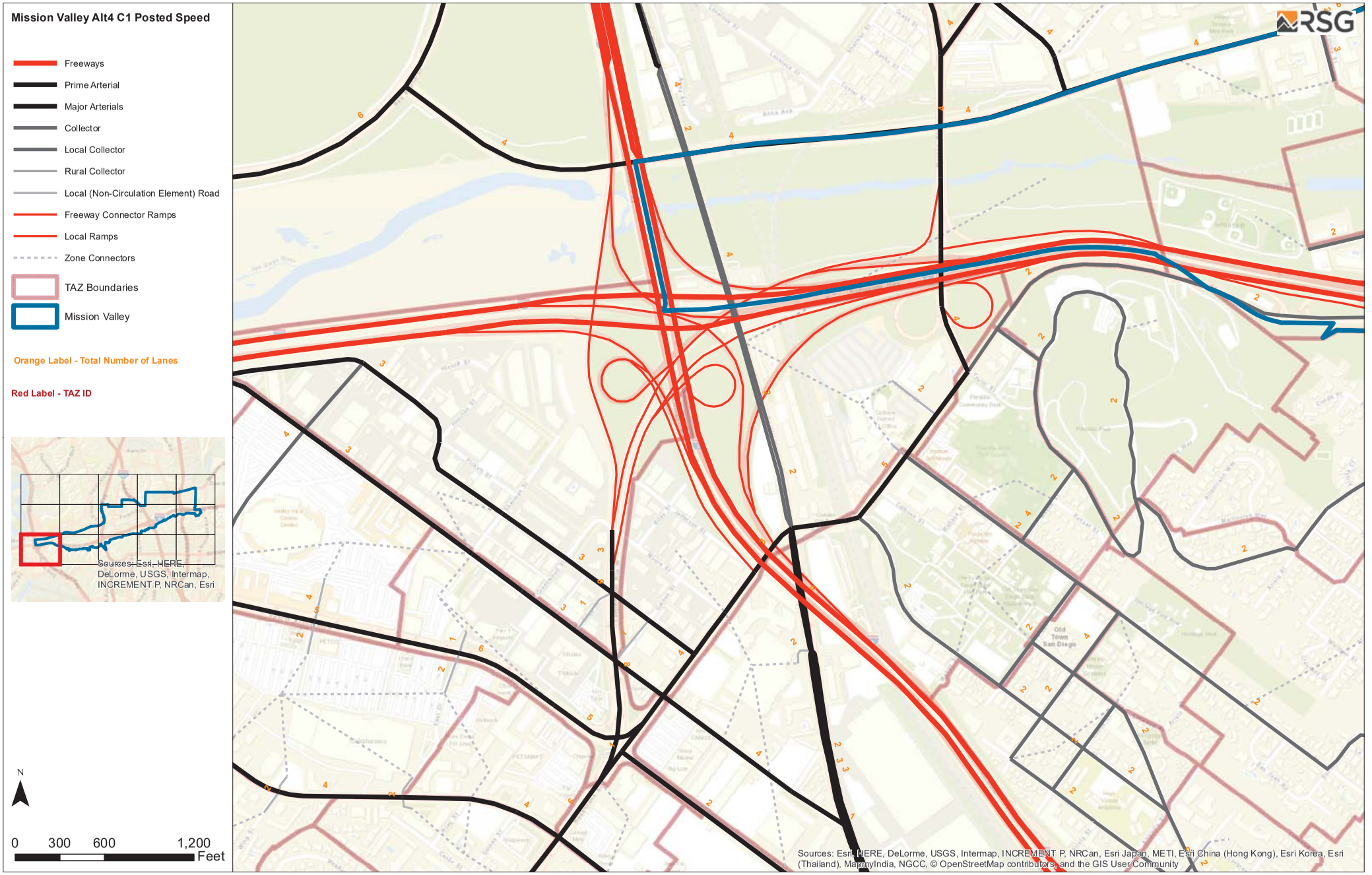
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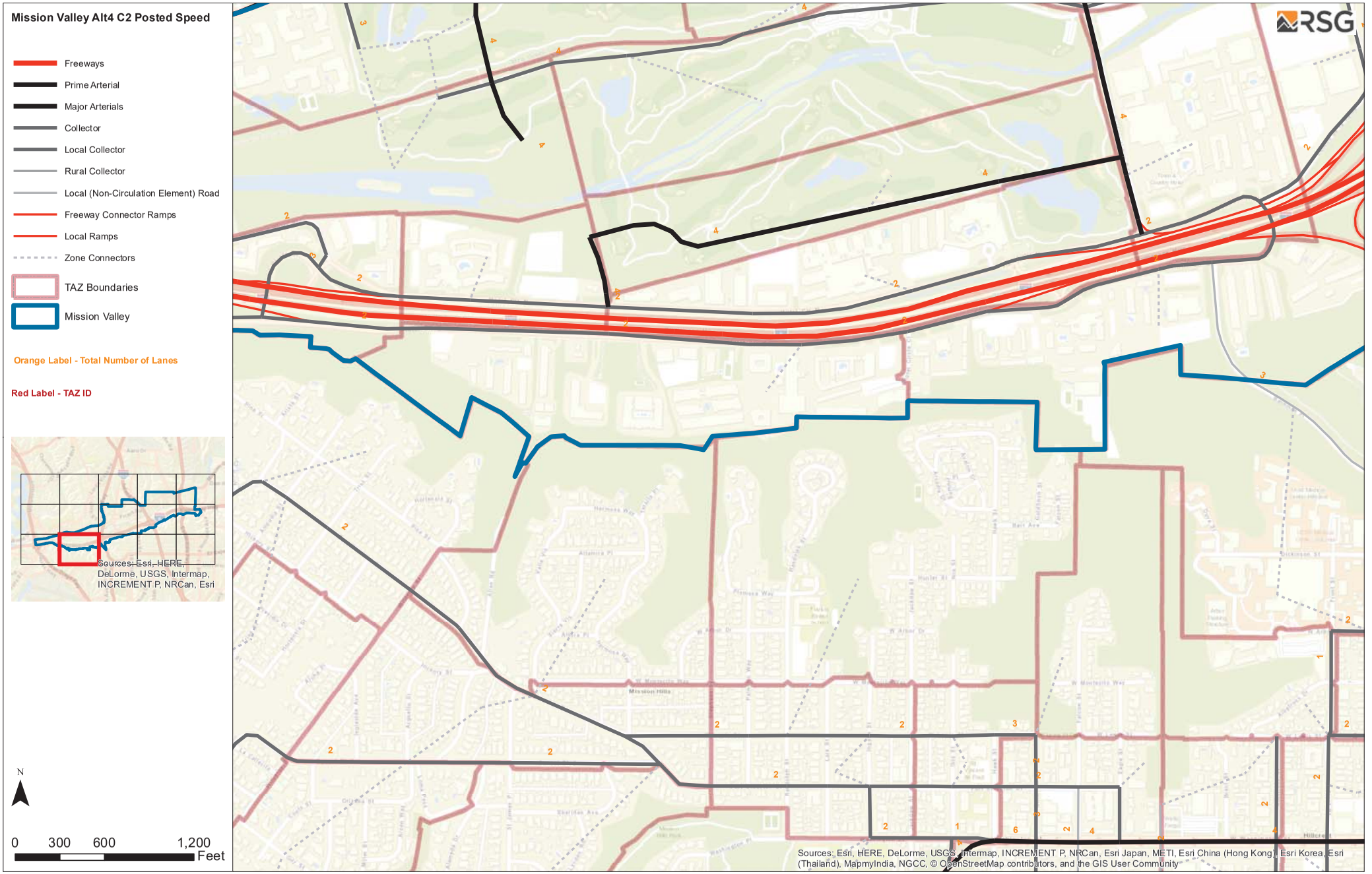
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

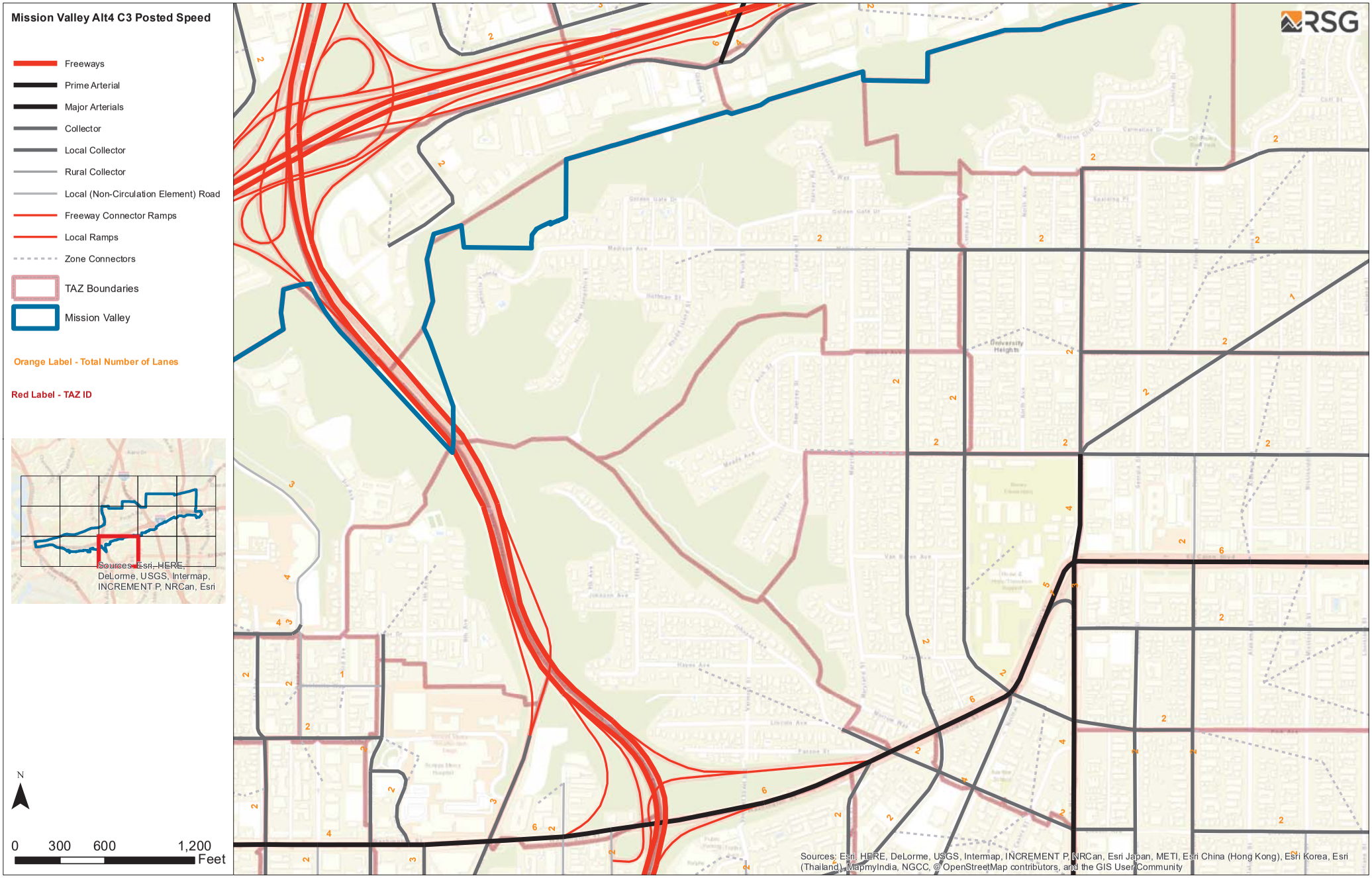

Mission Valley Alt4 B3 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

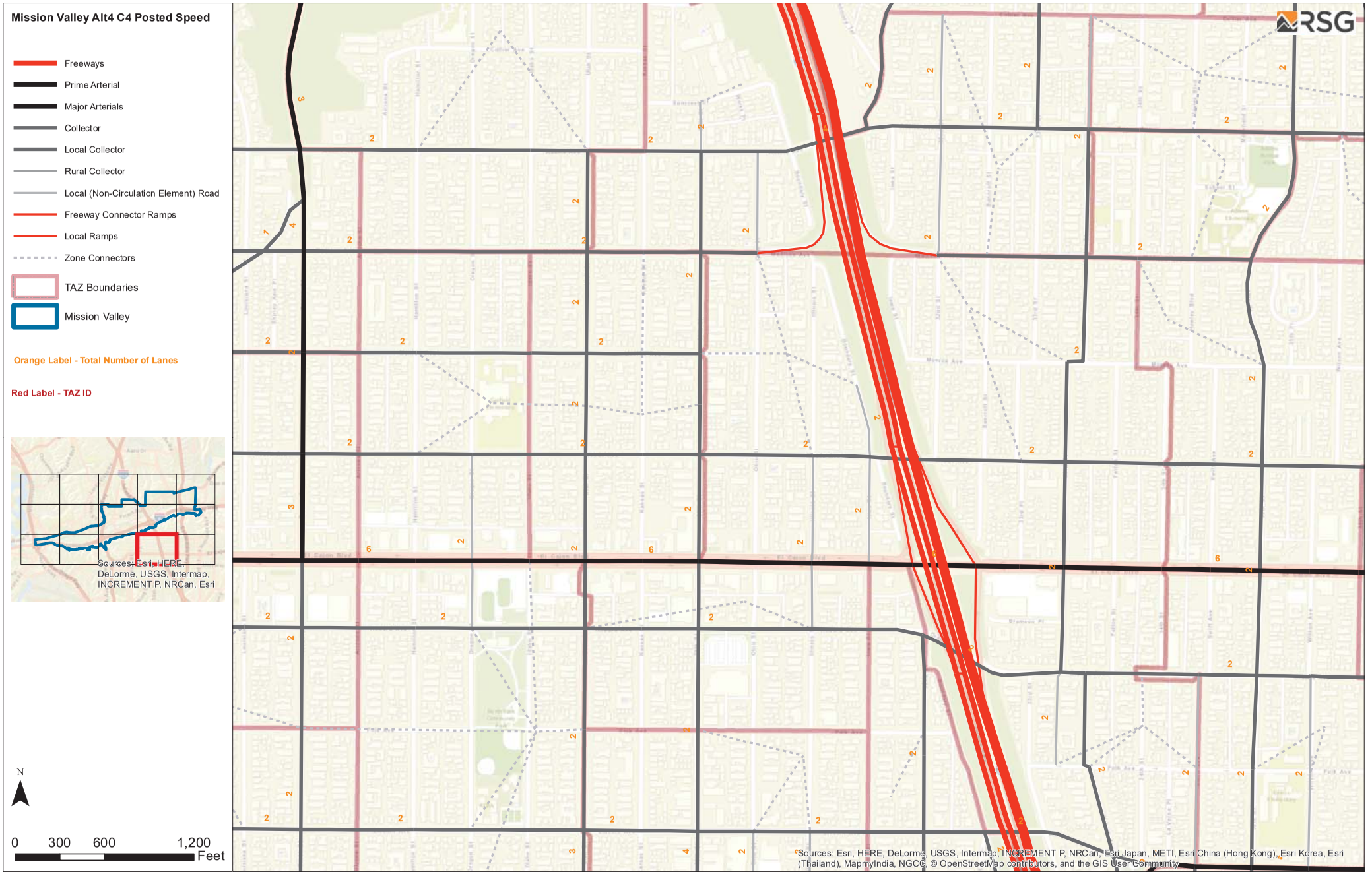

Mission Valley Alt4 B4 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

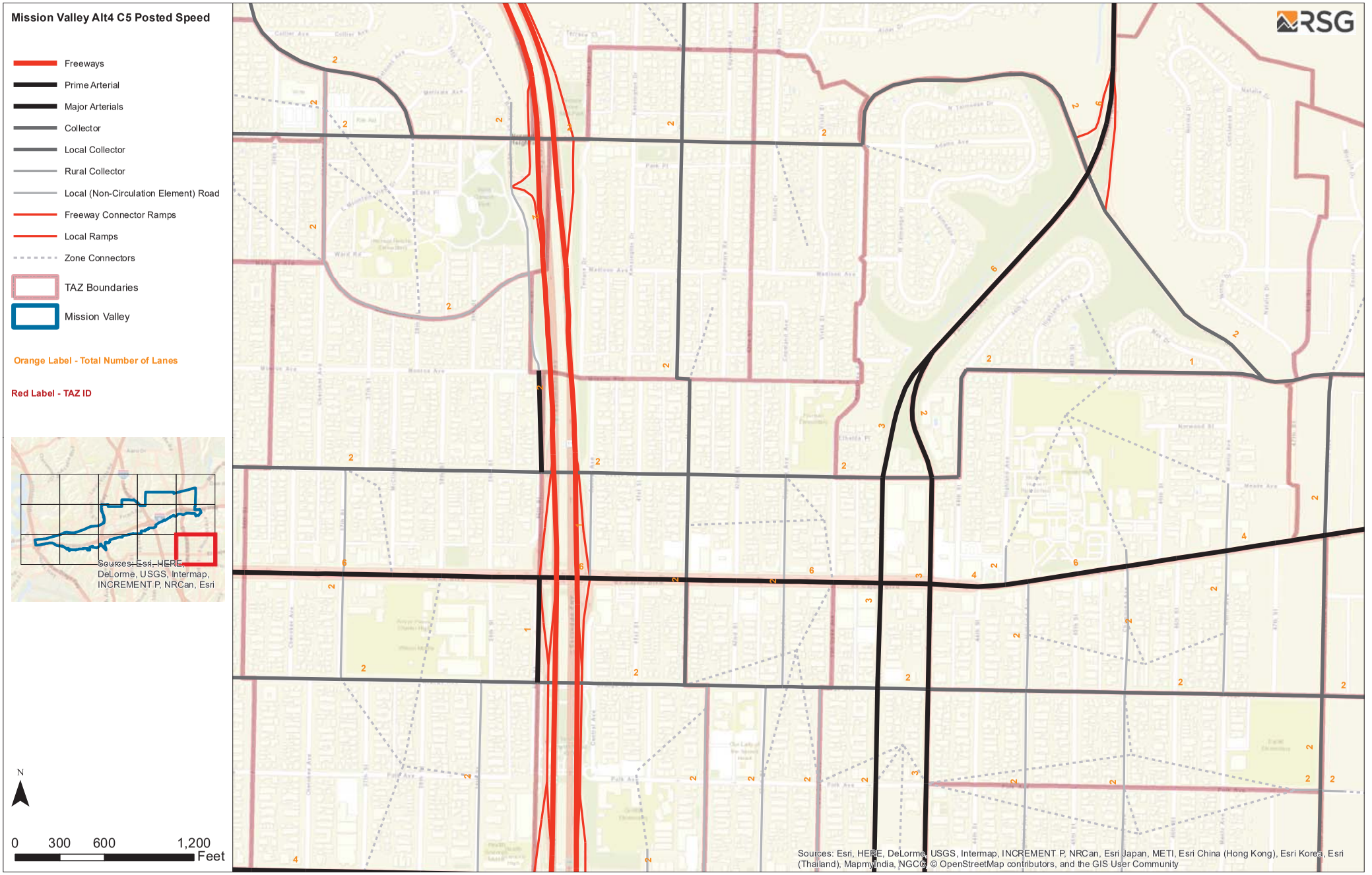

Mission Valley Alt4 B5 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C1 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C2 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C3 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C4 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community


Mission Valley Alt4 C5 Posted Speed
Freeways
Prime Arterial
Major Arterials
Collector
Local Collector
Rural Collector
Local (Non-Circulation Element) Road
Freeway Connector Ramps
Local Ramps
Zone Connectors
TAZ Boundaries
Mission Valley
Orange Label - Total Number of Lanes
Red Label - TAZ ID
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri
N
0 300 600 1,200
Feet
RSG
Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

Appendix G
Connectivity Assessment Paper

Assessment of Need for Missing Roadway Connections for the Mission Valley Community Plan Update

Issue: The Fenton Parkway connection over the San Diego River (to Camino del Rio North and Mission City Parkway), the Via Las Cumbres (VLC) roadway connection between Friars Road and Hotel Circle North and South, and the VLC interchange with I-8, are included in the adopted Mission Valley Community Plan and the Levi-Cushman Specific Plan. Analysis was conducted to determine whether these connections and interchange (modified version based on Caltrans Phase 2 Concept) should be recommended for inclusion in the Mission Valley Community Plan Update (MV CPU).

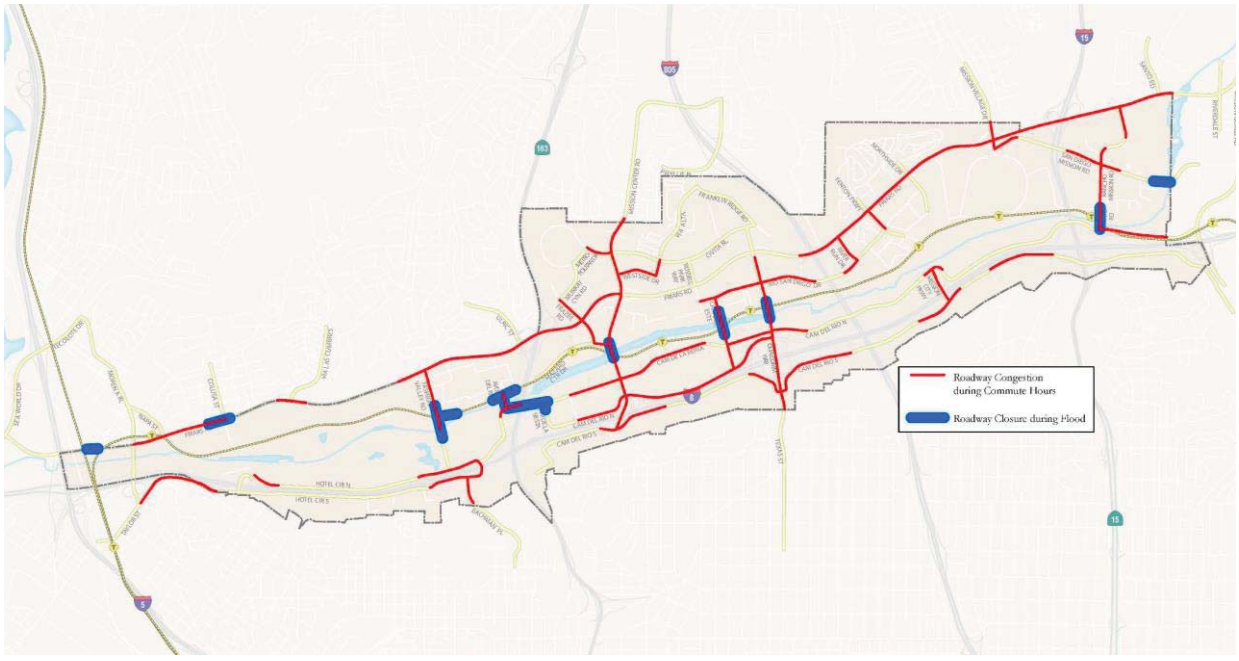
Conclusion: Based on the information below, staff recommends that the Via Las Cumbres roadway connection over the San Diego River and the VLC/I-8 interchange via Hotel Circle North/South (HCN/S) one-way couplet (per Caltrans Phase 2 Draft Concept), and the Fenton Parkway connection across the San Diego River, be included in the MV CPU to support the draft Plan's growth in Mission Valley.

Context: Steep slopes, the San Diego River, five freeways, and the San Diego Trolley form barriers to connectivity within as well as to and from Mission Valley. This has resulted in a planned street network that consists of fewer and wider streets and intersections to accommodate the movement of people and goods, and less distributed/more concentrated traffic flows, making many of these streets and intersections barriers in and of themselves, especially for transit users, cyclists and pedestrians.

Analysis:

Flooding

During recurring flooding events in Mission Valley every street crossing the San Diego River (seven) and some roadways adjacent to the River (three) become impassable.



The only ways to travel across the San Diego River in Mission Valley during these events are via SR 163 and I-15. Since pedestrians and cyclists cannot use the freeway, they are unable to cross the river during flooding events.

Following are the surface streets that close due to flooding:

- Fashion Valley Road across river
- Riverwalk Drive (behind Fashion Valley Mall) adjacent to river
- Avenida del Rio across river
- Camino de la Reina from just west of Avenida del Rio to just east of Camino de la Siesta
- Mission Center Road across river
- Camino del Este across river
- Qualcomm Way across river
- Ward Road across river
- San Diego Mission Road across river
- Friars Road from west of Colusa to just east of Colusa Street

Following are transit services that are rerouted and impacted/delayed due to flooding:

- Significant flooding at Fashion Valley Road and Fashion Valley Transit Center has required transit operations to relocate to the Mission Valley Center Transit Station affecting all transit routes that utilize the Fashion Valley Transit Center. Flooding-related closures of the Fashion Valley Transit Center impact Routes 1, 6, 20, 25, 41, 88, 120, and 928, and may also require Sycuan Green Line service to bypass the station.
    - Route 6 normally uses Avenida Del Rio and the Fashion Valley Transit Center.
    - Routes 1, 88, and 120 normally use Fashion Valley Road to access the Fashion Valley Transit Center.
    - Route 14 normally uses Ward Road to access the Mission San Diego and Grantville Trolley Stations.

- Transit services not rerouted but impacted/delayed due to flooding:
    - Transit routes that are not rerouted during a flooding event are affected by increased traffic and congestion along their routes caused by the other rerouted vehicular traffic.

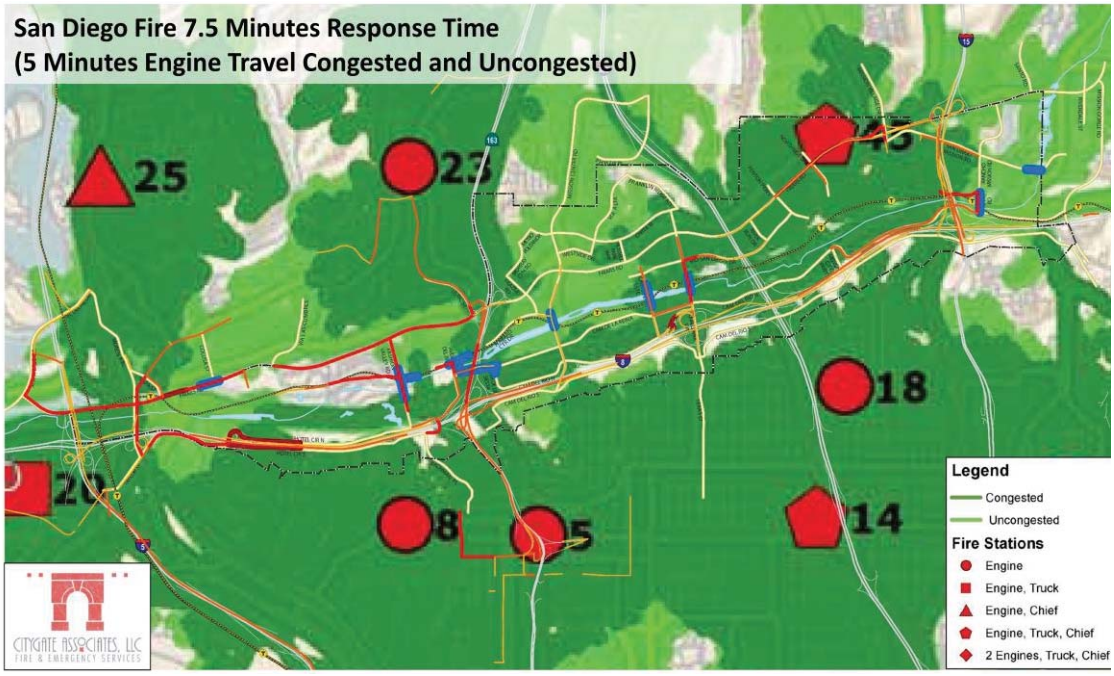
Emergency response concerns during flooding

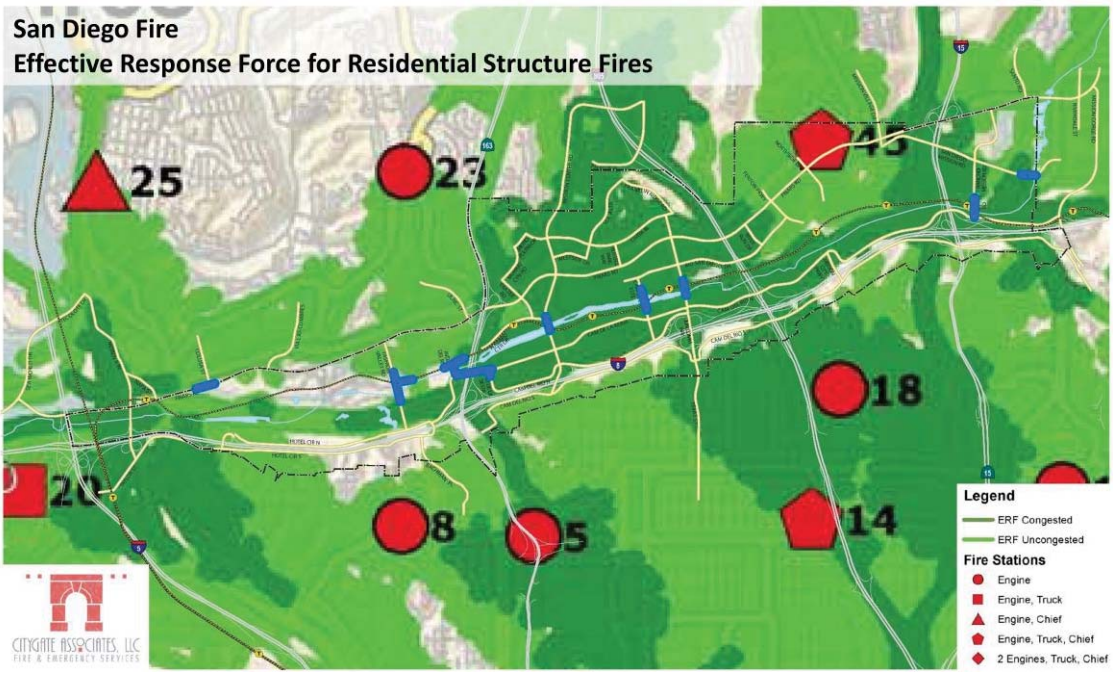
- Emergency response during flooding events (for both flood-related emergencies/rescues and non-flood-related emergencies) is significantly hampered by a lack of north-south connectivity in the community.
- See below for general Public Safety and Emergency Response considerations, which are more critical during flooding events, due to the extensive street closures that occur.

<u>Public Safety and Emergency Response considerations</u>

- Citygate Report (2017) does not specifically call out any gaps in Mission Valley in their 2017 analysis however, the Map Atlas shows gaps in coverage within Mission Valley, specifically in:
    - Map 3b 5 Minute Engine Travel Congested and Uncongested (Pg. 17) – There is an apparent gap around the Riverwalk Golf Course (See map inserted below.);
    - Map 4b ISO 1.5 Mile Travel Distance – There are gaps at the Riverwalk Golf Course and central Mission Valley around Mission Center Road (See map inserted below.); and
    - Several other maps show some gap in coverage in the Riverwalk Golf Course.
- Connections would provide improved police, fire-rescue, lifeguard/swift-water rescue, and ambulance emergency response times.
- Connections would provide improved emergency transport times to hospitals.
- Connections would reduce the risk that an area of the community will become inaccessible if all or a part of a roadway is blocked.
- Connections would allow fire stations to serve a greater area; especially important when multiple stations are responding to incidents and/or covering for stations that are busy.

- Connections would provide multiple approach route options for emergency response and alternate routes for diverting traffic during emergencies that close road(s); important because there are often multiple responders to an incident who need to gain access from different directions to the area and stage.
- Connections would improve access to UCSD Medical Center.





Additional notes on public safety – emergency/disaster planning, response and recovery:

- The most frequently recurring hazard is flooding which has repeatedly closed every surface street that crosses the San Diego River in Mission Valley.

- Much of Mission Valley is in the very high fire hazard severity zone and is identified as a High Potential area for liquefaction in the Seismic Safety Study. (Links: VHFHSZ, Seismic Safety Study)
- Potential for multiple co-occurring incidents is greater, such as freeway/transportation incident on limited number of facilities during evacuation and/or disaster response.
- Climate change adaptation and resilience considerations.

Vehicular Traffic Capacity and Operations

- Connections provide more direct travel between destinations.
- Connections decrease travel distance/out-of-direction travel.
- Connections distribute traffic and reduce volumes on streets and at intersections.
- Connections provide safety benefits of reduced conflicts at intersections.
- Connections provide more route options/redundancy/resiliency during incidents, construction and maintenance activity.
- Connections better connect adjacent communities – Linda Vista, Old Town, and Uptown to MV and each other.

Via Las Cumbres connection over San Diego River and Interchange with I-8 via Hotel Circle North and South one-way reconfiguration in Mission Valley

Projected Via Las Cumbres Average Daily Traffic (ADT) Volumes:

- 19,400 ADT over San Diego River;
- 23,200 ADT from Street B to HCN; and
- 30,300 ADT between Hotel Circle North and South.

Forecast Diverted Traffic Volumes without VLC & I-8/HCN/S Interchange			
Freeway or Roadway Segment	VLC IN Unadjusted ADT	VLC OUT Unadjusted ADT	Delta ADT
SR 163 Southbound	71,700	75,000	3,300
Friars Road west of SR 163	50,300	52,300	2,000
Friars Road east of Napa	18,900	23,700	4,800
Fashion Valley Road	7,800	11,600	3,800
FV Mall Dwy behind Mall	14,600	19,000	4,400
Avenida Del Rio	16,900	20,600	3,700
Camino de la Reina	13,500	15,600	2,100
Hotel Circle North	15,700	23,700	8,000
Hotel Circle South	16,400	23,300	6,900
Mission Center Road	38,000	38,700	700
First Avenue	12,200	15,000	2,800
Washington Street	44,700	46,700	2,000
Linda Vista Road	20,900	24,800	3,900
Morena Boulevard	28,400	32,700	4,300
Napa Street	12,200	13,500	1,300
Ulric Street	33,600	36,000	2,400

Fenton Parkway Connection over San Diego River to Mission City Parkway/Camino del Rio North

Projected Fenton Parkway Average Daily Traffic (ADT) Volumes:

- 13,800 ADT over San Diego River

Forecast Diverted Traffic Volumes without Fenton Parkway over SD River			
Freeway or Roadway Segment	FP IN Unadjusted ADT	FP OUT Unadjusted ADT	Delta ADT
I-15 SB	122,700	123,900	1,200
I-15 NB	134,000	135,500	1,500
Ramp from Friars Rd to I-8 WB	66,600	67,200	600
I-8 WB	131,900	132,600	700
I-8 EB	129,200	130,200	1,000
Friars Road east of Northside Dr.	51,700	55,800	4,100
Friars Road at SR 15 Interchange	83,300	86,400	3,200
Mission Village Drive at Stadium	47,000	48,900	1,900
Ward Road	17,600	20,400	2,800
Rio San Diego Drive	19,700	23,100	3,400
Camino del Rio North	9,700	11,800	2,100
Camino del Este	13,100	14,500	1,500
Qualcomm Way	30,600	33,700	3,100
Mission Center Road	24,300	25,100	700

Active Transportation, Transit

- Connections provide for a higher quality environment for pedestrians and cyclists.
- Connections allow pedestrians and cyclists to cross the river during a flooding event.
- Connections reduce traffic congestion on transit routes which improves the reliability of bus services in Mission Valley and other areas.
- Connections provide additional options for transit connectivity and improved bus routing.
- Connections improve access to one existing and two planned trolley stations for pedestrians, cyclists, shuttles, buses, and vehicles.

Appendix H
Signal Warrant Worksheets
Four Lane Via Las Cumbres Alternative

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Mission Center Road	# of Lanes:	2 or more
Minor St:	Civita Boulevard	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	20200	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	8200		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 210% A / 140% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Friars Road	# of Lanes:	2 or more
Minor St:	Via Las Cumbres	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	24600	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	7050		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 256% A / 171% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Avenida Del Rio	# of Lanes:	1
Minor St:	Camino De La Reina	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	18100	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	8500		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 226% A / 151% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Camino Del Rio North	# of Lanes:	2 or more
Minor St:	Mission City Parkway	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)** / **URBAN (U)**

Major St ADT (Total):	15500	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	6900		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 161% A / 108% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Phyllis Place	# of Lanes:	2 or more
Minor St:	Franklin Ridge Road	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)** / **URBAN (U)**

Major St ADT (Total):	32300	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	15750		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 336% (A) 224% (B)		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Franlin Ridge Road	# of Lanes:	2 or more
Minor St:	Via Alta	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	31500	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	5350		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 223% (A) 219% (B)		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Qualcomm Way	# of Lanes:	2 or more
Minor St:	Civita Boulevard	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)** / **URBAN (U)**

Major St ADT (Total):	26200	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	5500		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 172% A / 182% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Franklin Ridge Road	# of Lanes:	1
Minor St:	Civita Boulevard	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	17100	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	11000		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 214% A / 143% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Fenton Parkway	# of Lanes:	2 or more
Minor St:	New Street "I"	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	13800	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	5900		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied Not Satisfied X		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 144% A / 96% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Via Las Cumbres	# of Lanes:	2 or more
Minor St:	Riverwalk Drive	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	19400	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	1500		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume

Satisfied — Not Satisfied — X

Number of lanes for moving traffic on each approach

Major Street	Minor Street	Vehichles Per Day on Major Street (Total of Both Approaches) Urban	Vehichles Per Day on Major Street (Total of Both Approaches) Rural	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only) Urban	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only) Rural
1	1	8000	5,600	2,400	1,680
2 or more	1	9,600	6,720	2,400	1,680
2 or more	2 or more	9,600	6,720	3,200	2,240
1	2 or more	8,000	5,600	3,200	2,240

CONDITION B - Interruption of Continuous Traffc

Staisfied — X — Not Satisfied

Number of lanes for moving traffic on each approach

Major Street	Minor Street	Vehichles Per Day on Major Street (Total of Both Approaches) Urban	Vehichles Per Day on Major Street (Total of Both Approaches) Rural	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only) Urban	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only) Rural
1	1	12,000	8,400	1,200	850
2 or more	1	14,400	10,080	1,200	850
2 or more	2 or more	14,400	10,080	1,600	1,120
1	2 or more	12,000	8,400	1,600	1,120

Combination of CONDITIONS A+B

Satisfied — Not Satisfied — X

2 CONDITIONS 80% (Urban) — 2 CONDITIONS 80% (Rural)

No one condition satisfied, but following conditions fulfilled 80% or More

	63%	125%
	A	B

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Fashion Valley Road	# of Lanes:	2 or more
Minor St:	Riverwalk Drive	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	17700	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	7050		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 184% A / 123% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Avenida Del Rio	# of Lanes:	2 or more
Minor St:	Riverwalk Drive	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	18100	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	7050		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 189% A, 126% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Via Las Cumbres	# of Lanes:	2 or more
Minor St:	Levi Cushman Street "B"	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)** / **URBAN (U)**

Major St ADT (Total):	23200	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	6650		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 208% A / 161% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Fashion Valley Road	# of Lanes:	2 or more
Minor St:	Levi Cushman Street "B"	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)** / **URBAN (U)**

Major St ADT (Total):	22400	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	6650		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 208% (A) 156% (B)		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Via Las Cumbres	# of Lanes:	2 or more
Minor St:	Hotel Circle North	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)** / **URBAN (U)**

Major St ADT (Total):	30300	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	11950		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 316% A / 210% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Via Las Cumbres	# of Lanes:	2 or more
Minor St:	Hotel Circle South	# of Lanes:	2 or more

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)** / **URBAN (U)**

Major St ADT (Total):	30300	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	15000		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 316% A / 210% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Hotel Circle South	# of Lanes:	2 or more
Minor St:	Camino De La Reina	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	14300	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	4400		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied Not Satisfied X		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 149% A / 99% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Figure 4C-103 (CA). Traffic Signal Warrants Worksheet
(Average Traffic Estimate Form)

		COUNT DATE	Future Year 2050
Major St:	Frazee Road	# of Lanes:	2 or more
Minor St:	Murray Canyon Road	# of Lanes:	1

Speed limit or critical speed on major street traffic > 64 km/h (40 mph) .....

In built up area of isolated community of < 10,000 population.....

or } **RURAL (R)**

URBAN (U)

Major St ADT (Total):	20300	Roadway Type:	Urban
Minor Street ADT (Highest Direction):	2700		

(Based on Estimated Average Daily Traffic - See Note)

CONDITION A - Minimum Vehicular Volume	Minimum Requirements EADT	
Satisfied X Not Satisfied	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	8000 / 5,600	2,400 / 1,680
2 or more / 1	9,600 / 6,720	2,400 / 1,680
2 or more / 2 or more	9,600 / 6,720	3,200 / 2,240
1 / 2 or more	8,000 / 5,600	3,200 / 2,240
CONDITION B - Interruption of Continuous Traffc	Vehichles Per Day on Major Street (Total of Both Approaches)	Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)
Staisfied X Not Satisfied		
Number of lanes for moving traffic on each approach		
Major Street / Minor Street	Urban / Rural	Urban / Rural
1 / 1	12,000 / 8,400	1,200 / 850
2 or more / 1	14,400 / 10,080	1,200 / 850
2 or more / 2 or more	14,400 / 10,080	1,600 / 1,120
1 / 2 or more	12,000 / 8,400	1,600 / 1,120
Combination of CONDITIONS A+B		
Satisfied X Not Satisfied	2 CONDITIONS 80%	2 CONDITIONS 80%
No one condition satisfied, but following conditions fulfilled 80% or More — 113% A / 141% B		

Note: To be used only for NEW INTERSECTIONS or other locations wehre it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.

Appendix I
Peak Hour Intersection Worksheets
Four Lane Via Las Cumbres Alternative

AM Peak Hour

HCM 2010 Signalized Intersection Summary
1: I-5 SB Ramps & Seaworld Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1480	30	420	260	0	0	0	0	310	0	730
Future Volume (veh/h)	0	1480	30	420	260	0	0	0	0	310	0	730
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	0	1863
Adj Flow Rate, veh/h	0	1558	32	442	274	0				326	0	47
Adj No. of Lanes	0	2	1	2	2	0				1	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95				0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0				2	0	2
Cap, veh/h	0	1641	698	535	2407	0				358	0	320
Arrive On Green	0.00	0.46	0.46	0.16	0.68	0.00				0.20	0.00	0.20
Sat Flow, veh/h	0	3632	1506	3442	3632	0				1774	0	1583
Grp Volume(v), veh/h	0	1558	32	442	274	0				326	0	47
Grp Sat Flow(s),veh/h/ln	0	1770	1506	1721	1770	0				1774	0	1583
Q Serve(g_s), s	0.0	38.0	1.0	11.2	2.4	0.0				16.2	0.0	2.2
Cycle Q Clear(g_c), s	0.0	38.0	1.0	11.2	2.4	0.0				16.2	0.0	2.2
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1641	698	535	2407	0				358	0	320
V/C Ratio(X)	0.00	0.95	0.05	0.83	0.11	0.00				0.91	0.00	0.15
Avail Cap(c_a), veh/h	0	1671	711	535	2407	0				373	0	332
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.32	0.32	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	23.1	13.2	36.8	5.0	0.0				35.1	0.0	29.5
Incr Delay (d2), s/veh	0.0	13.1	0.1	3.3	0.0	0.0				24.3	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	21.4	0.5	5.6	1.2	0.0				10.3	0.0	1.0
LnGrp Delay(d),s/veh	0.0	36.2	13.4	40.1	5.0	0.0				59.4	0.0	29.6
LnGrp LOS		D	B	D	A					E		C
Approach Vol, veh/h		1590			716						373	
Approach Delay, s/veh		35.8			26.7						55.7	
Approach LOS		D			C						E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	19.5	47.2		23.3		66.7		
Change Period (Y+Rc), s	5.5	* 5.5		5.1		5.5		
Max Green Setting (Gmax), s	13.3	* 43		18.9		60.5		
Max Q Clear Time (g_c+I1), s	13.2	40.0		18.2		4.4		
Green Ext Time (p_c), s	0.0	1.8		0.0		1.1		

Intersection Summary	
HCM 2010 Ctrl Delay	36.1
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
2: I-5 NB Ramps & Seaworld Drive/Tecolote Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1220	570	0	0	580	480	100	30	270	0	0	0
Future Volume (veh/h)	1220	570	0	0	580	480	100	30	270	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		0.94			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1900	1863	1863			
Adj Flow Rate, veh/h	1284	600	0	0	611	326	105	32	221			
Adj No. of Lanes	2	2	0	0	2	0	0	1	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	1215	2796	0	0	862	460	136	41	147			
Arrive On Green	0.35	0.79	0.00	0.00	0.39	0.39	0.10	0.10	0.10			
Sat Flow, veh/h	3442	3632	0	0	2302	1179	1375	419	1487			
Grp Volume(v), veh/h	1284	600	0	0	489	448	137	0	221			
Grp Sat Flow(s),veh/h/ln	1721	1770	0	0	1770	1618	1794	0	1487			
Q Serve(g_s), s	35.3	4.3	0.0	0.0	23.3	23.3	7.4	0.0	9.9			
Cycle Q Clear(g_c), s	35.3	4.3	0.0	0.0	23.3	23.3	7.4	0.0	9.9			
Prop In Lane	1.00		0.00	0.00		0.73	0.77		1.00			
Lane Grp Cap(c), veh/h	1215	2796	0	0	690	631	178	0	147			
V/C Ratio(X)	1.06	0.21	0.00	0.00	0.71	0.71	0.77	0.00	1.50			
Avail Cap(c_a), veh/h	1215	2796	0	0	690	631	178	0	147			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.29	0.29	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	32.3	2.7	0.0	0.0	25.7	25.7	43.9	0.0	45.0			
Incr Delay (d2), s/veh	32.0	0.1	0.0	0.0	6.1	6.6	17.0	0.0	257.4			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	22.1	2.1	0.0	0.0	12.4	11.5	4.5	0.0	18.3			
LnGrp Delay(d),s/veh	64.3	2.7	0.0	0.0	31.8	32.3	60.9	0.0	302.5			
LnGrp LOS	F	A			C	C	E		F			
Approach Vol, veh/h		1884			937			358				
Approach Delay, s/veh		44.7			32.1			210.1				
Approach LOS		D			C			F				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		85.0		15.0	40.0	45.0		
Change Period (Y+Rc), s		6.0		5.1	* 4.7	6.0		
Max Green Setting (Gmax), s		79.0		9.9	* 35	39.0		
Max Q Clear Time (g_c+I1), s		6.3		11.9	37.3	25.3		
Green Ext Time (p_c), s		2.5		0.0	0.0	3.2		

Intersection Summary	
HCM 2010 Ctrl Delay	59.6
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
3: I-805 SB Ramps & Phyllis Place

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	835	420	385	405	0	0	0	0	260	20	690
Future Volume (veh/h)	0	835	420	385	405	0	0	0	0	260	20	690
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	1863	1900
Adj Flow Rate, veh/h	0	879	407	405	426	0				274	21	706
Adj No. of Lanes	0	2	1	2	1	0				2	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95				0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0				2	2	2
Cap, veh/h	0	1028	450	465	874	0				1463	19	647
Arrive On Green	0.00	0.29	0.29	0.14	0.47	0.00				0.43	0.43	0.43
Sat Flow, veh/h	0	3632	1551	3442	1863	0				3442	45	1523
Grp Volume(v), veh/h	0	879	407	405	426	0				274	0	727
Grp Sat Flow(s),veh/h/ln	0	1770	1551	1721	1863	0				1721	0	1568
Q Serve(g_s), s	0.0	25.1	27.0	12.3	16.8	0.0				5.3	0.0	45.5
Cycle Q Clear(g_c), s	0.0	25.1	27.0	12.3	16.8	0.0				5.3	0.0	45.5
Prop In Lane	0.00		1.00	1.00		0.00				1.00		0.97
Lane Grp Cap(c), veh/h	0	1028	450	465	874	0				1463	0	667
V/C Ratio(X)	0.00	0.86	0.90	0.87	0.49	0.00				0.19	0.00	1.09
Avail Cap(c_a), veh/h	0	1098	481	492	926	0				1463	0	667
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	35.9	36.5	45.4	19.5	0.0				19.2	0.0	30.8
Incr Delay (d2), s/veh	0.0	6.0	18.8	14.2	0.2	0.0				0.0	0.0	62.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	13.1	13.9	6.8	8.7	0.0				2.5	0.0	31.1
LnGrp Delay(d),s/veh	0.0	41.9	55.3	59.6	19.7	0.0				19.2	0.0	92.8
LnGrp LOS		D	E	E	B					B		F
Approach Vol, veh/h		1286			831						1001	
Approach Delay, s/veh		46.1			39.2						72.7	
Approach LOS		D			D						E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	19.2	36.9		51.0		56.0		
Change Period (Y+Rc), s	* 4.7	5.8		5.5		5.8		
Max Green Setting (Gmax), s	* 15	33.2		45.5		53.2		
Max Q Clear Time (g_c+I1), s	14.3	29.0		47.5		18.8		
Green Ext Time (p_c), s	0.1	2.1		0.0		1.7		

Intersection Summary	
HCM 2010 Ctrl Delay	52.8
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
4: I-805 NB Ramps & Phyllis Place

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	735	360	0	0	470	280	320	20	475	0	0	0
Future Volume (veh/h)	735	360	0	0	470	280	320	20	475	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		0.97			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1900	1863	1863			
Adj Flow Rate, veh/h	774	379	0	0	495	48	337	21	284			
Adj No. of Lanes	2	1	0	0	2	0	0	1	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	842	1060	0	0	860	83	490	31	447			
Arrive On Green	0.24	0.57	0.00	0.00	0.26	0.26	0.29	0.29	0.29			
Sat Flow, veh/h	3442	1863	0	0	3347	314	1675	104	1529			
Grp Volume(v), veh/h	774	379	0	0	268	275	358	0	284			
Grp Sat Flow(s),veh/h/ln	1721	1863	0	0	1770	1799	1779	0	1529			
Q Serve(g_s), s	17.2	8.7	0.0	0.0	10.3	10.4	14.0	0.0	12.7			
Cycle Q Clear(g_c), s	17.2	8.7	0.0	0.0	10.3	10.4	14.0	0.0	12.7			
Prop In Lane	1.00		0.00	0.00		0.17	0.94		1.00			
Lane Grp Cap(c), veh/h	842	1060	0	0	468	476	520	0	447			
V/C Ratio(X)	0.92	0.36	0.00	0.00	0.57	0.58	0.69	0.00	0.64			
Avail Cap(c_a), veh/h	845	1423	0	0	812	826	995	0	856			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	28.9	9.2	0.0	0.0	25.1	25.1	24.6	0.0	24.2			
Incr Delay (d2), s/veh	14.6	0.1	0.0	0.0	0.4	0.4	0.6	0.0	0.6			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	9.9	4.4	0.0	0.0	5.1	5.2	6.9	0.0	5.4			
LnGrp Delay(d),s/veh	43.5	9.2	0.0	0.0	25.5	25.5	25.3	0.0	24.7			
LnGrp LOS	D	A			C	C	C		C			
Approach Vol, veh/h		1153			543			642				
Approach Delay, s/veh		32.3			25.5			25.0				
Approach LOS		C			C			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		50.5			24.0	26.6		28.1
Change Period (Y+Rc), s		5.8			* 4.7	5.8		5.1
Max Green Setting (Gmax), s		60.1			* 19	36.1		44.0
Max Q Clear Time (g_c+I1), s		10.7			19.2	12.4		16.0
Green Ext Time (p_c), s		1.5			0.0	2.0		1.7

Intersection Summary	
HCM 2010 Ctrl Delay	28.7
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
5: Mission Center Road & Civita Boulevard

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	50	100	280	190	70	480	190	60	30	300	290
Future Volume (veh/h)	80	50	100	280	190	70	480	190	60	30	300	290
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	1.00		0.96	1.00		0.99	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	84	53	44	295	200	6	505	200	16	32	316	42
Adj No. of Lanes	1	1	1	2	1	1	2	2	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	105	203	163	358	286	234	548	2224	986	41	1742	770
Arrive On Green	0.06	0.11	0.11	0.10	0.15	0.15	0.16	0.63	0.63	0.02	0.49	0.49
Sat Flow, veh/h	1774	1863	1496	3442	1863	1521	3442	3539	1568	1774	3539	1564
Grp Volume(v), veh/h	84	53	44	295	200	6	505	200	16	32	316	42
Grp Sat Flow(s),veh/h/ln	1774	1863	1496	1721	1863	1521	1721	1770	1568	1774	1770	1564
Q Serve(g_s), s	6.5	3.7	3.8	11.8	14.3	0.5	20.2	3.1	0.5	2.5	7.0	2.0
Cycle Q Clear(g_c), s	6.5	3.7	3.8	11.8	14.3	0.5	20.2	3.1	0.5	2.5	7.0	2.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	105	203	163	358	286	234	548	2224	986	41	1742	770
V/C Ratio(X)	0.80	0.26	0.27	0.82	0.70	0.03	0.92	0.09	0.02	0.79	0.18	0.05
Avail Cap(c_a), veh/h	324	440	354	629	440	360	556	2224	986	86	1742	770
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.94	0.94	0.94	1.00	1.00	1.00
Uniform Delay (d), s/veh	65.0	57.2	57.3	61.5	56.2	50.4	58.0	10.2	9.8	68.0	19.8	18.5
Incr Delay (d2), s/veh	5.2	2.0	2.6	4.8	7.8	0.1	19.5	0.1	0.0	11.6	0.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.4	2.0	1.7	5.9	8.0	0.2	11.1	1.6	0.2	1.4	3.4	0.9
LnGrp Delay(d),s/veh	70.2	59.2	59.8	66.3	64.0	50.5	77.4	10.3	9.8	79.6	20.0	18.7
LnGrp LOS	E	E	E	E	E	D	E	B	A	E	C	B
Approach Vol, veh/h		181			501			721			390	
Approach Delay, s/veh		64.4			65.2			57.3			24.8	
Approach LOS		E			E			E			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	7.6	93.3	19.0	20.1	26.7	74.2	12.7	26.4
Change Period (Y+Rc), s	4.4	5.3	4.4	4.9	4.4	5.3	4.4	4.9
Max Green Setting (Gmax), s	6.8	55.5	25.6	33.1	22.6	39.7	25.6	33.1
Max Q Clear Time (g_c+I1), s	4.5	5.1	13.8	5.8	22.2	9.0	8.5	16.3
Green Ext Time (p_c), s	0.0	1.8	0.8	0.9	0.1	5.5	0.1	2.0

Intersection Summary	
HCM 2010 Ctrl Delay	53.2
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
6: Mission Center Road & Westside Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	20	185	195	40	40	245	620	65	30	560	90
Future Volume (veh/h)	70	20	185	195	40	40	245	620	65	30	560	90
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.97	1.00		0.98	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	74	21	39	205	42	21	258	653	28	32	589	21
Adj No. of Lanes	0	1	1	1	1	0	2	3	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	109	31	277	330	215	108	354	1640	501	46	869	373
Arrive On Green	0.08	0.08	0.08	0.19	0.19	0.19	0.10	0.32	0.32	0.03	0.25	0.25
Sat Flow, veh/h	1397	396	1462	1774	1159	579	3442	5085	1554	1774	3539	1519
Grp Volume(v), veh/h	95	0	39	205	0	63	258	653	28	32	589	21
Grp Sat Flow(s),veh/h/ln	1793	0	1462	1774	0	1738	1721	1695	1554	1774	1770	1519
Q Serve(g_s), s	4.0	0.0	1.7	8.2	0.0	2.3	5.6	7.6	1.0	1.4	11.5	0.8
Cycle Q Clear(g_c), s	4.0	0.0	1.7	8.2	0.0	2.3	5.6	7.6	1.0	1.4	11.5	0.8
Prop In Lane	0.78		1.00	1.00		0.33	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	140	0	277	330	0	323	354	1640	501	46	869	373
V/C Ratio(X)	0.68	0.00	0.14	0.62	0.00	0.19	0.73	0.40	0.06	0.70	0.68	0.06
Avail Cap(c_a), veh/h	728	0	756	674	0	660	835	3212	981	160	1695	727
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.4	0.0	26.4	28.7	0.0	26.3	33.3	20.2	17.9	37.0	26.2	22.1
Incr Delay (d2), s/veh	2.1	0.0	0.1	2.5	0.0	0.4	1.1	0.3	0.1	7.0	1.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.0	0.0	0.7	4.2	0.0	1.2	2.7	3.6	0.4	0.8	5.8	0.3
LnGrp Delay(d),s/veh	36.5	0.0	26.5	31.3	0.0	26.7	34.4	20.4	18.0	44.0	27.5	22.2
LnGrp LOS	D		C	C		C	C	C	B	D	C	C
Approach Vol, veh/h		134			268			939			642	
Approach Delay, s/veh		33.6			30.2			24.2			28.1	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.3	29.3		10.9	6.4	35.2		24.2
Change Period (Y+Rc), s	4.4	10.5		4.9	4.4	10.5		9.9
Max Green Setting (Gmax), s	18.6	36.7		31.1	6.9	48.4		29.1
Max Q Clear Time (g_c+I1), s	7.6	13.5		6.0	3.4	9.6		10.2
Green Ext Time (p_c), s	0.3	5.3		0.4	0.0	8.3		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	26.9
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
7: Seaworld Drive & Friar Roads

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	545	295	1250	570	190	760
Future Volume (veh/h)	545	295	1250	570	190	760
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.98	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	589	295	1316	600	200	800
Adj No. of Lanes	2	1	2	1	2	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	810	361	1559	1043	285	2082
Arrive On Green	0.23	0.23	0.44	0.44	0.08	0.59
Sat Flow, veh/h	3548	1583	3632	1547	3442	3632
Grp Volume(v), veh/h	589	295	1316	600	200	800
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1547	1721	1770
Q Serve(g_s), s	10.4	11.9	22.4	14.2	3.8	8.1
Cycle Q Clear(g_c), s	10.4	11.9	22.4	14.2	3.8	8.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	810	361	1559	1043	285	2082
V/C Ratio(X)	0.73	0.82	0.84	0.58	0.70	0.38
Avail Cap(c_a), veh/h	1469	656	1602	1062	285	2167
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.1	24.7	16.9	6.1	30.2	7.4
Incr Delay (d2), s/veh	0.5	1.7	4.4	0.9	6.4	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.1	5.4	11.7	10.4	2.1	4.0
LnGrp Delay(d),s/veh	24.6	26.5	21.3	7.0	36.6	7.7
LnGrp LOS	C	C	C	A	D	A
Approach Vol, veh/h	884		1916			1000
Approach Delay, s/veh	25.2		16.8			13.5
Approach LOS	C		B			B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	10.0	36.0				46.0		21.6
Change Period (Y+Rc), s	4.4	6.2				* 6.2		6.2
Max Green Setting (Gmax), s	5.6	30.6				* 41		28.0
Max Q Clear Time (g_c+I1), s	5.8	24.4				10.1		13.9
Green Ext Time (p_c), s	0.0	5.4				11.4		1.5

Intersection Summary	
HCM 2010 Ctrl Delay	17.9
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
8: Friar Roads & Napa Street

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	290	460	0	0	850	780	0	0	0	250	0	120
Future Volume (veh/h)	290	460	0	0	850	780	0	0	0	250	0	120
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	305	484	0	0	895	705	0	0	0	263	0	68
Adj No. of Lanes	1	2	0	0	2	1	0	1	0	2	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	0	2	2	2
Cap, veh/h	340	2265	0	0	1424	856	0	2	0	487	0	219
Arrive On Green	0.19	0.64	0.00	0.00	0.40	0.40	0.00	0.00	0.00	0.14	0.00	0.14
Sat Flow, veh/h	1774	3632	0	0	3632	1560	0	-74510	0	3371	0	1518
Grp Volume(v), veh/h	305	484	0	0	895	705	0	0	0	263	0	68
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1770	1560	0	1863	0	1685	0	1518
Q Serve(g_s), s	16.0	5.4	0.0	0.0	19.3	35.6	0.0	0.0	0.0	6.9	0.0	3.8
Cycle Q Clear(g_c), s	16.0	5.4	0.0	0.0	19.3	35.6	0.0	0.0	0.0	6.9	0.0	3.8
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	340	2265	0	0	1424	856	0	2	0	487	0	219
V/C Ratio(X)	0.90	0.21	0.00	0.00	0.63	0.82	0.00	0.00	0.00	0.54	0.00	0.31
Avail Cap(c_a), veh/h	459	2677	0	0	1428	858	0	528	0	924	0	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	37.6	7.1	0.0	0.0	22.7	17.8	0.0	0.0	0.0	37.8	0.0	36.5
Incr Delay (d2), s/veh	13.8	0.1	0.0	0.0	1.1	6.9	0.0	0.0	0.0	2.0	0.0	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.1	2.6	0.0	0.0	9.5	20.0	0.0	0.0	0.0	3.3	0.0	3.4
LnGrp Delay(d),s/veh	51.3	7.2	0.0	0.0	23.8	24.7	0.0	0.0	0.0	39.8	0.0	38.2
LnGrp LOS	D	A			C	C				D		D
Approach Vol, veh/h		789			1600			0			331	
Approach Delay, s/veh		24.3			24.2			0.0			39.4	
Approach LOS		C			C						D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		71.5		23.7	22.6	48.9		0.0
Change Period (Y+Rc), s		* 11		* 9.9	4.4	* 11		4.0
Max Green Setting (Gmax), s		* 72		* 26	24.6	* 38		27.0
Max Q Clear Time (g_c+I1), s		7.4		8.9	18.0	37.6		0.0
Green Ext Time (p_c), s		5.9		2.3	0.3	0.7		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	26.1
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
9: Colusa Street & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	55	480	50	50	1720	150	70	20	50	90	20	50
Future Volume (veh/h)	55	480	50	50	1720	150	70	20	50	90	20	50
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	0.98		0.97	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	58	505	48	53	1811	153	74	21	17	95	21	21
Adj No. of Lanes	1	2	0	1	2	0	0	1	1	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	74	1916	182	68	1929	160	287	74	342	276	187	187
Arrive On Green	0.04	0.59	0.59	0.04	0.58	0.58	0.22	0.22	0.22	0.22	0.22	0.22
Sat Flow, veh/h	1774	3262	309	1774	3303	275	1005	332	1541	1335	843	843
Grp Volume(v), veh/h	58	273	280	53	957	1007	95	0	17	95	0	42
Grp Sat Flow(s),veh/h/ln	1774	1770	1802	1774	1770	1809	1337	0	1541	1335	0	1686
Q Serve(g_s), s	3.3	7.6	7.6	3.0	49.3	52.6	5.0	0.0	0.9	6.5	0.0	2.0
Cycle Q Clear(g_c), s	3.3	7.6	7.6	3.0	49.3	52.6	7.0	0.0	0.9	13.5	0.0	2.0
Prop In Lane	1.00		0.17	1.00		0.15	0.78		1.00	1.00		0.50
Lane Grp Cap(c), veh/h	74	1039	1058	68	1033	1056	361	0	342	276	0	375
V/C Ratio(X)	0.78	0.26	0.26	0.78	0.93	0.95	0.26	0.00	0.05	0.34	0.00	0.11
Avail Cap(c_a), veh/h	85	1039	1058	157	1034	1057	484	0	476	392	0	521
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	47.7	10.1	10.1	48.0	19.0	19.7	33.5	0.0	30.8	38.9	0.0	31.2
Incr Delay (d2), s/veh	28.1	0.5	0.5	7.0	15.0	18.6	0.1	0.0	0.0	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	3.9	4.0	1.6	28.2	31.5	2.3	0.0	0.4	2.4	0.0	0.9
LnGrp Delay(d),s/veh	75.9	10.6	10.6	55.0	34.0	38.2	33.7	0.0	30.8	39.1	0.0	31.3
LnGrp LOS	E	B	B	D	C	D	C		C	D		C
Approach Vol, veh/h		611			2017			112			137	
Approach Delay, s/veh		16.8			36.7			33.2			36.7	
Approach LOS		B			D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.3	65.1		27.3	8.6	64.8		27.3
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0		4.9
Max Green Setting (Gmax), s	8.9	* 55		31.1	4.8	58.8		31.1
Max Q Clear Time (g_c+I1), s	5.0	9.6		15.5	5.3	54.6		9.0
Green Ext Time (p_c), s	0.0	9.6		0.2	0.0	4.1		0.3

Intersection Summary		
HCM 2010 Ctrl Delay		32.3
HCM 2010 LOS		C

Notes

HCM 2010 Signalized Intersection Summary
10: Via Las Cumbres & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	450	110	280	1270	465	120	170	210	140	210	140
Future Volume (veh/h)	140	450	110	280	1270	465	120	170	210	140	210	140
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	146	469	93	295	1337	331	126	179	126	147	221	105
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	0
Peak Hour Factor	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	169	954	188	323	1457	636	149	369	304	170	248	118
Arrive On Green	0.10	0.32	0.32	0.18	0.41	0.41	0.08	0.20	0.20	0.10	0.21	0.21
Sat Flow, veh/h	1774	2939	579	1774	3539	1545	1774	1863	1535	1774	1182	562
Grp Volume(v), veh/h	146	281	281	295	1337	331	126	179	126	147	0	326
Grp Sat Flow(s),veh/h/ln	1774	1770	1748	1774	1770	1545	1774	1863	1535	1774	0	1744
Q Serve(g_s), s	11.4	17.9	18.2	22.9	50.2	22.5	9.8	12.0	10.1	11.5	0.0	25.5
Cycle Q Clear(g_c), s	11.4	17.9	18.2	22.9	50.2	22.5	9.8	12.0	10.1	11.5	0.0	25.5
Prop In Lane	1.00		0.33	1.00		1.00	1.00		1.00	1.00		0.32
Lane Grp Cap(c), veh/h	169	574	567	323	1457	636	149	369	304	170	0	366
V/C Ratio(X)	0.86	0.49	0.49	0.91	0.92	0.52	0.85	0.49	0.41	0.86	0.00	0.89
Avail Cap(c_a), veh/h	181	574	567	473	1548	676	155	425	350	181	0	430
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	62.6	38.1	38.1	56.3	39.1	30.9	63.4	50.0	49.2	62.6	0.0	53.9
Incr Delay (d2), s/veh	31.3	0.4	0.5	16.7	8.6	0.4	32.3	1.0	0.9	31.5	0.0	16.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.1	8.8	8.8	12.7	26.2	9.7	6.2	6.3	4.3	7.1	0.0	14.0
LnGrp Delay(d),s/veh	93.9	38.5	38.6	73.0	47.6	31.4	95.7	51.0	50.1	94.1	0.0	70.5
LnGrp LOS	F	D	D	E	D	C	F	D	D	F		E
Approach Vol, veh/h		708			1963			431			473	
Approach Delay, s/veh		50.0			48.7			63.8			77.8	
Approach LOS		D			D			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	31.3	56.5	17.5	35.2	19.1	68.7	19.2	33.5
Change Period (Y+Rc), s	5.7	* 11	5.7	* 5.7	5.7	* 11	5.7	5.7
Max Green Setting (Gmax), s	37.4	* 39	12.3	* 35	14.3	* 61	14.3	32.0
Max Q Clear Time (g_c+I1), s	24.9	20.2	11.8	27.5	13.4	52.2	13.5	14.0
Green Ext Time (p_c), s	0.7	2.4	0.0	0.7	0.0	5.6	0.0	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	54.6
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
11: Fashion Valley Road & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	580	80	120	1590	10	180	5	120	20	5	5
Future Volume (veh/h)	5	580	80	120	1590	10	180	5	120	20	5	5
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	0.98		0.97	0.98		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	5	611	58	126	1674	11	189	5	126	21	5	0
Adj No. of Lanes	1	3	0	1	2	0	0	1	1	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	9	2071	194	154	1876	12	354	7	298	150	28	0
Arrive On Green	0.01	0.44	0.44	0.17	1.00	1.00	0.19	0.19	0.19	0.19	0.19	0.00
Sat Flow, veh/h	1774	4717	443	1774	3603	24	1418	38	1534	402	147	0
Grp Volume(v), veh/h	5	437	232	126	821	864	194	0	126	26	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1770	1774	1770	1857	1456	0	1534	549	0	0
Q Serve(g_s), s	0.3	7.5	7.6	6.2	0.0	0.0	0.0	0.0	6.5	1.0	0.0	0.0
Cycle Q Clear(g_c), s	0.3	7.5	7.6	6.2	0.0	0.0	10.9	0.0	6.5	11.9	0.0	0.0
Prop In Lane	1.00		0.25	1.00		0.01	0.97		1.00	0.81		0.00
Lane Grp Cap(c), veh/h	9	1488	777	154	921	967	362	0	298	179	0	0
V/C Ratio(X)	0.54	0.29	0.30	0.82	0.89	0.89	0.54	0.00	0.42	0.15	0.00	0.00
Avail Cap(c_a), veh/h	79	1488	777	177	921	967	632	0	597	435	0	0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.70	0.70	0.70	0.86	0.00	0.86	1.00	0.00	0.00
Uniform Delay (d), s/veh	44.7	16.3	16.3	36.5	0.0	0.0	33.6	0.0	31.8	34.9	0.0	0.0
Incr Delay (d2), s/veh	16.9	0.5	1.0	14.6	9.4	9.2	0.6	0.0	0.4	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	3.6	3.9	3.6	2.4	2.5	4.5	0.0	2.8	0.6	0.0	0.0
LnGrp Delay(d),s/veh	61.6	16.8	17.3	51.1	9.4	9.2	34.2	0.0	32.3	35.1	0.0	0.0
LnGrp LOS	E	B	B	D	A	A	C		C	D		
Approach Vol, veh/h		674			1811			320			26	
Approach Delay, s/veh		17.3			12.2			33.4			35.1	
Approach LOS		B			B			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.2	50.4		27.4	4.9	57.8		27.4
Change Period (Y+Rc), s	4.4	* 11		* 9.9	4.4	* 11		* 9.9
Max Green Setting (Gmax), s	9.0	* 21		* 35	4.0	* 26		* 35
Max Q Clear Time (g_c+I1), s	8.2	9.6		13.9	2.3	2.0		12.9
Green Ext Time (p_c), s	0.0	2.9		0.1	0.0	16.0		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	16.0
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
12: Via De La Moda & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	750	30	70	1690	0	20	0	90	0	0	0
Future Volume (veh/h)	0	750	30	70	1690	0	20	0	90	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	0	1863	0	1863			
Adj Flow Rate, veh/h	0	789	32	74	1779	0	21	0	74			
Adj No. of Lanes	1	3	0	2	2	0	1	0	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	2	2	2	0	2	0	2			
Cap, veh/h	2	3712	150	129	2930	0	112	0	100			
Arrive On Green	0.00	1.00	1.00	0.04	0.83	0.00	0.06	0.00	0.06			
Sat Flow, veh/h	1774	5006	202	3442	3632	0	1774	0	1583			
Grp Volume(v), veh/h	0	534	287	74	1779	0	21	0	74			
Grp Sat Flow(s),veh/h/ln	1774	1695	1818	1721	1770	0	1774	0	1583			
Q Serve(g_s), s	0.0	0.0	0.0	1.9	15.7	0.0	1.0	0.0	4.1			
Cycle Q Clear(g_c), s	0.0	0.0	0.0	1.9	15.7	0.0	1.0	0.0	4.1			
Prop In Lane	1.00		0.11	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	2	2514	1348	129	2930	0	112	0	100			
V/C Ratio(X)	0.00	0.21	0.21	0.57	0.61	0.00	0.19	0.00	0.74			
Avail Cap(c_a), veh/h	99	2514	1348	688	2930	0	631	0	563			
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.94	0.94	0.88	0.88	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	0.0	0.0	42.6	2.7	0.0	40.0	0.0	41.4			
Incr Delay (d2), s/veh	0.0	0.2	0.3	1.3	0.8	0.0	0.3	0.0	4.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	0.1	0.1	0.9	7.8	0.0	0.5	0.0	1.9			
LnGrp Delay(d),s/veh	0.0	0.2	0.3	43.9	3.5	0.0	40.3	0.0	45.4			
LnGrp LOS		A	A	D	A		D		D			
Approach Vol, veh/h		821			1853			95				
Approach Delay, s/veh		0.2			5.1			44.3				
Approach LOS		A			A			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2			5	6		8
Phs Duration (G+Y+Rc), s	7.8	72.1			0.0	79.9		10.1
Change Period (Y+Rc), s	4.4	5.4			4.4	* 5.4		4.4
Max Green Setting (Gmax), s	18.0	25.8			5.0	* 39		32.0
Max Q Clear Time (g_c+I1), s	3.9	2.0			0.0	17.7		6.1
Green Ext Time (p_c), s	0.1	6.3			0.0	15.6		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	5.0
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
13: Avenida De Las Tiendas & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	795	40	100	1680	40	20	5	30	40	5	10
Future Volume (veh/h)	5	795	40	100	1680	40	20	5	30	40	5	10
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.96	0.96		0.96	0.97		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	5	837	37	105	1768	42	21	13	11	42	5	8
Adj No. of Lanes	1	3	0	2	3	0	1	1	1	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	9	1307	58	1377	3412	81	292	306	251	291	104	166
Arrive On Green	0.00	0.09	0.09	0.40	0.67	0.67	0.16	0.16	0.16	0.16	0.16	0.16
Sat Flow, veh/h	1774	4984	220	3442	5105	121	1346	1863	1525	1334	631	1009
Grp Volume(v), veh/h	5	569	305	105	1174	636	21	13	11	42	0	13
Grp Sat Flow(s),veh/h/ln	1774	1695	1814	1721	1695	1836	1346	1863	1525	1334	0	1640
Q Serve(g_s), s	0.3	14.6	14.7	1.7	15.8	15.8	1.2	0.5	0.5	2.5	0.0	0.6
Cycle Q Clear(g_c), s	0.3	14.6	14.7	1.7	15.8	15.8	1.8	0.5	0.5	3.0	0.0	0.6
Prop In Lane	1.00		0.12	1.00		0.07	1.00		1.00	1.00		0.62
Lane Grp Cap(c), veh/h	9	889	476	1377	2266	1227	292	306	251	291	0	269
V/C Ratio(X)	0.54	0.64	0.64	0.08	0.52	0.52	0.07	0.04	0.04	0.14	0.00	0.05
Avail Cap(c_a), veh/h	83	1443	772	1377	2266	1227	521	623	510	518	0	548
HCM Platoon Ratio	0.33	0.33	0.33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	0.98	0.72	0.72	0.72	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	44.8	37.0	37.0	16.7	7.6	7.6	32.4	31.7	31.7	32.9	0.0	31.7
Incr Delay (d2), s/veh	16.6	3.4	6.4	0.0	0.6	1.1	0.0	0.0	0.0	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	7.3	8.2	0.8	7.5	8.3	0.5	0.3	0.2	0.9	0.0	0.3
LnGrp Delay(d),s/veh	61.4	40.4	43.4	16.7	8.2	8.7	32.5	31.7	31.7	33.0	0.0	31.7
LnGrp LOS	E	D	D	B	A	A	C	C	C	C		C
Approach Vol, veh/h		879			1915			45			55	
Approach Delay, s/veh		41.6			8.8			32.1			32.7	
Approach LOS		D			A			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	41.3	29.0		19.7	4.9	65.4		19.7
Change Period (Y+Rc), s	5.3	* 5.4		4.9	4.4	5.3		4.9
Max Green Setting (Gmax), s	6.9	* 38		30.1	4.2	41.1		30.1
Max Q Clear Time (g_c+I1), s	3.7	16.7		5.0	2.3	17.8		3.8
Green Ext Time (p_c), s	0.0	6.5		0.1	0.0	15.8		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	19.6
HCM 2010 LOS	B

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	405	320	530	1150	480	560	20	810	350	20	110
Future Volume (veh/h)	140	405	320	530	1150	480	560	20	810	350	20	110
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	147	426	200	558	1211	242	589	21	511	368	21	37
Adj No. of Lanes	2	3	1	2	3	2	2	1	2	2	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	193	1816	860	621	2466	1753	661	358	1022	517	89	156
Arrive On Green	0.06	0.36	0.36	0.18	0.48	0.48	0.19	0.19	0.19	0.15	0.15	0.15
Sat Flow, veh/h	3442	5085	1557	3442	5085	2752	3442	1863	2700	3442	590	1039
Grp Volume(v), veh/h	147	426	200	558	1211	242	589	21	511	368	0	58
Grp Sat Flow(s),veh/h/ln	1721	1695	1557	1721	1695	1376	1721	1863	1350	1721	0	1629
Q Serve(g_s), s	6.3	8.8	10.0	23.8	24.1	5.3	25.0	1.4	22.0	15.3	0.0	4.7
Cycle Q Clear(g_c), s	6.3	8.8	10.0	23.8	24.1	5.3	25.0	1.4	22.0	15.3	0.0	4.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.64
Lane Grp Cap(c), veh/h	193	1816	860	621	2466	1753	661	358	1022	517	0	245
V/C Ratio(X)	0.76	0.23	0.23	0.90	0.49	0.14	0.89	0.06	0.50	0.71	0.00	0.24
Avail Cap(c_a), veh/h	252	1816	860	766	2466	1753	792	428	1124	757	0	358
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.97	0.97	0.97	0.79	0.79	0.79	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	69.8	33.8	17.5	60.1	26.1	10.9	59.1	49.5	36.4	60.6	0.0	56.2
Incr Delay (d2), s/veh	9.3	0.3	0.6	9.6	0.6	0.1	9.8	0.0	0.1	0.7	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	4.2	6.3	12.1	11.5	2.9	12.8	0.7	8.2	7.3	0.0	2.1
LnGrp Delay(d),s/veh	79.1	34.1	18.1	69.7	26.7	11.1	68.8	49.5	36.5	61.3	0.0	56.3
LnGrp LOS	E	C	B	E	C	B	E	D	D	E		E
Approach Vol, veh/h		773			2011			1121			426	
Approach Delay, s/veh		38.5			36.7			53.8			60.6	
Approach LOS		D			D			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	31.6	58.1		27.0	12.4	77.2		33.3
Change Period (Y+Rc), s	4.5	4.5		4.5	4.0	4.5		4.5
Max Green Setting (Gmax), s	33.4	31.1		33.0	11.0	54.0		34.5
Max Q Clear Time (g_c+I1), s	25.8	12.0		17.3	8.3	26.1		27.0
Green Ext Time (p_c), s	1.3	3.4		0.8	0.1	11.3		1.8

Intersection Summary	
HCM 2010 Ctrl Delay	43.8
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
15: Friar Roads & SR-163 NB Ramps



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	480	1085	1440	740	820	720
Future Volume (veh/h)	480	1085	1440	740	820	720
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	485	1096	1455	38	828	424
Adj No. of Lanes	2	4	4	2	3	2
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1188	4571	1931	812	878	489
Arrive On Green	0.35	0.71	0.30	0.30	0.18	0.18
Sat Flow, veh/h	3442	6669	6669	2694	5003	2787
Grp Volume(v), veh/h	485	1096	1455	38	828	424
Grp Sat Flow(s),veh/h/ln	1721	1602	1602	1347	1668	1393
Q Serve(g_s), s	9.7	5.3	18.5	0.9	14.7	13.3
Cycle Q Clear(g_c), s	9.7	5.3	18.5	0.9	14.7	13.3
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	1188	4571	1931	812	878	489
V/C Ratio(X)	0.41	0.24	0.75	0.05	0.94	0.87
Avail Cap(c_a), veh/h	1188	4571	2350	988	1278	712
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.79	0.79	0.33	0.33	1.00	1.00
Uniform Delay (d), s/veh	22.5	4.5	28.4	22.3	36.7	36.1
Incr Delay (d2), s/veh	0.1	0.1	0.9	0.0	10.7	7.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.6	2.4	8.3	0.3	7.6	10.1
LnGrp Delay(d),s/veh	22.5	4.6	29.3	22.3	47.3	43.8
LnGrp LOS	C	A	C	C	D	D
Approach Vol, veh/h		1581	1493		1252	
Approach Delay, s/veh		10.1	29.2		46.1	
Approach LOS		B	C		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		70.2		19.8	37.1	33.1		
Change Period (Y+Rc), s		6.0		4.0	6.0	* 6		
Max Green Setting (Gmax), s		57.0		23.0	19.0	* 33		
Max Q Clear Time (g_c+I1), s		7.3		15.3	11.7	20.5		
Green Ext Time (p_c), s		5.3		0.5	0.6	5.5		

Intersection Summary	
HCM 2010 Ctrl Delay	27.1
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
16: Frazee Road & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	630	790	425	80	1740	80	120	120	40	40	60	240
Future Volume (veh/h)	630	790	425	80	1740	80	120	120	40	40	60	240
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.96	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	656	823	157	83	1812	39	125	125	21	42	62	31
Adj No. of Lanes	2	4	2	2	3	1	2	2	0	2	1	2
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	636	3402	1452	130	1952	598	179	444	73	128	246	351
Arrive On Green	0.18	0.53	0.53	0.04	0.38	0.38	0.05	0.15	0.15	0.04	0.13	0.13
Sat Flow, veh/h	3442	6408	2734	3442	5085	1559	3442	3025	495	3442	1863	2660
Grp Volume(v), veh/h	656	823	157	83	1812	39	125	72	74	42	62	31
Grp Sat Flow(s),veh/h/ln	1721	1602	1367	1721	1695	1559	1721	1770	1751	1721	1863	1330
Q Serve(g_s), s	22.6	8.4	3.5	2.9	41.7	1.9	4.4	4.4	4.6	1.5	3.7	1.3
Cycle Q Clear(g_c), s	22.6	8.4	3.5	2.9	41.7	1.9	4.4	4.4	4.6	1.5	3.7	1.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.28	1.00		1.00
Lane Grp Cap(c), veh/h	636	3402	1452	130	1952	598	179	260	257	128	246	351
V/C Ratio(X)	1.03	0.24	0.11	0.64	0.93	0.07	0.70	0.28	0.29	0.33	0.25	0.09
Avail Cap(c_a), veh/h	636	3402	1452	211	1964	602	284	637	630	169	684	977
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.8	15.4	14.3	58.0	36.0	23.8	57.0	46.4	46.5	57.3	47.6	46.6
Incr Delay (d2), s/veh	43.8	0.1	0.0	1.9	8.5	0.1	2.7	0.2	0.2	0.8	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.6	3.7	1.3	1.4	21.0	0.8	2.1	2.2	2.2	0.7	1.9	0.5
LnGrp Delay(d),s/veh	93.6	15.5	14.3	59.9	44.5	23.9	59.7	46.6	46.7	58.1	47.9	46.6
LnGrp LOS	F	B	B	E	D	C	E	D	D	E	D	D
Approach Vol, veh/h		1636			1934			271			135	
Approach Delay, s/veh		46.7			44.8			52.6			50.8	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	76.4	10.7	26.0	27.0	58.4	9.0	27.8
Change Period (Y+Rc), s	4.4	* 12	4.4	* 9.9	4.4	11.5	4.4	* 9.9
Max Green Setting (Gmax), s	7.5	* 63	10.1	* 45	22.6	47.2	6.0	* 44
Max Q Clear Time (g_c+I1), s	4.9	10.4	6.4	5.7	24.6	43.7	3.5	6.6
Green Ext Time (p_c), s	0.0	10.3	0.1	0.3	0.0	3.2	0.0	0.6

Intersection Summary	
HCM 2010 Ctrl Delay	46.3
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
17: Mission Center Road & Friar WB

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	160	5	340	160	590	0	0	660	280
Future Volume (veh/h)	0	0	0	160	5	340	160	590	0	0	660	280
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.95	1.00		1.00	1.00		0.98
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				167	0	123	163	602	0	0	673	92
Adj No. of Lanes				2	0	1	2	2	0	0	2	1
Peak Hour Factor				0.98	0.98	0.98	0.98	0.98	0.95	0.95	0.98	0.98
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				452	0	192	215	2560	0	0	2228	981
Arrive On Green				0.13	0.00	0.13	0.12	1.00	0.00	0.00	0.63	0.63
Sat Flow, veh/h				3548	0	1509	3442	3632	0	0	3632	1558
Grp Volume(v), veh/h				167	0	123	163	602	0	0	673	92
Grp Sat Flow(s),veh/h/ln				1774	0	1509	1721	1770	0	0	1770	1558
Q Serve(g_s), s				6.0	0.0	10.8	6.4	0.0	0.0	0.0	12.2	3.3
Cycle Q Clear(g_c), s				6.0	0.0	10.8	6.4	0.0	0.0	0.0	12.2	3.3
Prop In Lane				1.00		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				452	0	192	215	2560	0	0	2228	981
V/C Ratio(X)				0.37	0.00	0.64	0.76	0.24	0.00	0.00	0.30	0.09
Avail Cap(c_a), veh/h				991	0	421	482	2560	0	0	2228	981
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	0.96	0.96	0.00	0.00	0.75	0.75
Uniform Delay (d), s/veh				55.9	0.0	58.0	60.2	0.0	0.0	0.0	11.9	10.2
Incr Delay (d2), s/veh				0.5	0.0	3.5	5.2	0.2	0.0	0.0	0.3	0.1
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				3.0	0.0	4.7	3.2	0.1	0.0	0.0	6.0	1.4
LnGrp Delay(d),s/veh				56.4	0.0	61.6	65.4	0.2	0.0	0.0	12.1	10.4
LnGrp LOS				E		E	E	A			B	B
Approach Vol, veh/h					290			765			765	
Approach Delay, s/veh					58.6			14.1			11.9	
Approach LOS					E			B			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		112.3			13.1	99.1		27.7
Change Period (Y+Rc), s		* 11			4.4	11.0		9.9
Max Green Setting (Gmax), s		* 81			19.6	56.0		39.1
Max Q Clear Time (g_c+I1), s		2.0			8.4	14.2		12.8
Green Ext Time (p_c), s		8.7			0.3	10.3		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	20.3
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
18: Mission Center Road & Friar EB

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	170	20	190	0	0	0	0	580	160	190	630	0
Future Volume (veh/h)	170	20	190	0	0	0	0	580	160	190	630	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	194	0	200				0	611	168	200	663	0
Adj No. of Lanes	2	0	1				0	2	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	484	0	207				0	2166	953	249	2533	0
Arrive On Green	0.14	0.00	0.14				0.00	1.00	1.00	0.14	1.00	0.00
Sat Flow, veh/h	3548	0	1514				0	3632	1557	3442	3632	0
Grp Volume(v), veh/h	194	0	200				0	611	168	200	663	0
Grp Sat Flow(s),veh/h/ln	1774	0	1514				0	1770	1557	1721	1770	0
Q Serve(g_s), s	7.0	0.0	18.4				0.0	0.0	0.0	7.9	0.0	0.0
Cycle Q Clear(g_c), s	7.0	0.0	18.4				0.0	0.0	0.0	7.9	0.0	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	484	0	207				0	2166	953	249	2533	0
V/C Ratio(X)	0.40	0.00	0.97				0.00	0.28	0.18	0.80	0.26	0.00
Avail Cap(c_a), veh/h	484	0	207				0	2166	953	556	2533	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	2.00	2.00	2.00	2.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.96	0.96	0.96	0.96	0.00
Uniform Delay (d), s/veh	55.2	0.0	60.2				0.0	0.0	0.0	58.9	0.0	0.0
Incr Delay (d2), s/veh	0.5	0.0	53.4				0.0	0.3	0.4	2.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	0.0	10.8				0.0	0.1	0.1	3.8	0.1	0.0
LnGrp Delay(d),s/veh	55.8	0.0	113.6				0.0	0.3	0.4	61.1	0.2	0.0
LnGrp LOS	E		F					A	A	E	A	
Approach Vol, veh/h		394						779			863	
Approach Delay, s/veh		85.1						0.3			14.3	
Approach LOS		F						A			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	14.5	96.5		29.0		111.0		
Change Period (Y+Rc), s	4.4	* 11		* 9.9		10.8		
Max Green Setting (Gmax), s	22.6	* 74		* 19		100.2		
Max Q Clear Time (g_c+I1), s	9.9	2.0		20.4		2.0		
Green Ext Time (p_c), s	0.3	7.9		0.0		6.1		

Intersection Summary	
HCM 2010 Ctrl Delay	22.7
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
19: Qualcomm Way & WB Friar

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	320	20	270	510	520	0	0	630	190
Future Volume (veh/h)	0	0	0	320	20	270	510	520	0	0	630	190
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.97	1.00		1.00	1.00		0.98
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1900	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				327	20	92	520	531	0	0	643	16
Adj No. of Lanes				1	1	0	2	2	0	0	3	1
Peak Hour Factor				0.98	0.98	0.98	0.98	0.98	0.95	0.95	0.98	0.98
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				354	57	260	604	2360	0	0	2333	711
Arrive On Green				0.20	0.20	0.20	0.06	0.22	0.00	0.00	0.46	0.46
Sat Flow, veh/h				1774	283	1302	3442	3632	0	0	5253	1549
Grp Volume(v), veh/h				327	0	112	520	531	0	0	643	16
Grp Sat Flow(s),veh/h/ln				1774	0	1585	1721	1770	0	0	1695	1549
Q Serve(g_s), s				27.1	0.0	9.1	22.5	18.5	0.0	0.0	11.7	0.8
Cycle Q Clear(g_c), s				27.1	0.0	9.1	22.5	18.5	0.0	0.0	11.7	0.8
Prop In Lane				1.00		0.82	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				354	0	317	604	2360	0	0	2333	711
V/C Ratio(X)				0.92	0.00	0.35	0.86	0.22	0.00	0.00	0.28	0.02
Avail Cap(c_a), veh/h				522	0	466	851	2360	0	0	2333	711
HCM Platoon Ratio				1.00	1.00	1.00	0.33	0.33	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	0.87	0.87	0.00	0.00	0.59	0.59
Uniform Delay (d), s/veh				58.9	0.0	51.7	68.8	26.7	0.0	0.0	25.1	22.2
Incr Delay (d2), s/veh				13.7	0.0	0.2	6.2	0.2	0.0	0.0	0.2	0.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				14.7	0.0	4.0	11.3	9.1	0.0	0.0	5.5	0.4
LnGrp Delay(d),s/veh				72.6	0.0	51.9	75.0	26.9	0.0	0.0	25.3	22.2
LnGrp LOS				E		D	E	C			C	C
Approach Vol, veh/h					439			1051			659	
Approach Delay, s/veh					67.3			50.7			25.2	
Approach LOS					E			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		110.1			31.2	78.9		39.9
Change Period (Y+Rc), s		* 10			4.9	* 10		9.9
Max Green Setting (Gmax), s		* 86			37.1	* 44		44.1
Max Q Clear Time (g_c+I1), s		20.5			24.5	13.7		29.1
Green Ext Time (p_c), s		4.3			1.8	4.2		0.8

Intersection Summary	
HCM 2010 Ctrl Delay	46.3
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
20: Qualcomm Way & EB Friar

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	60	5	130	0	0	0	0	970	300	220	730	0
Future Volume (veh/h)	60	5	130	0	0	0	0	970	300	220	730	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	67	0	53				0	1021	158	232	768	0
Adj No. of Lanes	2	0	1				0	2	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	348	0	146				0	2329	1026	279	2720	0
Arrive On Green	0.10	0.00	0.10				0.00	1.00	1.00	0.16	1.00	0.00
Sat Flow, veh/h	3548	0	1487				0	3632	1559	3442	3632	0
Grp Volume(v), veh/h	67	0	53				0	1021	158	232	768	0
Grp Sat Flow(s),veh/h/ln	1774	0	1487				0	1770	1559	1721	1770	0
Q Serve(g_s), s	2.6	0.0	5.0				0.0	0.0	0.0	9.8	0.0	0.0
Cycle Q Clear(g_c), s	2.6	0.0	5.0				0.0	0.0	0.0	9.8	0.0	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	348	0	146				0	2329	1026	279	2720	0
V/C Ratio(X)	0.19	0.00	0.36				0.00	0.44	0.15	0.83	0.28	0.00
Avail Cap(c_a), veh/h	807	0	338				0	2329	1026	748	2720	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	2.00	2.00	2.00	2.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.91	0.91	0.87	0.87	0.00
Uniform Delay (d), s/veh	62.2	0.0	63.3				0.0	0.0	0.0	61.8	0.0	0.0
Incr Delay (d2), s/veh	0.1	0.0	0.6				0.0	0.5	0.3	2.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.0	2.1				0.0	0.2	0.1	4.7	0.1	0.0
LnGrp Delay(d),s/veh	62.3	0.0	63.8				0.0	0.5	0.3	64.0	0.2	0.0
LnGrp LOS	E		E					A	A	E	A	
Approach Vol, veh/h		120						1179			1000	
Approach Delay, s/veh		63.0						0.5			15.0	
Approach LOS		E						A			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	16.6	108.8		24.6		125.4		
Change Period (Y+Rc), s	4.4	* 10		* 9.9		* 10		
Max Green Setting (Gmax), s	32.6	* 59		* 34		* 96		
Max Q Clear Time (g_c+I1), s	11.8	2.0		7.0		2.0		
Green Ext Time (p_c), s	0.4	11.2		0.2		3.4		

Intersection Summary	
HCM 2010 Ctrl Delay	10.1
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
21: River Run Drive & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	130	970	90	230	2005	220	160	60	120	30	20	40
Future Volume (veh/h)	130	970	90	230	2005	220	160	60	120	30	20	40
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	0.99		0.98	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	137	1021	55	242	2111	211	168	63	58	32	21	27
Adj No. of Lanes	1	3	1	1	3	0	0	1	1	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	150	1844	558	281	2049	202	294	91	461	101	68	56
Arrive On Green	0.08	0.36	0.36	0.16	0.44	0.44	0.30	0.30	0.30	0.30	0.30	0.30
Sat Flow, veh/h	1774	5085	1540	1774	4695	463	743	305	1551	141	229	188
Grp Volume(v), veh/h	137	1021	55	242	1517	805	231	0	58	80	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1540	1774	1695	1768	1048	0	1551	558	0	0
Q Serve(g_s), s	6.5	13.6	2.0	11.3	37.2	37.2	0.0	0.0	2.3	0.9	0.0	0.0
Cycle Q Clear(g_c), s	6.5	13.6	2.0	11.3	37.2	37.2	19.3	0.0	2.3	20.2	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.26	0.73		1.00	0.40		0.34
Lane Grp Cap(c), veh/h	150	1844	558	281	1479	772	385	0	461	225	0	0
V/C Ratio(X)	0.91	0.55	0.10	0.86	1.03	1.04	0.60	0.00	0.13	0.36	0.00	0.00
Avail Cap(c_a), veh/h	150	1844	558	431	1479	772	465	0	548	307	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	38.7	21.7	18.0	35.0	24.0	24.0	27.7	0.0	21.9	23.7	0.0	0.0
Incr Delay (d2), s/veh	48.1	1.2	0.4	7.0	30.0	44.4	1.1	0.0	0.1	1.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.2	6.5	0.9	6.1	23.4	27.5	5.1	0.0	1.0	1.4	0.0	0.0
LnGrp Delay(d),s/veh	86.8	22.9	18.3	42.0	54.0	68.4	28.8	0.0	22.0	24.9	0.0	0.0
LnGrp LOS	F	C	B	D	F	F	C		C	C		
Approach Vol, veh/h		1213			2564			289			80	
Approach Delay, s/veh		29.9			57.4			27.4			24.9	
Approach LOS		C			E			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	17.9	37.1		30.2	11.6	43.4		30.2
Change Period (Y+Rc), s	4.4	6.2		4.9	4.4	6.2		4.9
Max Green Setting (Gmax), s	20.7	23.7		30.1	7.2	37.2		30.1
Max Q Clear Time (g_c+I1), s	13.3	15.6		22.2	8.5	39.2		21.3
Green Ext Time (p_c), s	0.2	6.7		0.2	0.0	0.0		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	46.6
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
22: Fenton Parkway & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	100	790	230	250	2075	40	290	80	160	90	160	90
Future Volume (veh/h)	100	790	230	250	2075	40	290	80	160	90	160	90
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	105	832	201	263	2184	29	305	84	26	95	168	-31
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	148	2369	861	310	2608	865	289	383	316	139	300	323
Arrive On Green	0.04	0.47	0.47	0.09	0.51	0.51	0.08	0.21	0.21	0.04	0.16	0.00
Sat Flow, veh/h	3442	5085	1563	3442	5085	1565	3442	1863	1537	3548	1863	1583
Grp Volume(v), veh/h	105	832	201	263	2184	29	305	84	26	95	168	-31
Grp Sat Flow(s),veh/h/ln	1721	1695	1563	1721	1695	1565	1721	1863	1537	1774	1863	1583
Q Serve(g_s), s	4.5	15.7	10.0	11.3	55.0	1.3	12.6	5.6	2.1	4.0	12.5	0.0
Cycle Q Clear(g_c), s	4.5	15.7	10.0	11.3	55.0	1.3	12.6	5.6	2.1	4.0	12.5	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	148	2369	861	310	2608	865	289	383	316	139	300	323
V/C Ratio(X)	0.71	0.35	0.23	0.85	0.84	0.03	1.06	0.22	0.08	0.68	0.56	-0.10
Avail Cap(c_a), veh/h	174	2369	861	413	2608	865	289	566	467	213	522	511
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.85	0.85	0.85	0.48	0.48	0.48	0.92	0.92	0.92	1.00	1.00	0.00
Uniform Delay (d), s/veh	70.9	25.6	17.4	67.2	31.2	15.3	68.7	49.6	48.1	71.1	58.1	0.0
Incr Delay (d2), s/veh	6.5	0.4	0.5	4.8	1.7	0.0	66.1	0.7	0.3	2.2	7.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	7.4	4.4	5.6	26.1	0.6	8.6	3.0	0.9	2.0	7.1	0.0
LnGrp Delay(d),s/veh	77.3	25.9	18.0	72.1	32.9	15.4	134.8	50.3	48.4	73.3	65.5	0.0
LnGrp LOS	E	C	B	E	C	B	F	D	D	E	E	
Approach Vol, veh/h		1138			2476			415			232	
Approach Delay, s/veh		29.3			36.8			112.3			77.4	
Approach LOS		C			D			F			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	17.9	81.1	17.0	34.0	10.8	88.1	10.3	40.7
Change Period (Y+Rc), s	4.4	11.2	4.4	* 9.9	4.4	11.2	4.4	* 9.9
Max Green Setting (Gmax), s	18.0	47.5	12.6	* 42	7.6	57.9	9.0	* 46
Max Q Clear Time (g_c+I1), s	13.3	17.7	14.6	14.5	6.5	57.0	6.0	7.6
Green Ext Time (p_c), s	0.2	16.3	0.0	2.9	0.0	0.9	0.0	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	44.4
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
23: Northside Drive & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	830	180	470	2135	50	110	120	270	90	170	120
Future Volume (veh/h)	30	830	180	470	2135	50	110	120	270	90	170	120
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	31	865	73	490	2224	11	115	125	182	94	177	0
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	78	2209	678	492	2821	929	173	363	526	131	341	289
Arrive On Green	0.02	0.43	0.43	0.14	0.55	0.55	0.05	0.20	0.20	0.04	0.18	0.00
Sat Flow, veh/h	3442	5085	1561	3442	5085	1566	3442	1863	1535	3442	1863	1583
Grp Volume(v), veh/h	31	865	73	490	2224	11	115	125	182	94	177	0
Grp Sat Flow(s),veh/h/ln	1721	1695	1561	1721	1695	1566	1721	1863	1535	1721	1863	1583
Q Serve(g_s), s	0.9	12.2	2.9	14.9	36.3	0.3	3.4	6.1	9.4	2.8	9.0	0.0
Cycle Q Clear(g_c), s	0.9	12.2	2.9	14.9	36.3	0.3	3.4	6.1	9.4	2.8	9.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	78	2209	678	492	2821	929	173	363	526	131	341	289
V/C Ratio(X)	0.40	0.39	0.11	1.00	0.79	0.01	0.66	0.34	0.35	0.72	0.52	0.00
Avail Cap(c_a), veh/h	131	2209	678	492	2821	929	229	656	767	131	603	513
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.92	0.92	0.92	1.00	1.00	1.00	0.88	0.88	0.88	1.00	1.00	0.00
Uniform Delay (d), s/veh	50.6	20.2	17.6	45.0	18.5	8.8	49.0	36.5	26.1	49.9	38.7	0.0
Incr Delay (d2), s/veh	1.1	0.5	0.3	39.6	2.3	0.0	1.5	1.4	1.0	14.9	5.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	5.8	1.3	9.8	17.5	0.1	1.7	3.3	4.1	1.6	5.1	0.0
LnGrp Delay(d),s/veh	51.7	20.7	17.9	84.6	20.8	8.8	50.5	37.9	27.1	64.9	44.3	0.0
LnGrp LOS	D	C	B	F	C	A	D	D	C	E	D	
Approach Vol, veh/h		969			2725			422			271	
Approach Delay, s/veh		21.5			32.2			36.7			51.4	
Approach LOS		C			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	19.4	51.8	9.7	24.1	6.8	64.4	8.4	25.4
Change Period (Y+Rc), s	4.4	* 6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	15.0	* 29	7.0	34.0	4.0	40.1	4.0	37.0
Max Q Clear Time (g_c+I1), s	16.9	14.2	5.4	11.0	2.9	38.3	4.8	11.4
Green Ext Time (p_c), s	0.0	8.7	0.0	3.3	0.0	1.7	0.0	3.4

Intersection Summary	
HCM 2010 Ctrl Delay	31.5
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
24: MissioN Village Drive & Friar Road WB

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	340	20	350	570	570	0	0	400	240
Future Volume (veh/h)	0	0	0	340	20	350	570	570	0	0	400	240
Number				3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		0.94
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				358	21	0	600	600	0	0	421	74
Adj No. of Lanes				0	1	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				444	26	418	634	2079	0	0	579	243
Arrive On Green				0.26	0.26	0.00	0.36	0.59	0.00	0.00	0.16	0.16
Sat Flow, veh/h				1680	99	1583	1774	3632	0	0	3632	1487
Grp Volume(v), veh/h				379	0	0	600	600	0	0	421	74
Grp Sat Flow(s),veh/h/ln				1779	0	1583	1774	1770	0	0	1770	1487
Q Serve(g_s), s				16.0	0.0	0.0	26.3	6.7	0.0	0.0	9.0	3.5
Cycle Q Clear(g_c), s				16.0	0.0	0.0	26.3	6.7	0.0	0.0	9.0	3.5
Prop In Lane				0.94		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				470	0	418	634	2079	0	0	579	243
V/C Ratio(X)				0.81	0.00	0.00	0.95	0.29	0.00	0.00	0.73	0.30
Avail Cap(c_a), veh/h				644	0	573	680	2390	0	0	800	336
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				27.6	0.0	0.0	25.0	8.2	0.0	0.0	31.8	29.5
Incr Delay (d2), s/veh				3.7	0.0	0.0	20.9	0.1	0.0	0.0	2.6	0.9
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				8.3	0.0	0.0	16.5	3.3	0.0	0.0	4.7	1.5
LnGrp Delay(d),s/veh				31.3	0.0	0.0	45.9	8.3	0.0	0.0	34.4	30.4
LnGrp LOS				C			D	A			C	C
Approach Vol, veh/h					379			1200			495	
Approach Delay, s/veh					31.3			27.1			33.8	
Approach LOS					C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	34.0	20.1				54.1		26.1
Change Period (Y+Rc), s	5.3	7.0				7.0		4.9
Max Green Setting (Gmax), s	30.7	18.1				54.1		29.0
Max Q Clear Time (g_c+I1), s	28.3	11.0				8.7		18.0
Green Ext Time (p_c), s	0.3	2.1				6.2		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	29.5
HCM 2010 LOS	C

HCM 2010 Signalized Intersection Summary
25: MissioN Village Drive & Friar Road eb

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	180	5	280	0	0	0	0	960	550	290	450	0
Future Volume (veh/h)	180	5	280	0	0	0	0	960	550	290	450	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	189	5	295				0	1011	511	305	474	0
Adj No. of Lanes	0	1	1				0	1	1	1	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	277	7	244				0	944	787	302	602	0
Arrive On Green	0.16	0.16	0.16				0.00	0.51	0.51	0.17	0.17	0.00
Sat Flow, veh/h	1730	46	1524				0	1863	1552	1774	3632	0
Grp Volume(v), veh/h	194	0	295				0	1011	511	305	474	0
Grp Sat Flow(s),veh/h/ln	1776	0	1524				0	1863	1552	1774	1770	0
Q Serve(g_s), s	10.3	0.0	16.0				0.0	50.7	24.2	17.0	12.8	0.0
Cycle Q Clear(g_c), s	10.3	0.0	16.0				0.0	50.7	24.2	17.0	12.8	0.0
Prop In Lane	0.97		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	284	0	244				0	944	787	302	602	0
V/C Ratio(X)	0.68	0.00	1.21				0.00	1.07	0.65	1.01	0.79	0.00
Avail Cap(c_a), veh/h	284	0	244				0	944	787	302	602	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	39.6	0.0	42.0				0.0	24.7	18.1	41.5	39.8	0.0
Incr Delay (d2), s/veh	6.5	0.0	126.3				0.0	50.1	4.1	54.7	6.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.1	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.6	0.0	15.3				0.0	38.8	11.3	12.9	6.8	0.0
LnGrp Delay(d),s/veh	46.2	0.0	168.3				0.0	74.7	22.2	96.3	46.7	0.0
LnGrp LOS	D		F					F	C	F	D	
Approach Vol, veh/h		489						1522			779	
Approach Delay, s/veh		119.8						57.1			66.1	
Approach LOS		F						E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		55.6		21.2		23.2		
Change Period (Y+Rc), s		4.9		5.2		6.2		
Max Green Setting (Gmax), s		50.7		16.0		17.0		
Max Q Clear Time (g_c+I1), s		52.7		18.0		19.0		
Green Ext Time (p_c), s		0.0		0.0		0.0		

Intersection Summary	
HCM 2010 Ctrl Delay	70.6
HCM 2010 LOS	E

HCM 2010 Signalized Intersection Summary
26: I-15 SB Ramps & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	420	720	430	410	1795	520	0	0	0	850	0	740
Future Volume (veh/h)	420	720	430	410	1795	520	0	0	0	850	0	740
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863				1863	1863	1863
Adj Flow Rate, veh/h	433	742	422	423	1851	0				876	0	763
Adj No. of Lanes	1	3	1	1	3	1				3	0	2
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97				0.97	0.95	0.97
Percent Heavy Veh, %	2	2	2	2	2	2				2	2	2
Cap, veh/h	541	2210	672	450	1839	572				992	0	1538
Arrive On Green	0.31	0.43	0.43	0.08	0.12	0.00				0.19	0.00	0.19
Sat Flow, veh/h	1774	5085	1547	1774	5085	1583				5322	0	3065
Grp Volume(v), veh/h	433	742	422	423	1851	0				876	0	763
Grp Sat Flow(s),veh/h/ln	1774	1695	1547	1774	1695	1583				1774	0	1532
Q Serve(g_s), s	29.2	12.6	27.6	30.8	47.0	0.0				20.8	0.0	0.0
Cycle Q Clear(g_c), s	29.2	12.6	27.6	30.8	47.0	0.0				20.8	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	541	2210	672	450	1839	572				992	0	1538
V/C Ratio(X)	0.80	0.34	0.63	0.94	1.01	0.00				0.88	0.00	0.50
Avail Cap(c_a), veh/h	541	2210	672	611	1839	572				1429	0	1789
HCM Platoon Ratio	1.00	1.00	1.00	0.33	0.33	0.33				1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.09	0.09	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	41.5	24.3	28.6	58.6	57.2	0.0				51.5	0.0	22.1
Incr Delay (d2), s/veh	7.7	0.4	4.4	2.3	8.0	0.0				3.7	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.5	5.9	12.5	15.4	23.4	0.0				10.6	0.0	13.7
LnGrp Delay(d),s/veh	49.3	24.7	33.0	60.9	65.3	0.0				55.2	0.0	22.2
LnGrp LOS	D	C	C	E	F					E		C
Approach Vol, veh/h		1597			2274						1639	
Approach Delay, s/veh		33.6			64.4						39.8	
Approach LOS		C			E						D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		
Phs Duration (G+Y+Rc), s	37.2	63.5		29.3	46.7	54.0		
Change Period (Y+Rc), s	* 4.2	7.0		5.1	7.0	* 7		
Max Green Setting (Gmax), s	* 45	34.0		34.9	31.3	* 47		
Max Q Clear Time (g_c+I1), s	32.8	29.6		22.8	31.2	49.0		
Green Ext Time (p_c), s	0.1	1.8		1.4	0.0	0.0		

Intersection Summary	
HCM 2010 Ctrl Delay	48.2
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
27: I-15 NB Ramps & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	640	930	0	0	2120	1170	0	0	390	0	0	605
Future Volume (veh/h)	640	930	0	0	2120	1170	0	0	390	0	0	605
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	1900	0	1863	1900
Adj Flow Rate, veh/h	674	979	0	0	2232	0	0	0	0	0	0	0
Adj No. of Lanes	1	3	0	0	3	1	0	1	0	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	2	0	2	2
Cap, veh/h	484	4851	0	0	3611	1023	0	1	0	0	1	0
Arrive On Green	0.18	0.64	0.00	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	1774	5253	0	0	5588	1583	0	-74510	0	0	-74510	0
Grp Volume(v), veh/h	674	979	0	0	2232	0	0	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	0	0	1863	1583	0	1863	0	0	1863	0
Q Serve(g_s), s	35.5	10.4	0.0	0.0	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	35.5	10.4	0.0	0.0	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	0.00		0.00
Lane Grp Cap(c), veh/h	484	4851	0	0	3611	1023	0	1	0	0	1	0
V/C Ratio(X)	1.39	0.20	0.00	0.00	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	484	4851	0	0	3611	1023	0	258	0	0	258	0
HCM Platoon Ratio	0.67	0.67	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.58	0.58	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	53.1	3.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	183.5	0.1	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	42.1	4.9	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh	236.6	3.0	0.0	0.0	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	F	A			B							
Approach Vol, veh/h		1653			2232			0			0	
Approach Delay, s/veh		98.2			14.1			0.0			0.0	
Approach LOS		F			B							

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		130.0		0.0	40.0	90.0		0.0
Change Period (Y+Rc), s		* 6		4.0	4.5	6.0		4.0
Max Green Setting (Gmax), s		* 1E2		18.0	35.5	62.0		18.0
Max Q Clear Time (g_c+I1), s		12.4		0.0	37.5	32.6		0.0
Green Ext Time (p_c), s		2.1		0.0	0.0	13.8		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	49.9
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
28: Rancho Mission Road & Friar Roads

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	980	340	220	2610	580	350
Future Volume (veh/h)	980	340	220	2610	580	350
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.98	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	1032	195	232	2747	627	314
Adj No. of Lanes	3	1	1	4	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2618	1148	259	4450	781	349
Arrive On Green	0.34	0.34	0.15	0.69	0.22	0.22
Sat Flow, veh/h	5253	1553	1774	6669	3548	1583
Grp Volume(v), veh/h	1032	195	232	2747	627	314
Grp Sat Flow(s),veh/h/ln	1695	1553	1774	1602	1774	1583
Q Serve(g_s), s	20.0	6.4	16.7	29.8	21.8	25.1
Cycle Q Clear(g_c), s	20.0	6.4	16.7	29.8	21.8	25.1
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	2618	1148	259	4450	781	349
V/C Ratio(X)	0.39	0.17	0.90	0.62	0.80	0.90
Avail Cap(c_a), veh/h	2618	1148	445	4450	1062	474
HCM Platoon Ratio	0.67	0.67	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.98	0.98	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.2	7.3	54.6	10.6	48.0	49.3
Incr Delay (d2), s/veh	0.4	0.3	6.4	0.6	2.3	13.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.5	5.1	8.6	13.2	10.9	12.3
LnGrp Delay(d),s/veh	27.6	7.6	61.0	11.3	50.3	63.0
LnGrp LOS	C	A	E	B	D	E
Approach Vol, veh/h	1227			2979	941	
Approach Delay, s/veh	24.5			15.1	54.5	
Approach LOS	C			B	D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	23.3	72.9				96.3		33.7
Change Period (Y+Rc), s	4.4	* 6				6.0		5.1
Max Green Setting (Gmax), s	32.6	* 43				80.0		38.9
Max Q Clear Time (g_c+I1), s	18.7	22.0				31.8		27.1
Green Ext Time (p_c), s	0.2	10.4				46.0		1.5

Intersection Summary	
HCM 2010 Ctrl Delay	24.6
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
29: Friar Roads & Santo Road



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	340	990	2420	340	130	410
Future Volume (veh/h)	340	990	2420	340	130	410
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	351	1021	2495	313	134	415
Adj No. of Lanes	2	3	4	0	2	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1188	4346	2697	334	212	644
Arrive On Green	0.35	0.85	0.62	0.62	0.06	0.06
Sat Flow, veh/h	3442	5253	6065	719	3442	1583
Grp Volume(v), veh/h	351	1021	2060	748	134	415
Grp Sat Flow(s),veh/h/ln	1721	1695	1602	1717	1721	1583
Q Serve(g_s), s	9.7	4.8	49.5	51.4	4.9	0.0
Cycle Q Clear(g_c), s	9.7	4.8	49.5	51.4	4.9	0.0
Prop In Lane	1.00			0.42	1.00	1.00
Lane Grp Cap(c), veh/h	1188	4346	2233	798	212	644
V/C Ratio(X)	0.30	0.23	0.92	0.94	0.63	0.64
Avail Cap(c_a), veh/h	1188	4346	2248	803	1032	1022
HCM Platoon Ratio	1.00	1.00	1.33	1.33	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.32	0.32	1.00	1.00
Uniform Delay (d), s/veh	31.0	1.7	22.8	23.1	59.6	31.0
Incr Delay (d2), s/veh	0.1	0.1	2.8	8.3	1.2	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.6	2.2	22.1	25.8	2.4	14.9
LnGrp Delay(d),s/veh	31.1	1.8	25.6	31.4	60.7	31.4
LnGrp LOS	C	A	C	C	E	C
Approach Vol, veh/h		1372	2808		549	
Approach Delay, s/veh		9.3	27.1		38.6	
Approach LOS		A	C		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		117.6		12.4	51.4	66.2		
Change Period (Y+Rc), s		6.5		4.4	6.5	* 5.8		
Max Green Setting (Gmax), s		80.1		39.0	15.6	* 61		
Max Q Clear Time (g_c+I1), s		6.8		6.9	11.7	53.4		
Green Ext Time (p_c), s		9.5		1.1	0.3	7.0		

Intersection Summary	
HCM 2010 Ctrl Delay	23.3
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
30: Riverdale Street & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	130	750	190	180	2260	230	110	50	40	80	40	190
Future Volume (veh/h)	130	750	190	180	2260	230	110	50	40	80	40	190
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	0.99		0.98	0.98		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	137	789	32	189	2379	221	116	53	16	84	42	168
Adj No. of Lanes	1	3	1	1	3	0	1	1	0	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	158	2607	796	215	2579	235	212	340	103	340	80	319
Arrive On Green	0.18	1.00	1.00	0.12	0.54	0.54	0.25	0.25	0.25	0.25	0.25	0.25
Sat Flow, veh/h	1774	5085	1552	1774	4736	431	1151	1366	412	1299	320	1280
Grp Volume(v), veh/h	137	789	32	189	1689	911	116	0	69	84	0	210
Grp Sat Flow(s),veh/h/ln	1774	1695	1552	1774	1695	1777	1151	0	1778	1299	0	1600
Q Serve(g_s), s	9.8	0.0	0.0	13.6	58.8	62.3	12.6	0.0	3.9	7.0	0.0	14.7
Cycle Q Clear(g_c), s	9.8	0.0	0.0	13.6	58.8	62.3	27.3	0.0	3.9	11.0	0.0	14.7
Prop In Lane	1.00		1.00	1.00		0.24	1.00		0.23	1.00		0.80
Lane Grp Cap(c), veh/h	158	2607	796	215	1846	968	212	0	443	340	0	399
V/C Ratio(X)	0.87	0.30	0.04	0.88	0.91	0.94	0.55	0.00	0.16	0.25	0.00	0.53
Avail Cap(c_a), veh/h	158	2607	796	317	1846	968	236	0	480	367	0	432
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.97	0.97	0.97	0.47	0.47	0.47	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	52.6	0.0	0.0	56.2	26.9	27.7	54.0	0.0	38.1	42.4	0.0	42.2
Incr Delay (d2), s/veh	34.2	0.3	0.1	6.7	4.4	10.2	0.8	0.0	0.1	0.1	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.2	0.1	0.0	7.1	28.6	33.1	4.0	0.0	1.9	2.5	0.0	6.6
LnGrp Delay(d),s/veh	86.8	0.3	0.1	62.9	31.3	37.8	54.8	0.0	38.2	42.5	0.0	42.6
LnGrp LOS	F	A	A	E	C	D	D		D	D		D
Approach Vol, veh/h		958			2789			185			294	
Approach Delay, s/veh		12.7			35.6			48.6			42.6	
Approach LOS		B			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	20.1	72.6		37.3	16.0	76.7		37.3
Change Period (Y+Rc), s	4.4	* 5.9		4.9	4.4	5.9		4.9
Max Green Setting (Gmax), s	23.2	* 57		35.1	11.6	68.1		35.1
Max Q Clear Time (g_c+I1), s	15.6	2.0		16.7	11.8	64.3		29.3
Green Ext Time (p_c), s	0.1	7.7		1.0	0.0	3.6		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	31.4
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
31: Mission Gorge Road & Friar Roads

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	640	230	450	0	360	290
Future Volume (veh/h)	640	230	450	0	360	290
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	674	0	474	0	379	197
Adj No. of Lanes	3	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	0	2	2
Cap, veh/h	954	297	1596	0	403	1925
Arrive On Green	0.19	0.00	0.46	0.00	0.23	0.23
Sat Flow, veh/h	5253	1583	3442	474	1774	2787
Grp Volume(v), veh/h	674	0	474	20.1	379	197
Grp Sat Flow(s),veh/h/ln	1695	1583	1721	C	1774	1393
Q Serve(g_s), s	14.9	0.0	10.3		25.2	0.0
Cycle Q Clear(g_c), s	14.9	0.0	10.3		25.2	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	954	297	1596		403	1925
V/C Ratio(X)	0.71	0.00	0.30		0.94	0.10
Avail Cap(c_a), veh/h	1661	517	1596		408	1933
HCM Platoon Ratio	1.00	1.00	1.00		1.00	1.00
Upstream Filter(I)	0.97	0.00	1.00		1.00	1.00
Uniform Delay (d), s/veh	45.7	0.0	20.0		45.6	6.2
Incr Delay (d2), s/veh	4.3	0.0	0.0		29.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0
%ile BackOfQ(50%),veh/ln	7.4	0.0	4.9		15.6	1.1
LnGrp Delay(d),s/veh	49.9	0.0	20.1		74.9	6.2
LnGrp LOS	D		C		E	A
Approach Vol, veh/h	674				576	
Approach Delay, s/veh	49.9				51.4	
Approach LOS	D				D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2						8
Phs Duration (G+Y+Rc), s	60.0	28.3						31.7
Change Period (Y+Rc), s	4.4	5.8						4.4
Max Green Setting (Gmax), s	38.6	39.2						27.6
Max Q Clear Time (g_c+I1), s	12.3	16.9						27.2
Green Ext Time (p_c), s	0.8	4.6						0.1

Intersection Summary	
HCM 2010 Ctrl Delay	42.2
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
32: Mission Center Road & Mission Center Ct

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	40	70	130	40	100	100	600	60	80	660	80
Future Volume (veh/h)	40	40	70	130	40	100	100	600	60	80	660	80
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.83	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	42	42	63	137	42	84	105	632	52	84	695	73
Adj No. of Lanes	0	1	1	0	1	1	1	2	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	78	66	328	223	54	280	128	1955	859	105	1909	838
Arrive On Green	0.21	0.21	0.21	0.21	0.21	0.21	0.07	0.55	0.55	0.06	0.54	0.54
Sat Flow, veh/h	186	311	1539	833	255	1316	1774	3539	1555	1774	3539	1554
Grp Volume(v), veh/h	84	0	63	179	0	84	105	632	52	84	695	73
Grp Sat Flow(s),veh/h/ln	498	0	1539	1088	0	1316	1774	1770	1555	1774	1770	1554
Q Serve(g_s), s	5.2	0.0	4.7	0.0	0.0	7.5	8.2	13.6	2.2	6.5	15.8	3.2
Cycle Q Clear(g_c), s	27.6	0.0	4.7	22.4	0.0	7.5	8.2	13.6	2.2	6.5	15.8	3.2
Prop In Lane	0.50		1.00	0.77		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	145	0	328	277	0	280	128	1955	859	105	1909	838
V/C Ratio(X)	0.58	0.00	0.19	0.65	0.00	0.30	0.82	0.32	0.06	0.80	0.36	0.09
Avail Cap(c_a), veh/h	244	0	430	373	0	367	261	1955	859	223	1909	838
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.93	0.93	0.93	0.95	0.95	0.95
Uniform Delay (d), s/veh	57.7	0.0	45.2	52.2	0.0	46.3	64.1	17.1	14.5	65.1	18.5	15.6
Incr Delay (d2), s/veh	1.4	0.0	0.1	0.9	0.0	0.2	4.6	0.4	0.1	5.0	0.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	0.0	2.0	6.6	0.0	2.8	4.2	6.8	1.0	3.4	7.9	1.4
LnGrp Delay(d),s/veh	59.0	0.0	45.3	53.1	0.0	46.5	68.7	17.5	14.6	70.1	19.0	15.8
LnGrp LOS	E		D	D		D	E	B	B	E	B	B
Approach Vol, veh/h		147			263			789			852	
Approach Delay, s/veh		53.2			51.0			24.1			23.8	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.7	87.6		39.7	14.5	85.8		39.7
Change Period (Y+Rc), s	4.4	10.3		* 9.9	4.4	10.3		* 9.9
Max Green Setting (Gmax), s	17.6	58.7		* 39	20.6	55.7		* 39
Max Q Clear Time (g_c+I1), s	8.5	15.6		29.6	10.2	17.8		24.4
Green Ext Time (p_c), s	0.1	3.9		0.2	0.1	7.9		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	29.5
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
33: Qualcomm Way & Rio San Diego Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	110	20	160	220	60	90	130	1070	640	90	590	180
Future Volume (veh/h)	110	20	160	220	60	90	130	1070	640	90	590	180
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.96	1.00		0.98	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	116	21	89	232	63	16	137	1126	227	95	621	136
Adj No. of Lanes	2	1	1	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	160	215	257	279	531	228	183	2893	885	137	2826	870
Arrive On Green	0.05	0.12	0.12	0.08	0.15	0.15	0.04	0.38	0.38	0.05	0.74	0.74
Sat Flow, veh/h	3442	1863	1501	3442	3539	1520	3442	5085	1555	3442	5085	1566
Grp Volume(v), veh/h	116	21	89	232	63	16	137	1126	227	95	621	136
Grp Sat Flow(s),veh/h/ln	1721	1863	1501	1721	1770	1520	1721	1695	1555	1721	1695	1566
Q Serve(g_s), s	5.0	1.5	7.9	10.0	2.3	1.4	5.9	24.1	15.0	4.1	5.7	3.8
Cycle Q Clear(g_c), s	5.0	1.5	7.9	10.0	2.3	1.4	5.9	24.1	15.0	4.1	5.7	3.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	160	215	257	279	531	228	183	2893	885	137	2826	870
V/C Ratio(X)	0.72	0.10	0.35	0.83	0.12	0.07	0.75	0.39	0.26	0.69	0.22	0.16
Avail Cap(c_a), veh/h	243	394	401	404	913	392	266	2893	885	197	2826	870
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.67	0.67	0.67	1.33	1.33	1.33
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.55	0.55	0.55	0.96	0.96	0.96
Uniform Delay (d), s/veh	70.6	59.3	55.1	67.9	55.2	54.8	71.4	27.5	24.7	70.1	9.4	9.2
Incr Delay (d2), s/veh	2.3	0.2	0.8	6.4	0.1	0.1	1.7	0.2	0.4	2.2	0.2	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	0.8	3.3	5.0	1.1	0.6	2.9	11.4	6.5	2.0	2.7	1.7
LnGrp Delay(d),s/veh	72.9	59.5	55.9	74.3	55.3	54.9	73.1	27.7	25.0	72.4	9.6	9.6
LnGrp LOS	E	E	E	E	E	D	E	C	C	E	A	A
Approach Vol, veh/h		226			311			1490			852	
Approach Delay, s/veh		65.0			69.4			31.5			16.6	
Approach LOS		E			E			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.4	95.4	16.6	27.6	12.4	93.5	11.4	32.8
Change Period (Y+Rc), s	4.4	* 10	4.4	10.3	4.4	* 10	4.4	10.3
Max Green Setting (Gmax), s	8.6	* 63	17.6	31.7	11.6	* 60	10.6	38.7
Max Q Clear Time (g_c+I1), s	6.1	26.1	12.0	9.9	7.9	7.7	7.0	4.3
Green Ext Time (p_c), s	0.0	15.0	0.2	0.3	0.1	8.9	0.1	0.4

Intersection Summary	
HCM 2010 Ctrl Delay	33.8
HCM 2010 LOS	C

Notes

Intersection	
Intersection Delay, s/veh	12.5
Intersection LOS	B

Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	485	631	63	316
Demand Flow Rate, veh/h	494	643	63	323
Vehicles Circulating, veh/h	161	160	580	514
Vehicles Exiting, veh/h	676	483	75	289
Follow-Up Headway, s	3.186	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	20	20	20	20
Ped Cap Adj	0.997	0.997	0.997	0.997
Approach Delay, s/veh	10.4	14.6	6.9	12.8
Approach LOS	B	B	A	B

Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193	5.193
Entry Flow, veh/h	494	643	63	323
Cap Entry Lane, veh/h	962	963	633	676
Entry HV Adj Factor	0.981	0.981	0.993	0.979
Flow Entry, veh/h	485	631	63	316
Cap Entry, veh/h	941	942	627	660
V/C Ratio	0.515	0.670	0.100	0.479
Control Delay, s/veh	10.4	14.6	6.9	12.8
LOS	B	B	A	B
95th %tile Queue, veh	3	5	0	3

HCM 2010 Signalized Intersection Summary
35: Fenton Parkway & Rio San Diego Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	110	110	270	120	160	90	260	330	90	150	310	180
Future Volume (veh/h)	110	110	270	120	160	90	260	330	90	150	310	180
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	1.00		0.97	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	116	116	262	126	168	48	274	347	93	158	326	84
Adj No. of Lanes	1	1	1	1	1	0	1	2	1	2	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	148	397	328	159	298	85	310	1041	450	232	661	280
Arrive On Green	0.08	0.21	0.21	0.09	0.22	0.22	0.17	0.29	0.29	0.07	0.19	0.19
Sat Flow, veh/h	1774	1863	1539	1774	1379	394	1774	3539	1529	3442	3539	1499
Grp Volume(v), veh/h	116	116	262	126	0	216	274	347	93	158	326	84
Grp Sat Flow(s),veh/h/ln	1774	1863	1539	1774	0	1773	1774	1770	1529	1721	1770	1499
Q Serve(g_s), s	5.7	4.7	14.4	6.2	0.0	9.7	13.4	6.8	4.1	4.0	7.3	4.3
Cycle Q Clear(g_c), s	5.7	4.7	14.4	6.2	0.0	9.7	13.4	6.8	4.1	4.0	7.3	4.3
Prop In Lane	1.00		1.00	1.00		0.22	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	148	397	328	159	0	383	310	1041	450	232	661	280
V/C Ratio(X)	0.78	0.29	0.80	0.79	0.00	0.56	0.88	0.33	0.21	0.68	0.49	0.30
Avail Cap(c_a), veh/h	697	628	519	697	0	598	371	1340	579	445	1054	446
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	40.0	29.4	33.2	39.7	0.0	31.2	35.9	24.6	23.6	40.6	32.4	31.2
Incr Delay (d2), s/veh	5.5	0.2	3.0	3.4	0.0	0.5	17.3	0.9	1.0	1.3	2.6	2.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.0	2.4	6.4	3.2	0.0	4.8	8.0	3.5	1.9	2.0	3.8	2.0
LnGrp Delay(d),s/veh	45.5	29.6	36.2	43.1	0.0	31.7	53.2	25.5	24.7	41.9	35.0	33.9
LnGrp LOS	D	C	D	D		C	D	C	C	D	D	C
Approach Vol, veh/h		494			342			714			568	
Approach Delay, s/veh		36.8			35.9			36.0			36.8	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.4	36.6	12.9	29.2	19.9	27.0	12.6	29.4
Change Period (Y+Rc), s	4.4	* 10	4.9	10.2	4.4	* 10	5.2	* 10
Max Green Setting (Gmax), s	11.5	* 34	35.0	30.0	18.6	* 27	35.0	* 30
Max Q Clear Time (g_c+I1), s	6.0	8.8	8.2	16.4	15.4	9.3	7.7	11.7
Green Ext Time (p_c), s	0.1	8.0	0.1	0.9	0.1	6.0	0.2	0.7

Intersection Summary	
HCM 2010 Ctrl Delay	36.4
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
36: Northside Drive & Rio San Diego Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	320	70	20	30	20	60	60	120	20	350	120	70
Future Volume (veh/h)	320	70	20	30	20	60	60	120	20	350	120	70
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.95	1.00		0.92	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	216	243	21	32	21	47	63	126	16	368	126	21
Adj No. of Lanes	1	1	0	0	1	1	1	2	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	392	372	32	132	87	182	80	462	191	416	596	847
Arrive On Green	0.22	0.22	0.22	0.12	0.12	0.12	0.05	0.13	0.13	0.23	0.32	0.32
Sat Flow, veh/h	1774	1683	145	1092	716	1505	1774	3539	1462	1774	1863	1554
Grp Volume(v), veh/h	216	0	264	53	0	47	63	126	16	368	126	21
Grp Sat Flow(s),veh/h/ln	1774	0	1829	1808	0	1505	1774	1770	1462	1774	1863	1554
Q Serve(g_s), s	7.0	0.0	8.6	1.7	0.0	1.8	2.3	2.1	0.6	13.1	3.2	0.4
Cycle Q Clear(g_c), s	7.0	0.0	8.6	1.7	0.0	1.8	2.3	2.1	0.6	13.1	3.2	0.4
Prop In Lane	1.00		0.08	0.60		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	392	0	404	219	0	182	80	462	191	416	596	847
V/C Ratio(X)	0.55	0.00	0.65	0.24	0.00	0.26	0.79	0.27	0.08	0.88	0.21	0.02
Avail Cap(c_a), veh/h	762	0	785	832	0	692	261	1048	433	506	809	1024
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	22.5	0.0	23.1	26.0	0.0	26.0	30.8	25.5	24.9	24.1	16.2	7.0
Incr Delay (d2), s/veh	0.5	0.0	0.7	0.2	0.0	0.3	6.3	0.1	0.1	13.2	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	0.0	4.4	0.9	0.0	0.8	1.3	1.0	0.3	7.9	1.7	0.3
LnGrp Delay(d),s/veh	23.0	0.0	23.8	26.2	0.0	26.3	37.1	25.7	25.0	37.3	16.6	7.0
LnGrp LOS	C		C	C		C	D	C	C	D	B	A
Approach Vol, veh/h		480			100			205			515	
Approach Delay, s/veh		23.4			26.2			29.1			31.0	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	19.7	13.4		19.3	7.3	25.8		12.8
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	18.6	19.3		28.0	9.6	28.3		30.0
Max Q Clear Time (g_c+I1), s	15.1	4.1		10.6	4.3	5.2		3.8
Green Ext Time (p_c), s	0.2	0.4		1.1	0.0	1.5		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	27.5
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
37: Rancho Mission Road & San Diego Mission Road

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	120	210	160	170	450	160	290	270	100	200	240	120
Future Volume (veh/h)	120	210	160	170	450	160	290	270	100	200	240	120
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	126	221	89	179	474	42	305	284	54	211	253	48
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	158	417	162	214	710	302	341	436	362	247	338	278
Arrive On Green	0.09	0.17	0.17	0.12	0.20	0.20	0.19	0.23	0.23	0.14	0.18	0.18
Sat Flow, veh/h	1774	2466	956	1774	3539	1504	1774	1863	1543	1774	1863	1531
Grp Volume(v), veh/h	126	156	154	179	474	42	305	284	54	211	253	48
Grp Sat Flow(s),veh/h/ln	1774	1770	1653	1774	1770	1504	1774	1863	1543	1774	1863	1531
Q Serve(g_s), s	5.9	6.8	7.3	8.4	10.5	2.0	14.3	11.7	2.4	9.9	10.9	2.3
Cycle Q Clear(g_c), s	5.9	6.8	7.3	8.4	10.5	2.0	14.3	11.7	2.4	9.9	10.9	2.3
Prop In Lane	1.00		0.58	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	158	299	280	214	710	302	341	436	362	247	338	278
V/C Ratio(X)	0.80	0.52	0.55	0.84	0.67	0.14	0.89	0.65	0.15	0.85	0.75	0.17
Avail Cap(c_a), veh/h	313	633	591	230	1107	471	376	684	566	292	592	486
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.0	32.2	32.4	36.6	31.4	28.0	33.5	29.4	25.8	35.7	32.9	29.4
Incr Delay (d2), s/veh	3.4	2.1	2.6	20.1	1.8	0.3	20.5	0.6	0.1	16.5	1.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	3.5	3.5	5.3	5.3	0.8	8.9	6.1	1.0	5.9	5.7	1.0
LnGrp Delay(d),s/veh	41.4	34.3	34.9	56.7	33.2	28.3	54.0	30.0	25.9	52.2	34.2	29.5
LnGrp LOS	D	C	C	E	C	C	D	C	C	D	C	C
Approach Vol, veh/h		436			695			643			512	
Approach Delay, s/veh		36.6			38.9			41.0			41.2	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.3	24.9	20.3	25.5	11.6	27.5	15.9	30.0
Change Period (Y+Rc), s	4.0	10.5	4.0	* 10	4.0	* 11	4.0	* 10
Max Green Setting (Gmax), s	11.0	30.4	18.0	* 27	15.0	* 27	14.0	* 31
Max Q Clear Time (g_c+I1), s	10.4	9.3	16.3	12.9	7.9	12.5	11.9	13.7
Green Ext Time (p_c), s	0.0	2.5	0.1	0.7	0.1	4.0	0.1	0.9

Intersection Summary	
HCM 2010 Ctrl Delay	39.6
HCM 2010 LOS	D

Notes

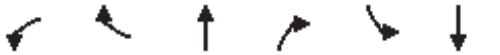
HCM 2010 Signalized Intersection Summary
38: Mission Center Road & Harzard Center Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	20	210	30	20	20	300	600	80	40	490	150
Future Volume (veh/h)	90	20	210	30	20	20	300	600	80	40	490	150
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	1.00		0.90	1.00		0.95	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	110	0	79	32	21	18	316	632	15	42	516	142
Adj No. of Lanes	2	0	1	0	1	1	2	2	1	1	3	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	493	0	408	49	32	64	435	1273	541	58	1054	281
Arrive On Green	0.14	0.00	0.14	0.04	0.04	0.04	0.13	0.36	0.36	0.03	0.27	0.27
Sat Flow, veh/h	3548	0	1495	1092	716	1431	3442	3539	1505	1774	3965	1056
Grp Volume(v), veh/h	110	0	79	53	0	18	316	632	15	42	439	219
Grp Sat Flow(s),veh/h/ln	1774	0	1495	1808	0	1431	1721	1770	1505	1774	1695	1631
Q Serve(g_s), s	1.8	0.0	2.6	1.9	0.0	0.8	5.7	8.9	0.4	1.5	7.0	7.3
Cycle Q Clear(g_c), s	1.8	0.0	2.6	1.9	0.0	0.8	5.7	8.9	0.4	1.5	7.0	7.3
Prop In Lane	1.00		1.00	0.60		1.00	1.00		1.00	1.00		0.65
Lane Grp Cap(c), veh/h	493	0	408	81	0	64	435	1273	541	58	901	434
V/C Ratio(X)	0.22	0.00	0.19	0.65	0.00	0.28	0.73	0.50	0.03	0.72	0.49	0.51
Avail Cap(c_a), veh/h	1604	0	876	310	0	245	1126	2686	1143	249	1680	809
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.5	0.0	18.3	30.2	0.0	29.6	27.0	16.0	13.3	30.7	19.9	20.0
Incr Delay (d2), s/veh	0.3	0.0	0.3	3.3	0.0	0.9	0.9	0.6	0.0	6.1	0.8	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	1.1	1.0	0.0	0.3	2.7	4.4	0.2	0.8	3.4	3.5
LnGrp Delay(d),s/veh	24.8	0.0	18.6	33.5	0.0	30.5	27.8	16.6	13.3	36.8	20.6	21.7
LnGrp LOS	C		B	C		C	C	B	B	D	C	C
Approach Vol, veh/h		189			71			963			700	
Approach Delay, s/veh		22.2			32.7			20.2			21.9	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.1	33.3		17.9	12.1	27.3		6.9
Change Period (Y+Rc), s	4.0	* 10		9.0	4.0	10.2		4.0
Max Green Setting (Gmax), s	9.0	* 49		29.0	21.0	31.8		11.0
Max Q Clear Time (g_c+I1), s	3.5	10.9		4.6	7.7	9.3		3.9
Green Ext Time (p_c), s	0.0	8.6		0.9	0.5	7.0		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	21.5
HCM 2010 LOS	C

Notes



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	610	310	150	250	90	120
Future Volume (veh/h)	610	310	150	250	90	120
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.95	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	642	21	158	42	95	126
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	760	785	369	298	120	670
Arrive On Green	0.43	0.43	0.20	0.20	0.07	0.36
Sat Flow, veh/h	1774	1583	1863	1503	1774	1863
Grp Volume(v), veh/h	642	21	158	42	95	126
Grp Sat Flow(s),veh/h/ln	1774	1583	1863	1503	1774	1863
Q Serve(g_s), s	13.8	0.3	3.2	1.0	2.2	2.0
Cycle Q Clear(g_c), s	13.8	0.3	3.2	1.0	2.2	2.0
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	760	785	369	298	120	670
V/C Ratio(X)	0.84	0.03	0.43	0.14	0.79	0.19
Avail Cap(c_a), veh/h	2235	2102	812	655	209	1207
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.9	5.5	14.9	14.0	19.5	9.3
Incr Delay (d2), s/veh	2.7	0.0	0.8	0.2	11.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.2	0.1	1.7	0.4	1.5	1.0
LnGrp Delay(d),s/veh	13.6	5.5	15.7	14.3	30.6	9.5
LnGrp LOS	B	A	B	B	C	A
Approach Vol, veh/h	663		200			221
Approach Delay, s/veh	13.3		15.4			18.6
Approach LOS	B		B			B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	6.9	12.9				19.8		22.7
Change Period (Y+Rc), s	4.0	4.5				4.5		4.5
Max Green Setting (Gmax), s	5.0	18.5				27.5		53.5
Max Q Clear Time (g_c+I1), s	4.2	5.2				4.0		15.8
Green Ext Time (p_c), s	0.0	0.8				0.6		2.4

Intersection Summary	
HCM 2010 Ctrl Delay	14.8
HCM 2010 LOS	B

HCM 2010 Signalized Intersection Summary
40: Mission Center Road & Camino De La Reina

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	90	70	130	390	250	210	570	120	150	390	140
Future Volume (veh/h)	90	90	70	130	390	250	210	570	120	150	390	140
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.98	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	95	95	42	137	411	174	221	600	110	158	411	23
Adj No. of Lanes	2	2	0	2	2	0	2	3	0	2	3	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	164	652	270	214	685	286	201	1049	189	201	1236	369
Arrive On Green	0.05	0.27	0.27	0.06	0.28	0.28	0.06	0.24	0.24	0.06	0.24	0.24
Sat Flow, veh/h	3442	2414	1000	3442	2407	1005	3442	4316	777	3442	5085	1518
Grp Volume(v), veh/h	95	68	69	137	301	284	221	469	241	158	411	23
Grp Sat Flow(s),veh/h/ln	1721	1770	1644	1721	1770	1643	1721	1695	1702	1721	1695	1518
Q Serve(g_s), s	2.1	2.3	2.5	3.1	11.5	11.8	4.6	9.6	9.8	3.6	5.3	0.9
Cycle Q Clear(g_c), s	2.1	2.3	2.5	3.1	11.5	11.8	4.6	9.6	9.8	3.6	5.3	0.9
Prop In Lane	1.00		0.61	1.00		0.61	1.00		0.46	1.00		1.00
Lane Grp Cap(c), veh/h	164	478	444	214	504	468	201	824	414	201	1236	369
V/C Ratio(X)	0.58	0.14	0.16	0.64	0.60	0.61	1.10	0.57	0.58	0.79	0.33	0.06
Avail Cap(c_a), veh/h	2033	1610	1496	471	807	749	201	1242	624	201	1876	560
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.8	21.9	21.9	36.1	24.3	24.4	37.2	26.2	26.3	36.7	24.6	23.0
Incr Delay (d2), s/veh	1.2	0.1	0.2	1.2	2.2	2.5	93.3	1.1	2.3	17.2	0.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	1.1	1.2	1.5	5.9	5.7	4.7	4.6	4.9	2.2	2.5	0.4
LnGrp Delay(d),s/veh	38.0	22.0	22.1	37.3	26.5	26.9	130.4	27.3	28.6	53.8	24.9	23.1
LnGrp LOS	D	C	C	D	C	C	F	C	C	D	C	C
Approach Vol, veh/h		232			722			931			592	
Approach Delay, s/veh		28.6			28.7			52.2			32.5	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	9.0	29.4	9.3	31.2	9.0	29.4	8.2	32.4
Change Period (Y+Rc), s	4.4	10.2	4.4	* 9.9	4.4	* 10	4.4	* 9.9
Max Green Setting (Gmax), s	4.6	28.9	10.8	* 72	4.6	* 29	46.6	* 36
Max Q Clear Time (g_c+I1), s	5.6	11.8	5.1	4.5	6.6	7.3	4.1	13.8
Green Ext Time (p_c), s	0.0	6.4	0.1	0.9	0.0	4.5	0.2	6.5

Intersection Summary	
HCM 2010 Ctrl Delay	38.4
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
41: Camino Del Este & Camino De La Reina

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	160	90	130	620	70	120	90	80	140	290	120
Future Volume (veh/h)	80	160	90	130	620	70	120	90	80	140	290	120
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.96	0.99		0.98	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	84	168	66	137	653	59	126	95	66	147	305	73
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	107	867	373	173	998	431	325	1009	442	428	1009	436
Arrive On Green	0.06	0.24	0.24	0.10	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	1774	3539	1522	1774	3539	1527	990	3539	1550	1200	3539	1529
Grp Volume(v), veh/h	84	168	66	137	653	59	126	95	66	147	305	73
Grp Sat Flow(s),veh/h/ln	1774	1770	1522	1774	1770	1527	990	1770	1550	1200	1770	1529
Q Serve(g_s), s	3.1	2.5	2.2	4.9	10.6	1.9	7.5	1.3	2.1	6.7	4.4	2.3
Cycle Q Clear(g_c), s	3.1	2.5	2.2	4.9	10.6	1.9	11.9	1.3	2.1	8.0	4.4	2.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	107	867	373	173	998	431	325	1009	442	428	1009	436
V/C Ratio(X)	0.78	0.19	0.18	0.79	0.65	0.14	0.39	0.09	0.15	0.34	0.30	0.17
Avail Cap(c_a), veh/h	152	1518	653	233	1674	722	557	1836	804	709	1836	793
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.4	19.6	19.5	28.9	20.7	17.6	23.0	17.2	17.5	20.2	18.3	17.6
Incr Delay (d2), s/veh	9.8	0.1	0.2	8.7	0.7	0.1	0.5	0.0	0.1	0.3	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	1.2	1.0	2.9	5.3	0.8	2.1	0.6	0.9	2.2	2.2	1.0
LnGrp Delay(d),s/veh	40.2	19.7	19.8	37.6	21.4	17.7	23.5	17.2	17.6	20.5	18.4	17.7
LnGrp LOS	D	B	B	D	C	B	C	B	B	C	B	B
Approach Vol, veh/h		318			849			287			525	
Approach Delay, s/veh		25.1			23.8			20.1			18.9	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.8	26.1		28.6	8.4	28.6		28.6
Change Period (Y+Rc), s	4.4	* 10		* 9.9	4.4	* 10		* 9.9
Max Green Setting (Gmax), s	8.6	* 28		* 34	5.6	* 31		* 34
Max Q Clear Time (g_c+I1), s	6.9	4.5		10.0	5.1	12.6		13.9
Green Ext Time (p_c), s	0.0	1.3		2.2	0.0	4.5		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	22.2
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
42: Qualcomm Way & Camino De La Reina

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	140	140	300	440	270	320	1480	430	120	740	110
Future Volume (veh/h)	90	140	140	300	440	270	320	1480	430	120	740	110
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.96	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	92	153	75	306	449	164	327	1510	255	122	755	51
Adj No. of Lanes	1	2	1	2	2	1	2	2	1	2	3	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	113	568	401	367	678	290	375	1618	705	493	2353	714
Arrive On Green	0.06	0.15	0.15	0.11	0.19	0.19	0.11	0.46	0.46	0.05	0.15	0.15
Sat Flow, veh/h	1774	3725	1499	3442	3539	1514	3442	3539	1543	3442	5085	1543
Grp Volume(v), veh/h	92	153	75	306	449	164	327	1510	255	122	755	51
Grp Sat Flow(s),veh/h/ln	1774	1863	1499	1721	1770	1514	1721	1770	1543	1721	1695	1543
Q Serve(g_s), s	7.7	5.4	3.9	13.1	17.6	14.7	14.0	60.6	16.1	5.1	19.8	3.3
Cycle Q Clear(g_c), s	7.7	5.4	3.9	13.1	17.6	14.7	14.0	60.6	16.1	5.1	19.8	3.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	113	568	401	367	678	290	375	1618	705	493	2353	714
V/C Ratio(X)	0.82	0.27	0.19	0.83	0.66	0.57	0.87	0.93	0.36	0.25	0.32	0.07
Avail Cap(c_a), veh/h	181	844	512	381	819	350	482	1678	731	493	2353	714
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	0.96	0.96	0.96	1.00	1.00	1.00	0.49	0.49	0.49	0.95	0.95	0.95
Uniform Delay (d), s/veh	69.4	56.2	20.8	65.7	56.1	55.0	65.8	38.6	26.5	63.7	42.5	21.1
Incr Delay (d2), s/veh	6.1	0.2	0.2	13.3	0.9	0.6	5.9	6.3	0.7	0.1	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.0	2.8	1.9	6.9	8.7	6.2	7.0	31.0	7.0	2.5	9.4	1.8
LnGrp Delay(d),s/veh	75.5	56.4	21.0	79.0	57.0	55.6	71.8	44.8	27.2	63.8	42.9	21.3
LnGrp LOS	E	E	C	E	E	E	E	D	C	E	D	C
Approach Vol, veh/h		320			919			2092			928	
Approach Delay, s/veh		53.6			64.1			46.9			44.4	
Approach LOS		D			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	26.4	75.3	20.4	28.0	27.3	74.3	13.9	34.4
Change Period (Y+Rc), s	4.9	* 6.7	4.4	5.1	11.0	4.9	4.4	5.7
Max Green Setting (Gmax), s	7.7	* 71	16.6	34.0	21.0	53.0	15.3	34.7
Max Q Clear Time (g_c+I1), s	7.1	62.6	15.1	7.4	16.0	21.8	9.7	19.6
Green Ext Time (p_c), s	0.0	6.0	0.1	0.5	0.3	11.5	0.0	2.1

Intersection Summary	
HCM 2010 Ctrl Delay	50.6
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
43: Fenton Parkway & Camino Del Rio North

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	150	60	140	450	90	180	380	90	70	400	190
Future Volume (veh/h)	80	150	60	140	450	90	180	380	90	70	400	190
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	84	158	17	147	474	87	189	400	43	74	421	105
Adj No. of Lanes	1	1	1	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	106	555	649	174	513	94	216	645	69	94	463	115
Arrive On Green	0.06	0.30	0.30	0.10	0.34	0.34	0.12	0.39	0.39	0.05	0.32	0.32
Sat Flow, veh/h	1774	1863	1530	1774	1527	280	1774	1649	177	1774	1434	358
Grp Volume(v), veh/h	84	158	17	147	0	561	189	0	443	74	0	526
Grp Sat Flow(s),veh/h/ln	1774	1863	1530	1774	0	1807	1774	0	1826	1774	0	1792
Q Serve(g_s), s	5.7	7.9	0.8	9.9	0.0	36.4	12.8	0.0	23.7	5.0	0.0	34.3
Cycle Q Clear(g_c), s	5.7	7.9	0.8	9.9	0.0	36.4	12.8	0.0	23.7	5.0	0.0	34.3
Prop In Lane	1.00		1.00	1.00		0.16	1.00		0.10	1.00		0.20
Lane Grp Cap(c), veh/h	106	555	649	174	0	607	216	0	715	94	0	578
V/C Ratio(X)	0.80	0.28	0.03	0.84	0.00	0.92	0.87	0.00	0.62	0.79	0.00	0.91
Avail Cap(c_a), veh/h	118	555	649	300	0	696	243	0	849	134	0	728
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	56.5	32.8	20.7	54.0	0.0	39.0	52.6	0.0	29.8	57.0	0.0	39.5
Incr Delay (d2), s/veh	27.9	0.3	0.0	4.2	0.0	17.0	25.9	0.0	0.5	17.6	0.0	13.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.6	4.1	0.3	5.1	0.0	20.9	7.8	0.0	12.0	2.9	0.0	19.1
LnGrp Delay(d),s/veh	84.4	33.1	20.8	58.2	0.0	56.0	78.5	0.0	30.3	74.6	0.0	52.8
LnGrp LOS	F	C	C	E		E	E		C	E		D
Approach Vol, veh/h		259			708			632			600	
Approach Delay, s/veh		48.9			56.5			44.7			55.5	
Approach LOS		D			E			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	16.4	41.9	19.3	44.2	11.7	46.5	11.0	52.6
Change Period (Y+Rc), s	4.4	5.6	4.5	* 4.9	4.5	* 5.6	4.5	4.9
Max Green Setting (Gmax), s	20.6	34.2	16.7	* 50	8.1	* 47	9.2	56.6
Max Q Clear Time (g_c+I1), s	11.9	9.9	14.8	36.3	7.7	38.4	7.0	25.7
Green Ext Time (p_c), s	0.1	0.9	0.1	3.0	0.0	2.5	0.0	2.1

Intersection Summary	
HCM 2010 Ctrl Delay	51.9
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
44: Camino Del Rio North & Rancho Mission Road



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	120	110	490	330	250	270
Future Volume (veh/h)	120	110	490	330	250	270
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.96	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	126	116	516	89	263	158
Adj No. of Lanes	1	2	2	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	161	1499	889	382	334	441
Arrive On Green	0.09	0.42	0.25	0.25	0.19	0.19
Sat Flow, veh/h	1774	3632	3632	1520	1774	1583
Grp Volume(v), veh/h	126	116	516	89	263	158
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1520	1774	1583
Q Serve(g_s), s	3.7	1.1	6.9	2.5	7.6	4.3
Cycle Q Clear(g_c), s	3.7	1.1	6.9	2.5	7.6	4.3
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	161	1499	889	382	334	441
V/C Ratio(X)	0.78	0.08	0.58	0.23	0.79	0.36
Avail Cap(c_a), veh/h	231	2413	1289	554	761	823
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	23.9	9.2	17.7	16.0	20.8	15.5
Incr Delay (d2), s/veh	6.2	0.0	0.9	0.5	1.6	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.1	0.5	3.5	1.1	3.9	4.1
LnGrp Delay(d),s/veh	30.2	9.3	18.6	16.5	22.4	15.7
LnGrp LOS	C	A	B	B	C	B
Approach Vol, veh/h		242	605		421	
Approach Delay, s/veh		20.2	18.3		19.9	
Approach LOS		C	B		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		33.8		20.0	9.3	24.5		
Change Period (Y+Rc), s		* 11		* 9.9	4.4	11.0		
Max Green Setting (Gmax), s		* 37		* 23	7.0	19.6		
Max Q Clear Time (g_c+I1), s		3.1		9.6	5.7	8.9		
Green Ext Time (p_c), s		1.0		0.5	0.0	3.7		

Intersection Summary	
HCM 2010 Ctrl Delay	19.2
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
45: Mission Gorge Road & Camino Del Rio North/I-8 WB Off Ramps

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	150	90	430	440	480	310	460	1480	280	20	850	190
Future Volume (veh/h)	150	90	430	440	480	310	460	1480	280	20	850	190
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.97	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	124	136	376	303	707	186	474	1526	222	21	876	98
Adj No. of Lanes	1	1	1	1	2	1	1	2	1	2	2	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	140	523	398	836	364	464	1940	858	39	1056	463
Arrive On Green	0.08	0.08	0.08	0.22	0.22	0.22	0.26	0.55	0.55	0.01	0.30	0.30
Sat Flow, veh/h	1774	1863	1457	1774	3725	1541	1774	3539	1566	3442	3539	1551
Grp Volume(v), veh/h	124	136	376	303	707	186	474	1526	222	21	876	98
Grp Sat Flow(s),veh/h/ln	1774	1863	1457	1774	1863	1541	1774	1770	1566	1721	1770	1551
Q Serve(g_s), s	10.1	10.6	10.9	23.2	26.3	15.2	37.9	49.7	10.8	0.9	33.5	6.9
Cycle Q Clear(g_c), s	10.1	10.6	10.9	23.2	26.3	15.2	37.9	49.7	10.8	0.9	33.5	6.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	133	140	523	398	836	364	464	1940	858	39	1056	463
V/C Ratio(X)	0.93	0.97	0.72	0.76	0.85	0.51	1.02	0.79	0.26	0.53	0.83	0.21
Avail Cap(c_a), veh/h	133	140	523	440	925	401	464	1940	858	69	1056	463
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.48	0.48	0.48	1.00	1.00	1.00
Uniform Delay (d), s/veh	66.7	66.9	42.5	52.6	53.8	48.1	53.5	26.0	17.2	71.3	47.4	38.1
Incr Delay (d2), s/veh	56.1	66.8	4.1	5.8	6.1	0.4	34.7	1.6	0.4	4.1	7.6	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	8.0	13.8	12.0	14.3	6.5	23.0	24.6	4.8	0.4	17.4	3.1
LnGrp Delay(d),s/veh	122.8	133.7	46.6	58.4	59.9	48.5	88.3	27.6	17.6	75.4	55.0	39.2
LnGrp LOS	F	F	D	E	E	D	F	C	B	E	E	D
Approach Vol, veh/h		636			1196			2222			995	
Approach Delay, s/veh		80.1			57.8			39.6			53.9	
Approach LOS		F			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.8	84.6		16.0	43.0	48.3		37.7
Change Period (Y+Rc), s	5.1	5.1		5.1	5.1	5.1		5.1
Max Green Setting (Gmax), s	2.9	74.8		10.9	37.9	39.8		36.0
Max Q Clear Time (g_c+I1), s	2.9	51.7		12.9	39.9	35.5		28.3
Green Ext Time (p_c), s	0.0	8.4		0.0	0.0	1.7		2.5

Intersection Summary	
HCM 2010 Ctrl Delay	51.8
HCM 2010 LOS	D

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	450	50	0	150
Future Volume (veh/h)	0	0	450	50	0	150
Number			8	18	1	16
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.98	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1900	1863	1863
Adj Flow Rate, veh/h			474	53	0	158
Adj No. of Lanes			2	0	1	1
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			1780	198	0	0
Arrive On Green			0.56	0.56	0.00	0.00
Sat Flow, veh/h			3298	357	0	
Grp Volume(v), veh/h			261	266	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1792		
Q Serve(g_s), s			0.8	0.8		
Cycle Q Clear(g_c), s			0.8	0.8		
Prop In Lane				0.20		
Lane Grp Cap(c), veh/h			983	995		
V/C Ratio(X)			0.27	0.27		
Avail Cap(c_a), veh/h			2710	2745		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			1.2	1.2		
Incr Delay (d2), s/veh			0.1	0.1		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			0.4	0.4		
LnGrp Delay(d),s/veh			1.3	1.3		
LnGrp LOS			A	A		
Approach Vol, veh/h			527			
Approach Delay, s/veh			1.3			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs								8
Phs Duration (G+Y+Rc), s								10.1
Change Period (Y+Rc), s								4.5
Max Green Setting (Gmax), s								15.5
Max Q Clear Time (g_c+I1), s								2.8
Green Ext Time (p_c), s								2.6

Intersection Summary	
HCM 2010 Ctrl Delay	1.3
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
48: Hotel Circle North/Camino De La Reina & Fashion Valley Road



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	400	200	1	240
Future Volume (veh/h)	0	0	400	200	1	240
Number			2	12	7	14
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.92	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1863	1863	1863
Adj Flow Rate, veh/h			421	96	1	179
Adj No. of Lanes			2	1	1	2
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			650	269	0	0
Arrive On Green			0.18	0.18	0.00	0.00
Sat Flow, veh/h			3632	1464	0	
Grp Volume(v), veh/h			421	96	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1464		
Q Serve(g_s), s			9.9	5.2		
Cycle Q Clear(g_c), s			9.9	5.2		
Prop In Lane				1.00		
Lane Grp Cap(c), veh/h			650	269		
V/C Ratio(X)			0.65	0.36		
Avail Cap(c_a), veh/h			1813	750		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			34.0	32.1		
Incr Delay (d2), s/veh			1.5	1.1		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			5.0	2.2		
LnGrp Delay(d),s/veh			35.5	33.2		
LnGrp LOS			D	C		
Approach Vol, veh/h			517			
Approach Delay, s/veh			35.1			
Approach LOS			D			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		26.4						
Change Period (Y+Rc), s		* 9.9						
Max Green Setting (Gmax), s		* 46						
Max Q Clear Time (g_c+I1), s		11.9						
Green Ext Time (p_c), s		4.6						

Intersection Summary	
HCM 2010 Ctrl Delay	35.1
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
49: Mission Center Road & Camino Del Rio N

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	170	180	280	320	510	170	310	290	220	320	60
Future Volume (veh/h)	20	170	180	280	320	510	170	310	290	220	320	60
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	21	177	0	292	333	203	177	323	0	229	333	37
Adj No. of Lanes	1	2	1	2	1	1	2	2	1	2	2	1
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	32	485	217	369	421	348	250	1415	633	307	1474	641
Arrive On Green	0.02	0.14	0.00	0.11	0.23	0.23	0.02	0.13	0.00	0.09	0.42	0.42
Sat Flow, veh/h	1774	3539	1583	3442	1863	1541	3442	3539	1583	3442	3539	1538
Grp Volume(v), veh/h	21	177	0	292	333	203	177	323	0	229	333	37
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1863	1541	1721	1770	1583	1721	1770	1538
Q Serve(g_s), s	1.1	4.1	0.0	7.4	15.2	10.6	4.6	7.4	0.0	5.8	5.5	1.3
Cycle Q Clear(g_c), s	1.1	4.1	0.0	7.4	15.2	10.6	4.6	7.4	0.0	5.8	5.5	1.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	32	485	217	369	421	348	250	1415	633	307	1474	641
V/C Ratio(X)	0.65	0.37	0.00	0.79	0.79	0.58	0.71	0.23	0.00	0.75	0.23	0.06
Avail Cap(c_a), veh/h	79	1077	482	497	642	531	264	1415	633	421	1474	641
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.86	0.86	0.86	0.83	0.83	0.00	0.94	0.94	0.94
Uniform Delay (d), s/veh	43.9	35.3	0.0	39.2	32.8	31.0	43.0	26.6	0.0	40.0	16.9	15.7
Incr Delay (d2), s/veh	8.0	0.5	0.0	3.7	1.6	0.5	5.5	0.3	0.0	4.4	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	2.0	0.0	3.7	8.0	4.5	2.4	3.7	0.0	3.0	2.7	0.6
LnGrp Delay(d),s/veh	51.9	35.7	0.0	42.8	34.4	31.5	48.5	26.9	0.0	44.4	17.2	15.9
LnGrp LOS	D	D		D	C	C	D	C		D	B	B
Approach Vol, veh/h		198			828			500			599	
Approach Delay, s/veh		37.5			36.7			34.6			27.5	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	12.4	40.9	14.1	22.6	10.9	42.4	6.0	30.6
Change Period (Y+Rc), s	4.4	4.9	4.4	* 10	4.4	4.9	4.4	10.3
Max Green Setting (Gmax), s	11.0	20.0	13.0	* 27	6.9	24.1	4.0	31.0
Max Q Clear Time (g_c+I1), s	7.8	9.4	9.4	6.1	6.6	7.5	3.1	17.2
Green Ext Time (p_c), s	0.2	0.9	0.2	1.1	0.0	2.9	0.0	1.5

Intersection Summary	
HCM 2010 Ctrl Delay	33.7
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
50: I-8 WB Ramps/Mission Valley Mall Driveway & Camino Del Rio N

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	270	410	140	260	0	850	90	120	0	0	0
Future Volume (veh/h)	0	270	410	140	260	0	850	90	120	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	284	0	147	274	0	963	0	0			
Adj No. of Lanes	0	2	1	1	2	0	2	0	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	906	405	179	1528	0	1335	0	596			
Arrive On Green	0.00	0.26	0.00	0.10	0.43	0.00	0.38	0.00	0.00			
Sat Flow, veh/h	0	3632	1583	1774	3632	0	3548	0	1583			
Grp Volume(v), veh/h	0	284	0	147	274	0	963	0	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1774	1770	0	1774	0	1583			
Q Serve(g_s), s	0.0	4.1	0.0	5.1	3.0	0.0	14.5	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	4.1	0.0	5.1	3.0	0.0	14.5	0.0	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	906	405	179	1528	0	1335	0	596			
V/C Ratio(X)	0.00	0.31	0.00	0.82	0.18	0.00	0.72	0.00	0.00			
Avail Cap(c_a), veh/h	0	906	405	179	1528	0	2894	0	1292			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	18.8	0.0	27.6	10.9	0.0	16.7	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.9	0.0	24.1	0.1	0.0	1.1	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	2.1	0.0	3.7	1.5	0.0	7.3	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	19.7	0.0	51.7	11.0	0.0	17.8	0.0	0.0			
LnGrp LOS		B		D	B		B					
Approach Vol, veh/h		284			421			963				
Approach Delay, s/veh		19.7			25.2			17.8				
Approach LOS		B			C			B				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	11.0	22.0		29.5		33.0		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 6.3	16.0		51.0		27.0		
Max Q Clear Time (g_c+I1), s	7.1	6.1		16.5		5.0		
Green Ext Time (p_c), s	0.0	1.3		7.0		1.8		

Intersection Summary	
HCM 2010 Ctrl Delay	20.0
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
51: Camino Del Rio N & Camino Del Este



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	150	250	230	260	270	120
Future Volume (veh/h)	150	250	230	260	270	120
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	158	263	242	232	284	84
Adj No. of Lanes	1	1	2	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	120	1201	1802	790	359	320
Arrive On Green	0.07	0.64	0.51	0.51	0.20	0.20
Sat Flow, veh/h	1774	1863	3632	1552	1774	1583
Grp Volume(v), veh/h	158	263	242	232	284	84
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	1552	1774	1583
Q Serve(g_s), s	4.0	3.4	2.1	5.1	9.0	2.6
Cycle Q Clear(g_c), s	4.0	3.4	2.1	5.1	9.0	2.6
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	120	1201	1802	790	359	320
V/C Ratio(X)	1.31	0.22	0.13	0.29	0.79	0.26
Avail Cap(c_a), veh/h	120	1201	1802	790	542	484
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	27.5	4.3	7.6	8.3	22.3	19.8
Incr Delay (d2), s/veh	187.4	0.4	0.2	0.9	5.8	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.2	1.9	1.1	2.3	4.9	2.5
LnGrp Delay(d),s/veh	214.9	4.7	7.8	9.3	28.1	20.4
LnGrp LOS	F	A	A	A	C	C
Approach Vol, veh/h		421	474		368	
Approach Delay, s/veh		83.6	8.5		26.3	
Approach LOS		F	A		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		42.5		16.4	8.0	34.5		
Change Period (Y+Rc), s		4.5		4.5	4.0	4.5		
Max Green Setting (Gmax), s		38.0		18.0	4.0	30.0		
Max Q Clear Time (g_c+I1), s		5.4		11.0	6.0	7.1		
Green Ext Time (p_c), s		1.4		1.0	0.0	2.0		

Intersection Summary	
HCM 2010 Ctrl Delay	38.7
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
52: Qualcomm Way & Camino Del Rio N/I-8 WB Ramps

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	100	0	180	30	180	530	300	1600	250	0	690	490
Future Volume (veh/h)	100	0	180	30	180	530	300	1600	250	0	690	490
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.97	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1900	1863	1863	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	105	0	110	32	189	226	316	1684	0	0	726	253
Adj No. of Lanes	0	1	1	0	1	1	1	3	1	0	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	0	2	2
Cap, veh/h	261	0	223	51	301	292	228	2786	867	0	1373	605
Arrive On Green	0.15	0.00	0.15	0.19	0.19	0.19	0.13	0.55	0.00	0.00	0.13	0.13
Sat Flow, veh/h	1774	0	1519	268	1582	1533	1774	5085	1583	0	3632	1559
Grp Volume(v), veh/h	105	0	110	221	0	226	316	1684	0	0	726	253
Grp Sat Flow(s),veh/h/ln	1774	0	1519	1849	0	1533	1774	1695	1583	0	1770	1559
Q Serve(g_s), s	8.0	0.0	10.0	16.5	0.0	21.0	19.3	33.6	0.0	0.0	28.8	22.4
Cycle Q Clear(g_c), s	8.0	0.0	10.0	16.5	0.0	21.0	19.3	33.6	0.0	0.0	28.8	22.4
Prop In Lane	1.00		1.00	0.14		1.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h	261	0	223	352	0	292	228	2786	867	0	1373	605
V/C Ratio(X)	0.40	0.00	0.49	0.63	0.00	0.77	1.38	0.60	0.00	0.00	0.53	0.42
Avail Cap(c_a), veh/h	485	0	415	456	0	378	228	2786	867	0	1373	605
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.77	0.77	0.00	0.00	0.90	0.90
Uniform Delay (d), s/veh	58.0	0.0	58.8	55.8	0.0	57.7	65.3	22.9	0.0	0.0	52.6	49.8
Incr Delay (d2), s/veh	0.4	0.0	0.6	0.7	0.0	5.2	192.5	0.8	0.0	0.0	1.3	1.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.0	0.0	4.2	8.5	0.0	9.3	21.7	15.9	0.0	0.0	14.4	10.0
LnGrp Delay(d),s/veh	58.4	0.0	59.4	56.5	0.0	62.9	257.9	23.7	0.0	0.0	53.9	51.7
LnGrp LOS	E		E	E		E	F	C			D	D
Approach Vol, veh/h		215			447			2000			979	
Approach Delay, s/veh		58.9			59.7			60.7			53.3	
Approach LOS		E			E			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		89.2		27.2	24.0	65.2		33.7
Change Period (Y+Rc), s		7.0		5.1	* 4.7	7.0		5.1
Max Green Setting (Gmax), s		54.8		41.0	* 19	30.8		37.0
Max Q Clear Time (g_c+I1), s		35.6		12.0	21.3	30.8		23.0
Green Ext Time (p_c), s		8.0		0.1	0.0	0.0		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	58.5
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
53: Morena Boulevard & Taylor Street

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	310	120	20	60	860	520	0	10	20	90	10	230
Future Volume (veh/h)	310	120	20	60	860	520	0	10	20	90	10	230
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	0	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	326	126	10	63	905	526	0	11	0	103	0	221
Adj No. of Lanes	2	2	0	1	2	0	0	1	0	2	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	0	2	2	2	2	2
Cap, veh/h	385	1835	144	81	1053	598	0	13	0	690	0	476
Arrive On Green	0.11	0.55	0.55	0.05	0.49	0.49	0.00	0.01	0.00	0.19	0.00	0.19
Sat Flow, veh/h	3442	3320	261	1774	2167	1230	0	1863	0	3548	0	1534
Grp Volume(v), veh/h	326	67	69	63	735	696	0	11	0	103	0	221
Grp Sat Flow(s),veh/h/ln	1721	1770	1811	1774	1770	1628	0	1863	0	1774	0	1534
Q Serve(g_s), s	8.8	1.7	1.7	3.3	34.6	36.3	0.0	0.6	0.0	2.3	0.0	11.1
Cycle Q Clear(g_c), s	8.8	1.7	1.7	3.3	34.6	36.3	0.0	0.6	0.0	2.3	0.0	11.1
Prop In Lane	1.00		0.14	1.00		0.76	0.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	385	978	1001	81	860	791	0	13	0	690	0	476
V/C Ratio(X)	0.85	0.07	0.07	0.78	0.85	0.88	0.00	0.87	0.00	0.15	0.00	0.46
Avail Cap(c_a), veh/h	385	1022	1046	86	910	837	0	130	0	1128	0	665
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	41.2	9.8	9.9	44.7	21.4	21.8	0.0	47.0	0.0	31.6	0.0	26.6
Incr Delay (d2), s/veh	15.1	0.0	0.0	30.5	8.0	10.5	0.0	43.7	0.0	0.2	0.0	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.0	0.8	0.9	2.3	18.7	18.5	0.0	0.4	0.0	1.1	0.0	10.0
LnGrp Delay(d),s/veh	56.4	9.9	9.9	75.2	29.3	32.4	0.0	90.6	0.0	31.8	0.0	27.8
LnGrp LOS	E	A	A	E	C	C		F		C		C
Approach Vol, veh/h		462			1494			11			324	
Approach Delay, s/veh		42.7			32.7			90.6			29.1	
Approach LOS		D			C			F			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	8.7	57.2		23.7	15.0	50.9		5.0
Change Period (Y+Rc), s	4.4	4.9		5.3	4.4	4.9		4.4
Max Green Setting (Gmax), s	4.6	54.7		30.1	10.6	48.7		6.6
Max Q Clear Time (g_c+I1), s	5.3	3.7		13.1	10.8	38.3		2.6
Green Ext Time (p_c), s	0.0	0.9		1.8	0.0	7.7		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	34.5
HCM 2010 LOS	C

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	130	0	0	100	500
Future Volume (veh/h)	0	130	0	0	100	500
Number	7	4			5	12
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)	1.00				1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863			1863	1863
Adj Flow Rate, veh/h	0	137			105	526
Adj No. of Lanes	0	1			1	1
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	0	2			2	2
Cap, veh/h	0	444			0	0
Arrive On Green	0.00	0.24			0.00	0.00
Sat Flow, veh/h	0	1863			0	
Grp Volume(v), veh/h	0	137			0.0	
Grp Sat Flow(s),veh/h/ln	0	1863				
Q Serve(g_s), s	0.0	0.4				
Cycle Q Clear(g_c), s	0.0	0.4				
Prop In Lane	0.00					
Lane Grp Cap(c), veh/h	0	444				
V/C Ratio(X)	0.00	0.31				
Avail Cap(c_a), veh/h	0	7407				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	0.00	1.00				
Uniform Delay (d), s/veh	0.0	1.8				
Incr Delay (d2), s/veh	0.0	0.4				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	0.0	0.2				
LnGrp Delay(d),s/veh	0.0	2.2				
LnGrp LOS		A				
Approach Vol, veh/h		137				
Approach Delay, s/veh		2.2				
Approach LOS		A				

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4				
Phs Duration (G+Y+Rc), s				5.9				
Change Period (Y+Rc), s				4.5				
Max Green Setting (Gmax), s				23.5				
Max Q Clear Time (g_c+I1), s				2.4				
Green Ext Time (p_c), s				0.6				

Intersection Summary	
HCM 2010 Ctrl Delay	2.2
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
57: Bachman Place & Hotel Circle South

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	150	750	0	0	0	740
Future Volume (veh/h)	150	750	0	0	0	740
Number	2	12			7	14
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)		0.98			1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900			1863	1863
Adj Flow Rate, veh/h	158	736			0	654
Adj No. of Lanes	2	0			1	2
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	2	2			2	2
Cap, veh/h	1054	928			0	0
Arrive On Green	0.60	0.60			0.00	0.00
Sat Flow, veh/h	1863	1557			0	
Grp Volume(v), veh/h	158	736			0.0	
Grp Sat Flow(s),veh/h/ln	1770	1557				
Q Serve(g_s), s	1.0	9.0				
Cycle Q Clear(g_c), s	1.0	9.0				
Prop In Lane		1.00				
Lane Grp Cap(c), veh/h	1054	928				
V/C Ratio(X)	0.15	0.79				
Avail Cap(c_a), veh/h	1245	1095				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	1.00	1.00				
Uniform Delay (d), s/veh	2.2	3.8				
Incr Delay (d2), s/veh	0.1	3.8				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	0.5	4.7				
LnGrp Delay(d),s/veh	2.3	7.6				
LnGrp LOS	A	A				
Approach Vol, veh/h	894					
Approach Delay, s/veh	6.7					
Approach LOS	A					

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		24.7						
Change Period (Y+Rc), s		10.0						
Max Green Setting (Gmax), s		17.4						
Max Q Clear Time (g_c+I1), s		11.0						
Green Ext Time (p_c), s		3.8						

Intersection Summary	
HCM 2010 Ctrl Delay	6.7
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
58: Mission Center Road & I-8 EB Ramp

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	430	0	420	0	0	0	0	340	140	350	430	0
Future Volume (veh/h)	430	0	420	0	0	0	0	340	140	350	430	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	453	0	0				0	358	0	274	585	0
Adj No. of Lanes	2	1	0				0	2	1	1	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	1483	803	0				0	441	197	449	944	0
Arrive On Green	0.43	0.00	0.00				0.00	0.04	0.00	0.08	0.08	0.00
Sat Flow, veh/h	3442	1863	0				0	3632	1583	1774	3725	0
Grp Volume(v), veh/h	453	0	0				0	358	0	274	585	0
Grp Sat Flow(s),veh/h/ln	1721	1863	0				0	1770	1583	1774	1863	0
Q Serve(g_s), s	7.8	0.0	0.0				0.0	9.0	0.0	13.4	13.7	0.0
Cycle Q Clear(g_c), s	7.8	0.0	0.0				0.0	9.0	0.0	13.4	13.7	0.0
Prop In Lane	1.00		0.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1483	803	0				0	441	197	449	944	0
V/C Ratio(X)	0.31	0.00	0.00				0.00	0.81	0.00	0.61	0.62	0.00
Avail Cap(c_a), veh/h	1483	803	0				0	511	229	749	1573	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	0.33	0.33	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	0.94	0.00	0.94	0.94	0.00
Uniform Delay (d), s/veh	16.8	0.0	0.0				0.0	42.1	0.0	36.9	37.0	0.0
Incr Delay (d2), s/veh	0.5	0.0	0.0				0.0	6.9	0.0	0.5	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	0.0	0.0				0.0	4.8	0.0	6.7	7.1	0.0
LnGrp Delay(d),s/veh	17.3	0.0	0.0				0.0	49.0	0.0	37.4	37.3	0.0
LnGrp LOS	B							D		D	D	
Approach Vol, veh/h		453						358			859	
Approach Delay, s/veh		17.3						49.0			37.3	
Approach LOS		B						D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		44.9		16.2				28.9
Change Period (Y+Rc), s		6.1		5.0				6.1
Max Green Setting (Gmax), s		21.8		13.0				38.0
Max Q Clear Time (g_c+I1), s		9.8		11.0				15.7
Green Ext Time (p_c), s		0.8		0.2				2.7

Intersection Summary	
HCM 2010 Ctrl Delay	34.4
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
59: Mission Center Road & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	90	20	20	260	230	20	30	20	330	100	420
Future Volume (veh/h)	220	90	20	20	260	230	20	30	20	330	100	420
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.94	1.00		0.95	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	232	95	21	21	274	242	21	32	21	226	274	442
Adj No. of Lanes	2	1	0	0	2	1	0	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	394	162	36	44	600	761	92	140	191	555	583	469
Arrive On Green	0.11	0.11	0.11	0.18	0.18	0.18	0.13	0.13	0.13	0.31	0.31	0.31
Sat Flow, veh/h	3548	1461	323	246	3374	1494	724	1103	1508	1774	1863	1498
Grp Volume(v), veh/h	232	0	116	158	137	242	53	0	21	226	274	442
Grp Sat Flow(s),veh/h/ln	1774	0	1784	1850	1770	1494	1827	0	1508	1774	1863	1498
Q Serve(g_s), s	5.6	0.0	5.6	6.9	6.2	8.9	2.3	0.0	1.1	9.0	10.7	25.9
Cycle Q Clear(g_c), s	5.6	0.0	5.6	6.9	6.2	8.9	2.3	0.0	1.1	9.0	10.7	25.9
Prop In Lane	1.00		0.18	0.13		1.00	0.40		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	394	0	198	329	315	761	232	0	191	555	583	469
V/C Ratio(X)	0.59	0.00	0.59	0.48	0.44	0.32	0.23	0.00	0.11	0.41	0.47	0.94
Avail Cap(c_a), veh/h	548	0	276	329	315	761	232	0	191	568	596	480
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.80	0.80	0.80
Uniform Delay (d), s/veh	38.0	0.0	38.0	33.3	33.0	13.9	35.3	0.0	34.8	24.3	24.9	30.1
Incr Delay (d2), s/veh	0.5	0.0	1.0	0.4	0.4	0.1	0.5	0.0	0.3	1.8	2.2	25.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	0.0	2.8	3.5	3.1	5.9	1.2	0.0	0.5	4.7	5.8	14.0
LnGrp Delay(d),s/veh	38.6	0.0	39.1	33.7	33.3	14.0	35.8	0.0	35.0	26.1	27.1	55.4
LnGrp LOS	D		D	C	C	B	D		D	C	C	E
Approach Vol, veh/h		348			537			74			942	
Approach Delay, s/veh		38.7			24.7			35.6			40.1	
Approach LOS		D			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Phs Duration (G+Y+Rc), s		17.5		22.1		34.3		16.1
Change Period (Y+Rc), s		6.1		6.1		6.1		6.1
Max Green Setting (Gmax), s		6.9		16.0		28.8		13.9
Max Q Clear Time (g_c+I1), s		4.3		10.9		27.9		7.6
Green Ext Time (p_c), s		0.0		0.8		0.3		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	35.3
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
60: Qualcomm Way & I-8 EB Ramp

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	490	0	1300	630	270
Future Volume (veh/h)	0	490	0	1300	630	270
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	0	321	0	1368	663	0
Adj No. of Lanes	1	2	0	2	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	273	429	0	2312	2312	1034
Arrive On Green	0.00	0.15	0.00	0.65	0.65	0.00
Sat Flow, veh/h	1774	2787	0	3725	3632	1583
Grp Volume(v), veh/h	0	321	0	1368	663	0
Grp Sat Flow(s),veh/h/ln	1774	1393	0	1770	1770	1583
Q Serve(g_s), s	0.0	6.1	0.0	12.0	4.4	0.0
Cycle Q Clear(g_c), s	0.0	6.1	0.0	12.0	4.4	0.0
Prop In Lane	1.00	1.00	0.00			1.00
Lane Grp Cap(c), veh/h	273	429	0	2312	2312	1034
V/C Ratio(X)	0.00	0.75	0.00	0.59	0.29	0.00
Avail Cap(c_a), veh/h	516	811	0	2312	2312	1034
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	0.09	0.35	0.00
Uniform Delay (d), s/veh	0.0	22.2	0.0	5.4	4.1	0.0
Incr Delay (d2), s/veh	0.0	1.0	0.0	0.1	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	2.4	0.0	5.7	2.2	0.0
LnGrp Delay(d),s/veh	0.0	23.2	0.0	5.5	4.2	0.0
LnGrp LOS		C		A	A	
Approach Vol, veh/h	321			1368	663	
Approach Delay, s/veh	23.2			5.5	4.2	
Approach LOS	C			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		41.0		14.0		41.0		
Change Period (Y+Rc), s		5.1		5.5		5.1		
Max Green Setting (Gmax), s		28.4		16.0		28.4		
Max Q Clear Time (g_c+I1), s		14.0		8.1		6.4		
Green Ext Time (p_c), s		5.6		0.5		2.6		

Intersection Summary	
HCM 2010 Ctrl Delay	7.5
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
61: Qualcomm Way & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	110	90	90	60	90	160	140	1360	180	450	590	280
Future Volume (veh/h)	110	90	90	60	90	160	140	1360	180	450	590	280
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.91	1.00		0.96	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	112	92	32	61	92	60	143	1388	133	459	602	97
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	153	161	268	137	144	465	160	1645	157	396	2260	975
Arrive On Green	0.09	0.09	0.09	0.08	0.08	0.08	0.09	0.51	0.51	0.22	0.64	0.64
Sat Flow, veh/h	1774	1863	1453	1774	1863	1440	1774	3253	310	1774	3539	1526
Grp Volume(v), veh/h	112	92	32	61	92	60	143	751	770	459	602	97
Grp Sat Flow(s),veh/h/ln	1774	1863	1453	1774	1863	1440	1774	1770	1793	1774	1770	1526
Q Serve(g_s), s	12.3	9.5	3.7	6.6	9.6	6.1	16.0	72.9	74.4	44.6	14.8	4.9
Cycle Q Clear(g_c), s	12.3	9.5	3.7	6.6	9.6	6.1	16.0	72.9	74.4	44.6	14.8	4.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.17	1.00		1.00
Lane Grp Cap(c), veh/h	153	161	268	137	144	465	160	895	907	396	2260	975
V/C Ratio(X)	0.73	0.57	0.12	0.44	0.64	0.13	0.89	0.84	0.85	1.16	0.27	0.10
Avail Cap(c_a), veh/h	239	251	339	266	279	569	233	895	907	396	2260	975
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.87	0.87	0.87
Uniform Delay (d), s/veh	89.1	87.8	69.3	88.2	89.5	51.1	90.0	42.4	42.8	77.7	15.7	13.9
Incr Delay (d2), s/veh	6.6	3.2	0.2	0.8	1.7	0.0	19.3	9.3	9.8	94.1	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	5.0	1.5	3.3	5.0	2.4	8.7	38.0	39.2	32.2	7.3	2.1
LnGrp Delay(d),s/veh	95.7	91.0	69.5	89.0	91.3	51.1	109.3	51.7	52.6	171.8	16.0	14.1
LnGrp LOS	F	F	E	F	F	D	F	D	D	F	B	B
Approach Vol, veh/h		236			213			1664			1158	
Approach Delay, s/veh		90.3			79.3			57.1			77.6	
Approach LOS		F			E			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	49.0	108.2		22.2	22.4	134.7		20.7
Change Period (Y+Rc), s	4.4	7.0		4.9	4.4	* 7		5.2
Max Green Setting (Gmax), s	44.6	76.9		27.0	26.3	* 97		30.0
Max Q Clear Time (g_c+I1), s	46.6	76.4		14.3	18.0	16.8		11.6
Green Ext Time (p_c), s	0.0	0.5		0.5	0.1	6.2		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	68.2
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
62: Camino Del Rio South & Fenton Parkway



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	160	220	580	490	280	320
Future Volume (veh/h)	160	220	580	490	280	320
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	168	232	611	138	295	212
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	215	1144	743	947	371	331
Arrive On Green	0.12	0.61	0.40	0.40	0.21	0.21
Sat Flow, veh/h	1774	1863	1863	1544	1774	1583
Grp Volume(v), veh/h	168	232	611	138	295	212
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1544	1774	1583
Q Serve(g_s), s	4.9	2.9	15.6	0.0	8.4	6.5
Cycle Q Clear(g_c), s	4.9	2.9	15.6	0.0	8.4	6.5
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	215	1144	743	947	371	331
V/C Ratio(X)	0.78	0.20	0.82	0.15	0.79	0.64
Avail Cap(c_a), veh/h	534	1667	953	1121	767	685
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	22.7	4.5	14.3	1.3	19.9	19.2
Incr Delay (d2), s/veh	2.3	0.1	4.9	0.1	1.5	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	1.5	9.0	2.1	4.3	5.7
LnGrp Delay(d),s/veh	25.0	4.6	19.2	1.4	21.4	20.0
LnGrp LOS	C	A	B	A	C	B
Approach Vol, veh/h		400	749		507	
Approach Delay, s/veh		13.2	15.9		20.8	
Approach LOS		B	B		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		37.7		15.5	11.4	26.2		
Change Period (Y+Rc), s		5.0		4.4	5.0	* 5		
Max Green Setting (Gmax), s		47.6		23.0	16.0	* 27		
Max Q Clear Time (g_c+I1), s		4.9		10.4	6.9	17.6		
Green Ext Time (p_c), s		1.6		0.7	0.1	3.3		

Intersection Summary	
HCM 2010 Ctrl Delay	16.8
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
63: I-15 SB Ramps & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	140	30	30	880	0	20	0	20	240	0	450
Future Volume (veh/h)	0	140	30	30	880	0	20	0	20	240	0	450
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.95	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1900	1863	1863	0	1900	1863	1900	1863	0	1863
Adj Flow Rate, veh/h	0	147	21	32	926	0	21	0	19	253	0	274
Adj No. of Lanes	0	2	0	1	1	0	0	1	0	1	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0	2	2	2	2	0	2
Cap, veh/h	0	1674	235	67	1282	0	39	0	35	0	0	0
Arrive On Green	0.00	0.54	0.54	0.04	0.69	0.00	0.05	0.00	0.05	0.00	0.00	0.00
Sat Flow, veh/h	0	3203	436	1774	1863	0	861	0	779		0	
Grp Volume(v), veh/h	0	82	86	32	926	0	40	0	0		0.0	
Grp Sat Flow(s),veh/h/ln	0	1770	1776	1774	1863	0	1639	0	0			
Q Serve(g_s), s	0.0	0.8	0.9	0.7	11.6	0.0	0.9	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	0.8	0.9	0.7	11.6	0.0	0.9	0.0	0.0			
Prop In Lane	0.00		0.25	1.00		0.00	0.52		0.47			
Lane Grp Cap(c), veh/h	0	953	956	67	1282	0	74	0	0			
V/C Ratio(X)	0.00	0.09	0.09	0.48	0.72	0.00	0.54	0.00	0.00			
Avail Cap(c_a), veh/h	0	1391	1396	251	1936	0	218	0	0			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	4.2	4.2	17.7	3.6	0.0	17.5	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.0	0.0	1.9	0.3	0.0	2.2	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	0.4	0.4	0.4	5.8	0.0	0.4	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	4.2	4.2	19.6	3.9	0.0	19.8	0.0	0.0			
LnGrp LOS		A	A	B	A		B					
Approach Vol, veh/h		168			958			40				
Approach Delay, s/veh		4.2			4.4			19.8				
Approach LOS		A			A			B				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	5.6	25.7				31.3		6.2
Change Period (Y+Rc), s	* 4.2	5.5				5.5		4.5
Max Green Setting (Gmax), s	* 5.3	29.5				39.0		5.0
Max Q Clear Time (g_c+I1), s	2.7	2.9				13.6		2.9
Green Ext Time (p_c), s	0.0	0.5				1.4		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	4.9
HCM 2010 LOS	A

Notes

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	320	80	140	910	0	0
Future Volume (veh/h)	320	80	140	910	0	0
Number	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863		
Adj Flow Rate, veh/h	337	0	147	958		
Adj No. of Lanes	2	0	1	2		
Peak Hour Factor	0.95	0.95	0.95	0.95		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	2125	0	197	2960		
Arrive On Green	0.60	0.00	0.11	0.84		
Sat Flow, veh/h	3725	0	1774	3632		
Grp Volume(v), veh/h	337	0	147	958		
Grp Sat Flow(s),veh/h/ln	1770	0	1774	1770		
Q Serve(g_s), s	1.4	0.0	2.7	2.0		
Cycle Q Clear(g_c), s	1.4	0.0	2.7	2.0		
Prop In Lane		0.00	1.00			
Lane Grp Cap(c), veh/h	2125	0	197	2960		
V/C Ratio(X)	0.16	0.00	0.75	0.32		
Avail Cap(c_a), veh/h	2369	0	412	3632		
HCM Platoon Ratio	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	0.00	1.00	1.00		
Uniform Delay (d), s/veh	3.0	0.0	14.5	0.6		
Incr Delay (d2), s/veh	0.0	0.0	2.1	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	0.7	0.0	1.4	0.9		
LnGrp Delay(d),s/veh	3.0	0.0	16.6	0.6		
LnGrp LOS	A		B	A		
Approach Vol, veh/h	337			1105		
Approach Delay, s/veh	3.0			2.8		
Approach LOS	A			A		

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		
Phs Duration (G+Y+Rc), s	7.9	25.7				33.6		
Change Period (Y+Rc), s	* 4.2	5.5				5.5		
Max Green Setting (Gmax), s	* 7.8	22.5				34.5		
Max Q Clear Time (g_c+I1), s	4.7	3.4				4.0		
Green Ext Time (p_c), s	0.0	0.5				4.3		

Intersection Summary	
HCM 2010 Ctrl Delay	2.8
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
65: I-15 NB Ramps & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	110	210	0	0	400	150	650	10	110	0	0	0
Future Volume (veh/h)	110	210	0	0	400	150	650	10	110	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.96	1.00		0.99			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	1863	1863	1900			
Adj Flow Rate, veh/h	116	221	0	0	421	105	684	11	105			
Adj No. of Lanes	1	2	0	0	1	1	1	1	0			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	142	1370	0	0	454	370	711	60	575			
Arrive On Green	0.08	0.39	0.00	0.00	0.24	0.24	0.40	0.40	0.40			
Sat Flow, veh/h	1774	3632	0	0	1863	1518	1774	150	1434			
Grp Volume(v), veh/h	116	221	0	0	421	105	684	0	116			
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1863	1518	1774	0	1584			
Q Serve(g_s), s	7.3	4.6	0.0	0.0	25.0	6.4	42.6	0.0	5.4			
Cycle Q Clear(g_c), s	7.3	4.6	0.0	0.0	25.0	6.4	42.6	0.0	5.4			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		0.91			
Lane Grp Cap(c), veh/h	142	1370	0	0	454	370	711	0	635			
V/C Ratio(X)	0.82	0.16	0.00	0.00	0.93	0.28	0.96	0.00	0.18			
Avail Cap(c_a), veh/h	154	1469	0	0	494	402	768	0	686			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	51.3	22.7	0.0	0.0	41.8	34.8	33.1	0.0	21.9			
Incr Delay (d2), s/veh	24.2	0.0	0.0	0.0	22.1	0.2	22.2	0.0	0.1			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	4.5	2.2	0.0	0.0	15.6	2.7	25.1	0.0	2.4			
LnGrp Delay(d),s/veh	75.5	22.7	0.0	0.0	63.9	34.9	55.3	0.0	22.0			
LnGrp LOS	E	C			E	C	E		C			
Approach Vol, veh/h		337			526			800				
Approach Delay, s/veh		40.9			58.1			50.5				
Approach LOS		D			E			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		55.8		57.4	16.2	39.6		
Change Period (Y+Rc), s		12.0		12.0	* 7.2	12.0		
Max Green Setting (Gmax), s		47.0		49.0	* 9.8	30.0		
Max Q Clear Time (g_c+I1), s		6.6		44.6	9.3	27.0		
Green Ext Time (p_c), s		0.8		0.8	0.0	0.6		

Intersection Summary	
HCM 2010 Ctrl Delay	51.0
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
66: Mission Gorge Road & I-8 EB Off Ramps

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	1120	1340	210	1160	950	320
Future Volume (veh/h)	1120	1340	210	1160	950	320
Number	1	16	3	8	4	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	1179	1164	221	1221	1000	242
Adj No. of Lanes	2	3	1	2	3	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1267	1329	267	1761	1088	263
Arrive On Green	0.37	0.37	0.15	0.50	0.27	0.27
Sat Flow, veh/h	3442	3610	1774	3632	4224	979
Grp Volume(v), veh/h	1179	1164	221	1221	835	407
Grp Sat Flow(s),veh/h/ln	1721	1203	1774	1770	1695	1645
Q Serve(g_s), s	19.6	17.9	7.2	15.8	14.3	14.3
Cycle Q Clear(g_c), s	19.6	17.9	7.2	15.8	14.3	14.3
Prop In Lane	1.00	1.00	1.00			0.60
Lane Grp Cap(c), veh/h	1267	1329	267	1761	910	442
V/C Ratio(X)	0.93	0.88	0.83	0.69	0.92	0.92
Avail Cap(c_a), veh/h	1270	1332	277	1781	910	442
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.1	17.6	24.6	11.5	21.2	21.2
Incr Delay (d2), s/veh	12.1	6.8	16.8	1.2	14.0	24.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.3	6.8	4.7	7.9	8.4	9.4
LnGrp Delay(d),s/veh	30.3	24.4	41.4	12.6	35.2	45.8
LnGrp LOS	C	C	D	B	D	D
Approach Vol, veh/h	2343			1442	1242	
Approach Delay, s/veh	27.3			17.0	38.7	
Approach LOS	C			B	D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs			3	4		6		8
Phs Duration (G+Y+Rc), s			13.7	20.0		26.0		33.7
Change Period (Y+Rc), s			* 4.7	4.0		4.0		4.0
Max Green Setting (Gmax), s			* 9.3	16.0		22.0		30.0
Max Q Clear Time (g_c+I1), s			9.2	16.3		21.6		17.8
Green Ext Time (p_c), s			0.0	0.0		0.3		6.1

Intersection Summary	
HCM 2010 Ctrl Delay	27.2
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
67: Qualcomm Way & Madison Avenue

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	360	50	40	30	60	510	70	910	60	70	610	120
Future Volume (veh/h)	360	50	40	30	60	510	70	910	60	70	610	120
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	379	53	15	32	63	305	74	958	52	74	642	115
Adj No. of Lanes	1	1	1	1	1	1	1	1	1	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	317	333	273	348	366	301	94	838	696	60	1288	230
Arrive On Green	0.18	0.18	0.18	0.20	0.20	0.20	0.05	0.45	0.45	0.03	0.43	0.43
Sat Flow, veh/h	1774	1863	1530	1774	1863	1535	1774	1863	1548	1774	2989	534
Grp Volume(v), veh/h	379	53	15	32	63	305	74	958	52	74	380	377
Grp Sat Flow(s),veh/h/ln	1774	1863	1530	1774	1863	1535	1774	1863	1548	1774	1770	1753
Q Serve(g_s), s	24.1	3.2	1.1	2.0	3.8	26.5	5.6	60.7	2.6	4.6	21.0	21.1
Cycle Q Clear(g_c), s	24.1	3.2	1.1	2.0	3.8	26.5	5.6	60.7	2.6	4.6	21.0	21.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.30
Lane Grp Cap(c), veh/h	317	333	273	348	366	301	94	838	696	60	763	756
V/C Ratio(X)	1.20	0.16	0.05	0.09	0.17	1.01	0.79	1.14	0.07	1.22	0.50	0.50
Avail Cap(c_a), veh/h	317	333	273	348	366	301	160	838	696	60	763	756
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	55.5	46.9	46.0	44.4	45.1	54.2	63.2	37.1	21.2	65.2	27.8	27.8
Incr Delay (d2), s/veh	115.1	0.1	0.0	0.0	0.1	55.0	5.5	78.8	0.1	188.1	0.7	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	21.9	1.7	0.5	1.0	2.0	15.9	2.9	49.5	1.1	5.4	10.4	10.3
LnGrp Delay(d),s/veh	170.6	47.0	46.0	44.4	45.2	109.3	68.7	115.9	21.2	253.3	28.5	28.6
LnGrp LOS	F	D	D	D	D	F	E	F	C	F	C	C
Approach Vol, veh/h		447			400			1084			831	
Approach Delay, s/veh		151.7			94.0			108.1			48.5	
Approach LOS		F			F			F			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.0	65.6		29.0	11.5	63.1		31.4
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	4.6	60.7		24.1	12.2	53.1		26.5
Max Q Clear Time (g_c+I1), s	6.6	62.7		26.1	7.6	23.1		28.5
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	6.7		0.0

Intersection Summary		
HCM 2010 Ctrl Delay		95.2
HCM 2010 LOS		F

HCM 2010 Signalized Intersection Summary
68: Franklin Ridge Road & Phyllis Place

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	65	35	1035	60	35	1190
Future Volume (veh/h)	65	35	1035	60	35	1190
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863	1863	1863
Adj Flow Rate, veh/h	68	0	1089	63	37	82
Adj No. of Lanes	2	0	2	1	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	678	0	1425	1317	160	1405
Arrive On Green	0.19	0.00	0.41	0.71	0.09	0.09
Sat Flow, veh/h	3725	0	3442	1863	1774	2787
Grp Volume(v), veh/h	68	0	1089	63	37	82
Grp Sat Flow(s),veh/h/ln	1770	0	1721	1863	1774	1393
Q Serve(g_s), s	0.7	0.0	12.0	0.5	0.9	0.7
Cycle Q Clear(g_c), s	0.7	0.0	12.0	0.5	0.9	0.7
Prop In Lane		0.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	678	0	1425	1317	160	1405
V/C Ratio(X)	0.10	0.00	0.76	0.05	0.23	0.06
Avail Cap(c_a), veh/h	2154	0	2522	2688	1080	2850
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.8	0.0	11.1	2.0	18.7	5.6
Incr Delay (d2), s/veh	0.1	0.0	0.9	0.0	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	5.8	0.2	0.5	0.3
LnGrp Delay(d),s/veh	14.8	0.0	12.0	2.0	19.5	5.6
LnGrp LOS	B		B	A	B	A
Approach Vol, veh/h	68			1152	119	
Approach Delay, s/veh	14.8			11.5	9.9	
Approach LOS	B			B	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		8.5	22.9	13.0				35.9
Change Period (Y+Rc), s		4.5	4.5	4.5				4.5
Max Green Setting (Gmax), s		27.0	32.5	27.0				64.0
Max Q Clear Time (g_c+I1), s		2.9	14.0	2.7				2.5
Green Ext Time (p_c), s		0.4	4.3	0.3				0.3

Intersection Summary	
HCM 2010 Ctrl Delay	11.5
HCM 2010 LOS	B

HCM 2010 Signalized Intersection Summary
69: Franklin Ridge Road & Via Alta

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	455	10	170	20	20	20	120	750	10	10	580	480
Future Volume (veh/h)	455	10	170	20	20	20	120	750	10	10	580	480
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.98	0.99		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	479	11	116	21	21	10	126	789	6	11	611	242
Adj No. of Lanes	1	1	0	0	1	0	1	1	0	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	572	49	519	241	232	99	128	886	7	19	779	647
Arrive On Green	0.36	0.36	0.36	0.36	0.36	0.36	0.07	0.48	0.48	0.01	0.42	0.42
Sat Flow, veh/h	1357	137	1443	513	645	276	1774	1846	14	1774	1863	1545
Grp Volume(v), veh/h	479	0	127	52	0	0	126	0	795	11	611	242
Grp Sat Flow(s),veh/h/ln	1357	0	1579	1434	0	0	1774	0	1860	1774	1863	1545
Q Serve(g_s), s	26.0	0.0	5.1	0.1	0.0	0.0	6.4	0.0	35.1	0.6	25.6	9.7
Cycle Q Clear(g_c), s	31.1	0.0	5.1	5.1	0.0	0.0	6.4	0.0	35.1	0.6	25.6	9.7
Prop In Lane	1.00		0.91	0.40		0.19	1.00		0.01	1.00		1.00
Lane Grp Cap(c), veh/h	572	0	569	572	0	0	128	0	892	19	779	647
V/C Ratio(X)	0.84	0.00	0.22	0.09	0.00	0.00	0.99	0.00	0.89	0.58	0.78	0.37
Avail Cap(c_a), veh/h	572	0	569	572	0	0	128	0	1236	79	1186	984
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.3	0.0	20.1	19.1	0.0	0.0	41.8	0.0	21.3	44.5	22.7	18.1
Incr Delay (d2), s/veh	10.5	0.0	0.2	0.1	0.0	0.0	75.3	0.0	6.4	25.1	2.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.4	0.0	2.2	0.9	0.0	0.0	5.8	0.0	19.5	0.4	13.5	4.2
LnGrp Delay(d),s/veh	38.9	0.0	20.3	19.1	0.0	0.0	117.1	0.0	27.8	69.5	24.7	18.5
LnGrp LOS	D		C	B			F		C	E	C	B
Approach Vol, veh/h		606			52			921			864	
Approach Delay, s/veh		35.0			19.1			40.0			23.5	
Approach LOS		C			B			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.5	47.8		37.0	11.0	42.3		37.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	4.0	60.0		32.5	6.5	57.5		32.5
Max Q Clear Time (g_c+I1), s	2.6	37.1		33.1	8.4	27.6		7.1
Green Ext Time (p_c), s	0.0	6.3		0.0	0.0	5.6		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	32.5
HCM 2010 LOS	C

HCM 2010 Signalized Intersection Summary
70: Qualcomm Way & Civita Boulevard

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	200	320	500	170	240	550
Future Volume (veh/h)	200	320	500	170	240	550
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.94	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	211	232	526	179	253	453
Adj No. of Lanes	2	1	2	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	631	266	604	715	1685	1053
Arrive On Green	0.18	0.18	0.18	0.38	0.49	0.49
Sat Flow, veh/h	3632	1494	3442	1863	3442	1583
Grp Volume(v), veh/h	211	232	526	179	253	453
Grp Sat Flow(s),veh/h/ln	1770	1494	1721	1863	1721	1583
Q Serve(g_s), s	7.8	22.7	22.3	9.8	6.1	20.1
Cycle Q Clear(g_c), s	7.8	22.7	22.3	9.8	6.1	20.1
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	631	266	604	715	1685	1053
V/C Ratio(X)	0.33	0.87	0.87	0.25	0.15	0.43
Avail Cap(c_a), veh/h	1026	433	1296	1298	1685	1053
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.96	0.96	0.98	0.98
Uniform Delay (d), s/veh	53.9	60.0	60.2	31.5	21.1	11.8
Incr Delay (d2), s/veh	0.3	10.5	3.9	0.2	0.2	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.9	10.1	10.9	5.1	2.9	9.1
LnGrp Delay(d),s/veh	54.2	70.5	64.1	31.7	21.3	13.0
LnGrp LOS	D	E	E	C	C	B
Approach Vol, veh/h	443			705	706	
Approach Delay, s/veh	62.7			55.9	16.0	
Approach LOS	E			E	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		83.0	30.8	36.2				67.0
Change Period (Y+Rc), s		9.5	4.5	9.5				9.5
Max Green Setting (Gmax), s		26.5	56.5	43.5				104.5
Max Q Clear Time (g_c+I1), s		22.1	24.3	24.7				11.8
Green Ext Time (p_c), s		1.2	2.0	2.1				1.1

Intersection Summary	
HCM 2010 Ctrl Delay	42.3
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
71: Franklin Ridge Road & Civita Boulevard

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	700	50	50	20	100	620
Future Volume (veh/h)	700	50	50	20	100	620
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	737	21	53	21	105	21
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	836	746	130	643	335	1015
Arrive On Green	0.47	0.47	0.07	0.35	0.18	0.18
Sat Flow, veh/h	1774	1583	1774	1863	1863	1495
Grp Volume(v), veh/h	737	21	53	21	105	21
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1863	1863	1495
Q Serve(g_s), s	18.4	0.3	1.4	0.4	2.4	0.2
Cycle Q Clear(g_c), s	18.4	0.3	1.4	0.4	2.4	0.2
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	836	746	130	643	335	1015
V/C Ratio(X)	0.88	0.03	0.41	0.03	0.31	0.02
Avail Cap(c_a), veh/h	1393	1244	253	1235	798	1387
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	11.7	6.9	21.7	10.6	17.5	3.0
Incr Delay (d2), s/veh	3.9	0.0	2.0	0.0	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.7	0.4	0.8	0.2	1.3	0.2
LnGrp Delay(d),s/veh	15.6	7.0	23.7	10.7	18.0	3.0
LnGrp LOS	B	A	C	B	B	A
Approach Vol, veh/h	758			74	126	
Approach Delay, s/veh	15.4			20.0	15.5	
Approach LOS	B			C	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		21.4		27.6	8.1	13.3		
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5		
Max Green Setting (Gmax), s		32.5		38.5	7.0	21.0		
Max Q Clear Time (g_c+I1), s		2.4		20.4	3.4	4.4		
Green Ext Time (p_c), s		0.1		2.7	0.0	0.5		

Intersection Summary	
HCM 2010 Ctrl Delay	15.7
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
72: Fenton Parkway & Street "I"

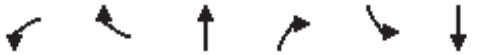


Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	280	320	380	80	120	380
Future Volume (veh/h)	280	320	380	80	120	380
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.96	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	295	14	400	39	126	400
Adj No. of Lanes	1	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	390	348	878	85	246	1885
Arrive On Green	0.22	0.22	0.27	0.27	0.14	0.53
Sat Flow, veh/h	1774	1583	3341	315	1774	3632
Grp Volume(v), veh/h	295	14	217	222	126	400
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1793	1774	1770
Q Serve(g_s), s	5.7	0.3	3.7	3.8	2.4	2.2
Cycle Q Clear(g_c), s	5.7	0.3	3.7	3.8	2.4	2.2
Prop In Lane	1.00	1.00		0.18	1.00	
Lane Grp Cap(c), veh/h	390	348	478	485	246	1885
V/C Ratio(X)	0.76	0.04	0.45	0.46	0.51	0.21
Avail Cap(c_a), veh/h	888	792	900	912	478	3192
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.3	11.2	11.0	11.1	14.5	4.5
Incr Delay (d2), s/veh	3.0	0.0	0.7	0.7	1.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.0	0.1	1.9	1.9	1.3	1.1
LnGrp Delay(d),s/veh	16.3	11.2	11.7	11.7	16.2	4.5
LnGrp LOS	B	B	B	B	B	A
Approach Vol, veh/h	309		439			526
Approach Delay, s/veh	16.0		11.7			7.3
Approach LOS	B		B			A

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	9.5	14.3				23.9		12.5
Change Period (Y+Rc), s	4.5	4.5				4.5		4.5
Max Green Setting (Gmax), s	9.8	18.5				32.8		18.2
Max Q Clear Time (g_c+I1), s	4.4	5.8				4.2		7.7
Green Ext Time (p_c), s	0.1	2.2				2.9		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	11.0
HCM 2010 LOS	B

HCM 2010 Signalized Intersection Summary
73: Via Las Cumbres & Riverwalk Drive



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	90	40	530	60	20	620
Future Volume (veh/h)	90	40	530	60	20	620
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.97	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	95	10	558	42	21	653
Adj No. of Lanes	1	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	228	204	993	75	66	1649
Arrive On Green	0.13	0.13	0.30	0.30	0.04	0.47
Sat Flow, veh/h	1774	1583	3421	250	1774	3632
Grp Volume(v), veh/h	95	10	296	304	21	653
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1808	1774	1770
Q Serve(g_s), s	1.7	0.2	4.9	4.9	0.4	4.2
Cycle Q Clear(g_c), s	1.7	0.2	4.9	4.9	0.4	4.2
Prop In Lane	1.00	1.00		0.14	1.00	
Lane Grp Cap(c), veh/h	228	204	528	540	66	1649
V/C Ratio(X)	0.42	0.05	0.56	0.56	0.32	0.40
Avail Cap(c_a), veh/h	1393	1243	1143	1168	365	3988
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.8	13.2	10.2	10.2	16.2	6.0
Incr Delay (d2), s/veh	1.2	0.1	0.9	0.9	2.8	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.1	2.4	2.6	0.2	2.0
LnGrp Delay(d),s/veh	15.1	13.3	11.1	11.1	19.0	6.2
LnGrp LOS	B	B	B	B	B	A
Approach Vol, veh/h	105		600			674
Approach Delay, s/veh	14.9		11.1			6.6
Approach LOS	B		B			A

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	5.8	19.8				25.6		8.9
Change Period (Y+Rc), s	4.5	9.5				* 9.5		4.5
Max Green Setting (Gmax), s	7.1	22.3				* 39		27.1
Max Q Clear Time (g_c+I1), s	2.4	6.9				6.2		3.7
Green Ext Time (p_c), s	0.0	3.1				4.8		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	9.2
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
74: Fashion Valley Road & Riverwalk Drive/Avenida Del Rio

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	350	90	70	150	90	180	370	150	80	200	70
Future Volume (veh/h)	90	350	90	70	150	90	180	370	150	80	200	70
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	95	368	74	74	158	53	189	389	74	84	211	11
Adj No. of Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	125	407	82	116	354	119	220	1003	189	121	968	50
Arrive On Green	0.07	0.27	0.27	0.07	0.27	0.27	0.25	0.68	0.68	0.07	0.28	0.28
Sat Flow, veh/h	1774	1500	302	1774	1327	445	1774	2957	557	1774	3417	177
Grp Volume(v), veh/h	95	0	442	74	0	211	189	231	232	84	109	113
Grp Sat Flow(s),veh/h/ln	1774	0	1801	1774	0	1772	1774	1770	1745	1774	1770	1824
Q Serve(g_s), s	4.7	0.0	21.3	3.7	0.0	8.9	9.2	5.1	5.2	4.2	4.2	4.3
Cycle Q Clear(g_c), s	4.7	0.0	21.3	3.7	0.0	8.9	9.2	5.1	5.2	4.2	4.2	4.3
Prop In Lane	1.00		0.17	1.00		0.25	1.00		0.32	1.00		0.10
Lane Grp Cap(c), veh/h	125	0	489	116	0	472	220	600	592	121	501	517
V/C Ratio(X)	0.76	0.00	0.90	0.64	0.00	0.45	0.86	0.38	0.39	0.69	0.22	0.22
Avail Cap(c_a), veh/h	207	0	550	140	0	475	268	600	592	193	501	517
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.95	0.95	0.95	0.86	0.86	0.86
Uniform Delay (d), s/veh	41.1	0.0	31.7	41.0	0.0	27.5	33.1	10.4	10.4	41.0	24.6	24.6
Incr Delay (d2), s/veh	9.0	0.0	17.2	6.8	0.0	0.7	19.4	1.8	1.9	6.0	0.9	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	0.0	12.9	2.0	0.0	4.4	5.6	2.7	2.7	2.3	2.2	2.3
LnGrp Delay(d),s/veh	50.1	0.0	48.8	47.8	0.0	28.2	52.4	12.2	12.3	47.0	25.5	25.5
LnGrp LOS	D		D	D		C	D	B	B	D	C	C
Approach Vol, veh/h		537			285			652			306	
Approach Delay, s/veh		49.0			33.3			23.9			31.4	
Approach LOS		D			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.6	40.0	10.4	28.9	15.7	35.0	10.8	28.5
Change Period (Y+Rc), s	4.5	9.5	4.5	4.5	4.5	9.5	4.5	4.5
Max Green Setting (Gmax), s	9.8	22.6	7.1	27.5	13.6	18.8	10.5	24.1
Max Q Clear Time (g_c+I1), s	6.2	7.2	5.7	23.3	11.2	6.3	6.7	10.9
Green Ext Time (p_c), s	0.0	2.3	0.0	1.1	0.1	0.9	0.1	0.9

Intersection Summary	
HCM 2010 Ctrl Delay	34.3
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
75: Avenida Del Rio & Harzard Center Drive & Fashion Valley Mall

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	350	100	60	280	30	150	150	160	20	50	20
Future Volume (veh/h)	50	350	100	60	280	30	150	150	160	20	50	20
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.96	1.00		0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	53	368	84	63	295	21	158	158	94	21	53	10
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	127	445	101	141	535	38	210	262	156	62	241	46
Arrive On Green	0.07	0.30	0.30	0.08	0.31	0.31	0.12	0.24	0.24	0.04	0.16	0.16
Sat Flow, veh/h	1774	1462	334	1774	1714	122	1774	1077	641	1774	1506	284
Grp Volume(v), veh/h	53	0	452	63	0	316	158	0	252	21	0	63
Grp Sat Flow(s),veh/h/ln	1774	0	1796	1774	0	1836	1774	0	1717	1774	0	1790
Q Serve(g_s), s	1.5	0.0	12.5	1.8	0.0	7.6	4.6	0.0	6.9	0.6	0.0	1.6
Cycle Q Clear(g_c), s	1.5	0.0	12.5	1.8	0.0	7.6	4.6	0.0	6.9	0.6	0.0	1.6
Prop In Lane	1.00		0.19	1.00		0.07	1.00		0.37	1.00		0.16
Lane Grp Cap(c), veh/h	127	0	546	141	0	573	210	0	419	62	0	287
V/C Ratio(X)	0.42	0.00	0.83	0.45	0.00	0.55	0.75	0.00	0.60	0.34	0.00	0.22
Avail Cap(c_a), veh/h	233	0	690	236	0	709	536	0	882	233	0	614
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	23.7	0.0	17.3	23.4	0.0	15.2	22.7	0.0	17.9	25.1	0.0	19.5
Incr Delay (d2), s/veh	2.2	0.0	6.7	2.2	0.0	0.8	5.3	0.0	1.4	3.1	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.0	7.2	1.0	0.0	4.0	2.5	0.0	3.5	0.4	0.0	0.8
LnGrp Delay(d),s/veh	25.9	0.0	24.0	25.6	0.0	16.1	28.1	0.0	19.3	28.3	0.0	19.9
LnGrp LOS	C		C	C		B	C		B	C		B
Approach Vol, veh/h		505			379			410			84	
Approach Delay, s/veh		24.2			17.6			22.7			22.0	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	6.4	17.5	8.7	20.7	10.8	13.0	8.3	21.2
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	7.0	27.4	7.1	20.5	16.1	18.3	7.0	20.6
Max Q Clear Time (g_c+I1), s	2.6	8.9	3.8	14.5	6.6	3.6	3.5	9.6
Green Ext Time (p_c), s	0.0	1.4	0.0	1.5	0.3	0.2	0.0	1.4

Intersection Summary	
HCM 2010 Ctrl Delay	21.8
HCM 2010 LOS	C

HCM 2010 Signalized Intersection Summary
76: Via Las Cumbres & Levi Cushman Street "B"



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	510	90	500	250	90	620
Future Volume (veh/h)	510	90	500	250	90	620
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.96	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	537	11	526	105	95	653
Adj No. of Lanes	1	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	615	549	784	156	185	1650
Arrive On Green	0.35	0.35	0.27	0.27	0.10	0.47
Sat Flow, veh/h	1774	1583	3016	580	1774	3632
Grp Volume(v), veh/h	537	11	317	314	95	653
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1734	1774	1770
Q Serve(g_s), s	13.7	0.2	7.7	7.8	2.4	5.8
Cycle Q Clear(g_c), s	13.7	0.2	7.7	7.8	2.4	5.8
Prop In Lane	1.00	1.00		0.33	1.00	
Lane Grp Cap(c), veh/h	615	549	475	465	185	1650
V/C Ratio(X)	0.87	0.02	0.67	0.67	0.51	0.40
Avail Cap(c_a), veh/h	792	707	661	648	258	2168
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.7	10.3	15.7	15.7	20.4	8.4
Incr Delay (d2), s/veh	8.6	0.0	1.6	1.7	2.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.0	0.1	3.9	3.9	1.3	2.8
LnGrp Delay(d),s/veh	23.4	10.4	17.3	17.5	22.6	8.6
LnGrp LOS	C	B	B	B	C	A
Approach Vol, veh/h	548		631			748
Approach Delay, s/veh	23.1		17.4			10.3
Approach LOS	C		B			B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	9.5	17.4				27.0		21.2
Change Period (Y+Rc), s	4.5	4.5				4.5		4.5
Max Green Setting (Gmax), s	7.0	18.0				29.5		21.5
Max Q Clear Time (g_c+I1), s	4.4	9.8				7.8		15.7
Green Ext Time (p_c), s	0.0	2.4				4.4		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	16.3
HCM 2010 LOS	B

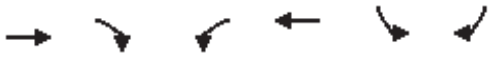
HCM 2010 Signalized Intersection Summary
77: Fashion Valley Road & Levi Cushman Street "B"



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	150	130	350	650	110	250
Future Volume (veh/h)	150	130	350	650	110	250
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	158	21	368	684	116	21
Adj No. of Lanes	1	1	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	199	177	405	2592	1360	240
Arrive On Green	0.11	0.11	0.23	0.73	0.45	0.45
Sat Flow, veh/h	1774	1583	1774	3632	3089	529
Grp Volume(v), veh/h	158	21	368	684	67	70
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1755
Q Serve(g_s), s	7.8	1.1	18.2	5.8	1.9	2.0
Cycle Q Clear(g_c), s	7.8	1.1	18.2	5.8	1.9	2.0
Prop In Lane	1.00	1.00	1.00			0.30
Lane Grp Cap(c), veh/h	199	177	405	2592	803	797
V/C Ratio(X)	0.79	0.12	0.91	0.26	0.08	0.09
Avail Cap(c_a), veh/h	463	413	463	2592	803	797
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.93	0.93	0.89	0.89	0.94	0.94
Uniform Delay (d), s/veh	38.9	36.0	33.8	4.0	14.0	14.0
Incr Delay (d2), s/veh	6.6	0.3	18.2	0.2	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.2	1.0	10.9	2.8	1.0	1.0
LnGrp Delay(d),s/veh	45.5	36.2	52.0	4.2	14.1	14.2
LnGrp LOS	D	D	D	A	B	B
Approach Vol, veh/h	179			1052	137	
Approach Delay, s/veh	44.4			20.9	14.2	
Approach LOS	D			C	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		75.4		14.6	25.1	50.3		
Change Period (Y+Rc), s		9.5		4.5	4.5	9.5		
Max Green Setting (Gmax), s		52.5		23.5	23.5	24.5		
Max Q Clear Time (g_c+I1), s		7.8		9.8	20.2	4.0		
Green Ext Time (p_c), s		5.3		0.4	0.4	0.6		

Intersection Summary	
HCM 2010 Ctrl Delay	23.3
HCM 2010 LOS	C



Lane Group	EBT	EBR	WBL	WBT	SBL	SBR
Lane Group Flow (vph)	1558	32	442	274	326	768
v/c Ratio	0.91	0.04	0.88	0.11	0.92	0.49
Control Delay	31.3	0.1	58.6	5.2	68.3	1.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.3	0.1	58.6	5.2	68.3	1.1
Queue Length 50th (ft)	422	0	128	25	181	0
Queue Length 95th (ft)	#588	0	#210	38	#331	0
Internal Link Dist (ft)	1049			488		
Turn Bay Length (ft)		400	120			180
Base Capacity (vph)	1713	781	507	2414	371	1552
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.91	0.04	0.87	0.11	0.88	0.49

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	NBT	NBR
Lane Group Flow (vph)	1284	600	1116	137	284
v/c Ratio	0.97	0.21	0.90	0.81	0.72
Control Delay	51.8	2.8	37.9	78.6	16.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	51.8	2.8	37.9	78.6	16.5
Queue Length 50th (ft)	~466	41	313	86	0
Queue Length 95th (ft)	#596	53	400	#186	#85
Internal Link Dist (ft)		488	1239	905	
Turn Bay Length (ft)	225				
Base Capacity (vph)	1317	2817	1324	180	403
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.97	0.21	0.84	0.76	0.70

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	SBL	SBT
Lane Group Flow (vph)	879	442	405	426	274	747
v/c Ratio	0.83	0.60	0.81	0.46	0.21	0.94
Control Delay	41.6	8.4	56.8	19.7	20.6	38.2
Queue Delay	0.7	0.0	0.0	0.0	0.0	0.0
Total Delay	42.2	8.4	56.8	19.7	20.6	38.2
Queue Length 50th (ft)	302	20	145	195	62	316
Queue Length 95th (ft)	382	110	#224	281	91	#586
Internal Link Dist (ft)	365			594		1186
Turn Bay Length (ft)		200	250			
Base Capacity (vph)	1229	790	549	1037	1634	901
Starvation Cap Reductn	111	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.79	0.56	0.74	0.41	0.17	0.83

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	NBT	NBR
Lane Group Flow (vph)	774	379	790	358	500
v/c Ratio	0.98	0.36	0.77	0.68	0.69
Control Delay	65.6	13.6	31.4	34.0	11.9
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	65.6	13.6	31.4	34.0	11.9
Queue Length 50th (ft)	191	88	162	159	43
Queue Length 95th (ft)	#508	233	307	296	166
Internal Link Dist (ft)		594	1043	1756	
Turn Bay Length (ft)	200				
Base Capacity (vph)	789	1334	1484	933	976
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.98	0.28	0.53	0.38	0.51

Intersection Summary

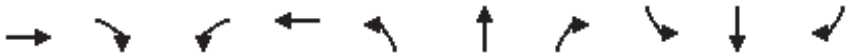
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	84	53	105	295	200	74	505	200	63	32	316	305
v/c Ratio	0.60	0.11	0.22	0.70	0.36	0.14	0.92	0.12	0.08	0.42	0.27	0.44
Control Delay	79.5	34.2	4.5	67.5	37.6	1.2	80.7	28.3	3.8	81.1	41.6	7.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.5	34.2	4.5	67.5	37.6	1.2	80.7	28.3	3.8	81.1	41.6	7.2
Queue Length 50th (ft)	75	30	0	135	115	0	236	70	0	29	135	0
Queue Length 95th (ft)	129	64	30	178	184	6	#337	103	21	65	185	85
Internal Link Dist (ft)		193			1307			610			1184	
Turn Bay Length (ft)	170			290		200	240			200		200
Base Capacity (vph)	323	591	571	627	640	601	560	1852	834	85	1345	765
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.26	0.09	0.18	0.47	0.31	0.12	0.90	0.11	0.08	0.38	0.23	0.40

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	95	195	205	84	258	653	68	32	589	95
v/c Ratio	0.50	0.41	0.59	0.23	0.58	0.36	0.12	0.29	0.69	0.21
Control Delay	53.5	8.7	43.8	25.7	46.9	25.2	0.7	55.8	38.9	1.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	53.5	8.7	43.8	25.7	46.9	25.2	0.7	55.8	38.9	1.6
Queue Length 50th (ft)	54	15	112	26	74	110	0	18	164	0
Queue Length 95th (ft)	125	49	223	78	141	174	3	59	279	5
Internal Link Dist (ft)	251			993		253			610	
Turn Bay Length (ft)		70	120		120		200	150		200
Base Capacity (vph)	610	583	563	557	698	2692	794	133	1421	666
Starvation Cap Reductn	0	0	0	0	0	500	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.16	0.33	0.36	0.15	0.37	0.30	0.09	0.24	0.41	0.14

Intersection Summary



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	605	280	1316	600	200	800
v/c Ratio	0.69	0.57	0.87	0.56	0.74	0.39
Control Delay	27.7	13.7	28.0	5.7	51.7	9.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	27.7	13.7	28.0	5.7	51.7	9.7
Queue Length 50th (ft)	122	40	258	67	44	86
Queue Length 95th (ft)	170	113	#492	108	#110	171
Internal Link Dist (ft)	1397		566			1235
Turn Bay Length (ft)		230			280	
Base Capacity (vph)	1360	660	1535	1284	272	2077
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.44	0.42	0.86	0.47	0.74	0.39

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	305	484	895	821	263	126
v/c Ratio	0.78	0.22	0.79	0.77	0.74	0.15
Control Delay	56.0	9.4	40.4	10.8	54.1	0.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	56.0	9.4	40.4	10.8	54.1	0.4
Queue Length 50th (ft)	209	73	304	127	186	0
Queue Length 95th (ft)	#349	98	382	254	#320	0
Internal Link Dist (ft)		3086	1666			
Turn Bay Length (ft)	220			190		120
Base Capacity (vph)	393	2302	1228	1067	356	835
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.78	0.21	0.73	0.77	0.74	0.15

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	58	558	53	1969	95	53	95	74
v/c Ratio	0.67	0.26	0.42	0.88	0.42	0.16	0.44	0.23
Control Delay	83.3	11.1	55.9	24.0	39.6	5.0	40.4	14.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	83.3	11.1	55.9	24.0	39.6	5.0	40.4	14.5
Queue Length 50th (ft)	33	64	29	414	52	0	52	11
Queue Length 95th (ft)	#115	153	77	#943	97	19	98	47
Internal Link Dist (ft)		1666		908	489			1477
Turn Bay Length (ft)	160		200				40	
Base Capacity (vph)	87	2161	163	2231	427	542	408	558
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.67	0.26	0.33	0.88	0.22	0.10	0.23	0.13

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	146	584	295	1337	489	126	179	221	147	368
v/c Ratio	0.84	0.57	0.82	0.94	0.67	0.83	0.47	0.45	0.85	0.92
Control Delay	101.5	45.0	73.4	55.3	21.1	104.9	55.1	9.0	101.9	80.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	101.5	45.0	73.4	55.3	21.1	104.9	55.1	9.0	101.9	80.9
Queue Length 50th (ft)	143	244	280	648	188	124	154	0	144	334
Queue Length 95th (ft)	#273	331	370	#795	322	#246	233	72	#277	#521
Internal Link Dist (ft)		931		958			859			325
Turn Bay Length (ft)	190				200	250			115	
Base Capacity (vph)	179	1022	470	1543	771	154	423	516	179	439
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.82	0.57	0.63	0.87	0.63	0.82	0.42	0.43	0.82	0.84

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT
Lane Group Flow (vph)	5	695	126	1685	194	126	31
v/c Ratio	0.05	0.38	0.59	0.91	0.65	0.36	0.12
Control Delay	41.2	23.2	44.9	23.1	33.8	23.0	21.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	41.2	23.2	44.9	23.1	33.8	23.0	21.7
Queue Length 50th (ft)	3	95	69	319	117	54	12
Queue Length 95th (ft)	14	164	m88	#828	166	74	30
Internal Link Dist (ft)		999		594	1292		249
Turn Bay Length (ft)	180		200				
Base Capacity (vph)	95	1850	222	1849	505	597	498
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.38	0.57	0.91	0.38	0.21	0.06

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	821	74	1779	21	95
v/c Ratio	0.25	0.30	0.67	0.07	0.25
Control Delay	16.5	39.6	12.7	24.9	3.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	16.5	39.6	12.7	24.9	3.2
Queue Length 50th (ft)	35	21	117	12	0
Queue Length 95th (ft)	180	33	#674	24	15
Internal Link Dist (ft)	594		1246		
Turn Bay Length (ft)		300			
Base Capacity (vph)	3296	686	2666	629	634
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.25	0.11	0.67	0.03	0.15

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	5	879	105	1810	21	21	16	42	16
v/c Ratio	0.06	0.28	0.27	0.47	0.09	0.08	0.04	0.18	0.05
Control Delay	31.8	7.6	36.1	9.6	25.6	12.6	0.2	28.1	14.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.8	7.6	36.1	9.6	25.6	12.6	0.2	28.1	14.0
Queue Length 50th (ft)	3	6	29	81	11	3	0	23	3
Queue Length 95th (ft)	m13	193	46	368	24	18	0	40	16
Internal Link Dist (ft)		1246		672		252			222
Turn Bay Length (ft)	150		410						
Base Capacity (vph)	90	3388	410	3864	457	523	586	454	554
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.06	0.26	0.26	0.47	0.05	0.04	0.03	0.09	0.03

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	147	426	337	558	1211	505	589	21	853	368	137
v/c Ratio	0.59	0.28	0.35	0.81	0.55	0.28	0.84	0.05	0.72	0.63	0.38
Control Delay	77.1	43.6	2.2	67.3	34.7	1.4	68.0	45.8	31.5	61.9	15.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.7
Total Delay	77.1	43.6	2.2	67.3	34.7	1.4	68.0	45.8	31.5	65.2	15.8
Queue Length 50th (ft)	72	126	0	267	346	0	286	17	307	166	17
Queue Length 95th (ft)	112	171	27	331	417	25	342	40	354	221	78
Internal Link Dist (ft)		672			1085			378			209
Turn Bay Length (ft)			100						300		
Base Capacity (vph)	264	1544	985	772	2205	1947	799	433	1259	755	435
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	286	119
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.56	0.28	0.34	0.72	0.55	0.26	0.74	0.05	0.68	0.78	0.43

Intersection Summary



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	485	1096	1455	747	828	727
v/c Ratio	0.77	0.26	0.55	0.49	0.69	0.63
Control Delay	43.8	7.1	21.9	2.8	34.4	5.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	43.8	7.1	21.9	2.8	34.4	5.9
Queue Length 50th (ft)	135	72	187	0	148	10
Queue Length 95th (ft)	184	88	231	39	191	59
Internal Link Dist (ft)		1085	634		856	
Turn Bay Length (ft)	260					
Base Capacity (vph)	724	4165	2631	1529	1279	1196
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.67	0.26	0.55	0.49	0.65	0.61

Intersection Summary



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	656	823	443	83	1813	83	125	167	42	63	250
v/c Ratio	1.11	0.26	0.30	0.48	0.99	0.13	0.56	0.22	0.27	0.16	0.33
Control Delay	122.3	23.3	2.8	75.6	63.4	0.4	74.0	34.2	72.5	40.8	5.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	122.3	23.3	2.8	75.6	63.4	0.4	74.0	34.2	72.5	40.8	5.5
Queue Length 50th (ft)	~415	153	0	41	~752	0	62	51	21	45	0
Queue Length 95th (ft)	#541	181	36	71	#846	0	98	83	43	84	35
Internal Link Dist (ft)		634			586			693		685	
Turn Bay Length (ft)	200			130			200		140		
Base Capacity (vph)	589	3121	1467	195	1824	633	263	1150	156	635	1085
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.11	0.26	0.30	0.43	0.99	0.13	0.48	0.15	0.27	0.10	0.23

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBT	WBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	81	87	347	163	602	673	286
v/c Ratio	0.35	0.37	0.79	0.56	0.24	0.32	0.31
Control Delay	55.0	55.7	28.2	66.0	8.8	16.8	2.9
Queue Delay	0.0	0.0	0.0	0.0	0.2	1.0	0.7
Total Delay	55.0	55.7	28.2	66.0	9.0	17.7	3.6
Queue Length 50th (ft)	67	72	74	80	129	174	0
Queue Length 95th (ft)	115	124	185	95	93	246	48
Internal Link Dist (ft)		857			286	253	
Turn Bay Length (ft)	370		370				
Base Capacity (vph)	454	457	608	480	2526	2087	916
Starvation Cap Reductn	0	0	0	0	1116	1081	351
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.18	0.19	0.57	0.34	0.43	0.67	0.51

Intersection Summary



Lane Group	EBL	EBT	EBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	100	100	200	611	168	200	663
v/c Ratio	0.60	0.58	0.60	0.27	0.18	0.65	0.25
Control Delay	74.0	72.7	14.9	9.9	1.1	68.6	4.6
Queue Delay	0.0	0.0	0.1	0.8	0.8	0.0	0.3
Total Delay	74.0	72.7	15.0	10.7	1.9	68.6	4.9
Queue Length 50th (ft)	93	93	0	86	0	86	46
Queue Length 95th (ft)	152	152	74	124	11	141	121
Internal Link Dist (ft)		604		170			286
Turn Bay Length (ft)	250		100			120	
Base Capacity (vph)	218	224	376	2226	941	554	2649
Starvation Cap Reductn	0	0	0	1238	534	0	1294
Spillback Cap Reductn	0	0	9	0	0	0	168
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.45	0.54	0.62	0.41	0.36	0.49

Intersection Summary



Lane Group	WBL	WBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	327	296	520	531	643	194
v/c Ratio	0.85	0.53	0.80	0.23	0.30	0.29
Control Delay	75.4	9.7	44.3	14.2	14.5	1.4
Queue Delay	0.0	0.0	0.6	1.6	0.0	0.0
Total Delay	75.4	9.7	44.8	15.8	14.5	1.4
Queue Length 50th (ft)	309	15	201	174	54	0
Queue Length 95th (ft)	395	93	227	192	101	11
Internal Link Dist (ft)		714		277	424	
Turn Bay Length (ft)	320					
Base Capacity (vph)	499	643	849	2267	2139	676
Starvation Cap Reductn	0	0	95	1511	0	0
Spillback Cap Reductn	0	0	0	0	36	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.66	0.46	0.69	0.70	0.31	0.29

Intersection Summary



Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	68	137	1021	316	232	768
v/c Ratio	0.31	0.42	0.48	0.35	0.70	0.30
Control Delay	58.6	11.8	15.4	3.7	69.9	8.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.9
Total Delay	58.6	11.8	15.4	3.7	69.9	9.4
Queue Length 50th (ft)	60	0	124	0	94	181
Queue Length 95th (ft)	109	60	185	27	143	321
Internal Link Dist (ft)	357		608			277
Turn Bay Length (ft)		360				
Base Capacity (vph)	373	450	2139	911	746	2592
Starvation Cap Reductn	0	0	0	0	0	1465
Spillback Cap Reductn	0	0	13	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.18	0.30	0.48	0.35	0.31	0.68

Intersection Summary



Lane Group	EBL	EBT	EBR	WBL	WBT	NBT	NBR	SBT
Lane Group Flow (vph)	137	1021	95	242	2343	231	126	95
v/c Ratio	0.86	0.54	0.15	0.74	1.00	0.67	0.26	0.24
Control Delay	83.0	23.7	2.9	45.8	42.7	36.7	4.3	15.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	83.0	23.7	2.9	45.8	42.7	36.7	4.3	15.4
Queue Length 50th (ft)	66	135	0	111	380	104	0	21
Queue Length 95th (ft)	#194	245	20	201	#668	175	29	55
Internal Link Dist (ft)		1668			1034	780		453
Turn Bay Length (ft)	220			240			60	
Base Capacity (vph)	160	1903	637	460	2339	529	671	579
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.86	0.54	0.15	0.53	1.00	0.44	0.19	0.16

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	105	832	242	263	2184	42	305	84	168	95	210	53
v/c Ratio	0.51	0.40	0.26	0.73	0.95	0.05	1.06	0.19	0.34	0.52	0.59	0.10
Control Delay	76.9	34.0	3.0	76.8	50.0	0.2	132.8	45.2	7.6	79.4	57.8	0.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	76.9	34.0	3.0	76.8	50.0	0.2	132.8	45.2	7.6	79.4	57.8	0.4
Queue Length 50th (ft)	52	226	0	130	~848	0	~168	63	0	47	180	0
Queue Length 95th (ft)	84	281	45	175	#972	1	#268	110	58	79	270	0
Internal Link Dist (ft)		1034			1478			660			718	
Turn Bay Length (ft)	240		240	260		260	200			210		210
Base Capacity (vph)	211	2068	930	421	2299	882	288	566	579	205	482	529
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.50	0.40	0.26	0.62	0.95	0.05	1.06	0.15	0.29	0.46	0.44	0.10

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

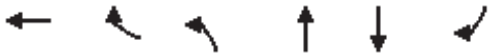
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	31	865	188	490	2224	52	115	125	281	94	177	125
v/c Ratio	0.21	0.49	0.29	0.82	0.86	0.06	0.53	0.26	0.39	0.72	0.42	0.26
Control Delay	52.2	29.4	5.6	55.4	29.6	2.9	56.7	30.4	13.0	80.1	35.7	2.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	52.2	29.4	5.6	55.4	29.6	2.9	56.7	30.4	13.0	80.1	35.7	2.9
Queue Length 50th (ft)	10	164	0	158	463	0	39	71	81	32	108	0
Queue Length 95th (ft)	26	229	52	#280	#739	15	68	102	120	#74	146	19
Internal Link Dist (ft)		1478			1233			692			645	
Turn Bay Length (ft)	300		300	260		260	180			190		300
Base Capacity (vph)	149	1762	653	596	2591	893	228	656	717	130	603	612
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.21	0.49	0.29	0.82	0.86	0.06	0.50	0.19	0.39	0.72	0.29	0.20

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBT	WBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	379	368	600	600	421	253
v/c Ratio	0.84	0.24	0.94	0.28	0.67	0.55
Control Delay	47.1	0.4	54.6	9.4	39.4	9.4
Queue Delay	0.0	0.0	18.2	0.0	0.0	0.0
Total Delay	47.1	0.4	72.7	9.4	39.4	9.4
Queue Length 50th (ft)	195	0	318	76	113	0
Queue Length 95th (ft)	307	0	#603	124	174	66
Internal Link Dist (ft)	702			344	646	
Turn Bay Length (ft)						
Base Capacity (vph)	593	1555	636	2244	750	502
Starvation Cap Reductn	0	0	53	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.64	0.24	1.03	0.27	0.56	0.50

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

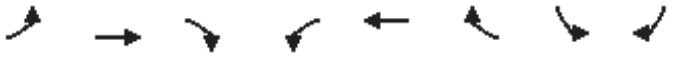


Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	194	295	1011	579	305	474
v/c Ratio	0.71	1.23	1.07	0.61	1.02	0.79
Control Delay	55.4	171.5	76.1	7.7	98.9	50.4
Queue Delay	0.0	0.0	14.0	7.2	0.0	0.0
Total Delay	55.4	171.5	90.1	15.0	98.9	50.4
Queue Length 50th (ft)	119	~233	~719	59	~200	154
Queue Length 95th (ft)	#215	#398	#961	161	#372	#224
Internal Link Dist (ft)	760		133			344
Turn Bay Length (ft)						
Base Capacity (vph)	273	240	944	956	300	601
Starvation Cap Reductn	0	0	315	327	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.71	1.23	1.61	0.92	1.02	0.79

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	433	742	443	423	1851	536	876	763
v/c Ratio	1.02	0.43	0.56	0.89	1.01	0.35	1.01	0.54
Control Delay	96.5	35.7	6.3	32.2	27.5	0.1	81.1	19.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	96.5	35.7	6.3	32.2	27.5	0.1	81.1	19.8
Queue Length 50th (ft)	~377	178	0	289	~496	0	~416	215
Queue Length 95th (ft)	#593	242	91	m154	m315	m0	#564	273
Internal Link Dist (ft)		737			1071			
Turn Bay Length (ft)							600	600
Base Capacity (vph)	426	1712	796	609	1838	1536	864	1414
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.02	0.43	0.56	0.69	1.01	0.35	1.01	0.54

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	WBT	WBR	NBT	SBT
Lane Group Flow (vph)	674	979	2663	801	411	637
v/c Ratio	1.40	0.24	1.20	1.27	1.06	1.15
Control Delay	225.1	1.2	120.0	157.2	88.8	106.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	225.1	1.2	120.0	157.2	88.8	106.3
Queue Length 50th (ft)	~772	1	~1046	~984	~220	~323
Queue Length 95th (ft)	m#880	m1	#1136	#1267	#426	#560
Internal Link Dist (ft)		1071	878		868	773
Turn Bay Length (ft)	520					
Base Capacity (vph)	483	4068	2228	633	388	553
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.40	0.24	1.20	1.27	1.06	1.15

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	1032	358	232	2747	640	339
v/c Ratio	0.41	0.31	0.79	0.62	0.82	0.59
Control Delay	18.8	4.9	79.1	4.3	56.5	8.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	18.8	4.9	79.1	4.3	56.5	8.3
Queue Length 50th (ft)	182	64	206	67	264	0
Queue Length 95th (ft)	m280	m69	m201	105	311	84
Internal Link Dist (ft)	878			425	699	
Turn Bay Length (ft)		400	160		160	
Base Capacity (vph)	2492	1262	443	4405	1025	652
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.41	0.28	0.52	0.62	0.62	0.52

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	351	1021	2846	134	423
v/c Ratio	0.58	0.28	0.89	0.19	0.72
Control Delay	35.4	5.0	25.7	40.2	38.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	35.4	5.0	25.7	40.2	38.4
Queue Length 50th (ft)	114	54	~891	42	199
Queue Length 95th (ft)	#222	84	#777	68	371
Internal Link Dist (ft)		589	1602	1556	
Turn Bay Length (ft)	200			200	
Base Capacity (vph)	606	3627	3346	1029	590
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.58	0.28	0.85	0.13	0.72

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	137	789	200	189	2621	116	95	84	242
v/c Ratio	0.85	0.29	0.23	0.78	0.90	0.85	0.25	0.33	0.52
Control Delay	101.9	18.9	6.8	75.1	30.5	93.1	27.9	44.4	17.1
Queue Delay	0.0	0.0	0.0	0.0	25.8	0.0	0.0	0.0	0.0
Total Delay	101.9	18.9	6.8	75.1	56.3	93.1	27.9	44.4	17.1
Queue Length 50th (ft)	112	201	44	156	~783	87	42	56	47
Queue Length 95th (ft)	#242	251	45	230	#927	#174	88	103	125
Internal Link Dist (ft)		1602			513		932		815
Turn Bay Length (ft)	220		315	190		150		130	
Base Capacity (vph)	165	2745	882	315	2916	177	484	332	551
Starvation Cap Reductn	0	0	0	0	426	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.83	0.29	0.23	0.60	1.05	0.66	0.20	0.25	0.44

Intersection Summary

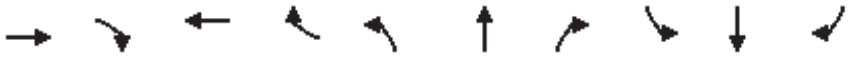
~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	NBL	NBR
Lane Group Flow (vph)	674	242	474	379	305
v/c Ratio	0.30	0.16	0.78	0.82	0.24
Control Delay	23.7	0.2	56.5	55.7	11.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	23.7	0.2	56.5	55.7	11.3
Queue Length 50th (ft)	123	0	182	273	48
Queue Length 95th (ft)	178	0	228	372	64
Internal Link Dist (ft)	513			1532	
Turn Bay Length (ft)		90	190	140	
Base Capacity (vph)	2230	1555	1104	475	1371
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.30	0.16	0.43	0.80	0.22

Intersection Summary



Lane Group	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	84	74	179	105	105	632	63	84	695	84
v/c Ratio	0.41	0.22	0.81	0.33	0.66	0.31	0.08	0.60	0.35	0.10
Control Delay	56.1	6.7	81.0	10.7	79.9	17.3	1.9	96.7	20.2	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2	0.6
Total Delay	56.1	6.7	81.0	10.7	79.9	17.3	1.9	96.9	21.4	6.8
Queue Length 50th (ft)	69	0	158	0	94	150	0	80	159	5
Queue Length 95th (ft)	115	29	230	49	153	236	13	138	334	17
Internal Link Dist (ft)	291		308			999			170	
Turn Bay Length (ft)		200		200	120			120		
Base Capacity (vph)	337	487	366	454	260	2039	835	222	1997	845
Starvation Cap Reductn	0	0	0	0	0	0	0	12	1011	538
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.25	0.15	0.49	0.23	0.40	0.31	0.08	0.40	0.70	0.27

Intersection Summary



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	116	21	168	232	63	95	137	1126	674	95	621	189
v/c Ratio	0.54	0.08	0.40	0.52	0.11	0.28	0.58	0.42	0.64	0.49	0.24	0.22
Control Delay	77.0	50.5	15.0	66.2	48.8	6.0	64.8	38.8	19.8	67.9	24.6	14.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	77.0	50.5	15.0	66.2	48.8	6.0	64.8	38.8	19.8	67.9	24.6	14.2
Queue Length 50th (ft)	57	17	34	115	25	0	72	371	317	50	186	84
Queue Length 95th (ft)	91	42	89	158	45	31	m91	373	352	77	267	170
Internal Link Dist (ft)		1252			1355			1284			608	
Turn Bay Length (ft)	140		120	120		160	335		200	180		200
Base Capacity (vph)	251	393	440	468	913	477	274	2671	1057	213	2608	868
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.05	0.38	0.50	0.07	0.20	0.50	0.42	0.64	0.45	0.24	0.22

Intersection Summary

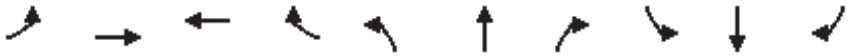
m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	116	116	284	126	263	274	347	95	158	326	189
v/c Ratio	0.57	0.32	0.55	0.60	0.75	0.81	0.34	0.19	0.51	0.49	0.44
Control Delay	54.5	37.8	8.6	55.4	48.9	60.4	30.7	3.3	51.1	39.9	9.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	54.5	37.8	8.6	55.4	48.9	60.4	30.7	3.3	51.1	39.9	9.3
Queue Length 50th (ft)	68	62	0	75	144	163	88	0	48	95	0
Queue Length 95th (ft)	143	126	70	152	257	#385	158	21	95	163	62
Internal Link Dist (ft)		1071			1444		453			660	
Turn Bay Length (ft)	250					160		200	300		200
Base Capacity (vph)	638	576	663	638	548	339	1229	581	407	966	532
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.18	0.20	0.43	0.20	0.48	0.81	0.28	0.16	0.39	0.34	0.36

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	233	199	53	63	63	126	21	368	126	74
v/c Ratio	0.66	0.55	0.18	0.17	0.38	0.27	0.07	0.79	0.18	0.08
Control Delay	40.9	36.3	31.3	1.0	48.8	38.4	0.4	48.7	29.4	3.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	40.9	36.3	31.3	1.0	48.8	38.4	0.4	48.7	29.4	3.6
Queue Length 50th (ft)	89	72	20	0	24	24	0	129	38	0
Queue Length 95th (ft)	240	202	61	0	88	72	0	#516	131	23
Internal Link Dist (ft)		1444	569			544			692	
Turn Bay Length (ft)	130			200	70		200	100		
Base Capacity (vph)	665	670	766	733	240	965	500	465	768	1110
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.35	0.30	0.07	0.09	0.26	0.13	0.04	0.79	0.16	0.07

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	126	389	179	474	168	305	284	105	211	253	126
v/c Ratio	0.63	0.51	0.86	0.66	0.39	0.89	0.66	0.23	0.80	0.74	0.32
Control Delay	56.7	21.5	79.9	40.5	8.5	69.4	42.3	3.1	64.7	50.7	6.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	56.7	21.5	79.9	40.5	8.5	69.4	42.3	3.1	64.7	50.7	6.3
Queue Length 50th (ft)	73	61	107	137	0	180	155	0	123	144	0
Queue Length 95th (ft)	152	115	#287	220	55	#430	271	18	#311	254	36
Internal Link Dist (ft)		1694		1560			1721			574	
Turn Bay Length (ft)	80		200		200	70			120		120
Base Capacity (vph)	284	1167	208	1009	535	341	623	604	265	539	543
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.44	0.33	0.86	0.47	0.31	0.89	0.46	0.17	0.80	0.47	0.23

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	58	58	221	53	21	316	632	84	42	674
v/c Ratio	0.19	0.19	0.31	0.32	0.06	0.59	0.42	0.12	0.28	0.59
Control Delay	30.7	30.6	4.4	45.1	0.3	38.5	20.6	1.8	45.5	28.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	30.7	30.6	4.4	45.1	0.3	38.5	20.6	1.8	45.5	28.7
Queue Length 50th (ft)	24	24	12	22	0	65	106	0	17	85
Queue Length 95th (ft)	69	68	45	74	0	148	232	12	64	179
Internal Link Dist (ft)		357		605			887			999
Turn Bay Length (ft)	230				200	200		200	240	
Base Capacity (vph)	682	695	1063	278	411	1008	2403	1032	223	2195
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.09	0.08	0.21	0.19	0.05	0.31	0.26	0.08	0.19	0.31

Intersection Summary



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	642	326	158	263	95	126
v/c Ratio	0.78	0.33	0.44	0.53	0.57	0.19
Control Delay	20.1	1.7	26.3	8.0	46.3	15.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	20.1	1.7	26.3	8.0	46.3	15.7
Queue Length 50th (ft)	153	1	43	0	29	26
Queue Length 95th (ft)	328	26	118	57	#131	81
Internal Link Dist (ft)	612		631			319
Turn Bay Length (ft)		175				
Base Capacity (vph)	1599	1003	652	687	167	970
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.40	0.33	0.24	0.38	0.57	0.13

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	95	169	137	674	221	726	158	411	147
v/c Ratio	0.33	0.18	0.41	0.68	1.18	0.62	0.84	0.34	0.32
Control Delay	42.5	14.5	42.1	27.2	159.8	31.3	78.6	28.6	7.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	42.5	14.5	42.1	27.2	159.8	31.3	78.6	28.6	7.0
Queue Length 50th (ft)	24	20	35	142	~71	119	42	65	0
Queue Length 95th (ft)	54	47	71	222	#170	182	#118	106	45
Internal Link Dist (ft)		2153		1856		444		887	
Turn Bay Length (ft)	290		140		160		320		
Base Capacity (vph)	1912	2780	443	1463	188	1715	188	1769	604
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.05	0.06	0.31	0.46	1.18	0.42	0.84	0.23	0.24

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	84	168	95	137	653	74	126	95	84	147	305	126
v/c Ratio	0.53	0.20	0.21	0.59	0.67	0.15	0.50	0.11	0.18	0.48	0.35	0.27
Control Delay	49.1	22.3	3.4	44.3	25.7	1.5	28.6	19.3	2.1	26.7	21.3	5.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.1	22.3	3.4	44.3	25.7	1.5	28.6	19.3	2.1	26.7	21.3	5.3
Queue Length 50th (ft)	28	25	0	45	105	0	40	14	0	46	48	0
Queue Length 95th (ft)	#119	61	20	#165	211	7	97	34	11	108	92	33
Internal Link Dist (ft)		1214			1167			627			1301	
Turn Bay Length (ft)	120		200	260		200	160		200	160		200
Base Capacity (vph)	158	1590	755	243	1754	805	565	1924	893	687	1924	893
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.53	0.11	0.13	0.56	0.37	0.09	0.22	0.05	0.09	0.21	0.16	0.14

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	92	179	107	306	449	276	327	1510	439	122	755	112
v/c Ratio	0.60	0.33	0.26	0.76	0.68	0.64	0.79	0.80	0.48	0.68	0.34	0.15
Control Delay	81.4	49.2	6.4	77.2	61.3	26.4	57.5	46.8	24.3	84.4	28.8	12.9
Queue Delay	0.0	0.8	1.3	0.0	0.0	0.0	58.2	50.9	56.4	0.0	0.7	0.0
Total Delay	81.4	50.0	7.7	77.2	61.3	26.4	115.6	97.7	80.7	84.4	29.5	12.9
Queue Length 50th (ft)	86	70	6	153	206	85	170	767	283	63	201	43
Queue Length 95th (ft)	148	108	38	#221	266	186	m212	m845	m366	#108	250	92
Internal Link Dist (ft)		1167			1022			145			1284	
Turn Bay Length (ft)	250		325	250		200			200	250		200
Base Capacity (vph)	185	753	440	402	818	486	480	1883	914	184	2192	727
Starvation Cap Reductn	0	0	0	0	0	0	196	1150	523	0	0	0
Spillback Cap Reductn	0	338	195	0	0	0	0	0	0	0	1024	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.50	0.43	0.44	0.76	0.55	0.57	1.15	2.06	1.12	0.66	0.65	0.15

Intersection Summary

Description: 6 seconds was added to NBL Y and R to mimic LT transit only phasing

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	84	158	63	147	569	189	495	74	621
v/c Ratio	0.81	0.31	0.10	0.74	0.96	0.90	0.67	0.66	0.97
Control Delay	112.1	43.1	2.8	81.0	72.6	101.0	38.3	90.8	72.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	112.1	43.1	2.8	81.0	72.6	101.0	38.3	90.8	72.4
Queue Length 50th (ft)	77	114	0	131	496	172	361	67	548
Queue Length 95th (ft)	#175	188	18	201	#727	#318	494	#138	#807
Internal Link Dist (ft)		1226			476		964		611
Turn Bay Length (ft)				70		80			
Base Capacity (vph)	104	506	652	264	619	214	737	118	638
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.81	0.31	0.10	0.56	0.92	0.88	0.67	0.63	0.97

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	126	116	516	347	263	284
v/c Ratio	0.64	0.06	0.60	0.55	0.66	0.41
Control Delay	46.4	8.5	24.5	6.5	30.4	9.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	46.4	8.5	24.5	6.5	30.4	9.5
Queue Length 50th (ft)	45	10	87	0	89	44
Queue Length 95th (ft)	#144	26	156	60	166	97
Internal Link Dist (ft)		1474	1627		1721	
Turn Bay Length (ft)	95			80		
Base Capacity (vph)	205	2150	1148	730	677	694
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.61	0.05	0.45	0.48	0.39	0.41

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	139	109	443	304	677	288	474	1526	289	21	876	196
v/c Ratio	1.10	0.83	0.75	0.81	0.92	0.67	0.97	0.82	0.33	0.24	0.90	0.38
Control Delay	169.7	107.7	35.4	69.4	72.1	37.3	86.2	33.8	9.2	76.6	64.0	16.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
Total Delay	169.7	107.7	35.4	69.4	72.1	37.3	86.2	36.3	9.2	76.6	64.0	16.9
Queue Length 50th (ft)	~156	108	220	294	357	171	~475	630	60	10	422	47
Queue Length 95th (ft)	#307	#226	364	#424	#465	282	#697	734	121	26	#537	119
Internal Link Dist (ft)		1010			920			738			884	
Turn Bay Length (ft)	130			520		140	220		200	90		150
Base Capacity (vph)	126	132	587	399	782	430	487	1856	883	87	971	515
Starvation Cap Reductn	0	0	0	0	0	0	0	210	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.10	0.83	0.75	0.76	0.87	0.67	0.97	0.93	0.33	0.24	0.90	0.38

Intersection Summary

Description: min green reduce to match split

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBT	SBR
Lane Group Flow (vph)	527	158
v/c Ratio	0.28	0.36
Control Delay	6.7	4.5
Queue Delay	0.0	0.0
Total Delay	6.7	4.5
Queue Length 50th (ft)	28	0
Queue Length 95th (ft)	59	23
Internal Link Dist (ft)	302	
Turn Bay Length (ft)		
Base Capacity (vph)	2020	622
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.26	0.25

Intersection Summary



Lane Group	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	421	211	1	253
v/c Ratio	0.62	0.46	0.00	0.14
Control Delay	37.3	7.9	9.0	3.0
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	37.3	7.9	9.0	3.0
Queue Length 50th (ft)	116	0	0	0
Queue Length 95th (ft)	155	54	m1	34
Internal Link Dist (ft)	598		723	
Turn Bay Length (ft)		150		
Base Capacity (vph)	1812	873	1141	1796
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.23	0.24	0.00	0.14

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	21	177	188	292	333	531	177	323	302	229	333	63
v/c Ratio	0.21	0.29	0.12	0.66	0.71	0.82	0.57	0.25	0.19	0.57	0.24	0.08
Control Delay	46.0	31.2	0.2	44.3	38.5	21.3	42.7	33.6	0.2	43.2	21.5	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	46.0	31.2	0.2	44.3	38.5	21.3	42.7	33.6	0.2	43.2	21.5	0.2
Queue Length 50th (ft)	12	49	0	82	174	98	37	68	0	63	60	0
Queue Length 95th (ft)	35	63	0	120	232	207	m#90	151	m0	101	121	0
Internal Link Dist (ft)		650			381			678			444	
Turn Bay Length (ft)	70		70	160			190		190	150		
Base Capacity (vph)	98	1077	1555	507	641	755	313	1319	1554	433	1416	758
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.21	0.16	0.12	0.58	0.52	0.70	0.57	0.24	0.19	0.53	0.24	0.08

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR
Lane Group Flow (vph)	284	432	147	274	492	498	126
v/c Ratio	0.35	0.28	0.92	0.20	0.67	0.67	0.08
Control Delay	26.9	0.5	92.3	17.5	19.9	19.8	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.9	0.5	92.3	17.5	19.9	19.8	0.1
Queue Length 50th (ft)	53	0	64	39	167	169	0
Queue Length 95th (ft)	113	0	#215	91	257	260	0
Internal Link Dist (ft)	381			779		361	
Turn Bay Length (ft)			110		560		560
Base Capacity (vph)	814	1536	160	1374	1268	1283	1536
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.35	0.28	0.92	0.20	0.39	0.39	0.08

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	158	263	242	274	284	126
v/c Ratio	1.39	0.23	0.14	0.31	0.67	0.27
Control Delay	249.8	6.6	9.7	2.6	29.7	5.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	249.8	6.6	9.7	2.6	29.7	5.9
Queue Length 50th (ft)	~83	40	25	0	96	0
Queue Length 95th (ft)	#192	78	46	35	167	34
Internal Link Dist (ft)		1771	694		627	
Turn Bay Length (ft)	200			90		
Base Capacity (vph)	114	1145	1717	890	515	535
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.39	0.23	0.14	0.31	0.55	0.24

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	105	189	221	558	316	1684	263	726	516
v/c Ratio	0.31	0.43	0.46	0.97	0.89	0.76	0.17	1.00	0.77
Control Delay	51.1	8.4	51.1	59.9	83.1	40.4	0.2	89.8	30.7
Queue Delay	0.1	0.0	0.0	24.5	0.0	48.2	0.0	38.2	24.9
Total Delay	51.2	8.4	51.1	84.3	83.1	88.6	0.2	128.0	55.7
Queue Length 50th (ft)	80	0	187	346	~410	571	0	~303	268
Queue Length 95th (ft)	134	61	273	#601	#607	639	0	#505	347
Internal Link Dist (ft)	573		350			965		145	
Turn Bay Length (ft)				200	100				
Base Capacity (vph)	483	555	476	578	356	2228	1536	726	668
Starvation Cap Reductn	0	0	0	0	0	0	0	316	163
Spillback Cap Reductn	31	0	0	50	0	843	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.23	0.34	0.46	1.06	0.89	1.22	0.17	1.77	1.02

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	326	147	63	1452	32	57	49	242
v/c Ratio	0.72	0.07	0.62	0.85	0.28	0.19	0.16	0.42
Control Delay	53.2	11.5	76.9	27.1	34.1	35.4	34.9	7.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	53.2	11.5	76.9	27.1	34.1	35.4	34.9	7.8
Queue Length 50th (ft)	98	15	37	327	6	33	28	24
Queue Length 95th (ft)	#226	44	#133	#688	41	70	63	68
Internal Link Dist (ft)		1165		492	202		357	
Turn Bay Length (ft)	190		90			140		
Base Capacity (vph)	454	2250	101	2046	141	631	640	575
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.72	0.07	0.62	0.71	0.23	0.09	0.08	0.42

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	SBL	SBR
Lane Group Flow (vph)	137	105	526
v/c Ratio	0.32	0.09	0.51
Control Delay	13.9	0.1	3.2
Queue Delay	0.0	0.0	0.0
Total Delay	13.9	0.1	3.2
Queue Length 50th (ft)	20	0	0
Queue Length 95th (ft)	58	0	41
Internal Link Dist (ft)	719	273	
Turn Bay Length (ft)			
Base Capacity (vph)	1234	1503	1303
Starvation Cap Reductn	0	0	0
Spillback Cap Reductn	0	0	0
Storage Cap Reductn	0	0	0
Reduced v/c Ratio	0.11	0.07	0.40

Intersection Summary



Lane Group	EBT	NBR
Lane Group Flow (vph)	947	779
v/c Ratio	0.63	0.60
Control Delay	3.9	2.7
Queue Delay	0.0	0.0
Total Delay	3.9	2.7
Queue Length 50th (ft)	8	0
Queue Length 95th (ft)	42	16
Internal Link Dist (ft)	1023	
Turn Bay Length (ft)		
Base Capacity (vph)	1948	1900
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.49	0.41

Intersection Summary



Lane Group	EBL	EBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	453	442	358	147	265	556
v/c Ratio	0.34	0.51	0.79	0.09	0.57	0.57
Control Delay	23.2	5.0	38.7	0.1	41.0	38.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	23.2	5.0	38.7	0.1	41.0	38.4
Queue Length 50th (ft)	79	0	105	0	178	185
Queue Length 95th (ft)	163	68	88	0	252	230
Internal Link Dist (ft)		711	193			678
Turn Bay Length (ft)				80	330	
Base Capacity (vph)	1335	871	511	1555	679	1418
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	5	0	0	0	37
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.34	0.51	0.70	0.09	0.39	0.40

Intersection Summary



Lane Group	EBL	EBT	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	116	232	295	242	53	21	229	223	442
v/c Ratio	0.55	0.54	0.47	0.26	0.36	0.08	0.37	0.36	0.53
Control Delay	46.3	39.5	36.1	3.9	45.9	0.6	16.9	16.6	4.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.5
Total Delay	46.3	39.5	36.1	3.9	45.9	0.6	17.6	17.3	4.9
Queue Length 50th (ft)	70	67	80	14	29	0	47	45	3
Queue Length 95th (ft)	123	100	120	51	66	0	208	203	182
Internal Link Dist (ft)		393	464		304			193	
Turn Bay Length (ft)	280			220		100			
Base Capacity (vph)	254	519	626	939	154	283	623	639	845
Starvation Cap Reductn	0	0	0	0	0	0	174	187	121
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.45	0.47	0.26	0.34	0.07	0.51	0.49	0.61

Intersection Summary



Lane Group	EBR	NBT	SBT	SBR
Lane Group Flow (vph)	516	1368	663	284
v/c Ratio	0.72	0.60	0.29	0.27
Control Delay	13.9	8.0	5.4	1.6
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	13.9	8.0	5.4	1.6
Queue Length 50th (ft)	32	110	40	0
Queue Length 95th (ft)	68	218	83	26
Internal Link Dist (ft)		396	965	
Turn Bay Length (ft)				
Base Capacity (vph)	1012	2268	2268	1070
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.51	0.60	0.29	0.27

Intersection Summary



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	112	92	92	61	92	163	143	1572	459	602	286
v/c Ratio	0.59	0.46	0.24	0.31	0.45	0.25	0.80	1.17	0.91	0.29	0.30
Control Delay	96.4	89.6	11.0	83.1	87.8	22.8	117.9	137.4	89.3	24.3	6.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3	0.6	0.7
Total Delay	96.4	89.6	11.0	83.1	87.8	22.8	117.9	137.4	136.6	24.9	7.2
Queue Length 50th (ft)	139	112	13	72	110	79	187	~1304	~712	241	34
Queue Length 95th (ft)	214	180	50	126	176	142	267	#1437	#955	306	104
Internal Link Dist (ft)		351			536			1138		396	
Turn Bay Length (ft)	80		35	60		60	100				160
Base Capacity (vph)	238	251	428	265	279	664	232	1341	503	2064	941
Starvation Cap Reductn	0	0	0	0	0	0	0	0	89	1023	361
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.37	0.21	0.23	0.33	0.25	0.62	1.17	1.11	0.58	0.49

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	168	232	611	516	295	337
v/c Ratio	0.60	0.20	0.83	0.48	0.71	0.55
Control Delay	36.8	6.8	33.0	3.6	34.4	6.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	36.8	6.8	33.0	3.6	34.4	6.7
Queue Length 50th (ft)	66	37	221	26	113	0
Queue Length 95th (ft)	134	82	#506	74	206	59
Internal Link Dist (ft)		1605	2056		964	
Turn Bay Length (ft)	160			230	75	
Base Capacity (vph)	433	1357	775	1152	622	745
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.39	0.17	0.79	0.45	0.47	0.45

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	WBL	WBT	NBT	SBL	SBR
Lane Group Flow (vph)	179	32	926	42	253	474
v/c Ratio	0.11	0.24	0.94	0.15	0.59	0.98
Control Delay	10.2	37.4	35.1	1.2	31.6	58.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	10.2	37.4	35.1	1.2	31.6	58.3
Queue Length 50th (ft)	16	14	384	0	108	~179
Queue Length 95th (ft)	41	40	#653	0	#186	#358
Internal Link Dist (ft)	1169		1	255		
Turn Bay Length (ft)		80				
Base Capacity (vph)	1670	139	1079	271	431	484
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.11	0.23	0.86	0.15	0.59	0.98

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	WBL	WBT
Lane Group Flow (vph)	421	147	958
v/c Ratio	0.19	0.49	0.27
Control Delay	3.4	20.1	0.2
Queue Delay	0.0	0.0	0.0
Total Delay	3.4	20.1	0.2
Queue Length 50th (ft)	13	26	0
Queue Length 95th (ft)	30	65	0
Internal Link Dist (ft)	1		1248
Turn Bay Length (ft)		350	
Base Capacity (vph)	2350	359	3281
Starvation Cap Reductn	0	0	0
Spillback Cap Reductn	0	0	0
Storage Cap Reductn	0	0	0
Reduced v/c Ratio	0.18	0.41	0.29

Intersection Summary



Lane Group	EBL	EBT	WBT	WBR	NBL	NBT
Lane Group Flow (vph)	116	221	421	158	684	127
v/c Ratio	0.83	0.16	0.93	0.33	0.96	0.20
Control Delay	94.5	23.8	70.9	9.1	59.7	23.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	94.5	23.8	70.9	9.1	59.7	23.8
Queue Length 50th (ft)	90	57	317	7	503	62
Queue Length 95th (ft)	#193	86	#503	61	#752	107
Internal Link Dist (ft)		1248	1726			753
Turn Bay Length (ft)	115			180	190	
Base Capacity (vph)	151	1455	488	499	758	672
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.77	0.15	0.86	0.32	0.90	0.19

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Group Flow (vph)	1179	1411	221	1221	1337
v/c Ratio	0.93	0.40	0.84	0.69	0.96
Control Delay	33.6	0.3	54.9	14.1	36.9
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	33.6	0.3	54.9	14.1	36.9
Queue Length 50th (ft)	205	0	79	164	157
Queue Length 95th (ft)	#331	0	#180	228	#252
Internal Link Dist (ft)	658			1165	738
Turn Bay Length (ft)			180		
Base Capacity (vph)	1270	3502	277	1786	1399
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.93	0.40	0.80	0.68	0.96

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	379	53	42	32	63	537	74	958	63	74	768
v/c Ratio	1.20	0.16	0.11	0.09	0.17	1.36	0.59	1.14	0.09	1.23	0.52
Control Delay	164.3	48.4	0.6	45.4	46.7	209.1	79.3	114.0	1.9	243.2	30.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	164.3	48.4	0.6	45.4	46.7	209.1	79.3	114.0	1.9	243.2	30.2
Queue Length 50th (ft)	~402	40	0	23	46	~527	64	~981	0	~80	260
Queue Length 95th (ft)	#604	80	0	53	89	#756	116	#1238	13	#185	333
Internal Link Dist (ft)		920			701			1175			1055
Turn Bay Length (ft)				110		110	85		200	190	
Base Capacity (vph)	315	332	371	347	365	395	159	837	700	60	1465
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.20	0.16	0.11	0.09	0.17	1.36	0.47	1.14	0.09	1.23	0.52

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

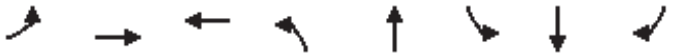
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	105	1089	63	37	1253
v/c Ratio	0.17	0.67	0.05	0.12	0.57
Control Delay	19.1	23.7	5.5	27.5	1.9
Queue Delay	0.0	0.1	0.0	0.0	0.0
Total Delay	19.1	23.8	5.5	27.5	1.9
Queue Length 50th (ft)	12	118	4	12	3
Queue Length 95th (ft)	37	#492	28	43	38
Internal Link Dist (ft)	928		365	360	
Turn Bay Length (ft)					
Base Capacity (vph)	1474	1813	1595	776	2240
Starvation Cap Reductn	0	103	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.07	0.64	0.04	0.05	0.56

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	479	190	63	126	800	11	611	505
v/c Ratio	0.97	0.29	0.11	0.99	0.82	0.14	0.78	0.56
Control Delay	66.7	6.3	18.2	126.5	26.3	52.1	30.1	3.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1
Total Delay	66.7	6.3	18.2	126.5	26.3	52.1	30.5	4.0
Queue Length 50th (ft)	267	4	16	74	346	6	294	0
Queue Length 95th (ft)	#610	58	55	#231	605	27	415	50
Internal Link Dist (ft)		713	111		622		360	
Turn Bay Length (ft)								
Base Capacity (vph)	494	663	569	127	1231	78	1184	1110
Starvation Cap Reductn	0	0	0	0	0	0	201	80
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.97	0.29	0.11	0.99	0.65	0.14	0.62	0.49

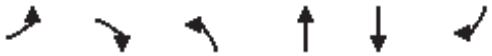
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	211	337	526	179	253	579
v/c Ratio	0.57	0.74	0.75	0.28	0.14	0.47
Control Delay	69.5	16.2	62.7	35.8	10.5	6.8
Queue Delay	0.0	0.0	0.1	0.0	0.0	0.0
Total Delay	69.5	16.2	62.9	35.8	10.5	6.8
Queue Length 50th (ft)	104	0	252	128	25	210
Queue Length 95th (ft)	143	100	299	166	48	252
Internal Link Dist (ft)	871			304	424	
Turn Bay Length (ft)					150	
Base Capacity (vph)	1026	667	1293	1297	1834	1438
Starvation Cap Reductn	0	0	147	0	0	50
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.21	0.51	0.46	0.14	0.14	0.42

Intersection Summary



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	737	53	53	21	386	372
v/c Ratio	0.84	0.07	0.24	0.03	0.76	0.31
Control Delay	26.3	3.9	35.9	14.7	25.8	1.3
Queue Delay	0.7	0.0	0.0	0.0	0.0	0.0
Total Delay	27.0	3.9	35.9	14.7	25.8	1.3
Queue Length 50th (ft)	284	0	24	6	106	8
Queue Length 95th (ft)	#536	17	60	19	#243	22
Internal Link Dist (ft)	304			65	1294	
Turn Bay Length (ft)						
Base Capacity (vph)	1183	1015	225	1103	688	1278
Starvation Cap Reductn	173	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.73	0.05	0.24	0.02	0.56	0.29

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	295	337	484	126	400
v/c Ratio	0.58	0.49	0.50	0.35	0.23
Control Delay	20.6	5.1	16.0	23.2	6.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	20.6	5.1	16.0	23.2	6.8
Queue Length 50th (ft)	71	0	54	31	26
Queue Length 95th (ft)	155	50	103	86	54
Internal Link Dist (ft)	646		611		592
Turn Bay Length (ft)					
Base Capacity (vph)	797	876	1719	429	2572
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.37	0.38	0.28	0.29	0.16

Intersection Summary



Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	95	42	621	21	653
v/c Ratio	0.23	0.11	0.33	0.07	0.28
Control Delay	16.2	6.3	11.6	22.9	6.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	16.2	6.3	11.6	22.9	6.3
Queue Length 50th (ft)	17	0	42	4	31
Queue Length 95th (ft)	60	19	177	29	122
Internal Link Dist (ft)	1499		980		859
Turn Bay Length (ft)	250			250	
Base Capacity (vph)	1180	1039	1872	295	3056
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.08	0.04	0.33	0.07	0.21

Intersection Summary



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	95	463	74	253	189	547	84	285
v/c Ratio	0.51	0.88	0.48	0.52	0.76	0.49	0.48	0.32
Control Delay	47.3	49.5	50.3	28.4	51.0	25.1	60.1	18.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	47.3	49.5	50.3	28.4	51.0	25.1	60.1	18.7
Queue Length 50th (ft)	52	231	40	99	107	142	50	58
Queue Length 95th (ft)	100	#401	#92	181	#201	193	97	64
Internal Link Dist (ft)		1066		876		637		1292
Turn Bay Length (ft)	250		250				250	
Base Capacity (vph)	211	562	154	501	267	1141	192	917
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.45	0.82	0.48	0.50	0.71	0.48	0.44	0.31

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	53	473	63	327	158	326	21	74
v/c Ratio	0.24	0.71	0.28	0.48	0.48	0.53	0.09	0.25
Control Delay	32.7	28.7	33.3	22.2	30.2	16.5	31.4	21.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	32.7	28.7	33.3	22.2	30.2	16.5	31.4	21.7
Queue Length 50th (ft)	19	160	23	101	57	73	8	19
Queue Length 95th (ft)	60	#425	68	232	126	177	31	55
Internal Link Dist (ft)		637		648		319		139
Turn Bay Length (ft)	250		250					
Base Capacity (vph)	222	669	225	679	512	856	222	589
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.24	0.71	0.28	0.48	0.31	0.38	0.09	0.13

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	537	95	789	95	653
v/c Ratio	0.83	0.15	0.72	0.38	0.41
Control Delay	30.9	4.3	18.9	29.7	10.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	30.9	4.3	18.9	29.7	10.4
Queue Length 50th (ft)	174	0	106	33	72
Queue Length 95th (ft)	#336	25	164	72	105
Internal Link Dist (ft)	3409		547		980
Turn Bay Length (ft)	250			250	
Base Capacity (vph)	760	712	1282	247	2086
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.71	0.13	0.62	0.38	0.31

Intersection Summary

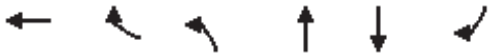
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Group Flow (vph)	158	137	368	684	379
v/c Ratio	0.58	0.39	0.79	0.28	0.29
Control Delay	43.4	9.2	42.6	6.1	15.6
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	43.4	9.2	42.6	6.1	15.6
Queue Length 50th (ft)	85	0	193	66	22
Queue Length 95th (ft)	139	47	277	120	m68
Internal Link Dist (ft)	3409			723	637
Turn Bay Length (ft)	250		250		
Base Capacity (vph)	462	497	501	2445	1316
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.34	0.28	0.73	0.28	0.29

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	WBT	WBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	463	368	547	421	971	218
v/c Ratio	0.69	0.62	0.91	0.17	0.94	0.44
Control Delay	48.6	9.0	57.3	7.1	56.7	20.1
Queue Delay	0.0	0.0	51.3	1.2	0.0	0.0
Total Delay	48.6	9.0	108.6	8.2	56.7	20.1
Queue Length 50th (ft)	169	0	377	52	390	72
Queue Length 95th (ft)	215	81	#634	83	#540	154
Internal Link Dist (ft)	1234			164	547	
Turn Bay Length (ft)		250				
Base Capacity (vph)	815	637	603	2426	1032	490
Starvation Cap Reductn	0	0	272	1736	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.57	0.58	1.65	0.61	0.94	0.44

Intersection Summary

Description: 600 car are expected to make the texas u-turn thus not entering the intersection

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	NBT	SBL	SBT
Lane Group Flow (vph)	421	769	189	1579	105
v/c Ratio	1.00	0.92	0.78	0.97	0.12
Control Delay	90.6	62.0	69.4	47.5	18.7
Queue Delay	0.0	0.0	0.0	43.3	1.4
Total Delay	90.6	62.0	69.4	90.9	20.1
Queue Length 50th (ft)	~329	306	134	615	46
Queue Length 95th (ft)	#540	#424	#230	#794	80
Internal Link Dist (ft)		1870	317		164
Turn Bay Length (ft)	250				
Base Capacity (vph)	420	834	270	1629	883
Starvation Cap Reductn	0	0	0	624	628
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.00	0.92	0.70	1.57	0.41

Intersection Summary

Description: 400 cars are expected to make the texas u turn thus not entering the intersection

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBR	NBT
Lane Group Flow (vph)	168	937
v/c Ratio	0.38	0.46
Control Delay	5.8	4.5
Queue Delay	0.0	0.0
Total Delay	5.8	4.5
Queue Length 50th (ft)	0	29
Queue Length 95th (ft)	31	66
Internal Link Dist (ft)		594
Turn Bay Length (ft)		
Base Capacity (vph)	827	2075
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.20	0.45

Intersection Summary



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	95	242	495	100	147
v/c Ratio	0.26	0.11	0.32	0.22	0.30
Control Delay	19.8	5.3	9.7	14.9	5.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	19.8	5.3	9.7	14.9	5.3
Queue Length 50th (ft)	18	10	35	19	0
Queue Length 95th (ft)	71	36	89	55	33
Internal Link Dist (ft)		1709	357	693	
Turn Bay Length (ft)	150				
Base Capacity (vph)	384	3249	2555	1343	1166
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.25	0.07	0.19	0.07	0.13

Intersection Summary

Midday Peak Hour

HCM 2010 Signalized Intersection Summary
78: Via Las Cumbres & Hotel Circle North

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	100	340	350	520	400	0	0	900	230
Future Volume (veh/h)	0	0	0	100	340	350	520	400	0	0	900	230
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.96	1.00		1.00	1.00		0.98
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				105	358	10	547	421	0	0	947	95
Adj No. of Lanes				0	2	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				133	482	262	551	2232	0	0	1047	435
Arrive On Green				0.17	0.17	0.17	0.31	0.63	0.00	0.00	0.28	0.28
Sat Flow, veh/h				777	2817	1528	1774	3632	0	0	3725	1550
Grp Volume(v), veh/h				247	216	10	547	421	0	0	947	95
Grp Sat Flow(s),veh/h/ln				1824	1770	1528	1774	1770	0	0	1863	1550
Q Serve(g_s), s				14.9	13.3	0.6	35.4	5.7	0.0	0.0	28.2	5.4
Cycle Q Clear(g_c), s				14.9	13.3	0.6	35.4	5.7	0.0	0.0	28.2	5.4
Prop In Lane				0.43		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				312	303	262	551	2232	0	0	1047	435
V/C Ratio(X)				0.79	0.71	0.04	0.99	0.19	0.00	0.00	0.90	0.22
Avail Cap(c_a), veh/h				428	415	359	551	2277	0	0	1095	455
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	1.00	1.00	0.24	0.24	0.00	0.00	0.77	0.77
Uniform Delay (d), s/veh				45.7	45.0	39.8	39.5	8.9	0.0	0.0	39.9	31.7
Incr Delay (d2), s/veh				6.7	3.6	0.1	17.3	0.0	0.0	0.0	10.2	0.9
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				8.1	6.8	0.3	20.0	2.8	0.0	0.0	15.9	2.4
LnGrp Delay(d),s/veh				52.4	48.6	39.8	56.8	8.9	0.0	0.0	50.0	32.6
LnGrp LOS				D	D	D	E	A			D	C
Approach Vol, veh/h					473			968			1042	
Approach Delay, s/veh					50.4			36.0			48.4	
Approach LOS					D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		77.0			40.2	36.8		29.2
Change Period (Y+Rc), s		4.5			4.5	4.5		9.5
Max Green Setting (Gmax), s		74.0			35.7	33.8		27.0
Max Q Clear Time (g_c+I1), s		7.7			37.4	30.2		16.9
Green Ext Time (p_c), s		3.0			0.0	2.1		1.9

Intersection Summary	
HCM 2010 Ctrl Delay	44.0
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
79: Via Las Cumbres & Hotel Circle South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	400	700	30	0	0	0	0	120	60	1500	100	0
Future Volume (veh/h)	400	700	30	0	0	0	0	120	60	1500	100	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96				1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1900	1863	1863	0
Adj Flow Rate, veh/h	421	737	21				0	126	52	1579	105	0
Adj No. of Lanes	1	2	0				0	1	0	2	1	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	421	834	24				0	186	77	1577	854	0
Arrive On Green	0.08	0.08	0.08				0.00	0.15	0.15	0.46	0.46	0.00
Sat Flow, veh/h	1774	3510	100				0	1237	511	3442	1863	0
Grp Volume(v), veh/h	421	372	386				0	0	178	1579	105	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1840				0	0	1748	1721	1863	0
Q Serve(g_s), s	28.5	24.9	25.0				0.0	0.0	11.6	55.0	3.9	0.0
Cycle Q Clear(g_c), s	28.5	24.9	25.0				0.0	0.0	11.6	55.0	3.9	0.0
Prop In Lane	1.00		0.05				0.00		0.29	1.00		0.00
Lane Grp Cap(c), veh/h	421	420	437				0	0	262	1577	854	0
V/C Ratio(X)	1.00	0.88	0.88				0.00	0.00	0.68	1.00	0.12	0.00
Avail Cap(c_a), veh/h	421	420	437				0	0	262	1577	854	0
HCM Platoon Ratio	0.33	0.33	0.33				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.09	0.09	0.09				0.00	0.00	1.00	0.23	0.23	0.00
Uniform Delay (d), s/veh	55.3	53.7	53.7				0.0	0.0	48.3	32.5	18.7	0.0
Incr Delay (d2), s/veh	13.0	2.3	2.2				0.0	0.0	6.9	11.0	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.5	12.5	13.0				0.0	0.0	6.1	28.5	2.0	0.0
LnGrp Delay(d),s/veh	68.2	56.0	55.9				0.0	0.0	55.2	43.5	18.7	0.0
LnGrp LOS	E	E	E						E	F	B	
Approach Vol, veh/h		1179						178			1684	
Approach Delay, s/veh		60.3						55.2			42.0	
Approach LOS		E						E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		22.5		38.0		59.5		
Change Period (Y+Rc), s		4.5		9.5		4.5		
Max Green Setting (Gmax), s		18.0		28.5		55.0		
Max Q Clear Time (g_c+I1), s		13.6		30.5		57.0		
Green Ext Time (p_c), s		0.4		0.0		0.0		

Intersection Summary	
HCM 2010 Ctrl Delay	49.9
HCM 2010 LOS	D



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	0	160	440	450	0	0
Future Volume (veh/h)	0	160	440	450	0	0
Number	7	14	2	12		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		0.98		
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900		
Adj Flow Rate, veh/h	0	10	463	42		
Adj No. of Lanes	1	1	2	0		
Peak Hour Factor	0.95	0.95	0.95	0.95		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	0	0	1447	131		
Arrive On Green	0.00	0.00	0.44	0.44		
Sat Flow, veh/h	0		3369	296		
Grp Volume(v), veh/h	0.0		249	256		
Grp Sat Flow(s),veh/h/ln			1770	1802		
Q Serve(g_s), s			1.6	1.6		
Cycle Q Clear(g_c), s			1.6	1.6		
Prop In Lane				0.16		
Lane Grp Cap(c), veh/h			782	796		
V/C Ratio(X)			0.32	0.32		
Avail Cap(c_a), veh/h			1872	1906		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			3.1	3.1		
Incr Delay (d2), s/veh			0.2	0.2		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			0.7	0.8		
LnGrp Delay(d),s/veh			3.3	3.3		
LnGrp LOS			A	A		
Approach Vol, veh/h			505			
Approach Delay, s/veh			3.3			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		17.0						
Change Period (Y+Rc), s		9.5						
Max Green Setting (Gmax), s		18.0						
Max Q Clear Time (g_c+I1), s		3.6						
Green Ext Time (p_c), s		2.5						

Intersection Summary	
HCM 2010 Ctrl Delay	3.3
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	90	230	320	150	95	140
Future Volume (veh/h)	90	230	320	150	95	140
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.96	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	95	242	337	21	100	31
Adj No. of Lanes	1	2	2	0	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	227	1926	899	56	275	246
Arrive On Green	0.13	0.54	0.27	0.27	0.16	0.16
Sat Flow, veh/h	1774	3632	3470	209	1774	1583
Grp Volume(v), veh/h	95	242	176	182	100	31
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1816	1774	1583
Q Serve(g_s), s	1.5	1.0	2.4	2.5	1.5	0.5
Cycle Q Clear(g_c), s	1.5	1.0	2.4	2.5	1.5	0.5
Prop In Lane	1.00			0.12	1.00	1.00
Lane Grp Cap(c), veh/h	227	1926	471	484	275	246
V/C Ratio(X)	0.42	0.13	0.37	0.38	0.36	0.13
Avail Cap(c_a), veh/h	444	4609	1596	1638	1600	1428
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	12.0	3.3	8.9	9.0	11.3	10.9
Incr Delay (d2), s/veh	1.2	0.0	0.5	0.5	0.8	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.5	1.2	1.3	0.8	0.5
LnGrp Delay(d),s/veh	13.3	3.4	9.4	9.4	12.1	11.1
LnGrp LOS	B	A	A	A	B	B
Approach Vol, veh/h		337	358		131	
Approach Delay, s/veh		6.2	9.4		11.9	
Approach LOS		A	A		B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6	7	8
Phs Duration (G+Y+Rc), s				20.8		9.1	8.3	12.5
Change Period (Y+Rc), s				4.5		4.5	4.5	4.5
Max Green Setting (Gmax), s				39.0		27.0	7.5	27.0
Max Q Clear Time (g_c+I1), s				3.0		3.5	3.5	4.5
Green Ext Time (p_c), s				1.8		0.3	0.1	2.2

Intersection Summary	
HCM 2010 Ctrl Delay	8.5
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
8: Friar Roads & Napa Street

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0	0
Future Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0	0
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	0	0	0	0	0	-116	0	0	0	0	0	-58
Adj No. of Lanes	1	2	0	0	2	1	0	1	0	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	0	2	2	2
Cap, veh/h	9999	9999	0	0	9999	0	0	9999	0	9999	9999	9999
Arrive On Green	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	1774	3632	0	0	-109995	1583	0	-74510	0	1597	1863	1583
Grp Volume(v), veh/h	0	0	0	0	0	-116	0	0	0	0	0	-58
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1770	1583	0	1863	0	1597	1863	1583
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	3208192	6400	3436544	0	6400	03437	4889	403648	3368	86020096	288	7373	4364	8602	2863	3114624
V/C Ratio(X)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	4619797	2862	4597177856	0	1804896	8886	6187	5516041216	9095	224492032	1876	7925	7389	5291	3964	2407552
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp LOS												
Approach Vol, veh/h		0			-116			0			-58	
Approach Delay, s/veh		0.0			0.0			0.0			0.0	
Approach LOS					A						A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		0.0		0.0	0.0	0.0		0.0
Change Period (Y+Rc), s		6.0		4.9	4.4	* 6		4.0
Max Green Setting (Gmax), s		46.6		6.5	14.4	* 28		27.0
Max Q Clear Time (g_c+I1), s		0.0		0.0	0.0	0.0		0.0
Green Ext Time (p_c), s		0.0		0.0	0.0	0.0		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	0.0
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
11: Fashion Valley Road & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	1215	175	195	655	35	190	20	150	10	5	5
Future Volume (veh/h)	10	1215	175	195	655	35	190	20	150	10	5	5
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	0.98		0.97	0.99		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	10	1240	153	199	668	36	194	20	153	10	5	0
Adj No. of Lanes	1	3	0	1	2	0	0	1	1	0	1	0
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	17	1868	230	216	1775	96	326	27	335	113	45	0
Arrive On Green	0.01	0.41	0.41	0.24	1.00	1.00	0.22	0.22	0.22	0.22	0.22	0.00
Sat Flow, veh/h	1774	4570	564	1774	3407	183	1186	122	1540	244	208	0
Grp Volume(v), veh/h	10	920	473	199	347	357	214	0	153	15	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1744	1774	1770	1821	1308	0	1540	451	0	0
Q Serve(g_s), s	0.6	22.0	22.0	10.9	0.0	0.0	0.0	0.0	8.6	0.2	0.0	0.0
Cycle Q Clear(g_c), s	0.6	22.0	22.0	10.9	0.0	0.0	15.9	0.0	8.6	16.0	0.0	0.0
Prop In Lane	1.00		0.32	1.00		0.10	0.91		1.00	0.67		0.00
Lane Grp Cap(c), veh/h	17	1385	713	216	922	949	353	0	335	158	0	0
V/C Ratio(X)	0.58	0.66	0.66	0.92	0.38	0.38	0.61	0.00	0.46	0.09	0.00	0.00
Avail Cap(c_a), veh/h	71	1385	713	216	922	949	541	0	539	338	0	0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.94	0.94	0.94	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	49.3	24.0	24.0	37.3	0.0	0.0	36.8	0.0	34.0	32.0	0.0	0.0
Incr Delay (d2), s/veh	11.0	2.5	4.8	37.3	1.1	1.1	0.9	0.0	0.5	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	10.7	11.5	7.6	0.3	0.3	5.6	0.0	3.7	0.3	0.0	0.0
LnGrp Delay(d),s/veh	60.3	26.5	28.8	74.7	1.1	1.1	37.7	0.0	34.5	32.1	0.0	0.0
LnGrp LOS	E	C	C	E	A	A	D		C	C		
Approach Vol, veh/h		1403			903			367			15	
Approach Delay, s/veh		27.5			17.3			36.4			32.1	
Approach LOS		C			B			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.6	51.8		31.6	5.4	63.0		31.6
Change Period (Y+Rc), s	4.4	* 11		* 9.9	4.4	* 11		* 9.9
Max Green Setting (Gmax), s	12.2	* 28		* 35	4.0	* 36		* 35
Max Q Clear Time (g_c+I1), s	12.9	24.0		18.0	2.6	2.0		17.9
Green Ext Time (p_c), s	0.0	2.5		0.0	0.0	5.7		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	25.3
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
12: Via De La Moda & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	1360	105	605	910	0	75	0	295	0	0	0
Future Volume (veh/h)	10	1360	105	605	910	0	75	0	295	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	0	1863	0	1863			
Adj Flow Rate, veh/h	11	1432	111	637	958	0	79	0	290			
Adj No. of Lanes	1	3	0	2	2	0	1	0	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	2	2	2	0	2	0	2			
Cap, veh/h	19	2293	178	606	2278	0	362	0	323			
Arrive On Green	0.02	0.96	0.96	0.18	0.64	0.00	0.20	0.00	0.20			
Sat Flow, veh/h	1774	4796	372	3442	3632	0	1774	0	1583			
Grp Volume(v), veh/h	11	1012	531	637	958	0	79	0	290			
Grp Sat Flow(s),veh/h/ln	1774	1695	1777	1721	1770	0	1774	0	1583			
Q Serve(g_s), s	0.6	3.2	3.2	17.6	13.2	0.0	3.7	0.0	17.9			
Cycle Q Clear(g_c), s	0.6	3.2	3.2	17.6	13.2	0.0	3.7	0.0	17.9			
Prop In Lane	1.00		0.21	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	19	1621	850	606	2278	0	362	0	323			
V/C Ratio(X)	0.59	0.62	0.62	1.05	0.42	0.00	0.22	0.00	0.90			
Avail Cap(c_a), veh/h	71	1621	850	606	2278	0	554	0	494			
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.59	0.59	0.59	0.93	0.93	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	48.7	1.2	1.2	41.2	8.7	0.0	33.2	0.0	38.8			
Incr Delay (d2), s/veh	6.3	1.1	2.1	49.5	0.5	0.0	0.1	0.0	9.8			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.3	1.1	1.4	12.5	6.6	0.0	1.8	0.0	8.7			
LnGrp Delay(d),s/veh	55.0	2.3	3.3	90.7	9.2	0.0	33.3	0.0	48.6			
LnGrp LOS	E	A	A	F	A		C		D			
Approach Vol, veh/h		1554			1595			369				
Approach Delay, s/veh		3.0			41.8			45.3				
Approach LOS		A			D			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2			5	6		8
Phs Duration (G+Y+Rc), s	22.0	53.2			5.5	69.8		24.8
Change Period (Y+Rc), s	4.4	5.4			4.4	* 5.4		4.4
Max Green Setting (Gmax), s	17.6	37.0			4.0	* 51		31.2
Max Q Clear Time (g_c+I1), s	19.6	5.2			2.6	15.2		19.9
Green Ext Time (p_c), s	0.0	15.5			0.0	9.6		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	25.0
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
13: Avenida De Las Tiendas & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	1540	105	935	1465	10	45	5	265	15	5	5
Future Volume (veh/h)	10	1540	105	935	1465	10	45	5	265	15	5	5
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	0.95		0.95	0.97		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	11	1621	106	984	1542	11	47	0	267	16	5	2
Adj No. of Lanes	1	3	0	2	3	0	1	0	2	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	17	2299	150	1046	3990	28	212	0	380	183	157	63
Arrive On Green	0.01	0.47	0.47	0.30	0.77	0.77	0.13	0.00	0.13	0.13	0.13	0.13
Sat Flow, veh/h	1774	4869	318	3442	5208	37	1338	0	3016	1071	1247	499
Grp Volume(v), veh/h	11	1128	599	984	1004	549	47	0	267	16	0	7
Grp Sat Flow(s),veh/h/ln	1774	1695	1797	1721	1695	1855	1338	0	1508	1071	0	1745
Q Serve(g_s), s	0.9	39.5	39.6	41.8	14.8	14.8	4.8	0.0	12.7	2.0	0.0	0.5
Cycle Q Clear(g_c), s	0.9	39.5	39.6	41.8	14.8	14.8	5.3	0.0	12.7	2.0	0.0	0.5
Prop In Lane	1.00		0.18	1.00		0.02	1.00		1.00	1.00		0.29
Lane Grp Cap(c), veh/h	17	1601	848	1046	2598	1421	212	0	380	183	0	220
V/C Ratio(X)	0.63	0.70	0.71	0.94	0.39	0.39	0.22	0.00	0.70	0.09	0.00	0.03
Avail Cap(c_a), veh/h	47	1601	848	1285	2598	1421	311	0	603	262	0	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.71	0.71	0.71	0.31	0.31	0.31	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	74.0	31.3	31.3	50.9	5.8	5.8	59.9	0.0	62.9	58.2	0.0	57.5
Incr Delay (d2), s/veh	9.6	1.9	3.5	4.1	0.1	0.2	0.2	0.0	0.9	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	18.9	20.5	20.4	6.9	7.6	1.8	0.0	5.4	0.6	0.0	0.3
LnGrp Delay(d),s/veh	83.6	33.2	34.8	55.0	6.0	6.1	60.1	0.0	63.8	58.2	0.0	57.5
LnGrp LOS	F	C	C	E	A	A	E		E	E		E
Approach Vol, veh/h		1738			2537			314			23	
Approach Delay, s/veh		34.1			25.0			63.2			58.0	
Approach LOS		C			C			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	50.0	76.2		23.8	5.9	120.3		23.8
Change Period (Y+Rc), s	4.4	5.4		4.9	4.4	* 5.4		4.9
Max Green Setting (Gmax), s	56.0	49.3		30.0	4.0	* 1E2		30.0
Max Q Clear Time (g_c+I1), s	43.8	41.6		4.0	2.9	16.8		14.7
Green Ext Time (p_c), s	1.8	6.2		0.0	0.0	21.8		0.6

Intersection Summary	
HCM 2010 Ctrl Delay	31.2
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
14: SR-163 SB Ramps/Ulric Street & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	200	1075	665	490	1735	420	550	75	705	295	10	125
Future Volume (veh/h)	200	1075	665	490	1735	420	550	75	705	295	10	125
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.97	1.00		0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	211	1132	458	516	1826	137	579	79	479	311	11	53
Adj No. of Lanes	2	3	1	2	3	2	2	1	2	2	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	272	1851	866	588	2317	1565	650	360	998	386	31	150
Arrive On Green	0.08	0.36	0.36	0.17	0.46	0.46	0.19	0.19	0.19	0.11	0.12	0.12
Sat Flow, veh/h	3442	5085	1557	3442	5085	2750	3442	1863	2700	3442	267	1287
Grp Volume(v), veh/h	211	1132	458	516	1826	137	579	79	479	311	0	64
Grp Sat Flow(s),veh/h/ln	1721	1695	1557	1721	1695	1375	1721	1863	1350	1721	0	1554
Q Serve(g_s), s	6.6	20.0	20.4	16.0	33.4	1.3	18.0	3.9	15.0	9.7	0.0	4.2
Cycle Q Clear(g_c), s	6.6	20.0	20.4	16.0	33.4	1.3	18.0	3.9	15.0	9.7	0.0	4.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.83
Lane Grp Cap(c), veh/h	272	1851	866	588	2317	1565	650	360	998	386	0	181
V/C Ratio(X)	0.77	0.61	0.53	0.88	0.79	0.09	0.89	0.22	0.48	0.81	0.00	0.35
Avail Cap(c_a), veh/h	314	2088	938	675	2645	1743	722	629	1387	597	0	468
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	49.5	28.5	15.5	44.3	25.3	4.0	43.4	37.2	26.9	47.5	0.0	44.6
Incr Delay (d2), s/veh	10.1	0.5	0.5	11.5	1.5	0.0	12.4	0.1	0.1	4.6	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	9.4	8.9	8.5	15.9	0.6	9.6	2.0	5.6	4.8	0.0	1.8
LnGrp Delay(d),s/veh	59.6	29.0	16.1	55.8	26.8	4.0	55.8	37.3	27.1	52.1	0.0	45.0
LnGrp LOS	E	C	B	E	C	A	E	D	C	D		D
Approach Vol, veh/h		1801			2479			1137			375	
Approach Delay, s/veh		29.3			31.6			42.4			50.9	
Approach LOS		C			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	23.2	44.4	24.7	17.3	13.2	54.4	16.3	25.7
Change Period (Y+Rc), s	4.5	4.5	4.0	4.5	4.5	* 4.5	4.0	4.5
Max Green Setting (Gmax), s	21.5	45.0	23.0	33.0	10.0	* 57	19.0	37.0
Max Q Clear Time (g_c+I1), s	18.0	22.4	20.0	6.2	8.6	35.4	11.7	17.0
Green Ext Time (p_c), s	0.7	10.6	0.7	0.2	0.1	14.5	0.6	1.3

Intersection Summary	
HCM 2010 Ctrl Delay	34.2
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
16: Frazee Road & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	555	1175	595	120	1590	125	395	110	115	125	190	490
Future Volume (veh/h)	555	1175	595	120	1590	125	395	110	115	125	190	490
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	578	1224	334	125	1656	86	411	115	99	130	198	291
Adj No. of Lanes	2	4	2	2	3	1	2	2	0	2	1	2
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	632	3241	1381	179	1902	583	479	421	328	171	253	362
Arrive On Green	0.18	0.51	0.51	0.05	0.37	0.37	0.14	0.23	0.23	0.05	0.14	0.14
Sat Flow, veh/h	3442	6408	2732	3442	5085	1558	3442	1870	1458	3442	1863	2664
Grp Volume(v), veh/h	578	1224	334	125	1656	86	411	108	106	130	198	291
Grp Sat Flow(s),veh/h/ln	1721	1602	1366	1721	1695	1558	1721	1770	1558	1721	1863	1332
Q Serve(g_s), s	19.9	14.1	8.3	4.3	36.5	4.4	14.1	6.1	6.8	4.5	12.4	12.8
Cycle Q Clear(g_c), s	19.9	14.1	8.3	4.3	36.5	4.4	14.1	6.1	6.8	4.5	12.4	12.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.94	1.00		1.00
Lane Grp Cap(c), veh/h	632	3241	1381	179	1902	583	479	398	351	171	253	362
V/C Ratio(X)	0.91	0.38	0.24	0.70	0.87	0.15	0.86	0.27	0.30	0.76	0.78	0.80
Avail Cap(c_a), veh/h	673	3241	1381	285	1947	597	719	719	633	171	460	658
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.3	18.2	16.8	56.3	35.1	25.0	50.8	38.6	38.9	56.6	50.4	50.6
Incr Delay (d2), s/veh	15.9	0.1	0.1	1.8	4.8	0.2	5.1	0.1	0.2	16.6	3.3	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.9	6.2	3.2	2.1	17.9	1.9	7.0	3.0	3.0	2.5	6.6	4.8
LnGrp Delay(d),s/veh	64.3	18.3	16.9	58.1	39.8	25.2	55.9	38.7	39.0	73.2	53.7	53.2
LnGrp LOS	E	B	B	E	D	C	E	D	D	E	D	D
Approach Vol, veh/h		2136			1867			625			619	
Approach Delay, s/veh		30.5			40.4			50.1			57.6	
Approach LOS		C			D			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.7	67.5	21.2	21.3	26.6	51.6	10.4	32.1
Change Period (Y+Rc), s	4.4	* 6.5	4.4	4.9	4.4	6.5	4.4	4.9
Max Green Setting (Gmax), s	10.0	* 61	25.2	29.8	23.6	46.2	6.0	49.0
Max Q Clear Time (g_c+I1), s	6.3	16.1	16.1	14.8	21.9	38.5	6.5	8.8
Green Ext Time (p_c), s	0.1	18.8	0.7	1.6	0.3	6.7	0.0	0.9

Intersection Summary	
HCM 2010 Ctrl Delay	39.5
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
22: Fenton Parkway & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	1295	590	250	880	30	335	30	390	30	25	70
Future Volume (veh/h)	70	1295	590	250	880	30	335	30	390	30	25	70
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	71	1308	557	253	889	18	338	30	258	30	25	-50
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	115	2336	881	259	2550	817	355	400	331	72	246	262
Arrive On Green	0.03	0.46	0.46	0.15	1.00	1.00	0.10	0.21	0.21	0.02	0.13	0.00
Sat Flow, veh/h	3442	5085	1563	3442	5085	1564	3442	1863	1539	3548	1863	1583
Grp Volume(v), veh/h	71	1308	557	253	889	18	338	30	258	30	25	-50
Grp Sat Flow(s),veh/h/ln	1721	1695	1563	1721	1695	1564	1721	1863	1539	1774	1863	1583
Q Serve(g_s), s	2.6	24.3	31.5	9.5	0.0	0.0	12.7	1.7	20.6	1.1	1.5	0.0
Cycle Q Clear(g_c), s	2.6	24.3	31.5	9.5	0.0	0.0	12.7	1.7	20.6	1.1	1.5	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	115	2336	881	259	2550	817	355	400	331	72	246	262
V/C Ratio(X)	0.62	0.56	0.63	0.98	0.35	0.02	0.95	0.07	0.78	0.42	0.10	-0.19
Avail Cap(c_a), veh/h	302	2336	881	259	2550	817	355	665	549	246	602	564
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.92	0.92	0.92	0.83	0.83	0.83	1.00	1.00	0.00
Uniform Delay (d), s/veh	62.0	25.6	19.3	55.1	0.0	0.0	58.0	40.7	48.1	62.9	49.6	0.0
Incr Delay (d2), s/veh	2.0	1.0	3.4	46.5	0.3	0.0	31.4	0.2	8.4	1.4	0.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	11.6	14.3	6.2	0.1	0.0	7.6	0.9	9.5	0.5	0.8	0.0
LnGrp Delay(d),s/veh	64.1	26.6	22.8	101.6	0.3	0.0	89.4	40.9	56.5	64.3	50.4	0.0
LnGrp LOS	E	C	C	F	A	A	F	D	E	E	D	
Approach Vol, veh/h		1936			1160			626			5	
Approach Delay, s/veh		26.9			22.4			73.5			638.1	
Approach LOS		C			C			E			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.2	70.9	17.8	27.1	8.7	76.4	7.0	37.8
Change Period (Y+Rc), s	4.4	11.2	4.4	* 9.9	4.4	11.2	4.4	* 9.9
Max Green Setting (Gmax), s	9.8	34.9	13.4	* 42	11.4	33.3	9.0	* 46
Max Q Clear Time (g_c+I1), s	11.5	33.5	14.7	3.5	4.6	2.0	3.1	22.6
Green Ext Time (p_c), s	0.0	1.3	0.0	0.3	0.0	15.2	0.0	2.7

Intersection Summary	
HCM 2010 Ctrl Delay	34.1
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
23: Northside Drive & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	125	1125	465	690	825	65	235	30	620	105	20	100
Future Volume (veh/h)	125	1125	465	690	825	65	235	30	620	105	20	100
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.99	1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	129	1160	386	711	851	27	242	31	541	108	21	-21
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	178	1666	509	651	2366	799	296	530	741	156	455	386
Arrive On Green	0.10	0.66	0.66	0.19	0.47	0.47	0.09	0.28	0.28	0.05	0.24	0.00
Sat Flow, veh/h	3442	5085	1554	3442	5085	1563	3442	1863	1550	3442	1863	1583
Grp Volume(v), veh/h	129	1160	386	711	851	27	242	31	541	108	21	-21
Grp Sat Flow(s),veh/h/ln	1721	1695	1554	1721	1695	1563	1721	1863	1550	1721	1863	1583
Q Serve(g_s), s	4.7	18.8	22.1	24.6	14.0	1.1	9.0	1.6	36.7	4.0	1.1	0.0
Cycle Q Clear(g_c), s	4.7	18.8	22.1	24.6	14.0	1.1	9.0	1.6	36.7	4.0	1.1	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	178	1666	509	651	2366	799	296	530	741	156	455	386
V/C Ratio(X)	0.73	0.70	0.76	1.09	0.36	0.03	0.82	0.06	0.73	0.69	0.05	-0.05
Avail Cap(c_a), veh/h	254	1666	509	651	2366	799	402	530	741	175	455	386
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.69	0.69	0.69	1.00	1.00	1.00	0.78	0.78	0.78	1.00	1.00	0.00
Uniform Delay (d), s/veh	57.4	18.3	18.9	52.7	22.3	15.8	58.4	33.8	27.6	61.1	37.6	0.0
Incr Delay (d2), s/veh	1.7	1.7	7.1	62.9	0.4	0.1	5.3	0.1	4.0	7.3	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	8.8	10.3	17.4	6.6	0.5	4.5	0.8	16.5	2.1	0.6	0.0
LnGrp Delay(d),s/veh	59.1	20.0	26.0	115.6	22.7	15.9	63.7	33.9	31.6	68.4	37.8	0.0
LnGrp LOS	E	B	C	F	C	B	E	C	C	E	D	
Approach Vol, veh/h		1675			1589			814			108	
Approach Delay, s/veh		24.4			64.2			41.2			75.8	
Approach LOS		C			E			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	29.0	48.8	15.6	36.6	11.1	66.7	10.3	41.9
Change Period (Y+Rc), s	4.4	* 6.2	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	24.6	* 42	15.2	28.4	9.6	56.9	6.6	37.0
Max Q Clear Time (g_c+I1), s	26.6	24.1	11.0	3.1	6.7	16.0	6.0	38.7
Green Ext Time (p_c), s	0.0	14.0	0.2	0.2	0.0	13.7	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	44.1
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
36: Northside Drive & Rio San Diego Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	580	20	20	15	25	125	20	180	30	140	295	395
Future Volume (veh/h)	580	20	20	15	25	125	20	180	30	140	295	395
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.96	1.00		0.95	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	646	0	0	16	26	116	21	189	27	147	311	332
Adj No. of Lanes	2	1	0	0	1	1	1	2	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	894	470	0	111	181	244	35	660	279	186	506	819
Arrive On Green	0.25	0.00	0.00	0.16	0.16	0.16	0.02	0.19	0.19	0.10	0.27	0.27
Sat Flow, veh/h	3548	1863	0	696	1132	1524	1774	3539	1498	1774	1863	1548
Grp Volume(v), veh/h	646	0	0	42	0	116	21	189	27	147	311	332
Grp Sat Flow(s),veh/h/ln	1774	1863	0	1828	0	1524	1774	1770	1498	1774	1863	1548
Q Serve(g_s), s	10.7	0.0	0.0	1.3	0.0	4.5	0.8	3.0	1.0	5.2	9.4	8.4
Cycle Q Clear(g_c), s	10.7	0.0	0.0	1.3	0.0	4.5	0.8	3.0	1.0	5.2	9.4	8.4
Prop In Lane	1.00		0.00	0.38		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	894	470	0	292	0	244	35	660	279	186	506	819
V/C Ratio(X)	0.72	0.00	0.00	0.14	0.00	0.48	0.61	0.29	0.10	0.79	0.62	0.41
Avail Cap(c_a), veh/h	1550	814	0	853	0	711	110	996	422	268	689	972
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	22.0	0.0	0.0	23.2	0.0	24.6	31.3	22.5	21.7	28.1	20.5	9.3
Incr Delay (d2), s/veh	0.4	0.0	0.0	0.1	0.0	0.5	6.3	0.1	0.1	6.0	3.2	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.3	0.0	0.0	0.6	0.0	1.9	0.4	1.5	0.4	2.8	5.3	5.6
LnGrp Delay(d),s/veh	22.4	0.0	0.0	23.3	0.0	25.1	37.6	22.6	21.7	34.1	23.6	10.1
LnGrp LOS	C			C		C	D	C	C	C	C	B
Approach Vol, veh/h		646			158			237			790	
Approach Delay, s/veh		22.4			24.6			23.8			19.9	
Approach LOS		C			C			C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	11.1	16.9		21.1	5.7	22.4		15.2
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	9.7	18.1		28.1	4.0	23.8		30.0
Max Q Clear Time (g_c+I1), s	7.2	5.0		12.7	2.8	11.4		6.5
Green Ext Time (p_c), s	0.0	0.7		1.2	0.0	5.2		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	21.7
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
37: Rancho Mission Road & San Diego Mission Road

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0	0
Future Volume (veh/h)	0	0	0	0	0	0	0	0	0	0	0	0
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	0	0	-79	0	0	-126	0	0	-51	0	0	-78
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	9999	9999	419	9999	9999	9999	9999	9999	9999	9999	9999	9999
Arrive On Green	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	1774	3632	0	1774	3539	1583	1774	1863	1583	1774	1863	1583
Grp Volume(v), veh/h	0	-79	-79	0	0	-126	0	0	-51	0	0	-78
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1774	1770	1583	1774	1863	1583	1774	1863	1583
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		0.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	2650	2459	2426	2004	48	2650	2459	2398	2758	2326	2534	1536
V/C Ratio(X)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	3975	3689	3639	4706	816	2915	2706	2640	2758	2326	2534	1536
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp LOS												
Approach Vol, veh/h		-158			-126			-51			-78	
Approach Delay, s/veh		0.0			0.0			0.0			0.0	
Approach LOS		A			A			A			A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Change Period (Y+Rc), s	4.0	10.5	4.0	* 10	4.0	* 11	4.0	* 10
Max Green Setting (Gmax), s	11.0	30.4	18.0	* 27	15.0	* 27	14.0	* 31
Max Q Clear Time (g_c+I1), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Green Ext Time (p_c), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	0.0
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
38: Mission Center Road & Harzard Center Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	155	10	400	30	15	15	325	810	50	85	880	95
Future Volume (veh/h)	155	10	400	30	15	15	325	810	50	85	880	95
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.88	1.00		0.95	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	171	0	274	32	16	11	342	853	42	89	926	79
Adj No. of Lanes	2	0	1	0	1	1	2	2	1	1	3	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	805	0	503	46	23	53	342	1178	500	114	1417	121
Arrive On Green	0.23	0.00	0.23	0.04	0.04	0.04	0.10	0.33	0.33	0.06	0.30	0.30
Sat Flow, veh/h	3548	0	1522	1202	601	1392	3442	3539	1502	1774	4761	405
Grp Volume(v), veh/h	171	0	274	48	0	11	342	853	42	89	659	346
Grp Sat Flow(s),veh/h/ln	1774	0	1522	1803	0	1392	1721	1770	1502	1774	1695	1775
Q Serve(g_s), s	3.2	0.0	11.9	2.1	0.0	0.6	8.0	17.1	1.5	4.0	13.6	13.7
Cycle Q Clear(g_c), s	3.2	0.0	11.9	2.1	0.0	0.6	8.0	17.1	1.5	4.0	13.6	13.7
Prop In Lane	1.00		1.00	0.67		1.00	1.00		1.00	1.00		0.23
Lane Grp Cap(c), veh/h	805	0	503	69	0	53	342	1178	500	114	1009	528
V/C Ratio(X)	0.21	0.00	0.55	0.69	0.00	0.21	1.00	0.72	0.08	0.78	0.65	0.66
Avail Cap(c_a), veh/h	1410	0	762	358	0	277	342	1481	628	132	1128	591
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.3	0.0	22.3	38.3	0.0	37.5	36.3	23.6	18.4	37.1	24.6	24.7
Incr Delay (d2), s/veh	0.2	0.0	1.2	4.6	0.0	0.7	48.7	2.0	0.1	19.0	1.7	3.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	5.1	1.1	0.0	0.2	6.1	8.6	0.7	2.6	6.6	7.2
LnGrp Delay(d),s/veh	25.5	0.0	23.5	42.9	0.0	38.2	85.0	25.6	18.6	56.1	26.3	27.9
LnGrp LOS	C		C	D		D	F	C	B	E	C	C
Approach Vol, veh/h		445			59			1237			1094	
Approach Delay, s/veh		24.2			42.0			41.8			29.2	
Approach LOS		C			D			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.2	37.0		27.3	12.0	34.2		7.1
Change Period (Y+Rc), s	4.0	* 10		9.0	4.0	10.2		4.0
Max Green Setting (Gmax), s	6.0	* 34		32.0	8.0	26.8		16.0
Max Q Clear Time (g_c+I1), s	6.0	19.1		13.9	10.0	15.7		4.1
Green Ext Time (p_c), s	0.0	7.7		2.1	0.0	6.7		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	34.2
HCM 2010 LOS	C

Notes

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	300	425	140	330	395	120
Future Volume (veh/h)	300	425	140	330	395	120
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.96	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	316	352	147	252	416	126
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	415	794	458	374	474	1101
Arrive On Green	0.23	0.23	0.25	0.25	0.27	0.59
Sat Flow, veh/h	1774	1583	1863	1519	1774	1863
Grp Volume(v), veh/h	316	352	147	252	416	126
Grp Sat Flow(s),veh/h/ln	1774	1583	1863	1519	1774	1863
Q Serve(g_s), s	8.5	7.3	3.3	7.7	11.5	1.5
Cycle Q Clear(g_c), s	8.5	7.3	3.3	7.7	11.5	1.5
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	415	794	458	374	474	1101
V/C Ratio(X)	0.76	0.44	0.32	0.67	0.88	0.11
Avail Cap(c_a), veh/h	621	977	652	531	517	1267
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.4	8.2	15.9	17.5	18.0	4.6
Incr Delay (d2), s/veh	3.1	0.4	0.4	2.1	14.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	3.3	1.8	3.4	7.5	0.8
LnGrp Delay(d),s/veh	21.4	8.6	16.3	19.7	32.9	4.7
LnGrp LOS	C	A	B	B	C	A
Approach Vol, veh/h	668		399			542
Approach Delay, s/veh	14.7		18.4			26.3
Approach LOS	B		B			C

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	17.7	17.1				34.9		16.5
Change Period (Y+Rc), s	4.0	4.5				4.5		4.5
Max Green Setting (Gmax), s	15.0	18.0				35.0		18.0
Max Q Clear Time (g_c+I1), s	13.5	9.7				3.5		10.5
Green Ext Time (p_c), s	0.2	1.1				0.7		1.5

Intersection Summary	
HCM 2010 Ctrl Delay	19.5
HCM 2010 LOS	B

HCM 2010 Signalized Intersection Summary
40: Mission Center Road & Camino De La Reina

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	280	440	260	370	350	340	230	565	285	390	640	260
Future Volume (veh/h)	280	440	260	370	350	340	230	565	285	390	640	260
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.96	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	286	449	194	378	357	276	235	577	220	398	653	173
Adj No. of Lanes	2	2	0	2	2	0	2	3	0	2	3	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	366	598	256	458	523	397	228	832	308	332	1319	395
Arrive On Green	0.11	0.25	0.25	0.13	0.28	0.28	0.07	0.23	0.23	0.10	0.26	0.26
Sat Flow, veh/h	3442	2387	1021	3442	1887	1431	3442	3629	1344	3442	5085	1522
Grp Volume(v), veh/h	286	332	311	378	334	299	235	538	259	398	653	173
Grp Sat Flow(s),veh/h/ln	1721	1770	1637	1721	1770	1548	1721	1695	1583	1721	1695	1522
Q Serve(g_s), s	8.1	17.2	17.5	10.6	16.7	17.2	6.6	14.5	15.0	9.6	10.9	9.4
Cycle Q Clear(g_c), s	8.1	17.2	17.5	10.6	16.7	17.2	6.6	14.5	15.0	9.6	10.9	9.4
Prop In Lane	1.00		0.62	1.00		0.92	1.00		0.85	1.00		1.00
Lane Grp Cap(c), veh/h	366	444	410	458	491	429	228	777	363	332	1319	395
V/C Ratio(X)	0.78	0.75	0.76	0.83	0.68	0.70	1.03	0.69	0.71	1.20	0.50	0.44
Avail Cap(c_a), veh/h	1612	1039	961	837	640	560	228	985	460	332	1641	491
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.3	34.4	34.5	42.0	32.0	32.2	46.4	35.1	35.3	44.9	31.3	30.8
Incr Delay (d2), s/veh	1.4	2.7	3.0	1.5	3.4	4.3	67.3	2.3	5.5	114.7	0.6	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.9	8.7	8.2	5.1	8.6	7.8	5.2	7.0	7.1	9.8	5.1	4.1
LnGrp Delay(d),s/veh	44.7	37.0	37.5	43.5	35.5	36.5	113.9	37.4	40.8	159.7	31.9	32.3
LnGrp LOS	D	D	D	D	D	D	F	D	D	F	C	C
Approach Vol, veh/h		929			1011			1032			1224	
Approach Delay, s/veh		39.5			38.7			55.7			73.5	
Approach LOS		D			D			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.0	33.0	17.6	34.8	11.0	36.0	15.0	37.5
Change Period (Y+Rc), s	4.4	10.2	4.4	* 9.9	4.4	* 10	4.4	* 9.9
Max Green Setting (Gmax), s	9.6	28.9	24.2	* 58	6.6	* 32	46.6	* 36
Max Q Clear Time (g_c+I1), s	11.6	17.0	12.6	19.5	8.6	12.9	10.1	19.2
Green Ext Time (p_c), s	0.0	5.8	0.6	4.9	0.0	7.9	0.5	6.2

Intersection Summary	
HCM 2010 Ctrl Delay	53.2
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
41: Camino Del Este & Camino De La Reina

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	205	525	235	185	425	40	150	130	100	120	285	265
Future Volume (veh/h)	205	525	235	185	425	40	150	130	100	120	285	265
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.96	0.99		0.98	0.99		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	214	547	193	193	443	32	156	135	73	125	297	214
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	254	844	363	233	803	343	307	1075	471	415	1075	465
Arrive On Green	0.14	0.24	0.24	0.13	0.23	0.23	0.30	0.30	0.30	0.30	0.30	0.30
Sat Flow, veh/h	1774	3539	1521	1774	3539	1514	878	3539	1552	1153	3539	1531
Grp Volume(v), veh/h	214	547	193	193	443	32	156	135	73	125	297	214
Grp Sat Flow(s),veh/h/ln	1774	1770	1521	1774	1770	1514	878	1770	1552	1153	1770	1531
Q Serve(g_s), s	8.8	10.4	8.3	7.9	8.3	1.2	12.3	2.1	2.6	6.6	4.8	8.5
Cycle Q Clear(g_c), s	8.8	10.4	8.3	7.9	8.3	1.2	17.0	2.1	2.6	8.6	4.8	8.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	254	844	363	233	803	343	307	1075	471	415	1075	465
V/C Ratio(X)	0.84	0.65	0.53	0.83	0.55	0.09	0.51	0.13	0.15	0.30	0.28	0.46
Avail Cap(c_a), veh/h	275	1368	588	304	1420	607	440	1610	706	589	1610	696
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	31.2	25.6	24.8	31.6	25.5	22.8	26.3	18.8	19.0	22.0	19.8	21.1
Incr Delay (d2), s/veh	18.0	0.9	1.3	10.7	0.6	0.1	0.9	0.0	0.1	0.3	0.1	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.5	5.2	3.6	4.6	4.1	0.5	3.0	1.0	1.1	2.1	2.3	3.6
LnGrp Delay(d),s/veh	49.2	26.5	26.1	42.4	26.1	22.9	27.1	18.9	19.1	22.2	19.9	21.5
LnGrp LOS	D	C	C	D	C	C	C	B	B	C	B	C
Approach Vol, veh/h		954			668			364			636	
Approach Delay, s/veh		31.5			30.7			22.5			20.9	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	14.2	27.9		32.6	15.1	27.1		32.6
Change Period (Y+Rc), s	4.4	* 10		* 9.9	4.4	* 10		* 9.9
Max Green Setting (Gmax), s	12.8	* 29		* 34	11.6	* 30		* 34
Max Q Clear Time (g_c+I1), s	9.9	12.4		10.6	10.8	10.3		19.0
Green Ext Time (p_c), s	0.1	4.2		2.5	0.0	2.9		1.4

Intersection Summary	
HCM 2010 Ctrl Delay	27.5
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
48: Hotel Circle North/Camino De La Reina & Fashion Valley Road



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	405	450	0	490
Future Volume (veh/h)	0	0	405	450	0	490
Number			2	12	7	14
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.95	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1863	1863	1863
Adj Flow Rate, veh/h			426	358	0	421
Adj No. of Lanes			2	1	1	2
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			1110	470	0	0
Arrive On Green			0.31	0.31	0.00	0.00
Sat Flow, veh/h			3632	1500	0	
Grp Volume(v), veh/h			426	358	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1500		
Q Serve(g_s), s			6.1	14.0		
Cycle Q Clear(g_c), s			6.1	14.0		
Prop In Lane				1.00		
Lane Grp Cap(c), veh/h			1110	470		
V/C Ratio(X)			0.38	0.76		
Avail Cap(c_a), veh/h			1530	649		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			17.4	20.1		
Incr Delay (d2), s/veh			0.3	4.3		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			3.0	6.3		
LnGrp Delay(d),s/veh			17.7	24.5		
LnGrp LOS			B	C		
Approach Vol, veh/h			784			
Approach Delay, s/veh			20.8			
Approach LOS			C			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		30.3						
Change Period (Y+Rc), s		* 9.9						
Max Green Setting (Gmax), s		* 28						
Max Q Clear Time (g_c+I1), s		16.0						
Green Ext Time (p_c), s		4.4						

Intersection Summary	
HCM 2010 Ctrl Delay	20.8
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
49: Mission Center Road & Camino Del Rio N

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	15	325	145	335	325	600	220	465	515	315	690	85
Future Volume (veh/h)	15	325	145	335	325	600	220	465	515	315	690	85
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	15	335	0	345	335	413	227	479	0	325	711	67
Adj No. of Lanes	1	2	1	2	1	1	2	2	1	2	2	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	25	689	308	442	575	479	311	842	377	418	953	410
Arrive On Green	0.01	0.19	0.00	0.13	0.31	0.31	0.09	0.24	0.00	0.12	0.27	0.27
Sat Flow, veh/h	1774	3539	1583	3442	1863	1553	3442	3539	1583	3442	3539	1523
Grp Volume(v), veh/h	15	335	0	345	335	413	227	479	0	325	711	67
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1863	1553	1721	1770	1583	1721	1770	1523
Q Serve(g_s), s	0.6	6.4	0.0	7.3	11.5	18.9	4.9	9.0	0.0	6.9	13.9	2.5
Cycle Q Clear(g_c), s	0.6	6.4	0.0	7.3	11.5	18.9	4.9	9.0	0.0	6.9	13.9	2.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	25	689	308	442	575	479	311	842	377	418	953	410
V/C Ratio(X)	0.59	0.49	0.00	0.78	0.58	0.86	0.73	0.57	0.00	0.78	0.75	0.16
Avail Cap(c_a), veh/h	94	1184	530	687	763	636	346	922	412	514	1095	471
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	37.1	27.1	0.0	31.9	22.0	24.6	33.5	25.4	0.0	32.2	25.3	21.1
Incr Delay (d2), s/veh	7.9	0.5	0.0	1.2	0.3	7.4	5.5	0.3	0.0	6.0	3.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	3.2	0.0	3.6	5.9	9.0	2.5	4.4	0.0	3.6	7.1	1.1
LnGrp Delay(d),s/veh	45.0	27.6	0.0	33.1	22.4	32.0	39.0	25.7	0.0	38.2	28.2	21.4
LnGrp LOS	D	C		C	C	C	D	C		D	C	C
Approach Vol, veh/h		350			1093			706			1103	
Approach Delay, s/veh		28.4			29.4			30.0			30.8	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.6	22.9	14.1	25.0	11.2	25.3	5.5	33.7
Change Period (Y+Rc), s	4.4	4.9	4.4	* 10	4.4	4.9	4.4	10.3
Max Green Setting (Gmax), s	11.3	19.7	15.1	* 25	7.6	23.4	4.0	31.0
Max Q Clear Time (g_c+I1), s	8.9	11.0	9.3	8.4	6.9	15.9	2.6	20.9
Green Ext Time (p_c), s	0.3	1.3	0.4	2.0	0.0	3.8	0.0	1.8

Intersection Summary	
HCM 2010 Ctrl Delay	29.9
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
50: I-8 WB Ramps/Mission Valley Mall Driveway & Camino Del Rio N

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	430	725	330	465	0	795	255	275	0	0	0
Future Volume (veh/h)	0	430	725	330	465	0	795	255	275	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	453	0	347	489	0	552	666	0			
Adj No. of Lanes	0	2	1	1	2	0	1	1	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	692	310	382	1645	0	704	739	629			
Arrive On Green	0.00	0.20	0.00	0.22	0.46	0.00	0.40	0.40	0.00			
Sat Flow, veh/h	0	3632	1583	1774	3632	0	1774	1863	1583			
Grp Volume(v), veh/h	0	453	0	347	489	0	552	666	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1774	1770	0	1774	1863	1583			
Q Serve(g_s), s	0.0	10.3	0.0	16.6	7.5	0.0	23.7	29.2	0.0			
Cycle Q Clear(g_c), s	0.0	10.3	0.0	16.6	7.5	0.0	23.7	29.2	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	692	310	382	1645	0	704	739	629			
V/C Ratio(X)	0.00	0.65	0.00	0.91	0.30	0.00	0.78	0.90	0.00			
Avail Cap(c_a), veh/h	0	692	310	414	1710	0	735	772	656			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
Uniform Delay (d), s/veh	0.0	32.2	0.0	33.3	14.4	0.0	22.9	24.6	0.0			
Incr Delay (d2), s/veh	0.0	4.8	0.0	21.6	0.1	0.0	5.7	13.7	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	5.5	0.0	10.4	3.6	0.0	12.6	17.8	0.0			
LnGrp Delay(d),s/veh	0.0	37.0	0.0	54.8	14.5	0.0	28.7	38.3	0.0			
LnGrp LOS		D		D	B		C	D				
Approach Vol, veh/h		453			836			1218				
Approach Delay, s/veh		37.0			31.3			33.9				
Approach LOS		D			C			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	23.4	23.0		40.5		46.4		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 20	17.0		36.0		42.0		
Max Q Clear Time (g_c+I1), s	18.6	12.3		31.2		9.5		
Green Ext Time (p_c), s	0.1	1.3		3.3		3.8		

Intersection Summary			
HCM 2010 Ctrl Delay		33.6	
HCM 2010 LOS		C	

Notes

HCM 2010 Signalized Intersection Summary
51: Camino Del Rio N & Camino Del Este



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	240	295	325	195	425	185
Future Volume (veh/h)	240	295	325	195	425	185
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	247	304	335	160	438	150
Adj No. of Lanes	1	1	2	1	1	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	285	1145	1428	623	481	429
Arrive On Green	0.16	0.61	0.40	0.40	0.27	0.27
Sat Flow, veh/h	1774	1863	3632	1544	1774	1583
Grp Volume(v), veh/h	247	304	335	160	438	150
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	1544	1774	1583
Q Serve(g_s), s	10.7	5.9	4.9	5.4	18.9	6.0
Cycle Q Clear(g_c), s	10.7	5.9	4.9	5.4	18.9	6.0
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	285	1145	1428	623	481	429
V/C Ratio(X)	0.87	0.27	0.23	0.26	0.91	0.35
Avail Cap(c_a), veh/h	292	1145	1428	623	506	452
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	32.3	7.0	15.5	15.7	27.8	23.1
Incr Delay (d2), s/veh	21.6	0.6	0.4	1.0	20.4	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.9	3.2	2.4	2.5	12.0	5.7
LnGrp Delay(d),s/veh	53.9	7.6	15.9	16.7	48.3	23.8
LnGrp LOS	D	A	B	B	D	C
Approach Vol, veh/h		551	495		588	
Approach Delay, s/veh		28.3	16.1		42.0	
Approach LOS		C	B		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		53.0		25.9	16.7	36.3		
Change Period (Y+Rc), s		4.5		4.5	4.0	4.5		
Max Green Setting (Gmax), s		48.5		22.5	13.0	31.5		
Max Q Clear Time (g_c+I1), s		7.9		20.9	12.7	7.4		
Green Ext Time (p_c), s		1.7		0.5	0.0	2.3		

Intersection Summary	
HCM 2010 Ctrl Delay	29.6
HCM 2010 LOS	C

HCM 2010 Signalized Intersection Summary
58: Mission Center Road & I-8 EB Ramp

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	735	0	270	0	0	0	0	465	220	605	565	0
Future Volume (veh/h)	735	0	270	0	0	0	0	465	220	605	565	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	774	0	0				0	489	0	688	524	0
Adj No. of Lanes	2	1	0				0	2	1	2	1	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	1233	667	0				0	393	176	1205	633	0
Arrive On Green	0.36	0.00	0.00				0.00	0.11	0.00	0.34	0.34	0.00
Sat Flow, veh/h	3442	1863	0				0	3632	1583	3548	1863	0
Grp Volume(v), veh/h	774	0	0				0	489	0	688	524	0
Grp Sat Flow(s),veh/h/ln	1721	1863	0				0	1770	1583	1774	1863	0
Q Serve(g_s), s	16.8	0.0	0.0				0.0	10.0	0.0	14.3	23.3	0.0
Cycle Q Clear(g_c), s	16.8	0.0	0.0				0.0	10.0	0.0	14.3	23.3	0.0
Prop In Lane	1.00		0.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1233	667	0				0	393	176	1205	633	0
V/C Ratio(X)	0.63	0.00	0.00				0.00	1.24	0.00	0.57	0.83	0.00
Avail Cap(c_a), veh/h	1233	667	0				0	393	176	1612	847	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	0.87	0.00	0.74	0.74	0.00
Uniform Delay (d), s/veh	23.9	0.0	0.0				0.0	40.0	0.0	24.3	27.3	0.0
Incr Delay (d2), s/veh	2.4	0.0	0.0				0.0	127.0	0.0	0.1	2.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.4	0.0	0.0				0.0	11.8	0.0	7.0	12.4	0.0
LnGrp Delay(d),s/veh	26.3	0.0	0.0				0.0	167.0	0.0	24.5	30.2	0.0
LnGrp LOS	C							F		C	C	
Approach Vol, veh/h		774						489			1212	
Approach Delay, s/veh		26.3						167.0			27.0	
Approach LOS		C						F			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		38.3		15.0				36.7
Change Period (Y+Rc), s		6.1		5.0				6.1
Max Green Setting (Gmax), s		21.9		10.0				40.9
Max Q Clear Time (g_c+I1), s		18.8		12.0				25.3
Green Ext Time (p_c), s		0.7		0.0				3.1

Intersection Summary	
HCM 2010 Ctrl Delay	54.4
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
59: Mission Center Road & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	375	155	10	15	80	280	5	30	10	380	50	405
Future Volume (veh/h)	375	155	10	15	80	280	5	30	10	380	50	405
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.95	1.00		0.94	1.00		0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	395	163	0	16	84	263	5	32	6	438	0	405
Adj No. of Lanes	2	1	0	0	2	1	0	1	1	2	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	474	249	0	56	625	755	23	148	137	1059	0	446
Arrive On Green	0.13	0.13	0.00	0.19	0.19	0.19	0.09	0.09	0.09	0.30	0.00	0.30
Sat Flow, veh/h	3548	1863	0	296	3322	1499	250	1600	1481	3548	0	1496
Grp Volume(v), veh/h	395	163	0	100	0	263	37	0	6	438	0	405
Grp Sat Flow(s),veh/h/ln	1774	1863	0	1848	1770	1499	1850	0	1481	1774	0	1496
Q Serve(g_s), s	9.2	7.1	0.0	3.9	0.0	9.3	1.6	0.0	0.3	8.4	0.0	22.1
Cycle Q Clear(g_c), s	9.2	7.1	0.0	3.9	0.0	9.3	1.6	0.0	0.3	8.4	0.0	22.1
Prop In Lane	1.00		0.00	0.16		1.00	0.14		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	474	249	0	348	333	755	171	0	137	1059	0	446
V/C Ratio(X)	0.83	0.65	0.00	0.29	0.00	0.35	0.22	0.00	0.04	0.41	0.00	0.91
Avail Cap(c_a), veh/h	497	261	0	348	333	755	171	0	137	1156	0	487
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.71	0.00	0.71
Uniform Delay (d), s/veh	35.9	35.0	0.0	29.6	0.0	13.6	35.7	0.0	35.1	23.9	0.0	28.7
Incr Delay (d2), s/veh	10.4	4.1	0.0	0.2	0.0	0.1	0.6	0.0	0.1	0.8	0.0	19.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.2	3.9	0.0	2.0	0.0	6.1	0.8	0.0	0.1	4.2	0.0	11.5
LnGrp Delay(d),s/veh	46.3	39.1	0.0	29.8	0.0	13.7	36.3	0.0	35.3	24.7	0.0	47.9
LnGrp LOS	D	D		C		B	D		D	C		D
Approach Vol, veh/h		558			363			43			843	
Approach Delay, s/veh		44.2			18.1			36.2			35.8	
Approach LOS		D			B			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Phs Duration (G+Y+Rc), s		14.0		22.1		31.5		17.5
Change Period (Y+Rc), s		6.1		6.1		6.1		6.1
Max Green Setting (Gmax), s		5.0		16.0		27.7		11.9
Max Q Clear Time (g_c+I1), s		3.6		11.3		24.1		11.2
Green Ext Time (p_c), s		0.0		0.4		0.8		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	34.9
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
60: Qualcomm Way & I-8 EB Ramp



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	520	0	1220	965	500
Future Volume (veh/h)	0	520	0	1220	965	500
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	0	342	0	1245	985	234
Adj No. of Lanes	1	2	0	2	2	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	331	520	0	1798	1798	772
Arrive On Green	0.00	0.19	0.00	0.51	0.51	0.51
Sat Flow, veh/h	1774	2787	0	3725	3632	1520
Grp Volume(v), veh/h	0	342	0	1245	985	234
Grp Sat Flow(s),veh/h/ln	1774	1393	0	1770	1770	1520
Q Serve(g_s), s	0.0	4.0	0.0	9.3	6.6	3.1
Cycle Q Clear(g_c), s	0.0	4.0	0.0	9.3	6.6	3.1
Prop In Lane	1.00	1.00	0.00			1.00
Lane Grp Cap(c), veh/h	331	520	0	1798	1798	772
V/C Ratio(X)	0.00	0.66	0.00	0.69	0.55	0.30
Avail Cap(c_a), veh/h	2172	3412	0	4782	4782	2054
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	0.0	13.1	0.0	6.5	5.8	5.0
Incr Delay (d2), s/veh	0.0	0.5	0.0	0.2	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.6	0.0	4.4	3.2	1.3
LnGrp Delay(d),s/veh	0.0	13.6	0.0	6.7	5.9	5.0
LnGrp LOS		B		A	A	A
Approach Vol, veh/h	342			1245	1219	
Approach Delay, s/veh	13.6			6.7	5.8	
Approach LOS	B			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		22.7		12.0		22.7		
Change Period (Y+Rc), s		5.1		5.5		5.1		
Max Green Setting (Gmax), s		46.9		42.5		46.9		
Max Q Clear Time (g_c+I1), s		11.3		6.0		8.6		
Green Ext Time (p_c), s		6.4		0.8		3.4		

Intersection Summary	
HCM 2010 Ctrl Delay	7.1
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
61: Texas Street/Qualcomm Way & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	195	105	100	110	70	455	85	910	155	410	745	280
Future Volume (veh/h)	195	105	100	110	70	455	85	910	155	410	745	280
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.94	1.00		0.95	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	205	111	52	116	74	142	89	958	121	432	784	274
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	270	284	328	213	224	528	112	1030	130	392	1720	738
Arrive On Green	0.15	0.15	0.15	0.12	0.12	0.12	0.06	0.33	0.33	0.22	0.49	0.49
Sat Flow, veh/h	1774	1863	1501	1774	1863	1484	1774	3141	397	1774	3539	1519
Grp Volume(v), veh/h	205	111	52	116	74	142	89	540	539	432	784	274
Grp Sat Flow(s),veh/h/ln	1774	1863	1501	1774	1863	1484	1774	1770	1768	1774	1770	1519
Q Serve(g_s), s	13.3	6.5	3.4	7.4	4.4	8.4	6.0	35.5	35.5	26.6	17.6	13.6
Cycle Q Clear(g_c), s	13.3	6.5	3.4	7.4	4.4	8.4	6.0	35.5	35.5	26.6	17.6	13.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.22	1.00		1.00
Lane Grp Cap(c), veh/h	270	284	328	213	224	528	112	580	580	392	1720	738
V/C Ratio(X)	0.76	0.39	0.16	0.54	0.33	0.27	0.80	0.93	0.93	1.10	0.46	0.37
Avail Cap(c_a), veh/h	398	418	437	442	464	720	218	587	586	392	1720	738
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.9	46.0	38.4	49.8	48.5	28.9	55.6	39.1	39.1	46.9	20.4	19.4
Incr Delay (d2), s/veh	4.8	0.9	0.2	0.8	0.3	0.1	4.8	22.5	22.6	75.8	0.2	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.9	3.4	1.4	3.7	2.3	3.5	3.1	20.9	20.9	21.2	8.7	5.8
LnGrp Delay(d),s/veh	53.7	46.9	38.6	50.6	48.8	29.0	60.4	61.6	61.7	122.7	20.7	19.8
LnGrp LOS	D	D	D	D	D	C	E	E	E	F	C	B
Approach Vol, veh/h		368			332			1168			1490	
Approach Delay, s/veh		49.5			41.0			61.5			50.1	
Approach LOS		D			D			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	31.0	46.5		23.2	12.0	65.5		19.7
Change Period (Y+Rc), s	4.4	7.0		4.9	4.4	* 7		5.2
Max Green Setting (Gmax), s	26.6	39.9		27.0	14.8	* 54		30.0
Max Q Clear Time (g_c+I1), s	28.6	37.5		15.3	8.0	19.6		10.4
Green Ext Time (p_c), s	0.0	2.0		1.1	0.0	9.2		0.6

Intersection Summary	
HCM 2010 Ctrl Delay	53.1
HCM 2010 LOS	D

Notes

PM Peak Hour

HCM 2010 Signalized Intersection Summary
1: I-5 SB Ramps & Seaworld Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1140	160	290	580	0	0	0	0	330	0	1320
Future Volume (veh/h)	0	1140	160	290	580	0	0	0	0	330	0	1320
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.94	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	0	1863
Adj Flow Rate, veh/h	0	1188	167	302	604	0				344	0	88
Adj No. of Lanes	0	2	1	2	2	0				1	0	1
Peak Hour Factor	0.95	0.96	0.96	0.96	0.96	0.95				0.96	0.95	0.96
Percent Heavy Veh, %	0	2	2	2	2	0				2	0	2
Cap, veh/h	0	1323	559	930	2456	0				372	0	332
Arrive On Green	0.00	0.37	0.37	0.27	0.69	0.00				0.21	0.00	0.21
Sat Flow, veh/h	0	3632	1495	3442	3632	0				1774	0	1583
Grp Volume(v), veh/h	0	1188	167	302	604	0				344	0	88
Grp Sat Flow(s),veh/h/ln	0	1770	1495	1721	1770	0				1774	0	1583
Q Serve(g_s), s	0.0	34.8	8.7	7.7	6.9	0.0				20.9	0.0	5.1
Cycle Q Clear(g_c), s	0.0	34.8	8.7	7.7	6.9	0.0				20.9	0.0	5.1
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1323	559	930	2456	0				372	0	332
V/C Ratio(X)	0.00	0.90	0.30	0.32	0.25	0.00				0.93	0.00	0.27
Avail Cap(c_a), veh/h	0	1528	646	930	2456	0				514	0	459
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.09	0.09	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	32.5	24.3	32.1	6.2	0.0				42.6	0.0	36.4
Incr Delay (d2), s/veh	0.0	9.8	1.4	0.0	0.0	0.0				15.9	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	18.8	3.8	3.7	3.4	0.0				11.9	0.0	2.3
LnGrp Delay(d),s/veh	0.0	42.3	25.6	32.1	6.2	0.0				58.5	0.0	36.5
LnGrp LOS		D	C	C	A					E		D
Approach Vol, veh/h		1355			906						432	
Approach Delay, s/veh		40.3			14.9						54.0	
Approach LOS		D			B						D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	35.2	46.6		28.2		81.8		
Change Period (Y+Rc), s	5.5	* 5.5		5.1		5.5		
Max Green Setting (Gmax), s	15.3	* 48		31.9		67.5		
Max Q Clear Time (g_c+I1), s	9.7	36.8		22.9		8.9		
Green Ext Time (p_c), s	0.3	4.3		0.1		2.5		

Intersection Summary	
HCM 2010 Ctrl Delay	33.9
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
2: I-5 NB Ramps & Seaworld Drive/Tecolote Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	810	660	0	0	550	530	320	20	620	0	0	0
Future Volume (veh/h)	810	660	0	0	550	530	320	20	620	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		0.98			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1900	1863	1863			
Adj Flow Rate, veh/h	844	688	0	0	573	292	333	21	438			
Adj No. of Lanes	2	2	0	0	2	0	0	1	1			
Peak Hour Factor	0.96	0.96	0.95	0.95	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	875	2164	0	0	714	363	495	31	459			
Arrive On Green	0.25	0.61	0.00	0.00	0.32	0.32	0.30	0.30	0.30			
Sat Flow, veh/h	3442	3632	0	0	2338	1142	1674	106	1551			
Grp Volume(v), veh/h	844	688	0	0	452	413	354	0	438			
Grp Sat Flow(s),veh/h/ln	1721	1770	0	0	1770	1618	1779	0	1551			
Q Serve(g_s), s	29.1	11.3	0.0	0.0	28.0	28.1	21.0	0.0	33.2			
Cycle Q Clear(g_c), s	29.1	11.3	0.0	0.0	28.0	28.1	21.0	0.0	33.2			
Prop In Lane	1.00		0.00	0.00		0.71	0.94		1.00			
Lane Grp Cap(c), veh/h	875	2164	0	0	563	515	527	0	459			
V/C Ratio(X)	0.96	0.32	0.00	0.00	0.80	0.80	0.67	0.00	0.95			
Avail Cap(c_a), veh/h	875	2164	0	0	563	515	550	0	480			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.65	0.65	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	44.2	11.2	0.0	0.0	37.5	37.5	37.1	0.0	41.4			
Incr Delay (d2), s/veh	16.7	0.3	0.0	0.0	11.5	12.5	2.4	0.0	28.6			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	15.9	5.5	0.0	0.0	15.5	14.3	10.7	0.0	17.9			
LnGrp Delay(d),s/veh	60.9	11.5	0.0	0.0	48.9	50.0	39.5	0.0	70.0			
LnGrp LOS	E	B			D	D	D		E			
Approach Vol, veh/h		1532			865			792				
Approach Delay, s/veh		38.7			49.4			56.4				
Approach LOS		D			D			E				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		79.4		40.6	35.2	44.2		
Change Period (Y+Rc), s		6.0		5.1	* 4.7	6.0		
Max Green Setting (Gmax), s		71.8		37.1	* 31	36.6		
Max Q Clear Time (g_c+I1), s		13.3		35.2	31.1	30.1		
Green Ext Time (p_c), s		2.9		0.3	0.0	2.0		

Intersection Summary	
HCM 2010 Ctrl Delay	46.0
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
3: I-805 SB Ramps & Phyllis Place

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1090	350	570	690	0	0	0	0	370	10	920
Future Volume (veh/h)	0	1090	350	570	690	0	0	0	0	370	10	920
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	1863	1900
Adj Flow Rate, veh/h	0	1147	157	600	726	0				389	11	547
Adj No. of Lanes	0	2	1	2	1	0				2	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95				0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0				2	2	2
Cap, veh/h	0	1149	505	448	933	0				1338	12	596
Arrive On Green	0.00	0.32	0.32	0.13	0.50	0.00				0.39	0.39	0.39
Sat Flow, veh/h	0	3632	1554	3442	1863	0				3442	31	1533
Grp Volume(v), veh/h	0	1147	157	600	726	0				389	0	558
Grp Sat Flow(s),veh/h/ln	0	1770	1554	1721	1863	0				1721	0	1564
Q Serve(g_s), s	0.0	33.1	7.8	13.3	32.6	0.0				8.0	0.0	34.7
Cycle Q Clear(g_c), s	0.0	33.1	7.8	13.3	32.6	0.0				8.0	0.0	34.7
Prop In Lane	0.00		1.00	1.00		0.00				1.00		0.98
Lane Grp Cap(c), veh/h	0	1149	505	448	933	0				1338	0	608
V/C Ratio(X)	0.00	1.00	0.31	1.34	0.78	0.00				0.29	0.00	0.92
Avail Cap(c_a), veh/h	0	1149	505	448	933	0				1935	0	879
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	34.5	25.9	44.5	20.9	0.0				21.5	0.0	29.7
Incr Delay (d2), s/veh	0.0	26.1	0.1	167.6	3.9	0.0				0.0	0.0	8.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	20.2	3.3	16.7	17.7	0.0				3.8	0.0	16.4
LnGrp Delay(d),s/veh	0.0	60.6	26.1	212.1	24.7	0.0				21.6	0.0	38.5
LnGrp LOS		E	C	F	C					C		D
Approach Vol, veh/h		1304			1326						947	
Approach Delay, s/veh		56.4			109.5						31.5	
Approach LOS		E			F						C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	18.0	39.0		45.3		57.0		
Change Period (Y+Rc), s	* 4.7	5.8		5.5		5.8		
Max Green Setting (Gmax), s	* 13	33.2		57.5		51.2		
Max Q Clear Time (g_c+I1), s	15.3	35.1		36.7		34.6		
Green Ext Time (p_c), s	0.0	0.0		3.1		3.0		

Intersection Summary	
HCM 2010 Ctrl Delay	69.5
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
4: I-805 NB Ramps & Phyllis Place

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1030	430	0	0	720	440	540	10	520	0	0	0
Future Volume (veh/h)	1030	430	0	0	720	440	540	10	520	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		0.97			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1900	1863	1863			
Adj Flow Rate, veh/h	1084	453	0	0	758	216	568	11	284			
Adj No. of Lanes	2	1	0	0	2	0	0	1	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	957	1120	0	0	786	224	564	11	497			
Arrive On Green	0.28	0.60	0.00	0.00	0.29	0.29	0.32	0.32	0.32			
Sat Flow, veh/h	3442	1863	0	0	2799	771	1742	34	1534			
Grp Volume(v), veh/h	1084	453	0	0	496	478	579	0	284			
Grp Sat Flow(s),veh/h/ln	1721	1863	0	0	1770	1708	1776	0	1534			
Q Serve(g_s), s	40.3	18.6	0.0	0.0	40.0	40.0	46.9	0.0	22.3			
Cycle Q Clear(g_c), s	40.3	18.6	0.0	0.0	40.0	40.0	46.9	0.0	22.3			
Prop In Lane	1.00		0.00	0.00		0.45	0.98		1.00			
Lane Grp Cap(c), veh/h	957	1120	0	0	514	496	575	0	497			
V/C Ratio(X)	1.13	0.40	0.00	0.00	0.96	0.96	1.01	0.00	0.57			
Avail Cap(c_a), veh/h	957	1121	0	0	515	497	575	0	497			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	52.3	15.2	0.0	0.0	50.7	50.7	49.0	0.0	40.7			
Incr Delay (d2), s/veh	72.8	0.1	0.0	0.0	30.3	31.0	39.4	0.0	1.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	28.7	9.6	0.0	0.0	23.9	23.1	29.3	0.0	9.6			
LnGrp Delay(d),s/veh	125.1	15.3	0.0	0.0	81.0	81.7	88.4	0.0	41.7			
LnGrp LOS	F	B			F	F	F		D			
Approach Vol, veh/h		1537			974			863				
Approach Delay, s/veh		92.7			81.3			73.0				
Approach LOS		F			F			E				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		92.9			45.0	47.9		52.0
Change Period (Y+Rc), s		5.8			* 4.7	5.8		5.1
Max Green Setting (Gmax), s		87.2			* 40	42.2		46.9
Max Q Clear Time (g_c+I1), s		20.6			42.3	42.0		48.9
Green Ext Time (p_c), s		1.8			0.0	0.1		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	84.4
HCM 2010 LOS	F

Notes

HCM 2010 Signalized Intersection Summary
5: Mission Center Road & Civita Boulevard

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	180	280	350	120	10	80	160	370	130	60	430	75
Future Volume (veh/h)	180	280	350	120	10	80	160	370	130	60	430	75
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.99	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	189	295	368	126	11	84	168	389	137	63	453	79
Adj No. of Lanes	1	1	1	2	1	1	2	2	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	217	541	450	181	418	346	1038	1613	712	81	681	295
Arrive On Green	0.12	0.29	0.29	0.05	0.22	0.22	0.10	0.15	0.15	0.05	0.19	0.19
Sat Flow, veh/h	1774	1863	1551	3442	1863	1541	3442	3539	1562	1774	3539	1534
Grp Volume(v), veh/h	189	295	368	126	11	84	168	389	137	63	453	79
Grp Sat Flow(s),veh/h/ln	1774	1863	1551	1721	1863	1541	1721	1770	1562	1774	1770	1534
Q Serve(g_s), s	13.1	16.7	27.6	4.5	0.6	5.6	5.6	12.1	7.2	4.4	14.8	4.1
Cycle Q Clear(g_c), s	13.1	16.7	27.6	4.5	0.6	5.6	5.6	12.1	7.2	4.4	14.8	4.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	217	541	450	181	418	346	1038	1613	712	81	681	295
V/C Ratio(X)	0.87	0.55	0.82	0.70	0.03	0.24	0.16	0.24	0.19	0.78	0.66	0.27
Avail Cap(c_a), veh/h	406	702	584	319	449	371	1038	1613	712	193	926	401
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	0.97	1.00	1.00	1.00
Uniform Delay (d), s/veh	53.9	37.4	41.3	58.2	37.8	39.7	41.8	34.1	18.7	59.0	46.7	24.3
Incr Delay (d2), s/veh	4.2	2.5	11.4	4.8	0.1	0.9	0.0	0.3	0.6	5.9	5.1	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.7	9.0	13.3	2.3	0.3	2.5	2.7	6.0	4.1	2.3	7.7	2.4
LnGrp Delay(d),s/veh	58.1	39.9	52.7	63.0	37.9	40.7	41.9	34.4	19.3	65.0	51.8	26.5
LnGrp LOS	E	D	D	E	D	D	D	C	B	E	D	C
Approach Vol, veh/h		852			221			694			595	
Approach Delay, s/veh		49.5			53.3			33.2			49.8	
Approach LOS		D			D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.1	62.3	11.5	41.2	43.0	29.4	19.7	33.0
Change Period (Y+Rc), s	4.4	5.3	4.9	* 4.9	5.3	* 5.3	4.4	4.9
Max Green Setting (Gmax), s	13.6	33.7	11.6	* 47	14.6	* 33	28.6	30.1
Max Q Clear Time (g_c+I1), s	6.4	14.1	6.5	29.6	7.6	16.8	15.1	7.6
Green Ext Time (p_c), s	0.0	3.6	0.1	6.7	0.2	6.0	0.2	0.7

Intersection Summary	
HCM 2010 Ctrl Delay	45.1
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
6: Mission Center Road & Westside Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	120	110	410	110	30	30	340	510	150	40	750	110
Future Volume (veh/h)	120	110	410	110	30	30	340	510	150	40	750	110
Number	7	4	14	3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	1.00		0.99	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	126	116	221	116	32	21	358	537	105	42	789	74
Adj No. of Lanes	0	1	1	1	1	0	2	3	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	147	135	384	214	124	81	319	2320	713	54	1394	608
Arrive On Green	0.16	0.16	0.16	0.12	0.12	0.12	0.09	0.46	0.46	0.01	0.13	0.13
Sat Flow, veh/h	945	870	1522	1774	1028	674	3442	5085	1563	1774	3539	1543
Grp Volume(v), veh/h	242	0	221	116	0	53	358	537	105	42	789	74
Grp Sat Flow(s),veh/h/ln	1815	0	1522	1774	0	1702	1721	1695	1563	1774	1770	1543
Q Serve(g_s), s	16.2	0.0	16.0	7.7	0.0	3.5	11.6	8.0	4.9	3.0	26.2	5.3
Cycle Q Clear(g_c), s	16.2	0.0	16.0	7.7	0.0	3.5	11.6	8.0	4.9	3.0	26.2	5.3
Prop In Lane	0.52		1.00	1.00		0.40	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	282	0	384	214	0	205	319	2320	713	54	1394	608
V/C Ratio(X)	0.86	0.00	0.58	0.54	0.00	0.26	1.12	0.23	0.15	0.78	0.57	0.12
Avail Cap(c_a), veh/h	450	0	524	369	0	354	319	2320	713	102	1394	608
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.92	0.92	0.92	0.91	0.91	0.91
Uniform Delay (d), s/veh	51.4	0.0	41.3	51.7	0.0	49.9	56.7	20.7	19.8	61.5	44.4	35.3
Incr Delay (d2), s/veh	5.3	0.0	0.5	2.8	0.0	0.9	85.2	0.2	0.4	7.9	1.5	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.5	0.0	6.7	3.9	0.0	1.7	9.3	3.8	2.2	1.6	13.1	2.3
LnGrp Delay(d),s/veh	56.7	0.0	41.8	54.6	0.0	50.8	141.9	20.9	20.2	69.3	45.9	35.6
LnGrp LOS	E		D	D		D	F	C	C	E	D	D
Approach Vol, veh/h		463			169			1000			905	
Approach Delay, s/veh		49.6			53.4			64.1			46.1	
Approach LOS		D			D			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.0	59.7		24.3	8.2	67.5		24.9
Change Period (Y+Rc), s	4.4	10.5		4.9	4.4	10.5		9.9
Max Green Setting (Gmax), s	11.6	26.7		31.0	7.2	31.1		26.0
Max Q Clear Time (g_c+I1), s	13.6	28.2		18.2	5.0	10.0		9.7
Green Ext Time (p_c), s	0.0	0.0		1.2	0.0	6.0		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	54.3
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
7: Seaworld Drive & Friar Roads

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	510	180	1410	760	480	1390
Future Volume (veh/h)	510	180	1410	760	480	1390
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.98	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	531	188	1469	792	500	1448
Adj No. of Lanes	2	1	2	1	2	2
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	639	285	1643	1005	568	2404
Arrive On Green	0.18	0.18	0.46	0.46	0.17	0.68
Sat Flow, veh/h	3548	1583	3632	1549	3442	3632
Grp Volume(v), veh/h	531	188	1469	792	500	1448
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1549	1721	1770
Q Serve(g_s), s	12.7	9.7	33.5	32.8	12.5	19.6
Cycle Q Clear(g_c), s	12.7	9.7	33.5	32.8	12.5	19.6
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	639	285	1643	1005	568	2404
V/C Ratio(X)	0.83	0.66	0.89	0.79	0.88	0.60
Avail Cap(c_a), veh/h	1126	503	1661	1012	577	2464
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.9	33.6	21.6	11.4	36.0	7.7
Incr Delay (d2), s/veh	1.1	1.0	6.8	4.5	13.9	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	4.3	17.9	20.4	7.1	9.7
LnGrp Delay(d),s/veh	35.9	34.6	28.4	15.9	49.9	8.4
LnGrp LOS	D	C	C	B	D	A
Approach Vol, veh/h	719		2261			1948
Approach Delay, s/veh	35.6		24.0			19.0
Approach LOS	D		C			B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	19.0	47.1				66.1		22.1
Change Period (Y+Rc), s	4.4	6.2				* 6.2		6.2
Max Green Setting (Gmax), s	14.8	41.4				* 61		28.0
Max Q Clear Time (g_c+I1), s	14.5	35.5				21.6		14.7
Green Ext Time (p_c), s	0.0	5.4				26.3		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	23.7
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
8: Napa Street & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	160	1040	0	0	430	360	0	0	0	510	0	220
Future Volume (veh/h)	160	1040	0	0	430	360	0	0	0	510	0	220
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	168	1095	0	0	453	274	0	0	0	537	0	179
Adj No. of Lanes	1	2	0	0	2	1	0	1	0	2	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	0	2	2	2
Cap, veh/h	208	1594	0	0	965	845	0	3	0	901	0	414
Arrive On Green	0.12	0.45	0.00	0.00	0.27	0.27	0.00	0.00	0.00	0.27	0.00	0.27
Sat Flow, veh/h	1774	3632	0	0	3632	1548	0	-74510	0	3371	0	1548
Grp Volume(v), veh/h	168	1095	0	0	453	274	0	0	0	537	0	179
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1770	1548	0	1863	0	1685	0	1548
Q Serve(g_s), s	6.7	17.9	0.0	0.0	7.7	7.2	0.0	0.0	0.0	10.1	0.0	7.0
Cycle Q Clear(g_c), s	6.7	17.9	0.0	0.0	7.7	7.2	0.0	0.0	0.0	10.1	0.0	7.0
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	208	1594	0	0	965	845	0	3	0	901	0	414
V/C Ratio(X)	0.81	0.69	0.00	0.00	0.47	0.32	0.00	0.00	0.00	0.60	0.00	0.43
Avail Cap(c_a), veh/h	332	2194	0	0	1092	901	0	693	0	2001	0	919
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	31.3	15.9	0.0	0.0	22.0	9.3	0.0	0.0	0.0	23.2	0.0	22.0
Incr Delay (d2), s/veh	3.2	1.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	1.4	0.0	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.5	8.9	0.0	0.0	3.8	4.9	0.0	0.0	0.0	4.9	0.0	6.4
LnGrp Delay(d),s/veh	34.5	16.8	0.0	0.0	22.6	9.7	0.0	0.0	0.0	24.5	0.0	23.6
LnGrp LOS	C	B			C	A				C		C
Approach Vol, veh/h		1263			727			0			716	
Approach Delay, s/veh		19.2			17.7			0.0			24.3	
Approach LOS		B			B						C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		43.3		29.3	12.9	30.4		0.0
Change Period (Y+Rc), s		* 11		* 9.9	4.4	* 11		4.0
Max Green Setting (Gmax), s		* 45		* 43	13.6	* 22		27.0
Max Q Clear Time (g_c+I1), s		19.9		12.1	8.7	9.7		0.0
Green Ext Time (p_c), s		12.8		6.7	0.1	4.4		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	20.1
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
9: Colusa Street & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	1495	50	50	880	75	20	20	30	180	20	75
Future Volume (veh/h)	20	1495	50	50	880	75	20	20	30	180	20	75
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	0.98		1.00	0.98		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	21	1557	47	52	917	73	21	21	-4	188	21	47
Adj No. of Lanes	1	2	0	1	2	0	0	1	1	1	1	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	34	1828	55	65	1789	142	229	206	377	432	120	268
Arrive On Green	0.02	0.52	0.52	0.04	0.54	0.54	0.24	0.24	0.00	0.24	0.24	0.24
Sat Flow, veh/h	1774	3506	106	1774	3316	264	659	867	1583	1358	503	1126
Grp Volume(v), veh/h	21	784	820	52	489	501	42	0	-4	188	0	68
Grp Sat Flow(s),veh/h/ln	1774	1770	1842	1774	1770	1810	1525	0	1583	1358	0	1630
Q Serve(g_s), s	0.9	28.6	28.8	2.2	13.2	13.2	0.0	0.0	0.0	5.9	0.0	2.5
Cycle Q Clear(g_c), s	0.9	28.6	28.8	2.2	13.2	13.2	2.5	0.0	0.0	8.4	0.0	2.5
Prop In Lane	1.00		0.06	1.00		0.15	0.50		1.00	1.00		0.69
Lane Grp Cap(c), veh/h	34	923	960	65	955	976	435	0	377	432	0	388
V/C Ratio(X)	0.63	0.85	0.85	0.79	0.51	0.51	0.10	0.00	-0.01	0.44	0.00	0.18
Avail Cap(c_a), veh/h	128	936	974	99	955	976	705	0	656	671	0	675
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	36.6	15.4	15.5	35.9	11.0	11.0	22.3	0.0	0.0	24.8	0.0	22.7
Incr Delay (d2), s/veh	6.9	9.2	9.1	11.7	1.9	1.9	0.0	0.0	0.0	0.3	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	16.1	17.0	1.3	6.9	7.1	0.7	0.0	0.0	3.4	0.0	1.1
LnGrp Delay(d),s/veh	43.5	24.6	24.6	47.6	12.9	12.9	22.3	0.0	0.0	25.1	0.0	22.8
LnGrp LOS	D	C	C	D	B	B	C			C		C
Approach Vol, veh/h		1625			1042			38			256	
Approach Delay, s/veh		24.9			14.7			24.7			24.5	
Approach LOS		C			B			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	7.2	45.1		22.8	5.8	46.5		22.8
Change Period (Y+Rc), s	4.4	* 6		4.9	4.4	6.0		4.9
Max Green Setting (Gmax), s	4.2	* 40		31.1	5.4	38.2		31.1
Max Q Clear Time (g_c+I1), s	4.2	30.8		10.4	2.9	15.2		4.5
Green Ext Time (p_c), s	0.0	8.3		0.5	0.0	14.6		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	21.2
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
10: Via Las Cumbres & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	180	1090	90	90	610	260	110	420	170	105	360	120
Future Volume (veh/h)	180	1090	90	90	610	260	110	420	170	105	360	120
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	188	1135	52	94	635	209	115	438	115	109	375	73
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	218	1225	56	118	1060	458	141	500	415	134	400	78
Arrive On Green	0.12	0.36	0.36	0.07	0.30	0.30	0.08	0.27	0.27	0.08	0.26	0.26
Sat Flow, veh/h	1774	3444	158	1774	3539	1530	1774	1863	1548	1774	1509	294
Grp Volume(v), veh/h	188	583	604	94	635	209	115	438	115	109	0	448
Grp Sat Flow(s),veh/h/ln	1774	1770	1832	1774	1770	1530	1774	1863	1548	1774	0	1803
Q Serve(g_s), s	12.5	38.0	38.0	6.3	18.4	13.3	7.7	27.0	7.0	7.3	0.0	29.1
Cycle Q Clear(g_c), s	12.5	38.0	38.0	6.3	18.4	13.3	7.7	27.0	7.0	7.3	0.0	29.1
Prop In Lane	1.00		0.09	1.00		1.00	1.00		1.00	1.00		0.16
Lane Grp Cap(c), veh/h	218	629	652	118	1060	458	141	500	415	134	0	477
V/C Ratio(X)	0.86	0.93	0.93	0.79	0.60	0.46	0.82	0.88	0.28	0.81	0.00	0.94
Avail Cap(c_a), veh/h	352	669	692	241	1110	480	182	579	482	197	0	585
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	51.6	37.1	37.1	55.1	35.9	34.1	54.4	42.0	34.7	54.6	0.0	43.1
Incr Delay (d2), s/veh	11.6	18.2	17.8	11.3	0.7	0.5	19.6	12.8	0.4	14.7	0.0	19.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	21.6	22.4	3.5	9.1	5.7	4.5	15.6	3.0	4.1	0.0	17.1
LnGrp Delay(d),s/veh	63.2	55.3	55.0	66.4	36.5	34.6	74.0	54.8	35.0	69.2	0.0	62.4
LnGrp LOS	E	E	D	E	D	C	E	D	D	E		E
Approach Vol, veh/h		1375			938			668			557	
Approach Delay, s/veh		56.2			39.1			54.7			63.7	
Approach LOS		E			D			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.7	53.5	15.2	37.5	20.5	46.8	14.8	37.9
Change Period (Y+Rc), s	5.7	* 11	5.7	* 5.7	5.7	* 11	5.7	5.7
Max Green Setting (Gmax), s	16.3	* 45	12.3	* 39	23.8	* 38	13.3	37.3
Max Q Clear Time (g_c+I1), s	8.3	40.0	9.7	31.1	14.5	20.4	9.3	29.0
Green Ext Time (p_c), s	0.1	2.6	0.1	0.5	0.3	3.3	0.1	1.2

Intersection Summary	
HCM 2010 Ctrl Delay	52.6
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
11: Fashion Valley Road & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	1560	270	220	880	30	180	20	190	10	10	10
Future Volume (veh/h)	20	1560	270	220	880	30	180	20	190	10	10	10
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	21	1642	231	232	926	32	189	21	126	11	11	6
Adj No. of Lanes	1	3	0	1	2	0	0	1	1	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	28	1649	231	254	1877	65	252	23	437	44	40	14
Arrive On Green	0.02	0.37	0.37	0.29	1.00	1.00	0.28	0.28	0.28	0.28	0.28	0.28
Sat Flow, veh/h	1774	4490	629	1774	3485	120	732	81	1550	38	141	49
Grp Volume(v), veh/h	21	1238	635	232	470	488	210	0	126	28	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1729	1774	1770	1836	813	0	1550	228	0	0
Q Serve(g_s), s	1.8	54.6	55.1	18.9	0.0	0.0	0.0	0.0	9.5	0.7	0.0	0.0
Cycle Q Clear(g_c), s	1.8	54.6	55.1	18.9	0.0	0.0	39.5	0.0	9.5	40.2	0.0	0.0
Prop In Lane	1.00		0.36	1.00		0.07	0.90		1.00	0.39		0.21
Lane Grp Cap(c), veh/h	28	1245	635	254	953	988	275	0	437	98	0	0
V/C Ratio(X)	0.76	0.99	1.00	0.91	0.49	0.49	0.76	0.00	0.29	0.29	0.00	0.00
Avail Cap(c_a), veh/h	71	1245	635	254	953	988	355	0	524	182	0	0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.93	0.93	0.93	0.59	0.00	0.59	1.00	0.00	0.00
Uniform Delay (d), s/veh	73.6	47.3	47.4	52.6	0.0	0.0	52.9	0.0	42.1	43.8	0.0	0.0
Incr Delay (d2), s/veh	14.7	24.1	35.7	31.8	1.7	1.6	3.4	0.0	0.1	0.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	29.6	32.6	11.5	0.5	0.5	8.8	0.0	4.1	0.9	0.0	0.0
LnGrp Delay(d),s/veh	88.2	71.4	83.1	84.3	1.7	1.6	56.3	0.0	42.2	44.7	0.0	0.0
LnGrp LOS	F	E	F	F	A	A	E		D	D		
Approach Vol, veh/h		1894			1190			336			28	
Approach Delay, s/veh		75.5			17.8			51.0			44.7	
Approach LOS		E			B			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	31.8	66.0		52.2	6.7	91.1		52.2
Change Period (Y+Rc), s	* 10	* 11		* 9.9	4.4	10.3		* 9.9
Max Green Setting (Gmax), s	* 19	* 55		* 51	6.0	68.7		* 51
Max Q Clear Time (g_c+I1), s	20.9	57.1		42.2	3.8	2.0		41.5
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	9.4		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	50.6
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
12: Via De La Moda & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1820	140	340	1020	0	110	0	220	0	0	0
Future Volume (veh/h)	0	1820	140	340	1020	0	110	0	220	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	0	1863	0	1863			
Adj Flow Rate, veh/h	0	1857	123	347	1041	0	112	0	163			
Adj No. of Lanes	1	3	0	2	2	0	1	0	1			
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.95	0.98	0.95	0.98			
Percent Heavy Veh, %	2	2	2	2	2	0	2	0	2			
Cap, veh/h	1	2060	136	1232	2895	0	208	0	186			
Arrive On Green	0.00	0.85	0.85	0.72	1.00	0.00	0.12	0.00	0.12			
Sat Flow, veh/h	1774	4857	321	3442	3632	0	1774	0	1583			
Grp Volume(v), veh/h	0	1294	686	347	1041	0	112	0	163			
Grp Sat Flow(s),veh/h/ln	1774	1695	1788	1721	1770	0	1774	0	1583			
Q Serve(g_s), s	0.0	36.7	37.6	5.4	0.0	0.0	8.9	0.0	15.2			
Cycle Q Clear(g_c), s	0.0	36.7	37.6	5.4	0.0	0.0	8.9	0.0	15.2			
Prop In Lane	1.00		0.18	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	1	1438	758	1232	2895	0	208	0	186			
V/C Ratio(X)	0.00	0.90	0.90	0.28	0.36	0.00	0.54	0.00	0.88			
Avail Cap(c_a), veh/h	47	1776	937	1232	2895	0	386	0	344			
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.56	0.56	0.96	0.96	0.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	9.3	9.4	14.4	0.0	0.0	62.4	0.0	65.1			
Incr Delay (d2), s/veh	0.0	5.6	10.2	0.0	0.3	0.0	0.8	0.0	5.1			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	16.9	19.3	2.5	0.1	0.0	4.4	0.0	6.9			
LnGrp Delay(d),s/veh	0.0	15.0	19.6	14.5	0.3	0.0	63.2	0.0	70.3			
LnGrp LOS		B	B	B	A		E		E			
Approach Vol, veh/h		1980			1388			275				
Approach Delay, s/veh		16.6			3.9			67.4				
Approach LOS		B			A			E				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2			5	6		8
Phs Duration (G+Y+Rc), s	59.0	69.0			0.0	128.0		22.0
Change Period (Y+Rc), s	5.3	* 5.4			4.4	5.3		4.4
Max Green Setting (Gmax), s	24.6	* 79			4.0	99.3		32.6
Max Q Clear Time (g_c+I1), s	7.4	39.6			0.0	2.0		17.2
Green Ext Time (p_c), s	0.6	24.1			0.0	12.2		0.4

Intersection Summary	
HCM 2010 Ctrl Delay	15.9
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
13: Avenida De Las Tiendas & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	1900	110	680	1080	20	70	5	230	30	10	10
Future Volume (veh/h)	30	1900	110	680	1080	20	70	5	230	30	10	10
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.96	0.94		0.94	0.95		0.94
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	32	2000	111	716	1137	21	74	0	230	32	11	8
Adj No. of Lanes	1	3	0	2	3	0	1	0	2	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	41	2885	159	765	4034	74	157	0	278	150	91	66
Arrive On Green	0.05	1.00	1.00	0.22	0.79	0.79	0.09	0.00	0.09	0.09	0.09	0.09
Sat Flow, veh/h	1774	4925	272	3442	5137	95	1306	0	2964	1093	973	708
Grp Volume(v), veh/h	32	1374	737	716	750	408	74	0	230	32	0	19
Grp Sat Flow(s),veh/h/ln	1774	1695	1807	1721	1695	1842	1306	0	1482	1093	0	1681
Q Serve(g_s), s	2.7	0.0	0.0	30.6	9.2	9.2	8.3	0.0	11.4	4.1	0.0	1.6
Cycle Q Clear(g_c), s	2.7	0.0	0.0	30.6	9.2	9.2	9.8	0.0	11.4	4.1	0.0	1.6
Prop In Lane	1.00		0.15	1.00		0.05	1.00		1.00	1.00		0.42
Lane Grp Cap(c), veh/h	41	1986	1059	765	2662	1446	157	0	278	150	0	158
V/C Ratio(X)	0.78	0.69	0.70	0.94	0.28	0.28	0.47	0.00	0.83	0.21	0.00	0.12
Avail Cap(c_a), veh/h	83	1986	1059	844	2662	1446	297	0	595	267	0	337
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.74	0.74	0.74	0.73	0.73	0.73	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	71.2	0.0	0.0	57.3	4.4	4.4	66.8	0.0	66.8	63.5	0.0	62.3
Incr Delay (d2), s/veh	8.8	1.5	2.8	12.5	0.2	0.4	0.8	0.0	2.4	0.3	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	0.4	0.8	15.9	4.3	4.8	3.0	0.0	4.8	1.3	0.0	0.7
LnGrp Delay(d),s/veh	79.9	1.5	2.8	69.8	4.6	4.8	67.6	0.0	69.2	63.7	0.0	62.4
LnGrp LOS	E	A	A	E	A	A	E		E	E		E
Approach Vol, veh/h		2143			1874			304			51	
Approach Delay, s/veh		3.1			29.5			68.8			63.2	
Approach LOS		A			C			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	37.8	93.3		19.0	7.8	123.2		19.0
Change Period (Y+Rc), s	4.4	5.4		4.9	4.4	* 5.4		4.9
Max Green Setting (Gmax), s	36.8	68.4		30.1	7.0	* 98		30.1
Max Q Clear Time (g_c+I1), s	32.6	2.0		6.1	4.7	11.2		13.4
Green Ext Time (p_c), s	0.7	35.5		0.1	0.0	12.8		0.6

Intersection Summary	
HCM 2010 Ctrl Delay	19.7
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
14: SR-163 SB Ramps/Ulric Street & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	1190	750	480	1180	280	410	60	950	480	30	190
Future Volume (veh/h)	220	1190	750	480	1180	280	410	60	950	480	30	190
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	224	1214	561	490	1204	194	418	61	637	490	31	117
Adj No. of Lanes	2	3	1	2	3	2	2	1	2	2	1	0
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	265	1699	886	384	1894	1536	796	431	938	636	62	232
Arrive On Green	0.08	0.33	0.33	0.11	0.37	0.37	0.23	0.23	0.23	0.18	0.18	0.18
Sat Flow, veh/h	3442	5085	1555	3442	5085	2742	3442	1863	2714	3442	333	1258
Grp Volume(v), veh/h	224	1214	561	490	1204	194	418	61	637	490	0	148
Grp Sat Flow(s),veh/h/ln	1721	1695	1555	1721	1695	1371	1721	1863	1357	1721	0	1591
Q Serve(g_s), s	8.4	27.1	31.9	14.5	25.3	4.4	13.8	3.4	26.2	17.6	0.0	10.9
Cycle Q Clear(g_c), s	8.4	27.1	31.9	14.5	25.3	4.4	13.8	3.4	26.2	17.6	0.0	10.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.79
Lane Grp Cap(c), veh/h	265	1699	886	384	1894	1536	796	431	938	636	0	294
V/C Ratio(X)	0.85	0.71	0.63	1.28	0.64	0.13	0.53	0.14	0.68	0.77	0.00	0.50
Avail Cap(c_a), veh/h	265	1699	886	384	1894	1536	874	473	1000	874	0	404
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.56	0.56	0.56	0.72	0.72	0.72	1.00	1.00	1.00	0.74	0.00	0.74
Uniform Delay (d), s/veh	59.2	37.9	19.2	57.8	33.5	13.7	43.7	39.7	36.7	50.4	0.0	47.6
Incr Delay (d2), s/veh	13.3	1.5	1.9	138.5	0.5	0.0	0.2	0.1	1.3	1.3	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.5	12.9	20.6	14.3	11.9	2.4	6.6	1.8	9.9	8.5	0.0	4.8
LnGrp Delay(d),s/veh	72.6	39.3	21.2	196.2	34.1	13.7	43.9	39.8	38.0	51.7	0.0	48.0
LnGrp LOS	E	D	C	F	C	B	D	D	D	D		D
Approach Vol, veh/h		1999			1888			1116			638	
Approach Delay, s/veh		38.0			74.1			40.3			50.9	
Approach LOS		D			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	19.0	47.9		28.5	14.0	52.9		34.6
Change Period (Y+Rc), s	4.5	4.5		4.5	4.0	4.5		4.5
Max Green Setting (Gmax), s	14.5	31.5		33.0	10.0	36.5		33.0
Max Q Clear Time (g_c+I1), s	16.5	33.9		19.6	10.4	27.3		28.2
Green Ext Time (p_c), s	0.0	0.0		1.3	0.0	5.7		1.4

Intersection Summary	
HCM 2010 Ctrl Delay	52.0
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
15: Friar Roads & SR-163 NB Ramps

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	660	1960	1150	990	720	790
Future Volume (veh/h)	660	1960	1150	990	720	790
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	673	2000	1173	653	735	500
Adj No. of Lanes	2	4	4	2	3	2
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	931	4250	2003	843	1018	567
Arrive On Green	0.27	0.66	0.63	0.63	0.20	0.20
Sat Flow, veh/h	3442	6669	6669	2698	5003	2787
Grp Volume(v), veh/h	673	2000	1173	653	735	500
Grp Sat Flow(s),veh/h/ln	1721	1602	1602	1349	1668	1393
Q Serve(g_s), s	13.3	11.5	8.1	13.2	10.3	13.1
Cycle Q Clear(g_c), s	13.3	11.5	8.1	13.2	10.3	13.1
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	931	4250	2003	843	1018	567
V/C Ratio(X)	0.72	0.47	0.59	0.77	0.72	0.88
Avail Cap(c_a), veh/h	931	4250	2649	1115	1067	594
HCM Platoon Ratio	1.00	1.00	2.00	2.00	1.00	1.00
Upstream Filter(I)	0.40	0.40	0.63	0.63	1.00	1.00
Uniform Delay (d), s/veh	24.8	6.2	11.2	12.1	27.9	29.0
Incr Delay (d2), s/veh	1.0	0.1	0.8	4.4	2.3	14.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.4	5.0	3.6	5.1	4.9	10.4
LnGrp Delay(d),s/veh	25.8	6.3	12.0	16.6	30.2	43.1
LnGrp LOS	C	A	B	B	C	D
Approach Vol, veh/h		2673	1826		1235	
Approach Delay, s/veh		11.2	13.6		35.4	
Approach LOS		B	B		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		55.7		19.3	26.3	29.4		
Change Period (Y+Rc), s		6.0		4.0	6.0	* 6		
Max Green Setting (Gmax), s		49.0		16.0	13.0	* 31		
Max Q Clear Time (g_c+I1), s		13.5		15.1	15.3	15.2		
Green Ext Time (p_c), s		12.9		0.2	0.0	6.5		

Intersection Summary	
HCM 2010 Ctrl Delay	17.2
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
16: Frazee Road & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	370	1760	550	320	1250	350	380	130	270	190	230	510
Future Volume (veh/h)	370	1760	550	320	1250	350	380	130	270	190	230	510
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	378	1796	337	327	1276	296	388	133	256	194	235	296
Adj No. of Lanes	2	4	2	2	3	1	2	2	0	2	1	2
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	631	2621	1112	371	1454	443	439	388	338	238	300	432
Arrive On Green	0.37	0.82	0.82	0.11	0.29	0.29	0.13	0.22	0.22	0.07	0.16	0.16
Sat Flow, veh/h	3442	6408	2719	3442	5085	1550	3442	1770	1540	3442	1863	2683
Grp Volume(v), veh/h	378	1796	337	327	1276	296	388	133	256	194	235	296
Grp Sat Flow(s),veh/h/ln	1721	1602	1359	1721	1695	1550	1721	1770	1540	1721	1863	1341
Q Serve(g_s), s	13.4	17.4	4.5	14.1	35.9	19.1	16.6	9.5	23.3	8.3	18.2	9.7
Cycle Q Clear(g_c), s	13.4	17.4	4.5	14.1	35.9	19.1	16.6	9.5	23.3	8.3	18.2	9.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	631	2621	1112	371	1454	443	439	388	338	238	300	432
V/C Ratio(X)	0.60	0.69	0.30	0.88	0.88	0.67	0.88	0.34	0.76	0.81	0.78	0.69
Avail Cap(c_a), veh/h	631	2621	1112	404	1492	455	567	519	452	266	446	642
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.83	0.83	0.83	1.00	1.00	1.00	0.70	0.70	0.70	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.0	9.7	8.5	66.0	51.0	26.9	64.3	49.4	54.8	68.9	60.4	22.8
Incr Delay (d2), s/veh	0.9	1.2	0.6	17.7	7.8	7.8	8.3	0.1	2.3	14.6	3.8	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.4	7.4	1.7	7.6	17.8	9.7	8.4	4.7	10.2	4.4	9.6	5.2
LnGrp Delay(d),s/veh	43.9	10.9	9.1	83.6	58.8	34.7	72.6	49.6	57.2	83.5	64.2	24.0
LnGrp LOS	D	B	A	F	E	C	E	D	E	F	E	C
Approach Vol, veh/h		2511			1899			777			725	
Approach Delay, s/veh		15.6			59.3			63.6			52.9	
Approach LOS		B			E			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	20.6	71.9	23.5	34.0	38.0	54.4	14.8	42.8
Change Period (Y+Rc), s	4.4	10.5	4.4	* 9.9	10.5	* 12	4.4	* 9.9
Max Green Setting (Gmax), s	17.6	47.6	24.7	* 36	20.2	* 44	11.6	* 44
Max Q Clear Time (g_c+I1), s	16.1	19.4	18.6	20.2	15.4	37.9	10.3	25.3
Green Ext Time (p_c), s	0.1	21.3	0.5	1.8	0.3	5.0	0.1	1.7

Intersection Summary	
HCM 2010 Ctrl Delay	40.5
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
17: Mission Center Road & Friar WB

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	370	10	240	270	760	0	0	940	330
Future Volume (veh/h)	0	0	0	370	10	240	270	760	0	0	940	330
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.96	1.00		1.00	1.00		0.97
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				397	0	21	284	800	0	0	989	147
Adj No. of Lanes				2	0	1	2	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				534	0	229	899	2489	0	0	1278	556
Arrive On Green				0.15	0.00	0.15	0.26	0.70	0.00	0.00	0.36	0.36
Sat Flow, veh/h				3548	0	1520	3442	3632	0	0	3632	1540
Grp Volume(v), veh/h				397	0	21	284	800	0	0	989	147
Grp Sat Flow(s),veh/h/ln				1774	0	1520	1721	1770	0	0	1770	1540
Q Serve(g_s), s				14.6	0.0	1.6	9.0	11.8	0.0	0.0	33.7	9.2
Cycle Q Clear(g_c), s				14.6	0.0	1.6	9.0	11.8	0.0	0.0	33.7	9.2
Prop In Lane				1.00		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				534	0	229	899	2489	0	0	1278	556
V/C Ratio(X)				0.74	0.00	0.09	0.32	0.32	0.00	0.00	0.77	0.26
Avail Cap(c_a), veh/h				809	0	347	899	2489	0	0	1587	691
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	0.76	0.76	0.00	0.00	0.62	0.62
Uniform Delay (d), s/veh				55.3	0.0	49.8	40.5	7.7	0.0	0.0	38.5	30.7
Incr Delay (d2), s/veh				2.1	0.0	0.2	0.2	0.3	0.0	0.0	2.9	0.7
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				7.3	0.0	0.7	4.3	5.8	0.0	0.0	17.0	4.0
LnGrp Delay(d),s/veh				57.3	0.0	49.9	40.6	8.0	0.0	0.0	41.4	31.4
LnGrp LOS				E		D	D	A			D	C
Approach Vol, veh/h					418			1084			1136	
Approach Delay, s/veh					57.0			16.5			40.1	
Approach LOS					E			B			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		105.6			45.5	60.1		30.4
Change Period (Y+Rc), s		10.0			10.0	* 11		9.9
Max Green Setting (Gmax), s		85.0			18.6	* 61		31.0
Max Q Clear Time (g_c+I1), s		13.8			11.0	35.7		16.6
Green Ext Time (p_c), s		12.8			0.6	13.4		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	33.1
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
18: Mission Center Road & Friar EB

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	290	10	440	0	0	0	0	740	480	590	720	0
Future Volume (veh/h)	290	10	440	0	0	0	0	740	480	590	720	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98				1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	313	0	463				0	779	505	621	758	0
Adj No. of Lanes	2	0	1				0	2	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	1025	0	448				0	1104	478	683	1931	0
Arrive On Green	0.29	0.00	0.29				0.00	0.31	0.31	0.20	0.55	0.00
Sat Flow, veh/h	3548	0	1550				0	3632	1533	3442	3632	0
Grp Volume(v), veh/h	313	0	463				0	779	505	621	758	0
Grp Sat Flow(s),veh/h/ln	1774	0	1550				0	1770	1533	1721	1770	0
Q Serve(g_s), s	8.6	0.0	36.1				0.0	24.3	39.0	22.1	15.5	0.0
Cycle Q Clear(g_c), s	8.6	0.0	36.1				0.0	24.3	39.0	22.1	15.5	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1025	0	448				0	1104	478	683	1931	0
V/C Ratio(X)	0.31	0.00	1.03				0.00	0.71	1.06	0.91	0.39	0.00
Avail Cap(c_a), veh/h	1025	0	448				0	1104	478	815	1931	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.82	0.82	0.80	0.80	0.00
Uniform Delay (d), s/veh	34.7	0.0	44.5				0.0	37.9	43.0	49.0	16.4	0.0
Incr Delay (d2), s/veh	0.2	0.0	51.6				0.0	3.1	53.0	9.7	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.2	0.0	21.8				0.0	12.3	23.5	11.4	7.7	0.0
LnGrp Delay(d),s/veh	34.8	0.0	96.0				0.0	41.1	96.0	58.7	16.9	0.0
LnGrp LOS	C		F					D	F	E	B	
Approach Vol, veh/h		776						1284			1379	
Approach Delay, s/veh		71.3						62.7			35.7	
Approach LOS		E						E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	29.2	49.8		46.0		79.0		
Change Period (Y+Rc), s	4.4	* 11		* 9.9		10.8		
Max Green Setting (Gmax), s	29.6	* 35		* 36		68.2		
Max Q Clear Time (g_c+I1), s	24.1	41.0		38.1		17.5		
Green Ext Time (p_c), s	0.7	0.0		0.0		7.1		

Intersection Summary	
HCM 2010 Ctrl Delay	53.8
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
19: Qualcomm Way & WB Friar

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	430	10	450	640	1150	0	0	890	290
Future Volume (veh/h)	0	0	0	430	10	450	640	1150	0	0	890	290
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.98	1.00		1.00	1.00		0.96
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1900	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				439	10	173	653	1173	0	0	908	112
Adj No. of Lanes				1	1	0	2	2	0	0	3	1
Peak Hour Factor				0.98	0.98	0.98	0.98	0.98	0.95	0.95	0.98	0.98
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				469	23	390	846	2115	0	0	1441	433
Arrive On Green				0.26	0.26	0.26	0.49	1.00	0.00	0.00	0.28	0.28
Sat Flow, veh/h				1774	85	1477	3442	3632	0	0	5253	1527
Grp Volume(v), veh/h				439	0	183	653	1173	0	0	908	112
Grp Sat Flow(s),veh/h/ln				1774	0	1562	1721	1770	0	0	1695	1527
Q Serve(g_s), s				35.1	0.0	14.2	22.5	0.0	0.0	0.0	22.6	8.2
Cycle Q Clear(g_c), s				35.1	0.0	14.2	22.5	0.0	0.0	0.0	22.6	8.2
Prop In Lane				1.00		0.95	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				469	0	413	846	2115	0	0	1441	433
V/C Ratio(X)				0.94	0.00	0.44	0.77	0.55	0.00	0.00	0.63	0.26
Avail Cap(c_a), veh/h				613	0	540	846	2115	0	0	1441	433
HCM Platoon Ratio				1.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	0.40	0.40	0.00	0.00	0.70	0.70
Uniform Delay (d), s/veh				52.1	0.0	44.4	33.5	0.0	0.0	0.0	45.3	40.2
Incr Delay (d2), s/veh				16.9	0.0	0.3	1.9	0.4	0.0	0.0	1.5	1.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				19.4	0.0	6.1	10.8	0.1	0.0	0.0	10.8	3.6
LnGrp Delay(d),s/veh				69.0	0.0	44.7	35.4	0.4	0.0	0.0	46.8	41.2
LnGrp LOS				E		D	D	A			D	D
Approach Vol, veh/h					622			1826			1020	
Approach Delay, s/veh					61.9			12.9			46.2	
Approach LOS					E			B			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		96.8			45.8	51.0		48.2
Change Period (Y+Rc), s		* 10			* 10	* 9.9		9.9
Max Green Setting (Gmax), s		* 75			* 29	* 41		50.1
Max Q Clear Time (g_c+I1), s		2.0			24.5	24.6		37.1
Green Ext Time (p_c), s		12.8			1.3	4.8		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	31.5
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
20: Qualcomm Way & EB Friar

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	585	10	320	0	0	0	0	1205	930	270	1050	0
Future Volume (veh/h)	585	10	320	0	0	0	0	1205	930	270	1050	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	624	0	253				0	1268	821	284	1105	0
Adj No. of Lanes	2	0	1				0	2	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	702	0	304				0	1940	852	294	2351	0
Arrive On Green	0.20	0.00	0.20				0.00	0.55	0.55	0.17	1.00	0.00
Sat Flow, veh/h	3548	0	1535				0	3632	1554	3442	3632	0
Grp Volume(v), veh/h	624	0	253				0	1268	821	284	1105	0
Grp Sat Flow(s),veh/h/ln	1774	0	1535				0	1770	1554	1721	1770	0
Q Serve(g_s), s	24.8	0.0	22.9				0.0	36.6	73.3	11.9	0.0	0.0
Cycle Q Clear(g_c), s	24.8	0.0	22.9				0.0	36.6	73.3	11.9	0.0	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	702	0	304				0	1940	852	294	2351	0
V/C Ratio(X)	0.89	0.00	0.83				0.00	0.65	0.96	0.96	0.47	0.00
Avail Cap(c_a), veh/h	1162	0	503				0	1940	852	294	2351	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	2.00	2.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	0.59	0.59	0.73	0.73	0.00
Uniform Delay (d), s/veh	56.6	0.0	55.8				0.0	23.1	31.4	59.9	0.0	0.0
Incr Delay (d2), s/veh	2.9	0.0	2.4				0.0	1.0	16.4	35.3	0.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.5	0.0	10.0				0.0	18.1	35.1	7.1	0.2	0.0
LnGrp Delay(d),s/veh	59.5	0.0	58.3				0.0	24.1	47.7	95.2	0.5	0.0
LnGrp LOS	E		E					C	D	F	A	
Approach Vol, veh/h		877						2089			1389	
Approach Delay, s/veh		59.1						33.4			19.9	
Approach LOS		E						C			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	16.8	89.6		38.6		106.4		
Change Period (Y+Rc), s	4.4	* 10		* 9.9		* 10		
Max Green Setting (Gmax), s	12.4	* 61		* 48		* 78		
Max Q Clear Time (g_c+I1), s	13.9	75.3		26.8		2.0		
Green Ext Time (p_c), s	0.0	0.0		1.7		5.5		

Intersection Summary	
HCM 2010 Ctrl Delay	34.2
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
21: River Run Drive & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	40	2515	160	180	1800	60	150	10	180	190	20	80
Future Volume (veh/h)	40	2515	160	180	1800	60	150	10	180	190	20	80
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.98	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	42	2647	126	189	1895	42	158	11	126	200	21	63
Adj No. of Lanes	1	3	1	1	3	0	0	1	1	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	54	2577	786	186	2975	66	382	23	401	193	15	45
Arrive On Green	0.03	0.51	0.51	0.11	0.58	0.58	0.26	0.26	0.26	0.26	0.26	0.26
Sat Flow, veh/h	1774	5085	1552	1774	5117	113	1251	87	1547	546	57	172
Grp Volume(v), veh/h	42	2647	126	189	1255	682	169	0	126	284	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1552	1774	1695	1840	1338	0	1547	776	0	0
Q Serve(g_s), s	2.8	60.8	5.2	12.6	29.5	29.6	0.0	0.0	7.9	18.2	0.0	0.0
Cycle Q Clear(g_c), s	2.8	60.8	5.2	12.6	29.5	29.6	12.9	0.0	7.9	31.1	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.06	0.93		1.00	0.70		0.22
Lane Grp Cap(c), veh/h	54	2577	786	186	1971	1070	405	0	401	252	0	0
V/C Ratio(X)	0.78	1.03	0.16	1.01	0.64	0.64	0.42	0.00	0.31	1.13	0.00	0.00
Avail Cap(c_a), veh/h	105	2577	786	186	1971	1070	405	0	401	252	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	57.8	29.6	15.9	53.7	16.7	16.7	37.7	0.0	35.9	52.7	0.0	0.0
Incr Delay (d2), s/veh	8.8	25.1	0.4	69.8	1.6	2.9	0.5	0.0	0.3	94.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	34.2	2.3	9.8	14.2	15.8	4.8	0.0	3.4	15.0	0.0	0.0
LnGrp Delay(d),s/veh	66.6	54.7	16.3	123.6	18.3	19.6	38.2	0.0	36.2	147.7	0.0	0.0
LnGrp LOS	E	F	B	F	B	B	D		D	F		
Approach Vol, veh/h		2815			2126			295			284	
Approach Delay, s/veh		53.2			28.1			37.3			147.7	
Approach LOS		D			C			D			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	17.0	67.0		36.0	8.0	76.0		36.0
Change Period (Y+Rc), s	4.4	6.2		4.9	4.4	6.2		4.9
Max Green Setting (Gmax), s	12.6	60.8		31.1	7.1	66.3		31.1
Max Q Clear Time (g_c+I1), s	14.6	62.8		33.1	4.8	31.6		14.9
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	32.5		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	47.5
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
22: Fenton Parkway & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	2335	410	320	1650	80	320	70	435	50	20	70
Future Volume (veh/h)	140	2335	410	320	1650	80	320	70	435	50	20	70
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	143	2383	296	327	1684	51	327	71	322	51	43	35
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	177	2327	862	976	3680	1172	320	420	348	81	341	362
Arrive On Green	0.05	0.46	0.46	0.28	0.72	0.72	0.09	0.23	0.23	0.02	0.18	0.18
Sat Flow, veh/h	3442	5085	1563	3442	5085	1570	3442	1863	1541	3548	1863	1531
Grp Volume(v), veh/h	143	2383	296	327	1684	51	327	71	322	51	43	35
Grp Sat Flow(s),veh/h/ln	1721	1695	1563	1721	1695	1570	1721	1863	1541	1774	1863	1531
Q Serve(g_s), s	8.2	91.5	10.9	15.0	27.4	0.5	18.6	6.1	40.9	2.8	3.9	3.6
Cycle Q Clear(g_c), s	8.2	91.5	10.9	15.0	27.4	0.5	18.6	6.1	40.9	2.8	3.9	3.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	177	2327	862	976	3680	1172	320	420	348	81	341	362
V/C Ratio(X)	0.81	1.02	0.34	0.34	0.46	0.04	1.02	0.17	0.93	0.63	0.13	0.10
Avail Cap(c_a), veh/h	241	2327	862	976	3680	1172	320	479	396	163	391	403
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.13	0.13	0.13	0.91	0.91	0.91	0.61	0.61	0.61	1.00	1.00	1.00
Uniform Delay (d), s/veh	93.9	54.2	20.8	56.7	11.4	8.4	90.7	62.3	75.8	96.9	68.3	60.0
Incr Delay (d2), s/veh	1.3	14.1	0.1	0.1	0.4	0.1	44.7	0.3	20.4	2.9	0.8	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.9	45.9	6.8	7.2	12.9	0.8	10.8	3.2	19.4	1.4	2.1	1.6
LnGrp Delay(d),s/veh	95.2	68.4	21.0	56.8	11.8	8.4	135.5	62.6	96.2	99.8	69.1	60.5
LnGrp LOS	F	F	C	E	B	A	F	E	F	F	E	E
Approach Vol, veh/h		2822			2062			720			129	
Approach Delay, s/veh		64.8			18.9			110.7			78.9	
Approach LOS		E			B			F			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	68.4	102.7	23.0	46.5	14.7	156.4	14.5	55.0
Change Period (Y+Rc), s	11.2	* 11	4.4	* 9.9	4.4	11.2	* 9.9	* 9.9
Max Green Setting (Gmax), s	18.0	* 92	18.6	* 42	14.0	95.5	* 9.2	* 51
Max Q Clear Time (g_c+I1), s	17.0	93.5	20.6	5.9	10.2	29.4	4.8	42.9
Green Ext Time (p_c), s	0.1	0.0	0.0	1.1	0.1	49.1	0.0	2.2

Intersection Summary	
HCM 2010 Ctrl Delay	54.3
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
23: Northside Drive & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	170	2210	350	520	1130	150	250	60	760	100	20	80
Future Volume (veh/h)	170	2210	350	520	1130	150	250	60	760	100	20	80
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	177	2302	271	542	1177	114	260	62	480	104	21	-42
Adj No. of Lanes	2	3	1	2	3	1	2	1	1	2	1	1
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	222	2136	656	905	3198	1035	506	267	633	106	50	42
Arrive On Green	0.06	0.42	0.42	0.26	0.63	0.63	0.15	0.14	0.14	0.03	0.03	0.00
Sat Flow, veh/h	3442	5085	1561	3442	5085	1568	3442	1863	1517	3442	1863	1583
Grp Volume(v), veh/h	177	2302	271	542	1177	114	260	62	480	104	21	-42
Grp Sat Flow(s),veh/h/ln	1721	1695	1561	1721	1695	1568	1721	1863	1517	1721	1863	1583
Q Serve(g_s), s	7.6	63.0	18.3	20.7	16.8	1.1	10.5	4.4	0.0	4.5	1.7	0.0
Cycle Q Clear(g_c), s	7.6	63.0	18.3	20.7	16.8	1.1	10.5	4.4	0.0	4.5	1.7	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	222	2136	656	905	3198	1035	506	267	633	106	50	42
V/C Ratio(X)	0.80	1.08	0.41	0.60	0.37	0.11	0.51	0.23	0.76	0.99	0.42	-0.99
Avail Cap(c_a), veh/h	301	2136	656	905	3198	1035	506	484	811	106	299	254
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.25	0.25	0.25	1.00	1.00	1.00	0.71	0.71	0.71	1.00	1.00	0.00
Uniform Delay (d), s/veh	69.2	43.5	30.5	48.4	13.4	3.2	59.0	57.0	38.0	72.7	71.9	0.0
Incr Delay (d2), s/veh	1.9	37.7	0.5	0.8	0.3	0.2	0.3	0.9	4.2	82.6	24.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	36.9	8.0	10.0	7.9	0.9	5.0	2.3	17.5	3.4	1.2	0.0
LnGrp Delay(d),s/veh	71.0	81.2	31.0	49.1	13.8	3.4	59.3	57.9	42.2	155.2	96.1	0.0
LnGrp LOS	E	F	C	D	B	A	E	E	D	F	F	
Approach Vol, veh/h		2750			1833			802			83	
Approach Delay, s/veh		75.6			23.6			49.0			218.8	
Approach LOS		E			C			D			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	45.6	69.0	26.5	8.9	14.1	100.5	9.0	26.4
Change Period (Y+Rc), s	6.2	* 6	4.4	4.9	4.4	6.2	4.4	4.9
Max Green Setting (Gmax), s	23.7	* 63	19.5	24.1	13.1	73.4	4.6	39.0
Max Q Clear Time (g_c+I1), s	22.7	65.0	12.5	3.7	9.6	18.8	6.5	6.4
Green Ext Time (p_c), s	0.3	0.0	0.3	0.2	0.1	24.7	0.0	6.8

Intersection Summary	
HCM 2010 Ctrl Delay	56.4
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
24: MissioN Village Drive & Friar Road WB

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	870	10	280	510	420	0	0	900	520
Future Volume (veh/h)	0	0	0	870	10	280	510	420	0	0	900	520
Number				3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		0.96
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				916	11	0	537	442	0	0	947	326
Adj No. of Lanes				0	1	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				703	8	635	417	1809	0	0	839	359
Arrive On Green				0.40	0.40	0.00	0.23	0.51	0.00	0.00	0.24	0.24
Sat Flow, veh/h				1754	21	1583	1774	3632	0	0	3632	1517
Grp Volume(v), veh/h				927	0	0	537	442	0	0	947	326
Grp Sat Flow(s),veh/h/ln				1775	0	1583	1774	1770	0	0	1770	1517
Q Serve(g_s), s				54.1	0.0	0.0	31.7	9.4	0.0	0.0	32.0	28.2
Cycle Q Clear(g_c), s				54.1	0.0	0.0	31.7	9.4	0.0	0.0	32.0	28.2
Prop In Lane				0.99		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				711	0	635	417	1809	0	0	839	359
V/C Ratio(X)				1.30	0.00	0.00	1.29	0.24	0.00	0.00	1.13	0.91
Avail Cap(c_a), veh/h				711	0	635	417	1809	0	0	839	359
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				40.5	0.0	0.0	51.6	18.4	0.0	0.0	51.5	50.1
Incr Delay (d2), s/veh				146.6	0.0	0.0	147.1	0.1	0.0	0.0	72.9	26.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				55.4	0.0	0.0	32.5	4.6	0.0	0.0	24.1	14.4
LnGrp Delay(d),s/veh				187.0	0.0	0.0	198.8	18.5	0.0	0.0	124.4	76.1
LnGrp LOS				F			F	B			F	E
Approach Vol, veh/h					927			979			1273	
Approach Delay, s/veh					187.0			117.4			112.0	
Approach LOS					F			F			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	37.0	39.0				76.0		59.0
Change Period (Y+Rc), s	5.3	7.0				7.0		4.9
Max Green Setting (Gmax), s	31.7	32.0				69.0		54.1
Max Q Clear Time (g_c+I1), s	33.7	34.0				11.4		56.1
Green Ext Time (p_c), s	0.0	0.0				4.4		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	135.6
HCM 2010 LOS	F

HCM 2010 Signalized Intersection Summary
25: MissioN Village Drive & Friar Road eb

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	350	10	340	0	0	0	0	580	620	460	1310	0
Future Volume (veh/h)	350	10	340	0	0	0	0	580	620	460	1310	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97				1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	368	11	358				0	611	421	484	1379	0
Adj No. of Lanes	0	1	1				0	1	1	1	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	356	11	317				0	575	473	639	1274	0
Arrive On Green	0.21	0.21	0.21				0.00	0.31	0.31	0.36	0.36	0.00
Sat Flow, veh/h	1725	52	1537				0	1863	1532	1774	3632	0
Grp Volume(v), veh/h	379	0	358				0	611	421	484	1379	0
Grp Sat Flow(s),veh/h/ln	1776	0	1537				0	1863	1532	1774	1770	0
Q Serve(g_s), s	26.8	0.0	26.8				0.0	40.1	34.1	31.2	46.8	0.0
Cycle Q Clear(g_c), s	26.8	0.0	26.8				0.0	40.1	34.1	31.2	46.8	0.0
Prop In Lane	0.97		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	366	0	317				0	575	473	639	1274	0
V/C Ratio(X)	1.03	0.00	1.13				0.00	1.06	0.89	0.76	1.08	0.00
Avail Cap(c_a), veh/h	366	0	317				0	575	473	639	1274	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	51.6	0.0	51.6				0.0	45.0	42.9	36.6	41.6	0.0
Incr Delay (d2), s/veh	56.3	0.0	90.3				0.0	55.5	21.6	5.2	50.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	18.9	0.0	19.3				0.0	29.5	17.2	16.3	31.8	0.0
LnGrp Delay(d),s/veh	107.9	0.0	141.9				0.0	100.5	64.5	41.8	92.2	0.0
LnGrp LOS	F		F					F	E	D	F	
Approach Vol, veh/h		737						1032			1863	
Approach Delay, s/veh		124.4						85.8			79.1	
Approach LOS		F						F			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		45.0		32.0		53.0		
Change Period (Y+Rc), s		4.9		5.2		6.2		
Max Green Setting (Gmax), s		40.1		26.8		46.8		
Max Q Clear Time (g_c+I1), s		42.1		28.8		48.8		
Green Ext Time (p_c), s		0.0		0.0		0.0		

Intersection Summary	
HCM 2010 Ctrl Delay	90.2
HCM 2010 LOS	F

HCM 2010 Signalized Intersection Summary
26: I-15 SB Ramps & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	570	2070	840	350	1720	450	0	0	0	1160	0	970
Future Volume (veh/h)	570	2070	840	350	1720	450	0	0	0	1160	0	970
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863				1863	1863	1863
Adj Flow Rate, veh/h	582	2112	551	357	1755	0				1184	0	837
Adj No. of Lanes	1	3	1	1	3	1				3	0	2
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98				0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2				2	2	2
Cap, veh/h	478	2254	686	705	3004	935				1277	0	1593
Arrive On Green	0.27	0.44	0.44	0.40	0.59	0.00				0.24	0.00	0.24
Sat Flow, veh/h	1774	5085	1548	1774	5085	1583				5322	0	3087
Grp Volume(v), veh/h	582	2112	551	357	1755	0				1184	0	837
Grp Sat Flow(s),veh/h/ln	1774	1695	1548	1774	1695	1583				1774	0	1544
Q Serve(g_s), s	32.3	47.5	36.9	18.2	25.9	0.0				26.1	0.0	21.9
Cycle Q Clear(g_c), s	32.3	47.5	36.9	18.2	25.9	0.0				26.1	0.0	21.9
Prop In Lane	1.00		1.00	1.00		1.00				1.00		1.00
Lane Grp Cap(c), veh/h	478	2254	686	705	3004	935				1277	0	1593
V/C Ratio(X)	1.22	0.94	0.80	0.51	0.58	0.00				0.93	0.00	0.53
Avail Cap(c_a), veh/h	478	2288	696	705	3004	935				1326	0	1622
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.28	0.28	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	43.8	31.8	28.9	27.3	15.4	0.0				44.6	0.0	19.8
Incr Delay (d2), s/veh	116.3	9.0	9.7	0.1	0.2	0.0				10.8	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	31.2	24.0	17.6	8.9	12.1	0.0				14.1	0.0	20.7
LnGrp Delay(d),s/veh	160.1	40.8	38.5	27.3	15.6	0.0				55.4	0.0	20.0
LnGrp LOS	F	D	D	C	B					E		B
Approach Vol, veh/h		3245			2112						2021	
Approach Delay, s/veh		61.8			17.6						40.7	
Approach LOS		E			B						D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		
Phs Duration (G+Y+Rc), s	55.6	60.2		33.9	37.0	78.8		
Change Period (Y+Rc), s	7.0	* 7		5.1	* 4.7	7.0		
Max Green Setting (Gmax), s	19.8	* 54		29.9	* 32	41.0		
Max Q Clear Time (g_c+I1), s	20.2	49.5		28.1	34.3	27.9		
Green Ext Time (p_c), s	0.0	3.7		0.7	0.0	6.6		

Intersection Summary	
HCM 2010 Ctrl Delay	43.4
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
27: I-15 NB Ramps & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	770	2460	0	0	1360	800	0	0	1030	0	0	1160
Future Volume (veh/h)	770	2460	0	0	1360	800	0	0	1030	0	0	1160
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	1900	0	1863	1900
Adj Flow Rate, veh/h	786	2510	0	0	1388	0	0	0	0	0	0	0
Adj No. of Lanes	1	3	0	0	3	1	0	1	0	0	1	0
Peak Hour Factor	0.98	0.98	0.95	0.95	0.98	0.98	0.95	0.98	0.98	0.95	0.98	0.98
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	2	0	2	2
Cap, veh/h	389	4851	0	0	3912	1108	0	1	0	0	1	0
Arrive On Green	0.22	0.95	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	1774	5253	0	0	5588	1583	0	-74510	0	0	-74510	0
Grp Volume(v), veh/h	786	2510	0	0	1388	0	0	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	0	0	1863	1583	0	1863	0	0	1863	0
Q Serve(g_s), s	28.5	5.8	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	28.5	5.8	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	0.00		0.00
Lane Grp Cap(c), veh/h	389	4851	0	0	3912	1108	0	1	0	0	1	0
V/C Ratio(X)	2.02	0.52	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	389	4851	0	0	3912	1108	0	516	0	0	516	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.09	0.09	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	50.8	0.3	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	460.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	63.7	2.3	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh	511.0	0.3	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	F	A			A							
Approach Vol, veh/h		3296			1388			0			0	
Approach Delay, s/veh		122.1			8.0			0.0			0.0	
Approach LOS		F			A							

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		130.0		0.0	33.0	97.0		0.0
Change Period (Y+Rc), s		* 6		4.0	4.5	6.0		4.0
Max Green Setting (Gmax), s		* 86		36.0	28.5	51.0		36.0
Max Q Clear Time (g_c+I1), s		7.8		0.0	30.5	14.9		0.0
Green Ext Time (p_c), s		8.7		0.0	0.0	6.9		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	88.3
HCM 2010 LOS	F

Notes

HCM 2010 Signalized Intersection Summary
28: Rancho Mission Road & Friar Roads

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	2880	610	210	1620	540	350
Future Volume (veh/h)	2880	610	210	1620	540	350
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.98	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	2969	443	216	1670	570	285
Adj No. of Lanes	3	1	1	4	2	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	2937	1209	212	4660	696	311
Arrive On Green	0.58	0.58	0.12	0.73	0.20	0.20
Sat Flow, veh/h	5253	1556	1774	6669	3548	1583
Grp Volume(v), veh/h	2969	443	216	1670	570	285
Grp Sat Flow(s),veh/h/ln	1695	1556	1774	1602	1774	1583
Q Serve(g_s), s	83.7	13.1	17.3	13.9	22.3	25.6
Cycle Q Clear(g_c), s	83.7	13.1	17.3	13.9	22.3	25.6
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	2937	1209	212	4660	696	311
V/C Ratio(X)	1.01	0.37	1.02	0.36	0.82	0.92
Avail Cap(c_a), veh/h	2937	1209	212	4660	783	349
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.58	0.58	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.6	5.2	63.9	7.3	55.8	57.1
Incr Delay (d2), s/veh	15.5	0.5	67.3	0.2	5.5	25.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.2	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	43.1	10.6	12.4	6.2	11.5	13.4
LnGrp Delay(d),s/veh	46.1	5.7	131.3	7.5	61.3	82.4
LnGrp LOS	F	A	F	A	E	F
Approach Vol, veh/h	3412			1886	855	
Approach Delay, s/veh	40.8			21.7	68.3	
Approach LOS	D			C	E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	21.7	89.7				111.4		33.6
Change Period (Y+Rc), s	4.4	* 6				6.0		5.1
Max Green Setting (Gmax), s	17.3	* 80				101.9		32.0
Max Q Clear Time (g_c+I1), s	19.3	85.7				15.9		27.6
Green Ext Time (p_c), s	0.0	0.0				43.5		0.9

Intersection Summary	
HCM 2010 Ctrl Delay	38.8
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
29: Friar Roads & Santo Road



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	390	2840	1370	340	210	460
Future Volume (veh/h)	390	2840	1370	340	210	460
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	402	2928	1412	310	216	466
Adj No. of Lanes	2	3	4	0	2	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	466	3158	2341	513	947	650
Arrive On Green	0.14	0.62	0.44	0.44	0.28	0.28
Sat Flow, veh/h	3442	5253	5537	1157	3442	1583
Grp Volume(v), veh/h	402	2928	1286	436	216	466
Grp Sat Flow(s),veh/h/ln	1721	1695	1602	1627	1721	1583
Q Serve(g_s), s	12.0	54.0	21.3	21.4	5.1	25.8
Cycle Q Clear(g_c), s	12.0	54.0	21.3	21.4	5.1	25.8
Prop In Lane	1.00			0.71	1.00	1.00
Lane Grp Cap(c), veh/h	466	3158	2132	722	947	650
V/C Ratio(X)	0.86	0.93	0.60	0.60	0.23	0.72
Avail Cap(c_a), veh/h	538	3158	2132	722	1213	772
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.17	0.17	1.00	1.00
Uniform Delay (d), s/veh	44.4	17.8	22.2	22.2	29.4	25.8
Incr Delay (d2), s/veh	11.0	6.1	0.2	0.7	0.0	1.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.4	26.7	9.4	9.7	2.4	21.8
LnGrp Delay(d),s/veh	55.4	23.9	22.4	22.9	29.5	27.7
LnGrp LOS	E	C	C	C	C	C
Approach Vol, veh/h		3330	1722		682	
Approach Delay, s/veh		27.7	22.5		28.3	
Approach LOS		C	C		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		71.7		33.3	18.6	53.1		
Change Period (Y+Rc), s		6.5		4.4	4.4	* 6.5		
Max Green Setting (Gmax), s		57.1		37.0	16.4	* 37		
Max Q Clear Time (g_c+I1), s		56.0		27.8	14.0	23.4		
Green Ext Time (p_c), s		1.1		1.1	0.2	9.4		

Intersection Summary	
HCM 2010 Ctrl Delay	26.2
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
30: Riverdale Street & Friar Roads

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	280	2460	310	90	1160	110	330	90	120	160	40	220
Future Volume (veh/h)	280	2460	310	90	1160	110	330	90	120	160	40	220
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	0.99		0.98	0.99		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	295	2589	263	95	1221	95	347	95	105	168	42	106
Adj No. of Lanes	1	3	1	1	3	0	1	1	0	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	422	2471	753	112	1435	112	375	261	289	334	151	381
Arrive On Green	0.24	0.49	0.49	0.06	0.30	0.30	0.33	0.33	0.33	0.33	0.33	0.33
Sat Flow, veh/h	1774	5085	1551	1774	4799	373	1219	801	886	1164	463	1168
Grp Volume(v), veh/h	295	2589	263	95	863	453	347	0	200	168	0	148
Grp Sat Flow(s),veh/h/ln	1774	1695	1551	1774	1695	1782	1219	0	1687	1164	0	1631
Q Serve(g_s), s	18.2	58.3	12.6	6.4	28.7	28.7	31.0	0.0	10.9	15.5	0.0	8.1
Cycle Q Clear(g_c), s	18.2	58.3	12.6	6.4	28.7	28.7	39.1	0.0	10.9	26.4	0.0	8.1
Prop In Lane	1.00		1.00	1.00		0.21	1.00		0.52	1.00		0.72
Lane Grp Cap(c), veh/h	422	2471	753	112	1014	533	375	0	550	334	0	531
V/C Ratio(X)	0.70	1.05	0.35	0.85	0.85	0.85	0.93	0.00	0.36	0.50	0.00	0.28
Avail Cap(c_a), veh/h	422	2471	753	112	1133	595	375	0	550	334	0	531
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.52	0.52	0.52	0.09	0.09	0.09	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	41.8	30.9	19.1	55.6	39.5	39.5	45.9	0.0	30.9	41.0	0.0	30.0
Incr Delay (d2), s/veh	2.3	28.0	0.7	5.3	0.9	1.7	27.9	0.0	0.2	0.5	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.2	33.6	5.5	3.3	13.5	14.4	14.4	0.0	5.1	5.0	0.0	3.6
LnGrp Delay(d),s/veh	44.1	58.8	19.8	60.9	40.4	41.2	73.8	0.0	31.1	41.5	0.0	30.1
LnGrp LOS	D	F	B	E	D	D	E		C	D		C
Approach Vol, veh/h		3147			1411			547			316	
Approach Delay, s/veh		54.2			42.1			58.2			36.2	
Approach LOS		D			D			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.0	64.0		44.0	34.2	41.8		44.0
Change Period (Y+Rc), s	4.4	5.7		4.9	5.7	* 5.9		4.9
Max Green Setting (Gmax), s	7.6	58.3		39.1	25.6	* 40		39.1
Max Q Clear Time (g_c+I1), s	8.4	60.3		28.4	20.2	30.7		41.1
Green Ext Time (p_c), s	0.0	0.0		0.7	0.2	5.2		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	50.4
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
31: Mission Gorge Road & Friar Roads

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	2350	390	310	0	370	670
Future Volume (veh/h)	2350	390	310	0	370	670
Number	2	12	1	6	3	18
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	2398	0	316	0	378	623
Adj No. of Lanes	3	1	2	0	1	2
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	0	2	2
Cap, veh/h	2462	767	709	0	334	1099
Arrive On Green	0.64	0.00	0.21	0.00	0.19	0.19
Sat Flow, veh/h	5253	1583	3442	316	1774	2787
Grp Volume(v), veh/h	2398	0	316	41.8	378	623
Grp Sat Flow(s),veh/h/ln	1695	1583	1721	D	1774	1393
Q Serve(g_s), s	54.1	0.0	9.6		22.6	0.0
Cycle Q Clear(g_c), s	54.1	0.0	9.6		22.6	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	2462	767	709		334	1099
V/C Ratio(X)	0.97	0.00	0.45		1.13	0.57
Avail Cap(c_a), veh/h	2466	768	709		334	1099
HCM Platoon Ratio	1.33	1.33	1.00		1.00	1.00
Upstream Filter(I)	0.09	0.00	1.00		1.00	1.00
Uniform Delay (d), s/veh	20.6	0.0	41.7		48.7	28.4
Incr Delay (d2), s/veh	2.1	0.0	0.2		89.7	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0
%ile BackOfQ(50%),veh/ln	25.3	0.0	4.6		19.4	8.0
LnGrp Delay(d),s/veh	22.7	0.0	41.8		138.4	28.8
LnGrp LOS	C		D		F	C
Approach Vol, veh/h	2398				1001	
Approach Delay, s/veh	22.7				70.2	
Approach LOS	C				E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2						8
Phs Duration (G+Y+Rc), s	29.1	63.9						27.0
Change Period (Y+Rc), s	4.4	5.8						4.4
Max Green Setting (Gmax), s	24.6	58.2						22.6
Max Q Clear Time (g_c+I1), s	11.6	56.1						24.6
Green Ext Time (p_c), s	0.5	2.0						0.0

Intersection Summary	
HCM 2010 Ctrl Delay	37.1
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
32: Mission Center Road & Mission Center Ct

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	120	20	140	100	50	210	130	890	110	200	800	160
Future Volume (veh/h)	120	20	140	100	50	210	130	890	110	200	800	160
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.97	0.99		0.97	1.00		0.98	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	126	21	126	105	53	126	137	937	84	211	842	126
Adj No. of Lanes	0	1	1	0	1	1	1	2	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	200	27	336	278	130	336	447	1602	701	234	1011	437
Arrive On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.25	0.45	0.45	0.26	0.57	0.57
Sat Flow, veh/h	670	122	1540	1054	596	1540	1774	3539	1548	1774	3539	1528
Grp Volume(v), veh/h	147	0	126	158	0	126	137	937	84	211	842	126
Grp Sat Flow(s),veh/h/ln	792	0	1540	1649	0	1540	1774	1770	1548	1774	1770	1528
Q Serve(g_s), s	14.2	0.0	8.7	0.0	0.0	8.7	7.8	24.6	3.9	14.4	24.3	5.3
Cycle Q Clear(g_c), s	24.3	0.0	8.7	10.2	0.0	8.7	7.8	24.6	3.9	14.4	24.3	5.3
Prop In Lane	0.86		1.00	0.66		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	226	0	336	408	0	336	447	1602	701	234	1011	437
V/C Ratio(X)	0.65	0.00	0.37	0.39	0.00	0.37	0.31	0.58	0.12	0.90	0.83	0.29
Avail Cap(c_a), veh/h	244	0	358	430	0	358	447	1602	701	349	1515	654
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.87	0.87	0.87	0.79	0.79	0.79
Uniform Delay (d), s/veh	52.4	0.0	41.6	42.1	0.0	41.6	37.9	25.5	19.8	45.2	24.3	20.3
Incr Delay (d2), s/veh	3.8	0.0	0.3	0.2	0.0	0.3	0.1	1.4	0.3	11.8	6.5	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.2	0.0	3.7	4.7	0.0	3.7	3.9	12.3	1.7	7.7	12.5	2.4
LnGrp Delay(d),s/veh	56.2	0.0	41.8	42.3	0.0	41.8	38.0	26.8	20.1	57.0	30.8	21.6
LnGrp LOS	E		D	D		D	D	C	C	E	C	C
Approach Vol, veh/h		273			284			1158			1179	
Approach Delay, s/veh		49.6			42.1			27.7			34.5	
Approach LOS		D			D			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	20.9	66.9		37.2	41.8	46.0		37.2
Change Period (Y+Rc), s	4.4	10.3		* 9.9	10.3	* 10		* 9.9
Max Green Setting (Gmax), s	24.6	46.7		* 29	17.8	* 54		* 29
Max Q Clear Time (g_c+I1), s	16.4	26.6		26.3	9.8	26.3		12.2
Green Ext Time (p_c), s	0.2	5.6		0.2	0.1	9.4		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	33.9
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
33: Qualcomm Way & Rio San Diego Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	370	270	470	740	320	390	320	1075	230	190	820	260
Future Volume (veh/h)	370	270	470	740	320	390	320	1075	230	190	820	260
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.96	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	381	278	392	763	330	309	330	1108	175	196	845	175
Adj No. of Lanes	2	1	1	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	430	422	522	801	1183	633	377	1327	766	245	1132	541
Arrive On Green	0.12	0.23	0.23	0.23	0.33	0.33	0.11	0.26	0.26	0.07	0.22	0.22
Sat Flow, veh/h	3442	1863	1541	3442	3539	1555	3442	5085	1523	3442	5085	1541
Grp Volume(v), veh/h	381	278	392	763	330	309	330	1108	175	196	845	175
Grp Sat Flow(s),veh/h/ln	1721	1863	1541	1721	1770	1555	1721	1695	1523	1721	1695	1541
Q Serve(g_s), s	15.3	19.0	31.7	30.6	9.6	20.6	13.2	28.8	9.2	7.9	21.7	11.7
Cycle Q Clear(g_c), s	15.3	19.0	31.7	30.6	9.6	20.6	13.2	28.8	9.2	7.9	21.7	11.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	430	422	522	801	1183	633	377	1327	766	245	1132	541
V/C Ratio(X)	0.89	0.66	0.75	0.95	0.28	0.49	0.88	0.83	0.23	0.80	0.75	0.32
Avail Cap(c_a), veh/h	489	422	522	801	1183	633	408	1327	766	334	1132	541
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.17	0.17	0.17	0.78	0.78	0.78
Uniform Delay (d), s/veh	60.3	49.2	41.4	52.9	34.2	30.9	61.4	48.9	20.3	64.0	50.7	33.6
Incr Delay (d2), s/veh	15.0	3.7	6.0	20.8	0.1	0.6	3.5	1.2	0.1	5.2	3.5	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.1	10.2	14.4	16.8	4.7	9.0	6.5	13.7	3.9	3.9	10.5	5.2
LnGrp Delay(d),s/veh	75.3	53.0	47.4	73.7	34.3	31.5	64.9	50.0	20.4	69.2	54.3	34.9
LnGrp LOS	E	D	D	E	C	C	E	D	C	E	D	C
Approach Vol, veh/h		1051			1402			1613			1216	
Approach Delay, s/veh		59.0			55.1			49.9			53.9	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.4	46.6	37.0	42.0	19.7	41.3	21.9	57.1
Change Period (Y+Rc), s	4.4	* 10	4.4	10.3	4.4	* 10	4.4	10.3
Max Green Setting (Gmax), s	13.6	* 33	32.6	31.7	16.6	* 30	19.9	44.4
Max Q Clear Time (g_c+I1), s	9.9	30.8	32.6	33.7	15.2	23.7	17.3	22.6
Green Ext Time (p_c), s	0.1	1.6	0.0	0.0	0.1	4.0	0.2	3.1

Intersection Summary	
HCM 2010 Ctrl Delay	54.0
HCM 2010 LOS	D

Notes

Intersection	
Intersection Delay, s/veh	13.5
Intersection LOS	B

Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	632	500	30	265
Demand Flow Rate, veh/h	644	510	30	270
Vehicles Circulating, veh/h	240	166	822	354
Vehicles Exiting, veh/h	384	686	62	322
Follow-Up Headway, s	3.186	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	20	20	20	20
Ped Cap Adj	0.997	0.997	0.997	0.997
Approach Delay, s/veh	17.9	10.8	8.1	8.7
Approach LOS	C	B	A	A

Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193	5.193
Entry Flow, veh/h	644	510	30	270
Cap Entry Lane, veh/h	889	957	497	793
Entry HV Adj Factor	0.981	0.980	0.993	0.981
Flow Entry, veh/h	632	500	30	265
Cap Entry, veh/h	869	936	492	776
V/C Ratio	0.727	0.534	0.061	0.341
Control Delay, s/veh	17.9	10.8	8.1	8.7
LOS	C	B	A	A
95th %tile Queue, veh	7	3	0	2

HCM 2010 Signalized Intersection Summary
35: Fenton Parkway & Rio San Diego Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	150	380	190	205	300	240	150	480	180	420	320	110
Future Volume (veh/h)	150	380	190	205	300	240	150	480	180	420	320	110
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.97	1.00		0.95	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	153	388	123	209	306	153	153	490	113	429	327	30
Adj No. of Lanes	1	1	1	1	1	0	1	2	1	2	2	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	184	481	399	240	332	166	181	691	293	491	835	358
Arrive On Green	0.10	0.26	0.26	0.14	0.29	0.29	0.10	0.20	0.20	0.14	0.24	0.24
Sat Flow, veh/h	1774	1863	1547	1774	1158	579	1774	3539	1502	3442	3539	1516
Grp Volume(v), veh/h	153	388	123	209	0	459	153	490	113	429	327	30
Grp Sat Flow(s),veh/h/ln	1774	1863	1547	1774	0	1737	1774	1770	1502	1721	1770	1516
Q Serve(g_s), s	9.4	21.7	7.1	12.9	0.0	28.5	9.4	14.4	7.3	13.6	8.7	1.7
Cycle Q Clear(g_c), s	9.4	21.7	7.1	12.9	0.0	28.5	9.4	14.4	7.3	13.6	8.7	1.7
Prop In Lane	1.00		1.00	1.00		0.33	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	184	481	399	240	0	499	181	691	293	491	835	358
V/C Ratio(X)	0.83	0.81	0.31	0.87	0.00	0.92	0.85	0.71	0.39	0.87	0.39	0.08
Avail Cap(c_a), veh/h	558	711	590	558	0	663	186	779	331	563	982	421
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.9	38.7	33.3	47.2	0.0	38.5	49.1	41.8	39.0	46.7	35.8	33.1
Incr Delay (d2), s/veh	5.9	3.2	0.3	3.8	0.0	13.3	26.6	6.1	3.8	11.8	1.4	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.9	11.6	3.1	6.6	0.0	15.5	6.0	7.6	3.3	7.2	4.4	0.8
LnGrp Delay(d),s/veh	54.8	41.9	33.6	50.9	0.0	51.7	75.7	47.9	42.8	58.6	37.2	33.6
LnGrp LOS	D	D	C	D		D	E	D	D	E	D	C
Approach Vol, veh/h		664			668			756			786	
Approach Delay, s/veh		43.3			51.5			52.8			48.7	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	20.3	32.1	20.0	38.9	15.7	36.7	16.7	42.2
Change Period (Y+Rc), s	4.4	* 10	4.9	10.2	4.4	* 10	5.2	* 10
Max Green Setting (Gmax), s	18.2	* 25	35.0	42.5	11.7	* 31	35.0	* 43
Max Q Clear Time (g_c+I1), s	15.6	16.4	14.9	23.7	11.4	10.7	11.4	30.5
Green Ext Time (p_c), s	0.3	4.9	0.3	1.8	0.0	6.0	0.2	1.4

Intersection Summary	
HCM 2010 Ctrl Delay	49.2
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
36: Northside Drive & Rio San Diego Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	490	20	20	20	50	270	20	250	10	120	240	340
Future Volume (veh/h)	490	20	20	20	50	270	20	250	10	120	240	340
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		0.94	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	551	0	0	21	53	268	21	263	6	126	253	305
Adj No. of Lanes	2	1	0	0	1	1	1	2	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	796	418	0	125	315	370	34	604	254	160	450	728
Arrive On Green	0.22	0.00	0.00	0.24	0.24	0.24	0.02	0.17	0.17	0.09	0.24	0.24
Sat Flow, veh/h	3548	1863	0	521	1315	1544	1774	3539	1491	1774	1863	1544
Grp Volume(v), veh/h	551	0	0	74	0	268	21	263	6	126	253	305
Grp Sat Flow(s),veh/h/ln	1774	1863	0	1837	0	1544	1774	1770	1491	1774	1863	1544
Q Serve(g_s), s	9.9	0.0	0.0	2.2	0.0	11.1	0.8	4.6	0.2	4.8	8.3	9.1
Cycle Q Clear(g_c), s	9.9	0.0	0.0	2.2	0.0	11.1	0.8	4.6	0.2	4.8	8.3	9.1
Prop In Lane	1.00		0.00	0.28		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	796	418	0	440	0	370	34	604	254	160	450	728
V/C Ratio(X)	0.69	0.00	0.00	0.17	0.00	0.72	0.62	0.44	0.02	0.79	0.56	0.42
Avail Cap(c_a), veh/h	1432	752	0	794	0	668	102	934	393	246	642	887
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	24.7	0.0	0.0	20.9	0.0	24.3	33.8	25.8	24.0	30.9	23.1	12.3
Incr Delay (d2), s/veh	0.4	0.0	0.0	0.1	0.0	1.0	6.6	0.2	0.0	4.2	2.9	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.9	0.0	0.0	1.1	0.0	4.8	0.5	2.3	0.1	2.5	4.6	5.7
LnGrp Delay(d),s/veh	25.1	0.0	0.0	21.0	0.0	25.3	40.3	26.0	24.0	35.1	25.9	13.3
LnGrp LOS	C			C		C	D	C	C	D	C	B
Approach Vol, veh/h		551			342			290			684	
Approach Delay, s/veh		25.1			24.4			27.0			22.0	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	10.7	16.7		20.5	5.7	21.7		21.5
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	9.6	18.3		28.0	4.0	23.9		30.0
Max Q Clear Time (g_c+I1), s	6.8	6.6		11.9	2.8	11.1		13.1
Green Ext Time (p_c), s	0.0	0.9		1.0	0.0	4.5		0.6

Intersection Summary	
HCM 2010 Ctrl Delay	24.1
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
37: Rancho Mission Road & San Diego Mission Road

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	190	550	480	130	120	180	150	350	120	170	280	190
Future Volume (veh/h)	190	550	480	130	120	180	150	350	120	170	280	190
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.96	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	200	579	379	137	126	147	158	368	84	179	295	147
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	230	662	434	157	1007	435	186	404	334	205	424	351
Arrive On Green	0.13	0.33	0.33	0.09	0.28	0.28	0.10	0.22	0.22	0.12	0.23	0.23
Sat Flow, veh/h	1774	2035	1332	1774	3539	1528	1774	1863	1540	1774	1863	1542
Grp Volume(v), veh/h	200	503	455	137	126	147	158	368	84	179	295	147
Grp Sat Flow(s),veh/h/ln	1774	1770	1598	1774	1770	1528	1774	1863	1540	1774	1863	1542
Q Serve(g_s), s	12.5	30.2	30.2	8.6	3.0	8.6	9.9	21.7	5.1	11.2	16.4	9.2
Cycle Q Clear(g_c), s	12.5	30.2	30.2	8.6	3.0	8.6	9.9	21.7	5.1	11.2	16.4	9.2
Prop In Lane	1.00		0.83	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	230	576	520	157	1007	435	186	404	334	205	424	351
V/C Ratio(X)	0.87	0.87	0.87	0.87	0.13	0.34	0.85	0.91	0.25	0.87	0.70	0.42
Avail Cap(c_a), veh/h	346	620	560	157	1007	435	205	481	397	205	478	395
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.1	35.8	35.8	50.7	29.9	31.9	49.6	43.1	36.6	49.1	40.0	37.2
Incr Delay (d2), s/veh	10.0	13.2	14.4	36.2	0.1	0.8	23.7	17.9	0.1	30.7	2.8	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.8	16.8	15.3	5.8	1.5	3.7	6.0	13.2	2.2	7.2	8.8	4.0
LnGrp Delay(d),s/veh	58.1	49.0	50.2	86.9	30.0	32.7	73.3	61.0	36.7	79.7	42.8	37.5
LnGrp LOS	E	D	D	F	C	C	E	E	D	E	D	D
Approach Vol, veh/h		1158			410			610			621	
Approach Delay, s/veh		51.1			50.0			60.8			52.2	
Approach LOS		D			D			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.0	47.2	15.8	35.7	18.6	42.6	17.0	34.5
Change Period (Y+Rc), s	4.0	10.5	4.0	* 10	4.0	* 11	4.0	* 10
Max Green Setting (Gmax), s	10.0	39.5	13.0	* 29	22.0	* 28	13.0	* 29
Max Q Clear Time (g_c+I1), s	10.6	32.2	11.9	18.4	14.5	10.6	13.2	23.7
Green Ext Time (p_c), s	0.0	4.4	0.0	0.9	0.2	1.8	0.0	0.7

Intersection Summary	
HCM 2010 Ctrl Delay	53.3
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
38: Mission Center Road & Harzard Center Drive

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	250	20	720	80	50	50	460	830	20	60	900	80
Future Volume (veh/h)	250	20	720	80	50	50	460	830	20	60	900	80
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.93	1.00		0.95	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	275	0	490	83	52	21	479	865	11	62	938	62
Adj No. of Lanes	2	0	1	0	1	1	2	2	1	1	3	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	943	0	659	100	63	134	549	1321	562	80	1256	83
Arrive On Green	0.27	0.00	0.27	0.09	0.09	0.09	0.16	0.37	0.37	0.04	0.26	0.26
Sat Flow, veh/h	3548	0	1528	1111	696	1478	3442	3539	1507	1774	4862	321
Grp Volume(v), veh/h	275	0	490	135	0	21	479	865	11	62	653	347
Grp Sat Flow(s),veh/h/ln	1774	0	1528	1807	0	1478	1721	1770	1507	1774	1695	1792
Q Serve(g_s), s	7.4	0.0	32.0	8.8	0.0	1.6	16.4	24.4	0.6	4.2	21.3	21.4
Cycle Q Clear(g_c), s	7.4	0.0	32.0	8.8	0.0	1.6	16.4	24.4	0.6	4.2	21.3	21.4
Prop In Lane	1.00		1.00	0.61		1.00	1.00		1.00	1.00		0.18
Lane Grp Cap(c), veh/h	943	0	659	163	0	134	549	1321	562	80	876	463
V/C Ratio(X)	0.29	0.00	0.74	0.83	0.00	0.16	0.87	0.66	0.02	0.78	0.75	0.75
Avail Cap(c_a), veh/h	943	0	659	195	0	160	1172	2107	897	162	1036	548
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	35.2	0.0	29.3	53.8	0.0	50.5	49.4	31.3	23.8	56.9	41.0	41.1
Incr Delay (d2), s/veh	0.2	0.0	4.8	18.4	0.0	0.2	1.7	1.1	0.0	6.0	3.3	6.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	0.0	14.7	5.3	0.0	0.7	7.9	12.1	0.2	2.2	10.4	11.4
LnGrp Delay(d),s/veh	35.4	0.0	34.1	72.3	0.0	50.7	51.1	32.4	23.9	62.9	44.3	47.2
LnGrp LOS	D		C	E		D	D	C	C	E	D	D
Approach Vol, veh/h		765			156			1355			1062	
Approach Delay, s/veh		34.5			69.4			39.0			46.3	
Approach LOS		C			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.4	55.1		41.0	23.2	41.3		14.9
Change Period (Y+Rc), s	4.0	* 10		9.0	4.0	10.2		4.0
Max Green Setting (Gmax), s	11.0	* 72		32.0	41.0	36.8		13.0
Max Q Clear Time (g_c+I1), s	6.2	26.4		34.0	18.4	23.4		10.8
Green Ext Time (p_c), s	0.0	13.4		0.0	0.9	7.7		0.1

Intersection Summary	
HCM 2010 Ctrl Delay	41.7
HCM 2010 LOS	D

Notes



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	390	490	290	490	490	280
Future Volume (veh/h)	390	490	290	490	490	280
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.96	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	411	284	305	284	516	295
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	463	910	459	375	556	1146
Arrive On Green	0.26	0.26	0.25	0.25	0.31	0.62
Sat Flow, veh/h	1774	1583	1863	1519	1774	1863
Grp Volume(v), veh/h	411	284	305	284	516	295
Grp Sat Flow(s),veh/h/ln	1774	1583	1863	1519	1774	1863
Q Serve(g_s), s	16.2	6.8	10.7	12.6	20.5	5.3
Cycle Q Clear(g_c), s	16.2	6.8	10.7	12.6	20.5	5.3
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	463	910	459	375	556	1146
V/C Ratio(X)	0.89	0.31	0.66	0.76	0.93	0.26
Avail Cap(c_a), veh/h	512	954	564	460	586	1281
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	25.8	8.0	24.7	25.4	24.2	6.4
Incr Delay (d2), s/veh	16.1	0.2	2.1	5.7	20.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.9	3.0	5.8	5.9	13.2	2.7
LnGrp Delay(d),s/veh	41.9	8.2	26.8	31.1	44.8	6.5
LnGrp LOS	D	A	C	C	D	A
Approach Vol, veh/h	695		589			811
Approach Delay, s/veh	28.1		28.9			30.9
Approach LOS	C		C			C

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	26.8	22.4				49.2		23.5
Change Period (Y+Rc), s	4.0	4.5				4.5		4.5
Max Green Setting (Gmax), s	24.0	22.0				50.0		21.0
Max Q Clear Time (g_c+I1), s	22.5	14.6				7.3		18.2
Green Ext Time (p_c), s	0.3	1.8				1.9		0.8

Intersection Summary	
HCM 2010 Ctrl Delay	29.4
HCM 2010 LOS	C

HCM 2010 Signalized Intersection Summary
40: Mission Center Road & Camino De La Reina

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	260	560	300	300	310	290	250	720	250	460	920	290
Future Volume (veh/h)	260	560	300	300	310	290	250	720	250	460	920	290
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.98	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	274	589	221	316	326	210	263	758	200	484	968	210
Adj No. of Lanes	2	2	0	2	2	0	2	3	0	2	3	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	347	738	276	385	632	397	208	960	250	302	1361	408
Arrive On Green	0.10	0.30	0.30	0.11	0.31	0.31	0.06	0.24	0.24	0.09	0.27	0.27
Sat Flow, veh/h	3442	2496	934	3442	2060	1292	3442	3996	1042	3442	5085	1524
Grp Volume(v), veh/h	274	417	393	316	279	257	263	642	316	484	968	210
Grp Sat Flow(s),veh/h/ln	1721	1770	1661	1721	1770	1582	1721	1695	1647	1721	1695	1524
Q Serve(g_s), s	8.5	23.8	23.9	9.8	14.2	14.7	6.6	19.4	19.7	9.6	18.8	12.8
Cycle Q Clear(g_c), s	8.5	23.8	23.9	9.8	14.2	14.7	6.6	19.4	19.7	9.6	18.8	12.8
Prop In Lane	1.00		0.56	1.00		0.82	1.00		0.63	1.00		1.00
Lane Grp Cap(c), veh/h	347	523	491	385	543	486	208	815	396	302	1361	408
V/C Ratio(X)	0.79	0.80	0.80	0.82	0.51	0.53	1.27	0.79	0.80	1.60	0.71	0.51
Avail Cap(c_a), veh/h	1467	1000	939	655	583	521	208	896	435	302	1493	447
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	48.0	35.5	35.5	47.5	31.2	31.4	51.4	38.9	39.0	49.9	36.2	34.0
Incr Delay (d2), s/veh	1.5	3.0	3.2	1.7	1.5	1.7	152.1	5.1	10.7	285.8	1.9	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.1	12.0	11.3	4.7	7.1	6.7	7.5	9.7	10.1	16.5	9.0	5.6
LnGrp Delay(d),s/veh	49.6	38.5	38.7	49.1	32.6	33.1	203.5	44.0	49.8	335.7	38.1	36.0
LnGrp LOS	D	D	D	D	C	C	F	D	D	F	D	D
Approach Vol, veh/h		1084			852			1221			1662	
Approach Delay, s/veh		41.4			38.9			79.8			124.5	
Approach LOS		D			D			E			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.0	36.5	16.6	42.2	11.0	39.5	15.4	43.4
Change Period (Y+Rc), s	4.4	10.2	4.4	* 9.9	4.4	* 10	4.4	* 9.9
Max Green Setting (Gmax), s	9.6	28.9	20.8	* 62	6.6	* 32	46.6	* 36
Max Q Clear Time (g_c+I1), s	11.6	21.7	11.8	25.9	8.6	20.8	10.5	16.7
Green Ext Time (p_c), s	0.0	4.5	0.4	6.5	0.0	7.6	0.5	5.6

Intersection Summary	
HCM 2010 Ctrl Delay	79.3
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
41: Camino Del Este & Camino De La Reina

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	210	630	180	240	590	50	150	170	160	150	330	220
Future Volume (veh/h)	210	630	180	240	590	50	150	170	160	150	330	220
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.96	0.99		0.98	0.99		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	221	663	157	253	621	42	158	179	147	158	347	179
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	260	881	379	293	947	408	279	1064	466	357	1064	460
Arrive On Green	0.15	0.25	0.25	0.16	0.27	0.27	0.30	0.30	0.30	0.30	0.30	0.30
Sat Flow, veh/h	1774	3539	1523	1774	3539	1524	866	3539	1552	1037	3539	1531
Grp Volume(v), veh/h	221	663	157	253	621	42	158	179	147	158	347	179
Grp Sat Flow(s),veh/h/ln	1774	1770	1523	1774	1770	1524	866	1770	1552	1037	1770	1531
Q Serve(g_s), s	10.4	14.8	7.4	11.9	13.3	1.8	14.8	3.2	6.3	11.3	6.5	7.9
Cycle Q Clear(g_c), s	10.4	14.8	7.4	11.9	13.3	1.8	21.3	3.2	6.3	14.5	6.5	7.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	260	881	379	293	947	408	279	1064	466	357	1064	460
V/C Ratio(X)	0.85	0.75	0.41	0.86	0.66	0.10	0.57	0.17	0.32	0.44	0.33	0.39
Avail Cap(c_a), veh/h	427	1163	501	490	1283	553	363	1408	617	458	1408	609
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	35.6	29.7	26.9	34.8	27.8	23.6	31.4	22.0	23.1	27.4	23.2	23.7
Incr Delay (d2), s/veh	4.1	2.0	0.8	4.1	0.8	0.1	1.2	0.1	0.3	0.6	0.1	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.4	7.4	3.2	6.2	6.6	0.8	3.6	1.5	2.7	3.3	3.2	3.4
LnGrp Delay(d),s/veh	39.7	31.7	27.6	38.8	28.6	23.7	32.7	22.1	23.4	28.0	23.3	24.0
LnGrp LOS	D	C	C	D	C	C	C	C	C	C	C	C
Approach Vol, veh/h		1041			916			484			684	
Approach Delay, s/veh		32.8			31.2			25.9			24.6	
Approach LOS		C			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	18.5	31.4		35.6	16.9	33.0		35.6
Change Period (Y+Rc), s	4.4	* 10		* 9.9	4.4	* 10		* 9.9
Max Green Setting (Gmax), s	23.6	* 28		* 34	20.6	* 31		* 34
Max Q Clear Time (g_c+I1), s	13.9	16.8		16.5	12.4	15.3		23.3
Green Ext Time (p_c), s	0.3	4.0		2.8	0.2	3.9		1.6

Intersection Summary	
HCM 2010 Ctrl Delay	29.5
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
42: Qualcomm Way & Camino De La Reina/Camino Del Rio North

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	285	320	350	80	330	250	250	1420	300	295	1795	250
Future Volume (veh/h)	285	320	350	80	330	250	250	1420	300	295	1795	250
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	291	292	380	82	337	173	255	1449	224	301	1832	184
Adj No. of Lanes	1	1	2	2	2	1	2	2	1	2	3	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	252	499	1119	124	572	243	256	1590	693	275	2313	702
Arrive On Green	0.14	0.27	0.27	0.04	0.16	0.16	0.07	0.45	0.45	0.08	0.45	0.45
Sat Flow, veh/h	1774	1863	3054	3442	3539	1505	3442	3539	1543	3442	5085	1543
Grp Volume(v), veh/h	291	292	380	82	337	173	255	1449	224	301	1832	184
Grp Sat Flow(s),veh/h/ln	1774	1863	1527	1721	1770	1505	1721	1770	1543	1721	1695	1543
Q Serve(g_s), s	20.6	19.7	13.1	3.4	12.8	15.8	10.7	55.3	13.6	11.6	44.5	10.7
Cycle Q Clear(g_c), s	20.6	19.7	13.1	3.4	12.8	15.8	10.7	55.3	13.6	11.6	44.5	10.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	252	499	1119	124	572	243	256	1590	693	275	2313	702
V/C Ratio(X)	1.15	0.59	0.34	0.66	0.59	0.71	1.00	0.91	0.32	1.09	0.79	0.26
Avail Cap(c_a), veh/h	252	615	1310	173	830	353	280	1590	693	275	2313	702
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.72	0.72	0.72	1.00	1.00	1.00	0.70	0.70	0.70	0.51	0.51	0.51
Uniform Delay (d), s/veh	62.2	46.1	33.6	69.0	56.3	57.6	67.1	37.2	25.7	66.7	33.7	24.5
Incr Delay (d2), s/veh	97.0	0.6	0.1	2.2	0.4	1.4	41.7	6.9	0.9	66.4	1.5	0.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.9	10.2	5.5	1.7	6.3	6.7	6.6	28.5	5.9	8.0	21.2	4.6
LnGrp Delay(d),s/veh	159.2	46.7	33.7	71.2	56.7	59.0	108.8	44.1	26.6	133.1	35.1	24.9
LnGrp LOS	F	D	C	E	E	E	F	D	C	F	D	C
Approach Vol, veh/h		963			592			1928			2317	
Approach Delay, s/veh		75.6			59.4			50.6			47.1	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	19.0	71.9	9.6	44.5	18.2	72.7	25.0	29.1
Change Period (Y+Rc), s	4.4	6.7	4.4	* 5.7	4.4	* 6.7	4.4	5.7
Max Green Setting (Gmax), s	14.6	54.6	7.3	* 48	14.8	* 56	20.6	34.0
Max Q Clear Time (g_c+I1), s	14.6	57.3	5.4	21.7	13.7	46.5	22.6	17.8
Green Ext Time (p_c), s	0.0	0.0	0.0	0.6	0.1	9.2	0.0	1.6

Intersection Summary	
HCM 2010 Ctrl Delay	54.2
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
43: Fenton Parkway & Camino Del Rio North

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	150	300	340	230	260	80	180	280	190	120	360	180
Future Volume (veh/h)	150	300	340	230	260	80	180	280	190	120	360	180
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.98	1.00		0.97	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	158	316	305	242	274	63	189	295	168	126	379	157
Adj No. of Lanes	1	1	1	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	189	413	526	267	386	89	214	390	222	154	398	165
Arrive On Green	0.11	0.22	0.22	0.15	0.26	0.26	0.12	0.35	0.35	0.09	0.32	0.32
Sat Flow, veh/h	1774	1863	1512	1774	1459	335	1774	1103	628	1774	1245	516
Grp Volume(v), veh/h	158	316	305	242	0	337	189	0	463	126	0	536
Grp Sat Flow(s),veh/h/ln	1774	1863	1512	1774	0	1794	1774	0	1730	1774	0	1760
Q Serve(g_s), s	9.0	16.5	17.2	13.9	0.0	17.6	10.9	0.0	24.5	7.2	0.0	30.9
Cycle Q Clear(g_c), s	9.0	16.5	17.2	13.9	0.0	17.6	10.9	0.0	24.5	7.2	0.0	30.9
Prop In Lane	1.00		1.00	1.00		0.19	1.00		0.36	1.00		0.29
Lane Grp Cap(c), veh/h	189	413	526	267	0	475	214	0	612	154	0	563
V/C Ratio(X)	0.84	0.77	0.58	0.91	0.00	0.71	0.88	0.00	0.76	0.82	0.00	0.95
Avail Cap(c_a), veh/h	236	529	620	267	0	544	214	0	612	156	0	569
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	45.4	37.8	28.1	43.3	0.0	34.5	44.8	0.0	29.5	46.5	0.0	34.5
Incr Delay (d2), s/veh	18.7	5.2	1.1	30.9	0.0	3.7	32.1	0.0	4.8	27.6	0.0	26.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.4	9.0	7.3	9.1	0.0	9.2	7.2	0.0	12.5	4.7	0.0	19.0
LnGrp Delay(d),s/veh	64.0	43.0	29.2	74.2	0.0	38.2	76.9	0.0	34.4	74.1	0.0	60.7
LnGrp LOS	E	D	C	E		D	E		C	E		E
Approach Vol, veh/h		779			579			652			662	
Approach Delay, s/veh		41.8			53.2			46.7			63.2	
Approach LOS		D			D			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	20.0	28.6	17.0	38.0	15.5	33.0	13.5	41.5
Change Period (Y+Rc), s	4.4	5.6	4.5	* 4.9	4.5	* 5.6	4.5	4.9
Max Green Setting (Gmax), s	15.6	29.4	12.5	* 34	13.8	* 31	9.1	36.5
Max Q Clear Time (g_c+I1), s	15.9	19.2	12.9	32.9	11.0	19.6	9.2	26.5
Green Ext Time (p_c), s	0.0	2.4	0.0	0.3	0.1	1.6	0.0	1.6

Intersection Summary	
HCM 2010 Ctrl Delay	50.8
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
44: Camino Del Rio North & Rancho Mission Road



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	270	490	210	290	660	290
Future Volume (veh/h)	270	490	210	290	660	290
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.94	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	284	516	221	210	695	231
Adj No. of Lanes	1	2	2	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	294	1363	616	260	711	897
Arrive On Green	0.17	0.39	0.17	0.17	0.40	0.40
Sat Flow, veh/h	1774	3632	3632	1492	1774	1583
Grp Volume(v), veh/h	284	516	221	210	695	231
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1492	1774	1583
Q Serve(g_s), s	15.5	10.2	5.4	13.2	37.7	7.2
Cycle Q Clear(g_c), s	15.5	10.2	5.4	13.2	37.7	7.2
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	294	1363	616	260	711	897
V/C Ratio(X)	0.96	0.38	0.36	0.81	0.98	0.26
Avail Cap(c_a), veh/h	294	1657	703	297	711	897
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	40.4	21.6	35.5	38.7	28.8	10.7
Incr Delay (d2), s/veh	42.4	0.3	0.5	15.1	28.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.0	5.1	2.7	6.5	23.9	9.0
LnGrp Delay(d),s/veh	82.9	21.9	36.0	53.8	56.9	10.8
LnGrp LOS	F	C	D	D	E	B
Approach Vol, veh/h		800	431		926	
Approach Delay, s/veh		43.5	44.7		45.4	
Approach LOS		D	D		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		48.6		49.0	20.6	28.0		
Change Period (Y+Rc), s		* 11		* 9.9	4.4	11.0		
Max Green Setting (Gmax), s		* 46		* 39	16.2	19.4		
Max Q Clear Time (g_c+I1), s		12.2		39.7	17.5	15.2		
Green Ext Time (p_c), s		5.6		0.0	0.0	1.2		

Intersection Summary	
HCM 2010 Ctrl Delay	44.6
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
45: Mission Gorge Road & Camino Del Rio North/I-8 WB Off Ramps

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	110	130	610	670	80	290	340	970	220	50	1520	90
Future Volume (veh/h)	110	130	610	670	80	290	340	970	220	50	1520	90
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.89	1.00		0.97	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	113	134	402	691	175	124	351	1000	175	52	1567	31
Adj No. of Lanes	1	1	1	2	1	1	1	2	1	2	2	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	97	101	370	796	418	447	329	1828	808	220	1398	616
Arrive On Green	0.05	0.05	0.05	0.22	0.22	0.22	0.19	0.52	0.52	0.06	0.39	0.39
Sat Flow, veh/h	1774	1863	1409	3548	1863	1541	1774	3539	1565	3442	3539	1559
Grp Volume(v), veh/h	113	134	402	691	175	124	351	1000	175	52	1567	31
Grp Sat Flow(s),veh/h/ln	1774	1863	1409	1774	1863	1541	1774	1770	1565	1721	1770	1559
Q Serve(g_s), s	7.9	7.9	7.9	27.2	11.7	0.0	26.9	27.6	8.8	2.1	57.3	1.8
Cycle Q Clear(g_c), s	7.9	7.9	7.9	27.2	11.7	0.0	26.9	27.6	8.8	2.1	57.3	1.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	97	101	371	796	418	447	329	1828	808	220	1398	616
V/C Ratio(X)	1.17	1.32	1.09	0.87	0.42	0.28	1.07	0.55	0.22	0.24	1.12	0.05
Avail Cap(c_a), veh/h	97	101	371	903	474	493	329	1828	808	220	1398	616
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.69	0.69	0.69	1.00	1.00	1.00
Uniform Delay (d), s/veh	68.6	68.6	55.4	54.2	48.1	39.8	59.0	23.6	19.1	64.5	43.9	27.1
Incr Delay (d2), s/veh	144.1	197.5	71.5	7.5	0.2	0.1	60.2	0.8	0.4	0.2	64.5	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.7	9.6	22.2	14.2	6.1	3.8	18.7	13.7	3.9	1.0	40.5	0.8
LnGrp Delay(d),s/veh	212.6	266.1	126.9	61.7	48.4	40.0	119.2	24.4	19.5	64.7	108.4	27.2
LnGrp LOS	F	F	F	E	D	D	F	C	B	E	F	C
Approach Vol, veh/h		649			990			1526			1650	
Approach Delay, s/veh		170.6			56.6			45.7			105.5	
Approach LOS		F			E			D			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	14.4	80.0		13.0	32.0	62.4		37.6
Change Period (Y+Rc), s	5.1	5.1		5.1	5.1	5.1		5.1
Max Green Setting (Gmax), s	4.9	74.9		7.9	26.9	52.9		36.9
Max Q Clear Time (g_c+I1), s	4.1	29.6		9.9	28.9	59.3		29.2
Green Ext Time (p_c), s	0.0	5.0		0.0	0.0	0.0		1.6

Intersection Summary	
HCM 2010 Ctrl Delay	85.2
HCM 2010 LOS	F

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	200	100	0	90
Future Volume (veh/h)	0	0	200	100	0	90
Number			8	18	1	16
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.97	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1900	1863	1863
Adj Flow Rate, veh/h			211	105	0	95
Adj No. of Lanes			2	0	1	1
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			784	373	0	0
Arrive On Green			0.34	0.34	0.00	0.00
Sat Flow, veh/h			2397	1096	0	
Grp Volume(v), veh/h			160	156	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1630		
Q Serve(g_s), s			0.9	1.0		
Cycle Q Clear(g_c), s			0.9	1.0		
Prop In Lane				0.67		
Lane Grp Cap(c), veh/h			602	555		
V/C Ratio(X)			0.27	0.28		
Avail Cap(c_a), veh/h			2027	1868		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			3.4	3.5		
Incr Delay (d2), s/veh			0.2	0.3		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			0.5	0.5		
LnGrp Delay(d),s/veh			3.7	3.7		
LnGrp LOS			A	A		
Approach Vol, veh/h			316			
Approach Delay, s/veh			3.7			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs								8
Phs Duration (G+Y+Rc), s								14.4
Change Period (Y+Rc), s								9.5
Max Green Setting (Gmax), s								16.5
Max Q Clear Time (g_c+I1), s								3.0
Green Ext Time (p_c), s								1.5

Intersection Summary	
HCM 2010 Ctrl Delay	3.7
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
48: Hotel Circle North/Camino De La Reina & Fashion Valley Road



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	550	440	1	460
Future Volume (veh/h)	0	0	550	440	1	460
Number			2	12	7	14
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.95	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1863	1863	1863
Adj Flow Rate, veh/h			579	358	1	379
Adj No. of Lanes			2	1	1	2
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			1145	486	0	0
Arrive On Green			0.32	0.32	0.00	0.00
Sat Flow, veh/h			3632	1502	0	
Grp Volume(v), veh/h			579	358	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1502		
Q Serve(g_s), s			11.9	19.1		
Cycle Q Clear(g_c), s			11.9	19.1		
Prop In Lane				1.00		
Lane Grp Cap(c), veh/h			1145	486		
V/C Ratio(X)			0.51	0.74		
Avail Cap(c_a), veh/h			1931	819		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			24.6	27.0		
Incr Delay (d2), s/veh			0.5	3.0		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			5.9	8.3		
LnGrp Delay(d),s/veh			25.1	30.0		
LnGrp LOS			C	C		
Approach Vol, veh/h			937			
Approach Delay, s/veh			27.0			
Approach LOS			C			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		39.0						
Change Period (Y+Rc), s		* 9.9						
Max Green Setting (Gmax), s		* 49						
Max Q Clear Time (g_c+I1), s		21.1						
Green Ext Time (p_c), s		8.1						

Intersection Summary	
HCM 2010 Ctrl Delay	27.0
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
49: Mission Center Road & Camino Del Rio N

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	210	260	280	280	490	240	590	670	410	980	130
Future Volume (veh/h)	140	210	260	280	280	490	240	590	670	410	980	130
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		1.00	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	144	216	0	289	289	443	247	608	0	423	1010	103
Adj No. of Lanes	1	2	1	2	1	1	2	2	1	2	2	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	171	898	402	360	487	405	298	910	407	493	1111	480
Arrive On Green	0.10	0.25	0.00	0.10	0.26	0.26	0.09	0.26	0.00	0.14	0.31	0.31
Sat Flow, veh/h	1774	3539	1583	3442	1863	1547	3442	3539	1583	3442	3539	1529
Grp Volume(v), veh/h	144	216	0	289	289	443	247	608	0	423	1010	103
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1863	1547	1721	1770	1583	1721	1770	1529
Q Serve(g_s), s	7.9	4.8	0.0	8.2	13.5	26.0	7.0	15.3	0.0	11.9	27.2	4.9
Cycle Q Clear(g_c), s	7.9	4.8	0.0	8.2	13.5	26.0	7.0	15.3	0.0	11.9	27.2	4.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	171	898	402	360	487	405	298	910	407	493	1111	480
V/C Ratio(X)	0.84	0.24	0.00	0.80	0.59	1.09	0.83	0.67	0.00	0.86	0.91	0.21
Avail Cap(c_a), veh/h	171	954	427	492	487	405	298	910	407	544	1132	489
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	44.1	29.5	0.0	43.5	32.1	36.7	44.7	33.1	0.0	41.6	32.7	25.1
Incr Delay (d2), s/veh	28.1	0.1	0.0	4.7	1.3	72.7	16.6	1.5	0.0	12.1	11.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.2	2.4	0.0	4.1	7.1	19.2	4.0	7.7	0.0	6.5	15.0	2.1
LnGrp Delay(d),s/veh	72.2	29.6	0.0	48.2	33.4	109.4	61.2	34.7	0.0	53.7	43.8	25.5
LnGrp LOS	E	C		D	C	F	E	C		D	D	C
Approach Vol, veh/h		360			1021			855			1536	
Approach Delay, s/veh		46.7			70.6			42.3			45.3	
Approach LOS		D			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	18.6	30.4	14.8	35.5	13.0	36.1	14.0	36.3
Change Period (Y+Rc), s	4.4	4.9	4.4	* 10	4.4	4.9	4.4	10.3
Max Green Setting (Gmax), s	15.7	24.7	14.2	* 27	8.6	31.8	9.6	26.0
Max Q Clear Time (g_c+I1), s	13.9	17.3	10.2	6.8	9.0	29.2	9.9	28.0
Green Ext Time (p_c), s	0.3	1.6	0.2	1.3	0.0	2.0	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	51.6
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
50: I-8 WB Ramps/Mission Valley Mall Driveway & Camino Del Rio N

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	340	950	290	310	0	740	190	270	0	0	0
Future Volume (veh/h)	0	340	950	290	310	0	740	190	270	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	351	0	299	320	0	480	593	0			
Adj No. of Lanes	0	2	1	1	2	0	1	1	1			
Peak Hour Factor	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	1314	588	276	1975	0	642	674	573			
Arrive On Green	0.00	0.37	0.00	0.16	0.56	0.00	0.36	0.36	0.00			
Sat Flow, veh/h	0	3632	1583	1774	3632	0	1774	1863	1583			
Grp Volume(v), veh/h	0	351	0	299	320	0	480	593	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1774	1770	0	1774	1863	1583			
Q Serve(g_s), s	0.0	10.4	0.0	23.3	6.6	0.0	35.5	44.7	0.0			
Cycle Q Clear(g_c), s	0.0	10.4	0.0	23.3	6.6	0.0	35.5	44.7	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	1314	588	276	1975	0	642	674	573			
V/C Ratio(X)	0.00	0.27	0.00	1.09	0.16	0.00	0.75	0.88	0.00			
Avail Cap(c_a), veh/h	0	1314	588	276	1975	0	757	795	676			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.85	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
Uniform Delay (d), s/veh	0.0	32.9	0.0	63.3	16.1	0.0	41.8	44.8	0.0			
Incr Delay (d2), s/veh	0.0	0.4	0.0	78.8	0.2	0.0	4.0	10.6	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	5.1	0.0	17.4	3.2	0.0	18.0	24.9	0.0			
LnGrp Delay(d),s/veh	0.0	33.3	0.0	142.1	16.3	0.0	45.8	55.3	0.0			
LnGrp LOS		C		F	B		D	E				
Approach Vol, veh/h		351			619			1073				
Approach Delay, s/veh		33.3			77.1			51.1				
Approach LOS		C			E			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	28.0	61.7		60.3		89.7		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 23	46.0		64.0		74.0		
Max Q Clear Time (g_c+I1), s	25.3	12.4		46.7		8.6		
Green Ext Time (p_c), s	0.0	2.6		7.6		2.5		

Intersection Summary			
HCM 2010 Ctrl Delay		55.9	
HCM 2010 LOS		E	

Notes

HCM 2010 Signalized Intersection Summary
51: Camino Del Rio N & Camino Del Este



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	270	430	350	230	460	330
Future Volume (veh/h)	270	430	350	230	460	330
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.97	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	284	453	368	200	484	305
Adj No. of Lanes	1	1	2	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	289	1108	1352	589	519	463
Arrive On Green	0.16	0.59	0.38	0.38	0.29	0.29
Sat Flow, veh/h	1774	1863	3632	1542	1774	1583
Grp Volume(v), veh/h	284	453	368	200	484	305
Grp Sat Flow(s),veh/h/ln	1774	1863	1770	1542	1774	1583
Q Serve(g_s), s	12.7	10.4	5.7	7.4	21.2	13.5
Cycle Q Clear(g_c), s	12.7	10.4	5.7	7.4	21.2	13.5
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	289	1108	1352	589	519	463
V/C Ratio(X)	0.98	0.41	0.27	0.34	0.93	0.66
Avail Cap(c_a), veh/h	289	1108	1352	589	522	466
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.3	8.7	17.0	17.5	27.5	24.8
Incr Delay (d2), s/veh	48.0	1.1	0.5	1.6	24.1	3.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.0	5.6	2.9	3.4	13.8	12.0
LnGrp Delay(d),s/veh	81.4	9.8	17.5	19.1	51.6	28.5
LnGrp LOS	F	A	B	B	D	C
Approach Vol, veh/h		737	568		789	
Approach Delay, s/veh		37.4	18.1		42.7	
Approach LOS		D	B		D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		52.0		27.8	17.0	35.0		
Change Period (Y+Rc), s		4.5		4.5	4.0	4.5		
Max Green Setting (Gmax), s		47.5		23.5	13.0	30.5		
Max Q Clear Time (g_c+I1), s		12.4		23.2	14.7	9.4		
Green Ext Time (p_c), s		2.7		0.1	0.0	2.6		

Intersection Summary	
HCM 2010 Ctrl Delay	34.1
HCM 2010 LOS	C

HCM 2010 Signalized Intersection Summary
52: Qualcomm Way & Camino Del Rio N/I-8 WB Ramps

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	310	0	490	130	250	375	290	1285	250	0	1475	750
Future Volume (veh/h)	310	0	490	130	250	375	290	1285	250	0	1475	750
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863	1900	1863	1863	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	316	0	408	133	255	291	296	1311	0	0	1505	459
Adj No. of Lanes	1	0	1	0	1	1	1	3	1	0	2	1
Peak Hour Factor	0.98	0.95	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.95	0.98	0.98
Percent Heavy Veh, %	2	0	2	2	2	2	2	2	2	0	2	2
Cap, veh/h	0	0	0	119	228	291	640	3814	1187	0	1255	552
Arrive On Green	0.00	0.00	0.00	0.19	0.19	0.19	0.36	0.75	0.00	0.00	0.35	0.35
Sat Flow, veh/h		0		628	1204	1533	1774	5085	1583	0	3632	1557
Grp Volume(v), veh/h		0.0		388	0	291	296	1311	0	0	1505	459
Grp Sat Flow(s),veh/h/ln				1831	0	1533	1774	1695	1583	0	1770	1557
Q Serve(g_s), s				37.9	0.0	37.9	25.6	17.4	0.0	0.0	70.9	54.0
Cycle Q Clear(g_c), s				37.9	0.0	37.9	25.6	17.4	0.0	0.0	70.9	54.0
Prop In Lane				0.34		1.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h				347	0	291	640	3814	1187	0	1255	552
V/C Ratio(X)				1.12	0.00	1.00	0.46	0.34	0.00	0.00	1.20	0.83
Avail Cap(c_a), veh/h				347	0	291	640	3814	1187	0	1255	552
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	1.00	0.86	0.86	0.00	0.00	0.57	0.57
Uniform Delay (d), s/veh				81.1	0.0	81.1	49.1	8.4	0.0	0.0	64.6	59.1
Incr Delay (d2), s/veh				84.1	0.0	53.2	0.2	0.2	0.0	0.0	94.4	8.3
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				27.3	0.0	20.4	12.6	8.2	0.0	0.0	51.1	24.5
LnGrp Delay(d),s/veh				165.2	0.0	134.2	49.3	8.6	0.0	0.0	159.0	67.4
LnGrp LOS				F		F	D	A			F	E
Approach Vol, veh/h					679			1607			1964	
Approach Delay, s/veh					151.9			16.1			137.6	
Approach LOS					F			B			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		157.0			79.1	77.9		43.0
Change Period (Y+Rc), s		7.0			7.0	* 7		5.1
Max Green Setting (Gmax), s		103.9			28.3	* 71		37.9
Max Q Clear Time (g_c+I1), s		19.4			27.6	72.9		39.9
Green Ext Time (p_c), s		6.9			0.0	0.0		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	93.9
HCM 2010 LOS	F

Notes

HCM 2010 Signalized Intersection Summary
53: Morena Boulevard & Taylor Street

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	520	510	30	20	220	90	0	10	40	260	20	450
Future Volume (veh/h)	520	510	30	20	220	90	0	10	40	260	20	450
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		1.00	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	0	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	547	537	21	21	232	63	0	11	0	289	0	274
Adj No. of Lanes	2	2	0	1	2	0	0	1	0	2	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	0	2	2	2	2	2
Cap, veh/h	457	1060	41	36	531	140	0	12	0	1013	0	653
Arrive On Green	0.13	0.31	0.31	0.02	0.19	0.19	0.00	0.01	0.00	0.29	0.00	0.29
Sat Flow, veh/h	3442	3468	135	1774	2749	727	0	1863	0	3548	0	1550
Grp Volume(v), veh/h	547	274	284	21	147	148	0	11	0	289	0	274
Grp Sat Flow(s),veh/h/ln	1721	1770	1833	1774	1770	1707	0	1863	0	1774	0	1550
Q Serve(g_s), s	6.6	6.3	6.3	0.6	3.6	3.8	0.0	0.3	0.0	3.2	0.0	6.2
Cycle Q Clear(g_c), s	6.6	6.3	6.3	0.6	3.6	3.8	0.0	0.3	0.0	3.2	0.0	6.2
Prop In Lane	1.00		0.07	1.00		0.43	0.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	457	541	560	36	342	330	0	12	0	1013	0	653
V/C Ratio(X)	1.20	0.51	0.51	0.58	0.43	0.45	0.00	0.91	0.00	0.29	0.00	0.42
Avail Cap(c_a), veh/h	457	904	936	143	811	783	0	247	0	2140	0	1145
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	21.6	14.2	14.2	24.2	17.7	17.7	0.0	24.7	0.0	13.8	0.0	10.2
Incr Delay (d2), s/veh	108.5	0.8	0.8	5.5	1.1	1.3	0.0	52.1	0.0	0.3	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.9	3.2	3.3	0.3	1.9	1.9	0.0	0.3	0.0	1.6	0.0	6.1
LnGrp Delay(d),s/veh	130.1	15.0	15.0	29.6	18.8	19.0	0.0	76.8	0.0	14.1	0.0	10.9
LnGrp LOS	F	B	B	C	B	B		E		B		B
Approach Vol, veh/h		1105			316			11			563	
Approach Delay, s/veh		72.0			19.6			76.8			12.5	
Approach LOS		E			B			E			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.4	20.1		19.5	11.0	14.5		4.7
Change Period (Y+Rc), s	4.4	4.9		5.3	4.4	4.9		4.4
Max Green Setting (Gmax), s	4.0	25.4		30.0	6.6	22.8		6.6
Max Q Clear Time (g_c+I1), s	2.6	8.3		8.2	8.6	5.8		2.3
Green Ext Time (p_c), s	0.0	3.3		3.6	0.0	1.9		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	53.0
HCM 2010 LOS	D

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	190	0	0	100	190
Future Volume (veh/h)	0	190	0	0	100	190
Number	7	4			1	16
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)	1.00				1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863			1863	1863
Adj Flow Rate, veh/h	0	200			105	168
Adj No. of Lanes	0	1			1	1
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	0	2			2	2
Cap, veh/h	0	605			0	0
Arrive On Green	0.00	0.32			0.00	0.00
Sat Flow, veh/h	0	1863			0	
Grp Volume(v), veh/h	0	200			0.0	
Grp Sat Flow(s),veh/h/ln	0	1863				
Q Serve(g_s), s	0.0	0.5				
Cycle Q Clear(g_c), s	0.0	0.5				
Prop In Lane	0.00					
Lane Grp Cap(c), veh/h	0	605				
V/C Ratio(X)	0.00	0.33				
Avail Cap(c_a), veh/h	0	6287				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	0.00	1.00				
Uniform Delay (d), s/veh	0.0	1.7				
Incr Delay (d2), s/veh	0.0	0.3				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	0.0	0.3				
LnGrp Delay(d),s/veh	0.0	2.0				
LnGrp LOS		A				
Approach Vol, veh/h		200				
Approach Delay, s/veh		2.0				
Approach LOS		A				

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4				
Phs Duration (G+Y+Rc), s				6.7				
Change Period (Y+Rc), s				4.5				
Max Green Setting (Gmax), s				22.5				
Max Q Clear Time (g_c+I1), s				2.5				
Green Ext Time (p_c), s				1.0				

Intersection Summary	
HCM 2010 Ctrl Delay	2.0
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
57: Bachman Place & Hotel Circle South

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	300	950	0	0	0	900
Future Volume (veh/h)	300	950	0	0	0	900
Number	2	12			3	18
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)		0.99			1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900			1863	1863
Adj Flow Rate, veh/h	316	905			0	852
Adj No. of Lanes	2	0			1	2
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	2	2			2	2
Cap, veh/h	1188	1047			0	0
Arrive On Green	0.67	0.67			0.00	0.00
Sat Flow, veh/h	1863	1560			0	
Grp Volume(v), veh/h	316	905			0.0	
Grp Sat Flow(s),veh/h/ln	1770	1560				
Q Serve(g_s), s	2.2	13.8				
Cycle Q Clear(g_c), s	2.2	13.8				
Prop In Lane		1.00				
Lane Grp Cap(c), veh/h	1188	1047				
V/C Ratio(X)	0.27	0.86				
Avail Cap(c_a), veh/h	1279	1128				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	1.00	1.00				
Uniform Delay (d), s/veh	2.0	3.9				
Incr Delay (d2), s/veh	0.2	7.0				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	1.0	7.6				
LnGrp Delay(d),s/veh	2.2	10.9				
LnGrp LOS	A	B				
Approach Vol, veh/h	1221					
Approach Delay, s/veh	8.7					
Approach LOS	A					

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		30.4						
Change Period (Y+Rc), s		10.0						
Max Green Setting (Gmax), s		22.0						
Max Q Clear Time (g_c+I1), s		15.8						
Green Ext Time (p_c), s		4.6						

Intersection Summary	
HCM 2010 Ctrl Delay	8.7
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
58: Mission Center Road & I-8 EB Ramp

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	840	0	370	0	0	0	0	530	270	990	530	0
Future Volume (veh/h)	840	0	370	0	0	0	0	530	270	990	530	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	884	0	0				0	558	0	1042	558	0
Adj No. of Lanes	2	1	0				0	2	1	2	1	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	1432	775	0				0	625	280	1038	545	0
Arrive On Green	0.42	0.00	0.00				0.00	0.06	0.00	0.29	0.29	0.00
Sat Flow, veh/h	3442	1863	0				0	3632	1583	3548	1863	0
Grp Volume(v), veh/h	884	0	0				0	558	0	1042	558	0
Grp Sat Flow(s),veh/h/ln	1721	1863	0				0	1770	1583	1774	1863	0
Q Serve(g_s), s	30.3	0.0	0.0				0.0	23.5	0.0	43.9	43.9	0.0
Cycle Q Clear(g_c), s	30.3	0.0	0.0				0.0	23.5	0.0	43.9	43.9	0.0
Prop In Lane	1.00		0.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1432	775	0				0	625	280	1038	545	0
V/C Ratio(X)	0.62	0.00	0.00				0.00	0.89	0.00	1.00	1.02	0.00
Avail Cap(c_a), veh/h	1432	775	0				0	873	391	1038	545	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	0.86	0.00	0.62	0.62	0.00
Uniform Delay (d), s/veh	34.4	0.0	0.0				0.0	69.2	0.0	53.1	53.0	0.0
Incr Delay (d2), s/veh	2.0	0.0	0.0				0.0	6.1	0.0	22.8	36.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.8	0.0	0.0				0.0	12.1	0.0	24.8	28.1	0.0
LnGrp Delay(d),s/veh	36.4	0.0	0.0				0.0	75.3	0.0	75.9	89.5	0.0
LnGrp LOS	D							E		F	F	
Approach Vol, veh/h		884						558			1600	
Approach Delay, s/veh		36.4						75.3			80.6	
Approach LOS		D						E			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		68.5		31.5				50.0
Change Period (Y+Rc), s		6.1		5.0				6.1
Max Green Setting (Gmax), s		51.9		37.0				43.9
Max Q Clear Time (g_c+I1), s		32.3		25.5				45.9
Green Ext Time (p_c), s		1.8		1.0				0.0

Intersection Summary	
HCM 2010 Ctrl Delay	66.8
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
59: Mission Center Road & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	330	360	20	10	190	430	30	40	30	525	30	345
Future Volume (veh/h)	330	360	20	10	190	430	30	40	30	525	30	345
Number	3	8	18	7	4	14	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.85	1.00		0.95	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1863	1900	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	245	521	10	11	200	453	32	42	32	576	0	363
Adj No. of Lanes	1	2	0	0	2	1	0	1	1	2	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	292	598	11	6	233	848	101	132	193	1701	0	727
Arrive On Green	0.16	0.16	0.16	0.07	0.07	0.07	0.13	0.13	0.13	0.48	0.00	0.48
Sat Flow, veh/h	1774	3640	70	97	3531	1343	788	1035	1509	3548	0	1517
Grp Volume(v), veh/h	245	266	265	211	0	453	74	0	32	576	0	363
Grp Sat Flow(s),veh/h/ln	1774	1863	1847	1858	1770	1343	1823	0	1509	1774	0	1517
Q Serve(g_s), s	20.1	20.9	21.0	9.9	0.0	9.9	5.5	0.0	2.8	15.1	0.0	24.6
Cycle Q Clear(g_c), s	20.1	20.9	21.0	9.9	0.0	9.9	5.5	0.0	2.8	15.1	0.0	24.6
Prop In Lane	1.00		0.04	0.05		1.00	0.43		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	292	306	304	123	117	848	233	0	193	1701	0	727
V/C Ratio(X)	0.84	0.87	0.87	1.72	0.00	0.53	0.32	0.00	0.17	0.34	0.00	0.50
Avail Cap(c_a), veh/h	377	396	393	123	117	848	233	0	193	1701	0	727
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	0.63	0.00	0.63
Uniform Delay (d), s/veh	60.8	61.1	61.1	70.1	0.0	17.8	59.5	0.0	58.3	24.3	0.0	26.7
Incr Delay (d2), s/veh	10.1	12.8	13.1	356.2	0.0	0.3	0.8	0.0	0.4	0.3	0.0	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.7	11.9	11.8	17.2	0.0	18.8	2.8	0.0	1.2	7.5	0.0	10.6
LnGrp Delay(d),s/veh	70.8	73.9	74.2	426.3	0.0	18.1	60.3	0.0	58.7	24.6	0.0	28.3
LnGrp LOS	E	E	E	F		B	E		E	C		C
Approach Vol, veh/h		776			664			106			939	
Approach Delay, s/veh		73.0			147.8			59.8			26.0	
Approach LOS		E			F			E			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		8
Phs Duration (G+Y+Rc), s		25.2		16.0		78.0		30.8
Change Period (Y+Rc), s		6.1		6.1		6.1		6.1
Max Green Setting (Gmax), s		11.9		9.9		71.9		31.9
Max Q Clear Time (g_c+I1), s		7.5		11.9		26.6		23.0
Green Ext Time (p_c), s		0.1		0.0		1.8		1.7

Intersection Summary	
HCM 2010 Ctrl Delay	74.7
HCM 2010 LOS	E

Notes

HCM 2010 Signalized Intersection Summary
60: Qualcomm Way & I-8 EB Ramp



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	450	0	1255	1580	515
Future Volume (veh/h)	0	450	0	1255	1580	515
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	1863	1863	1863
Adj Flow Rate, veh/h	0	279	0	1321	1663	258
Adj No. of Lanes	1	2	0	2	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	0	2	2	2
Cap, veh/h	206	323	0	2870	2870	1242
Arrive On Green	0.00	0.12	0.00	1.00	0.81	0.81
Sat Flow, veh/h	1774	2787	0	3725	3632	1532
Grp Volume(v), veh/h	0	279	0	1321	1663	258
Grp Sat Flow(s),veh/h/ln	1774	1393	0	1770	1770	1532
Q Serve(g_s), s	0.0	14.3	0.0	0.0	24.3	5.6
Cycle Q Clear(g_c), s	0.0	14.3	0.0	0.0	24.3	5.6
Prop In Lane	1.00	1.00	0.00			1.00
Lane Grp Cap(c), veh/h	206	323	0	2870	2870	1242
V/C Ratio(X)	0.00	0.86	0.00	0.46	0.58	0.21
Avail Cap(c_a), veh/h	422	663	0	2870	2870	1242
HCM Platoon Ratio	1.00	1.00	1.00	2.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	0.00	0.11	0.09	0.09
Uniform Delay (d), s/veh	0.0	63.0	0.0	0.0	4.9	3.1
Incr Delay (d2), s/veh	0.0	2.7	0.0	0.1	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	5.6	0.0	0.0	11.6	2.3
LnGrp Delay(d),s/veh	0.0	65.6	0.0	0.1	5.0	3.2
LnGrp LOS		E		A	A	A
Approach Vol, veh/h	279			1321	1921	
Approach Delay, s/veh	65.6			0.1	4.7	
Approach LOS	E			A	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		122.7		22.3		122.7		
Change Period (Y+Rc), s		5.1		5.5		5.1		
Max Green Setting (Gmax), s		99.9		34.5		99.9		
Max Q Clear Time (g_c+I1), s		2.0		16.3		26.3		
Green Ext Time (p_c), s		7.2		0.6		8.9		

Intersection Summary	
HCM 2010 Ctrl Delay	7.8
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
61: Texas Street/Qualcomm Way & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	290	220	270	220	80	620	90	820	170	320	1290	420
Future Volume (veh/h)	290	220	270	220	80	620	90	820	170	320	1290	420
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	1.00		0.94	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	305	232	210	232	84	453	95	863	147	337	1358	368
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	328	344	379	297	312	602	111	824	140	391	1596	683
Arrive On Green	0.18	0.18	0.18	0.17	0.17	0.17	0.06	0.28	0.28	0.44	0.90	0.90
Sat Flow, veh/h	1774	1863	1512	1774	1863	1507	1774	2996	510	1774	3539	1516
Grp Volume(v), veh/h	305	232	210	232	84	453	95	510	500	337	1358	368
Grp Sat Flow(s),veh/h/ln	1774	1863	1512	1774	1863	1507	1774	1770	1736	1774	1770	1516
Q Serve(g_s), s	24.5	16.8	17.6	18.2	5.7	3.8	7.7	39.9	39.9	24.8	23.5	6.7
Cycle Q Clear(g_c), s	24.5	16.8	17.6	18.2	5.7	3.8	7.7	39.9	39.9	24.8	23.5	6.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.29	1.00		1.00
Lane Grp Cap(c), veh/h	328	344	379	297	312	602	111	487	478	391	1596	683
V/C Ratio(X)	0.93	0.67	0.55	0.78	0.27	0.75	0.85	1.05	1.05	0.86	0.85	0.54
Avail Cap(c_a), veh/h	330	347	381	367	385	661	111	487	478	391	1596	683
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.67	0.67	0.67
Uniform Delay (d), s/veh	58.2	55.0	47.7	57.8	52.6	38.0	67.3	52.6	52.6	38.5	5.1	4.2
Incr Delay (d2), s/veh	31.8	5.0	1.7	6.5	0.2	3.7	42.0	53.6	54.0	12.0	4.1	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.9	9.1	7.5	9.4	3.0	15.6	5.1	26.7	26.3	13.4	10.9	2.9
LnGrp Delay(d),s/veh	90.0	60.0	49.4	64.3	52.8	41.7	109.3	106.1	106.5	50.5	9.2	6.3
LnGrp LOS	F	E	D	E	D	D	F	F	F	D	A	A
Approach Vol, veh/h		747			769			1105			2063	
Approach Delay, s/veh		69.3			49.7			106.6			15.4	
Approach LOS		E			D			F			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	36.9	46.9		31.7	13.5	70.3		29.5
Change Period (Y+Rc), s	4.9	* 7		4.9	4.4	4.9		5.2
Max Green Setting (Gmax), s	26.6	* 40		27.0	9.1	59.5		30.0
Max Q Clear Time (g_c+I1), s	26.8	41.9		26.5	9.7	25.5		20.2
Green Ext Time (p_c), s	0.0	0.0		0.2	0.0	18.3		1.3

Intersection Summary	
HCM 2010 Ctrl Delay	51.1
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
62: Camino Del Rio South & Fenton Parkway



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	250	580	320	400	650	280
Future Volume (veh/h)	250	580	320	400	650	280
Number	5	2	6	16	7	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.96	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	263	611	337	43	684	170
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	304	871	430	999	727	649
Arrive On Green	0.17	0.47	0.23	0.23	0.41	0.41
Sat Flow, veh/h	1774	1863	1863	1515	1774	1583
Grp Volume(v), veh/h	263	611	337	43	684	170
Grp Sat Flow(s),veh/h/ln	1774	1863	1863	1515	1774	1583
Q Serve(g_s), s	11.1	20.0	13.0	0.0	28.4	5.4
Cycle Q Clear(g_c), s	11.1	20.0	13.0	0.0	28.4	5.4
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	304	871	430	999	727	649
V/C Ratio(X)	0.87	0.70	0.78	0.04	0.94	0.26
Avail Cap(c_a), veh/h	370	1068	573	1115	846	755
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	30.9	16.2	27.7	2.2	21.7	15.0
Incr Delay (d2), s/veh	14.4	1.7	5.5	0.0	15.9	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.6	10.6	7.3	0.9	17.1	5.7
LnGrp Delay(d),s/veh	45.4	17.9	33.2	2.2	37.6	15.0
LnGrp LOS	D	B	C	A	D	B
Approach Vol, veh/h		874	380		854	
Approach Delay, s/veh		26.2	29.7		33.1	
Approach LOS		C	C		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		40.9		35.9	18.1	22.7		
Change Period (Y+Rc), s		5.0		4.4	5.0	* 5		
Max Green Setting (Gmax), s		44.0		36.6	16.0	* 24		
Max Q Clear Time (g_c+I1), s		22.0		30.4	13.1	15.0		
Green Ext Time (p_c), s		4.7		1.1	0.1	1.4		

Intersection Summary	
HCM 2010 Ctrl Delay	29.6
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
63: I-15 SB Ramps & Camino Del Rio South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1750	20	40	290	0	20	0	40	290	0	160
Future Volume (veh/h)	0	1750	20	40	290	0	20	0	40	290	0	160
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.94	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1900	1863	1863	0	1900	1863	1900	1863	0	1863
Adj Flow Rate, veh/h	0	1842	10	42	305	0	21	0	40	305	0	-32
Adj No. of Lanes	0	2	0	1	1	0	0	1	0	1	0	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0	2	2	2	2	0	2
Cap, veh/h	0	2260	12	78	1399	0	31	0	58	0	0	0
Arrive On Green	0.00	0.63	0.63	0.04	0.75	0.00	0.06	0.00	0.06	0.00	0.00	0.00
Sat Flow, veh/h	0	3702	20	1774	1863	0	542	0	1032		0	
Grp Volume(v), veh/h	0	902	950	42	305	0	61	0	0		0.0	
Grp Sat Flow(s),veh/h/ln	0	1770	1859	1774	1863	0	1573	0	0			
Q Serve(g_s), s	0.0	20.2	20.3	1.2	2.5	0.0	2.0	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	20.2	20.3	1.2	2.5	0.0	2.0	0.0	0.0			
Prop In Lane	0.00		0.01	1.00		0.00	0.34		0.66			
Lane Grp Cap(c), veh/h	0	1108	1164	78	1399	0	89	0	0			
V/C Ratio(X)	0.00	0.81	0.82	0.54	0.22	0.00	0.69	0.00	0.00			
Avail Cap(c_a), veh/h	0	1794	1884	174	2222	0	155	0	0			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	7.4	7.4	24.3	1.9	0.0	24.0	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.6	0.6	2.2	0.0	0.0	3.5	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	9.7	10.2	0.6	1.3	0.0	0.9	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	8.0	8.0	26.5	2.0	0.0	27.5	0.0	0.0			
LnGrp LOS		A	A	C	A		C					
Approach Vol, veh/h		1852			347			61				
Approach Delay, s/veh		8.0			4.9			27.5				
Approach LOS		A			A			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	6.5	38.0				44.5		7.4
Change Period (Y+Rc), s	* 4.2	5.5				5.5		4.5
Max Green Setting (Gmax), s	* 5.1	52.6				61.9		5.1
Max Q Clear Time (g_c+I1), s	3.2	22.3				4.5		4.0
Green Ext Time (p_c), s	0.0	10.2				1.0		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	8.1
HCM 2010 LOS	A

Notes

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	1420	660	100	330	0	0
Future Volume (veh/h)	1420	660	100	330	0	0
Number	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863		
Adj Flow Rate, veh/h	1495	0	105	347		
Adj No. of Lanes	2	0	1	2		
Peak Hour Factor	0.95	0.95	0.95	0.95		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	2176	0	166	2954		
Arrive On Green	0.61	0.00	0.09	0.83		
Sat Flow, veh/h	3725	0	1774	3632		
Grp Volume(v), veh/h	1495	0	105	347		
Grp Sat Flow(s),veh/h/ln	1770	0	1774	1770		
Q Serve(g_s), s	9.4	0.0	1.9	0.6		
Cycle Q Clear(g_c), s	9.4	0.0	1.9	0.6		
Prop In Lane		0.00	1.00			
Lane Grp Cap(c), veh/h	2176	0	166	2954		
V/C Ratio(X)	0.69	0.00	0.63	0.12		
Avail Cap(c_a), veh/h	8359	0	630	10063		
HCM Platoon Ratio	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	0.00	1.00	1.00		
Uniform Delay (d), s/veh	4.3	0.0	14.5	0.5		
Incr Delay (d2), s/veh	0.1	0.0	1.5	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	4.4	0.0	1.0	0.2		
LnGrp Delay(d),s/veh	4.4	0.0	16.0	0.5		
LnGrp LOS	A		B	A		
Approach Vol, veh/h	1495			452		
Approach Delay, s/veh	4.4			4.1		
Approach LOS	A			A		

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		
Phs Duration (G+Y+Rc), s	7.3	25.9				33.2		
Change Period (Y+Rc), s	* 4.2	5.5				5.5		
Max Green Setting (Gmax), s	* 12	78.5				94.5		
Max Q Clear Time (g_c+I1), s	3.9	11.4				2.6		
Green Ext Time (p_c), s	0.0	8.9				1.4		

Intersection Summary	
HCM 2010 Ctrl Delay	4.3
HCM 2010 LOS	A

Notes

HCM 2010 Signalized Intersection Summary
65: I-15 NB Ramps & Camino Del Rio South

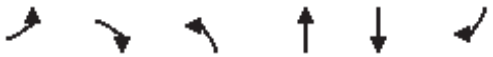
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	450	970	0	0	230	80	200	0	90	0	0	0
Future Volume (veh/h)	450	970	0	0	230	80	200	0	90	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.94	1.00		0.96			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	1863	1863	1900			
Adj Flow Rate, veh/h	474	1021	0	0	242	32	211	0	95			
Adj No. of Lanes	1	2	0	0	1	1	1	1	0			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	508	1967	0	0	331	266	248	0	212			
Arrive On Green	0.29	0.56	0.00	0.00	0.18	0.18	0.14	0.00	0.14			
Sat Flow, veh/h	1774	3632	0	0	1863	1494	1774	0	1515			
Grp Volume(v), veh/h	474	1021	0	0	242	32	211	0	95			
Grp Sat Flow(s),veh/h/ln	1774	1770	0	0	1863	1494	1774	0	1515			
Q Serve(g_s), s	20.5	14.2	0.0	0.0	9.7	1.4	9.1	0.0	4.5			
Cycle Q Clear(g_c), s	20.5	14.2	0.0	0.0	9.7	1.4	9.1	0.0	4.5			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	508	1967	0	0	331	266	248	0	212			
V/C Ratio(X)	0.93	0.52	0.00	0.00	0.73	0.12	0.85	0.00	0.45			
Avail Cap(c_a), veh/h	565	2471	0	0	537	431	248	0	212			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	27.4	10.9	0.0	0.0	30.6	27.2	33.1	0.0	31.1			
Incr Delay (d2), s/veh	20.5	0.1	0.0	0.0	1.2	0.1	22.7	0.0	0.6			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	12.9	6.8	0.0	0.0	5.1	0.6	6.0	0.0	1.9			
LnGrp Delay(d),s/veh	47.9	11.0	0.0	0.0	31.8	27.3	55.7	0.0	31.7			
LnGrp LOS	D	B			C	C	E		C			
Approach Vol, veh/h		1495			274			306				
Approach Delay, s/veh		22.7			31.3			48.3				
Approach LOS		C			C			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		55.8		23.0	29.8	26.0		
Change Period (Y+Rc), s		12.0		12.0	* 7.2	12.0		
Max Green Setting (Gmax), s		55.0		11.0	* 25	22.7		
Max Q Clear Time (g_c+I1), s		16.2		11.1	22.5	11.7		
Green Ext Time (p_c), s		4.8		0.0	0.1	0.6		

Intersection Summary	
HCM 2010 Ctrl Delay	27.6
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
66: Mission Gorge Road & I-8 EB Off Ramps



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	950	2150	90	650	1540	0
Future Volume (veh/h)	950	2150	90	650	1540	0
Number	1	16	3	8	4	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	1000	1221	95	684	1621	0
Adj No. of Lanes	2	3	1	2	3	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	0
Cap, veh/h	1198	1256	121	1958	2171	0
Arrive On Green	0.35	0.35	0.07	0.55	0.43	0.00
Sat Flow, veh/h	3442	3610	1774	3632	5421	0
Grp Volume(v), veh/h	1000	1221	95	684	1621	0
Grp Sat Flow(s),veh/h/ln	1721	1203	1774	1770	1695	0
Q Serve(g_s), s	21.6	27.0	4.3	8.7	21.7	0.0
Cycle Q Clear(g_c), s	21.6	27.0	4.3	8.7	21.7	0.0
Prop In Lane	1.00	1.00	1.00			0.00
Lane Grp Cap(c), veh/h	1198	1256	121	1958	2171	0
V/C Ratio(X)	0.83	0.97	0.78	0.35	0.75	0.00
Avail Cap(c_a), veh/h	1198	1256	134	2350	2699	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	24.3	26.0	37.2	10.0	19.5	0.0
Incr Delay (d2), s/veh	5.3	18.9	20.9	0.1	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.2	11.1	2.8	4.2	10.2	0.0
LnGrp Delay(d),s/veh	29.5	45.0	58.0	10.1	20.4	0.0
LnGrp LOS	C	D	E	B	C	
Approach Vol, veh/h	2221			779	1621	
Approach Delay, s/veh	38.0			16.0	20.4	
Approach LOS	D			B	C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs			3	4		6		8
Phs Duration (G+Y+Rc), s			10.2	38.6		32.2		48.8
Change Period (Y+Rc), s			* 4.7	4.0		4.0		4.0
Max Green Setting (Gmax), s			* 6.1	43.0		28.2		53.8
Max Q Clear Time (g_c+I1), s			6.3	23.7		29.0		10.7
Green Ext Time (p_c), s			0.0	10.9		0.0		4.6

Intersection Summary	
HCM 2010 Ctrl Delay	28.1
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
67: Texas Street & Madison Avenue

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	90	60	80	70	290	150	570	160	210	1360	210
Future Volume (veh/h)	220	90	60	80	70	290	150	570	160	210	1360	210
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	232	95	31	84	74	137	158	600	94	221	1432	158
Adj No. of Lanes	1	1	1	1	1	1	1	1	1	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	256	269	219	206	216	174	171	860	716	245	1617	177
Arrive On Green	0.14	0.14	0.14	0.12	0.12	0.12	0.10	0.46	0.46	0.14	0.50	0.50
Sat Flow, veh/h	1774	1863	1518	1774	1863	1502	1774	1863	1549	1774	3211	351
Grp Volume(v), veh/h	232	95	31	84	74	137	158	600	94	221	784	806
Grp Sat Flow(s),veh/h/ln	1774	1863	1518	1774	1863	1502	1774	1863	1549	1774	1770	1792
Q Serve(g_s), s	17.6	6.3	2.4	6.0	5.0	12.2	12.1	35.0	4.8	16.8	54.1	55.6
Cycle Q Clear(g_c), s	17.6	6.3	2.4	6.0	5.0	12.2	12.1	35.0	4.8	16.8	54.1	55.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.20
Lane Grp Cap(c), veh/h	256	269	219	206	216	174	171	860	716	245	891	903
V/C Ratio(X)	0.91	0.35	0.14	0.41	0.34	0.79	0.92	0.70	0.13	0.90	0.88	0.89
Avail Cap(c_a), veh/h	263	276	225	247	260	209	171	866	720	295	947	959
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	57.7	52.8	51.2	56.2	55.7	58.9	61.4	29.3	21.1	58.1	30.3	30.7
Incr Delay (d2), s/veh	30.6	0.3	0.1	0.5	0.3	12.2	46.7	2.7	0.1	23.7	9.5	10.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.8	3.3	1.0	3.0	2.6	5.7	8.1	18.6	2.1	9.8	28.7	30.0
LnGrp Delay(d),s/veh	88.3	53.1	51.3	56.7	56.1	71.1	108.1	31.9	21.2	81.8	39.8	41.3
LnGrp LOS	F	D	D	E	E	E	F	C	C	F	D	D
Approach Vol, veh/h		358			295			852			1811	
Approach Delay, s/veh		75.7			63.2			44.9			45.6	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	23.3	68.2		24.7	17.6	73.9		20.8
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	22.8	63.7		20.3	13.2	73.3		19.1
Max Q Clear Time (g_c+I1), s	18.8	37.0		19.6	14.1	57.6		14.2
Green Ext Time (p_c), s	0.1	5.9		0.1	0.0	11.4		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	50.2
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
68: Franklin Ridge Road & Phyllis Place

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	160	60	1500	110	50	1280
Future Volume (veh/h)	160	60	1500	110	50	1280
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.93	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863	1863	1863
Adj Flow Rate, veh/h	168	42	1579	116	53	926
Adj No. of Lanes	2	0	2	1	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	377	91	1803	1325	329	1977
Arrive On Green	0.14	0.14	0.52	0.71	0.19	0.19
Sat Flow, veh/h	2875	669	3442	1863	1774	2787
Grp Volume(v), veh/h	104	106	1579	116	53	926
Grp Sat Flow(s),veh/h/ln	1770	1682	1721	1863	1774	1393
Q Serve(g_s), s	4.7	5.0	35.1	1.7	2.2	12.6
Cycle Q Clear(g_c), s	4.7	5.0	35.1	1.7	2.2	12.6
Prop In Lane		0.40	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	240	228	1803	1325	329	1977
V/C Ratio(X)	0.44	0.46	0.88	0.09	0.16	0.47
Avail Cap(c_a), veh/h	366	348	2791	1993	367	2037
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.5	34.7	18.2	3.9	29.7	5.5
Incr Delay (d2), s/veh	1.2	1.5	2.2	0.0	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.4	2.4	17.0	0.8	1.1	4.8
LnGrp Delay(d),s/veh	35.8	36.1	20.4	3.9	30.0	5.7
LnGrp LOS	D	D	C	A	C	A
Approach Vol, veh/h	210			1695	979	
Approach Delay, s/veh	36.0			19.2	7.0	
Approach LOS	D			B	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		20.6	50.0	16.3				66.3
Change Period (Y+Rc), s		4.5	4.5	4.5				4.5
Max Green Setting (Gmax), s		18.0	70.5	18.0				93.0
Max Q Clear Time (g_c+I1), s		14.6	37.1	7.0				3.7
Green Ext Time (p_c), s		1.5	8.5	0.8				0.7

Intersection Summary	
HCM 2010 Ctrl Delay	16.3
HCM 2010 LOS	B

HCM 2010 Signalized Intersection Summary
69: Franklin Ridge Road & Via Alta

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	470	20	80	10	20	10	85	850	40	20	890	570
Future Volume (veh/h)	470	20	80	10	20	10	85	850	40	20	890	570
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.98	0.99		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	495	21	63	11	21	6	89	895	31	21	937	453
Adj No. of Lanes	1	1	0	0	1	0	1	1	0	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	516	137	410	174	322	87	93	978	34	29	951	792
Arrive On Green	0.34	0.34	0.34	0.34	0.34	0.34	0.05	0.55	0.55	0.02	0.51	0.51
Sat Flow, veh/h	1357	406	1217	415	957	257	1774	1789	62	1774	1863	1552
Grp Volume(v), veh/h	495	0	84	38	0	0	89	0	926	21	937	453
Grp Sat Flow(s),veh/h/ln	1357	0	1622	1629	0	0	1774	0	1850	1774	1863	1552
Q Serve(g_s), s	43.6	0.0	4.9	0.0	0.0	0.0	6.8	0.0	61.3	1.6	66.9	27.2
Cycle Q Clear(g_c), s	45.5	0.0	4.9	1.9	0.0	0.0	6.8	0.0	61.3	1.6	66.9	27.2
Prop In Lane	1.00		0.75	0.29		0.16	1.00		0.03	1.00		1.00
Lane Grp Cap(c), veh/h	516	0	547	584	0	0	93	0	1012	29	951	792
V/C Ratio(X)	0.96	0.00	0.15	0.07	0.00	0.00	0.95	0.00	0.92	0.73	0.99	0.57
Avail Cap(c_a), veh/h	516	0	547	584	0	0	93	0	1012	85	951	792
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	46.0	0.0	31.3	30.3	0.0	0.0	63.8	0.0	27.7	66.1	32.6	22.9
Incr Delay (d2), s/veh	29.4	0.0	0.1	0.0	0.0	0.0	77.9	0.0	12.5	29.9	25.6	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	22.6	0.0	2.2	1.0	0.0	0.0	5.3	0.0	34.6	1.0	40.9	11.8
LnGrp Delay(d),s/veh	75.4	0.0	31.4	30.4	0.0	0.0	141.7	0.0	40.3	96.0	58.2	23.8
LnGrp LOS	E		C	C			F		D	F	E	C
Approach Vol, veh/h		579			38			1015			1411	
Approach Delay, s/veh		69.0			30.4			49.2			47.7	
Approach LOS		E			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.7	78.3		50.0	11.6	73.4		50.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	6.5	69.5		45.5	7.1	68.9		45.5
Max Q Clear Time (g_c+I1), s	3.6	63.3		47.5	8.8	68.9		3.9
Green Ext Time (p_c), s	0.0	3.4		0.0	0.0	0.0		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	52.0
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
70: Qualcomm Way & Civita Boulevard

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	375	310	640	360	575	665
Future Volume (veh/h)	375	310	640	360	575	665
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		0.93	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	395	179	674	379	605	489
Adj No. of Lanes	2	1	2	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	531	222	783	864	1252	936
Arrive On Green	0.15	0.15	0.23	0.46	0.36	0.36
Sat Flow, veh/h	3632	1478	3442	1863	3442	1583
Grp Volume(v), veh/h	395	179	674	379	605	489
Grp Sat Flow(s),veh/h/ln	1770	1478	1721	1863	1721	1583
Q Serve(g_s), s	11.7	12.9	20.7	15.1	14.9	0.0
Cycle Q Clear(g_c), s	11.7	12.9	20.7	15.1	14.9	0.0
Prop In Lane		1.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	531	222	783	864	1252	936
V/C Ratio(X)	0.74	0.81	0.86	0.44	0.48	0.52
Avail Cap(c_a), veh/h	660	275	1173	1058	1252	936
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.58	0.58	0.76	0.76
Uniform Delay (d), s/veh	44.7	45.2	40.8	19.9	27.0	13.3
Incr Delay (d2), s/veh	3.6	13.4	2.7	0.2	1.0	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.0	6.1	10.1	7.7	7.2	9.0
LnGrp Delay(d),s/veh	48.3	58.6	43.5	20.1	28.0	14.9
LnGrp LOS	D	E	D	C	C	B
Approach Vol, veh/h	574			1053	1094	
Approach Delay, s/veh	51.5			35.1	22.2	
Approach LOS	D			D	C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		49.5	34.5	26.0				60.5
Change Period (Y+Rc), s		9.5	9.5	* 9.5				9.5
Max Green Setting (Gmax), s		28.5	37.5	* 21				62.5
Max Q Clear Time (g_c+I1), s		16.9	22.7	14.9				17.1
Green Ext Time (p_c), s		3.3	2.3	1.6				2.6

Intersection Summary	
HCM 2010 Ctrl Delay	33.3
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
71: Franklin Ridge Road & Civita Boulevard

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	915	125	110	80	120	890
Future Volume (veh/h)	915	125	110	80	120	890
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	963	100	116	84	261	216
Adj No. of Lanes	1	1	1	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	1008	900	146	600	345	277
Arrive On Green	0.57	0.57	0.08	0.32	0.19	0.19
Sat Flow, veh/h	1774	1583	1774	1863	1863	1498
Grp Volume(v), veh/h	963	100	116	84	261	216
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1863	1863	1498
Q Serve(g_s), s	42.1	2.4	5.3	2.6	10.9	11.3
Cycle Q Clear(g_c), s	42.1	2.4	5.3	2.6	10.9	11.3
Prop In Lane	1.00	1.00	1.00			1.00
Lane Grp Cap(c), veh/h	1008	900	146	600	345	277
V/C Ratio(X)	0.96	0.11	0.79	0.14	0.76	0.78
Avail Cap(c_a), veh/h	1091	974	151	692	431	347
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.7	8.2	37.0	19.8	31.7	31.9
Incr Delay (d2), s/veh	16.9	0.1	24.0	0.1	5.9	8.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	25.1	3.3	3.6	1.4	6.1	5.3
LnGrp Delay(d),s/veh	33.7	8.2	61.0	19.9	37.6	40.5
LnGrp LOS	C	A	E	B	D	D
Approach Vol, veh/h	1063			200	477	
Approach Delay, s/veh	31.3			43.7	38.9	
Approach LOS	C			D	D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		30.9		51.2	11.3	19.7		
Change Period (Y+Rc), s		4.5		4.5	4.5	4.5		
Max Green Setting (Gmax), s		30.5		50.5	7.0	19.0		
Max Q Clear Time (g_c+I1), s		4.6		44.1	7.3	13.3		
Green Ext Time (p_c), s		0.4		2.6	0.0	1.2		

Intersection Summary	
HCM 2010 Ctrl Delay	34.8
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
72: Fenton Parkway & Street "I"



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	280	320	430	80	120	380
Future Volume (veh/h)	280	320	430	80	120	380
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.96	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	295	14	453	39	126	400
Adj No. of Lanes	1	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	389	347	927	79	243	1910
Arrive On Green	0.22	0.22	0.28	0.28	0.14	0.54
Sat Flow, veh/h	1774	1583	3382	282	1774	3632
Grp Volume(v), veh/h	295	14	243	249	126	400
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1801	1774	1770
Q Serve(g_s), s	5.8	0.3	4.3	4.3	2.5	2.2
Cycle Q Clear(g_c), s	5.8	0.3	4.3	4.3	2.5	2.2
Prop In Lane	1.00	1.00		0.16	1.00	
Lane Grp Cap(c), veh/h	389	347	499	508	243	1910
V/C Ratio(X)	0.76	0.04	0.49	0.49	0.52	0.21
Avail Cap(c_a), veh/h	866	773	878	894	466	3114
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.6	11.5	11.1	11.2	14.9	4.5
Incr Delay (d2), s/veh	3.1	0.0	0.7	0.7	1.7	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	0.1	2.1	2.2	1.3	1.1
LnGrp Delay(d),s/veh	16.7	11.5	11.9	11.9	16.7	4.5
LnGrp LOS	B	B	B	B	B	A
Approach Vol, veh/h	309		492			526
Approach Delay, s/veh	16.5		11.9			7.4
Approach LOS	B		B			A

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	9.6	15.0				24.6		12.7
Change Period (Y+Rc), s	4.5	4.5				4.5		4.5
Max Green Setting (Gmax), s	9.8	18.5				32.8		18.2
Max Q Clear Time (g_c+I1), s	4.5	6.3				4.2		7.8
Green Ext Time (p_c), s	0.1	2.5				2.9		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	11.2
HCM 2010 LOS	B

HCM 2010 Signalized Intersection Summary
73: Via Las Cumbres & Riverwalk Drive



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	150	80	1020	120	130	980
Future Volume (veh/h)	150	80	1020	120	130	980
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.97	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	158	52	1074	105	137	1032
Adj No. of Lanes	1	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	232	207	1258	123	209	2101
Arrive On Green	0.13	0.13	0.39	0.39	0.12	0.59
Sat Flow, veh/h	1774	1583	3342	317	1774	3632
Grp Volume(v), veh/h	158	52	585	594	137	1032
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1797	1774	1770
Q Serve(g_s), s	4.3	1.5	15.4	15.4	3.7	8.5
Cycle Q Clear(g_c), s	4.3	1.5	15.4	15.4	3.7	8.5
Prop In Lane	1.00	1.00		0.18	1.00	
Lane Grp Cap(c), veh/h	232	207	685	696	209	2101
V/C Ratio(X)	0.68	0.25	0.85	0.85	0.66	0.49
Avail Cap(c_a), veh/h	632	564	728	739	262	2641
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.1	19.8	14.2	14.3	21.4	5.9
Incr Delay (d2), s/veh	3.5	0.6	9.3	9.2	4.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	0.7	9.2	9.4	2.1	4.1
LnGrp Delay(d),s/veh	24.6	20.5	23.5	23.5	25.4	6.1
LnGrp LOS	C	C	C	C	C	A
Approach Vol, veh/h	210		1179			1169
Approach Delay, s/veh	23.6		23.5			8.4
Approach LOS	C		C			A

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	10.5	29.2				39.6		11.1
Change Period (Y+Rc), s	4.5	9.5				* 9.5		4.5
Max Green Setting (Gmax), s	7.5	20.9				* 38		18.1
Max Q Clear Time (g_c+I1), s	5.7	17.4				10.5		6.3
Green Ext Time (p_c), s	0.1	2.3				8.2		0.5

Intersection Summary	
HCM 2010 Ctrl Delay	16.6
HCM 2010 LOS	B

Notes

HCM 2010 Signalized Intersection Summary
74: Fashion Valley Road & Riverwalk Drive/Avenida Del Rio

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	190	130	150	520	190	190	320	410	100	300	160
Future Volume (veh/h)	140	190	130	150	520	190	190	320	410	100	300	160
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	147	200	74	158	547	105	200	337	295	105	316	84
Adj No. of Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	138	387	143	138	454	87	138	519	444	133	796	208
Arrive On Green	0.08	0.30	0.30	0.08	0.30	0.30	0.03	0.10	0.10	0.07	0.29	0.29
Sat Flow, veh/h	1774	1290	477	1774	1514	291	1774	1778	1522	1774	2756	719
Grp Volume(v), veh/h	147	0	274	158	0	652	200	335	297	105	201	199
Grp Sat Flow(s),veh/h/ln	1774	0	1767	1774	0	1804	1774	1770	1531	1774	1770	1706
Q Serve(g_s), s	7.0	0.0	11.6	7.0	0.0	27.0	7.0	16.4	16.8	5.2	8.2	8.5
Cycle Q Clear(g_c), s	7.0	0.0	11.6	7.0	0.0	27.0	7.0	16.4	16.8	5.2	8.2	8.5
Prop In Lane	1.00		0.27	1.00		0.16	1.00		0.99	1.00		0.42
Lane Grp Cap(c), veh/h	138	0	530	138	0	541	138	516	447	133	511	493
V/C Ratio(X)	1.07	0.00	0.52	1.15	0.00	1.20	1.45	0.65	0.66	0.79	0.39	0.40
Avail Cap(c_a), veh/h	138	0	530	138	0	541	138	516	447	171	511	493
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.93	0.93	0.93	0.27	0.27	0.27
Uniform Delay (d), s/veh	41.5	0.0	26.1	41.5	0.0	31.5	43.8	36.2	36.4	40.9	25.7	25.8
Incr Delay (d2), s/veh	95.1	0.0	0.9	120.9	0.0	108.6	235.9	5.8	7.1	5.1	0.6	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.1	0.0	5.8	8.0	0.0	29.7	12.5	8.9	8.0	2.8	4.1	4.1
LnGrp Delay(d),s/veh	136.7	0.0	27.0	162.4	0.0	140.1	279.7	42.0	43.5	46.1	26.3	26.4
LnGrp LOS	F		C	F		F	F	D	D	D	C	C
Approach Vol, veh/h		421			810			832			505	
Approach Delay, s/veh		65.3			144.4			99.7			30.5	
Approach LOS		E			F			F			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.2	35.8	11.5	31.5	11.5	35.5	11.5	31.5
Change Period (Y+Rc), s	4.5	9.5	4.5	4.5	4.5	9.5	4.5	4.5
Max Green Setting (Gmax), s	8.7	24.3	7.0	27.0	7.0	26.0	7.0	27.0
Max Q Clear Time (g_c+I1), s	7.2	18.8	9.0	13.6	9.0	10.5	9.0	29.0
Green Ext Time (p_c), s	0.0	1.9	0.0	1.4	0.0	2.0	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	95.0
HCM 2010 LOS	F

Notes

HCM 2010 Signalized Intersection Summary
75: Avenida Del Rio & Harzard Center Drive & Fashion Valley Mall

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	260	290	240	460	50	200	350	230	70	240	90
Future Volume (veh/h)	50	260	290	240	460	50	200	350	230	70	240	90
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	53	274	210	253	484	42	211	368	147	74	253	84
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	90	293	225	282	692	60	242	400	160	101	316	105
Arrive On Green	0.05	0.30	0.30	0.16	0.41	0.41	0.14	0.32	0.32	0.06	0.24	0.24
Sat Flow, veh/h	1774	970	744	1774	1686	146	1774	1254	501	1774	1323	439
Grp Volume(v), veh/h	53	0	484	253	0	526	211	0	515	74	0	337
Grp Sat Flow(s),veh/h/ln	1774	0	1714	1774	0	1833	1774	0	1755	1774	0	1763
Q Serve(g_s), s	3.2	0.0	30.3	15.4	0.0	26.2	12.9	0.0	31.2	4.5	0.0	19.8
Cycle Q Clear(g_c), s	3.2	0.0	30.3	15.4	0.0	26.2	12.9	0.0	31.2	4.5	0.0	19.8
Prop In Lane	1.00		0.43	1.00		0.08	1.00		0.29	1.00		0.25
Lane Grp Cap(c), veh/h	90	0	518	282	0	752	242	0	559	101	0	421
V/C Ratio(X)	0.59	0.00	0.93	0.90	0.00	0.70	0.87	0.00	0.92	0.73	0.00	0.80
Avail Cap(c_a), veh/h	114	0	556	304	0	791	301	0	640	114	0	457
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	51.2	0.0	37.4	45.5	0.0	26.9	46.7	0.0	36.2	51.2	0.0	39.5
Incr Delay (d2), s/veh	5.9	0.0	22.4	26.2	0.0	2.6	20.0	0.0	17.5	19.0	0.0	9.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	0.0	17.5	9.6	0.0	13.7	7.7	0.0	17.9	2.8	0.0	10.7
LnGrp Delay(d),s/veh	57.1	0.0	59.8	71.7	0.0	29.5	66.7	0.0	53.7	70.2	0.0	48.6
LnGrp LOS	E		E	E		C	E		D	E		D
Approach Vol, veh/h		537			779			726			411	
Approach Delay, s/veh		59.5			43.2			57.5			52.5	
Approach LOS		E			D			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.8	39.6	22.0	37.8	19.5	30.9	10.1	49.8
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Max Green Setting (Gmax), s	7.1	40.2	18.9	35.8	18.7	28.6	7.1	47.6
Max Q Clear Time (g_c+I1), s	6.5	33.2	17.4	32.3	14.9	21.8	5.2	28.2
Green Ext Time (p_c), s	0.0	1.9	0.1	1.1	0.2	1.1	0.0	3.4

Intersection Summary	
HCM 2010 Ctrl Delay	52.5
HCM 2010 LOS	D

HCM 2010 Signalized Intersection Summary
76: Via Las Cumbres & Levi Cushman Street "B"



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	290	180	960	50	120	1010
Future Volume (veh/h)	290	180	960	50	120	1010
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	305	105	1011	-105	126	1063
Adj No. of Lanes	1	1	2	0	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	428	382	1465	0	245	1816
Arrive On Green	0.24	0.24	0.25	0.00	0.14	0.51
Sat Flow, veh/h	1774	1583	3725	0	1774	3632
Grp Volume(v), veh/h	305	105	906	0	126	1063
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	0	1774	1770
Q Serve(g_s), s	5.8	2.0	0.0	0.0	2.4	7.7
Cycle Q Clear(g_c), s	5.8	2.0	0.0	0.0	2.4	7.7
Prop In Lane	1.00	1.00		0.00	1.00	
Lane Grp Cap(c), veh/h	428	382	0	0	245	1816
V/C Ratio(X)	0.71	0.27	0.00	0.00	0.51	0.59
Avail Cap(c_a), veh/h	1215	1084	0	0	353	3466
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	12.7	11.3	0.0	0.0	14.7	6.2
Incr Delay (d2), s/veh	2.2	0.4	0.0	0.0	1.7	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.1	0.9	0.0	0.0	1.3	3.8
LnGrp Delay(d),s/veh	14.9	11.7	0.0	0.0	16.3	6.5
LnGrp LOS	B	B			B	A
Approach Vol, veh/h	410		906			1189
Approach Delay, s/veh	14.1		0.0			7.6
Approach LOS	B		A			A

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	9.6	13.8				23.3		13.3
Change Period (Y+Rc), s	4.5	4.5				4.5		4.5
Max Green Setting (Gmax), s	7.3	24.1				35.9		25.1
Max Q Clear Time (g_c+I1), s	4.4	2.0				9.7		7.8
Green Ext Time (p_c), s	0.1	6.3				8.4		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	5.9
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
77: Fashion Valley Road & Levi Cushman Street "B"



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	150	130	350	800	330	250
Future Volume (veh/h)	150	130	350	800	330	250
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	158	105	368	842	347	200
Adj No. of Lanes	1	1	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	206	184	715	2578	472	266
Arrive On Green	0.12	0.12	0.40	0.73	0.07	0.07
Sat Flow, veh/h	1774	1583	1774	3632	2238	1207
Grp Volume(v), veh/h	158	105	368	842	285	262
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1582
Q Serve(g_s), s	7.8	5.7	14.1	7.6	14.2	14.6
Cycle Q Clear(g_c), s	7.8	5.7	14.1	7.6	14.2	14.6
Prop In Lane	1.00	1.00	1.00			0.76
Lane Grp Cap(c), veh/h	206	184	715	2578	389	348
V/C Ratio(X)	0.77	0.57	0.51	0.33	0.73	0.75
Avail Cap(c_a), veh/h	493	440	715	2578	472	422
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.33	0.33
Upstream Filter(I)	0.85	0.85	0.72	0.72	0.77	0.77
Uniform Delay (d), s/veh	38.6	37.7	20.2	4.4	39.1	39.3
Incr Delay (d2), s/veh	5.0	2.4	0.5	0.2	9.0	11.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.1	5.0	6.9	3.7	7.9	7.5
LnGrp Delay(d),s/veh	43.6	40.0	20.7	4.6	48.1	50.4
LnGrp LOS	D	D	C	A	D	D
Approach Vol, veh/h	263			1210	547	
Approach Delay, s/veh	42.2			9.5	49.2	
Approach LOS	D			A	D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		75.1		14.9	45.8	29.3		
Change Period (Y+Rc), s		9.5		4.5	9.5	* 9.5		
Max Green Setting (Gmax), s		51.0		25.0	22.5	* 24		
Max Q Clear Time (g_c+I1), s		9.6		9.8	16.1	16.6		
Green Ext Time (p_c), s		6.8		0.7	0.6	2.0		

Intersection Summary	
HCM 2010 Ctrl Delay	24.5
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
78: Via Las Cumbres & Hotel Circle North

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	250	910	650	100	360	0	0	900	400
Future Volume (veh/h)	0	0	0	250	910	650	100	360	0	0	900	400
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.98	1.00		1.00	1.00		0.98
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				263	958	484	105	379	0	0	947	274
Adj No. of Lanes				0	2	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				267	1037	565	138	1439	0	0	1073	447
Arrive On Green				0.36	0.36	0.36	0.08	0.41	0.00	0.00	0.29	0.29
Sat Flow, veh/h				736	2859	1557	1774	3632	0	0	3725	1550
Grp Volume(v), veh/h				652	569	484	105	379	0	0	947	274
Grp Sat Flow(s),veh/h/ln				1826	1770	1557	1774	1770	0	0	1863	1550
Q Serve(g_s), s				39.0	33.2	31.6	6.4	7.8	0.0	0.0	26.7	16.8
Cycle Q Clear(g_c), s				39.0	33.2	31.6	6.4	7.8	0.0	0.0	26.7	16.8
Prop In Lane				0.40		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				662	642	565	138	1439	0	0	1073	447
V/C Ratio(X)				0.98	0.89	0.86	0.76	0.26	0.00	0.00	0.88	0.61
Avail Cap(c_a), veh/h				662	642	565	290	1805	0	0	1138	474
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	1.00	1.00	0.79	0.79	0.00	0.00	0.80	0.80
Uniform Delay (d), s/veh				34.7	32.9	32.4	49.7	21.7	0.0	0.0	37.4	33.9
Incr Delay (d2), s/veh				31.0	14.1	12.4	6.8	0.1	0.0	0.0	8.7	5.0
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				25.3	18.6	15.5	3.4	3.9	0.0	0.0	15.0	7.9
LnGrp Delay(d),s/veh				65.8	47.0	44.8	56.5	21.8	0.0	0.0	46.1	38.9
LnGrp LOS				E	D	D	E	C			D	D
Approach Vol, veh/h					1705			484			1221	
Approach Delay, s/veh					53.6			29.3			44.5	
Approach LOS					D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		49.2			13.0	36.2		49.4
Change Period (Y+Rc), s		4.5			4.5	4.5		9.5
Max Green Setting (Gmax), s		56.1			18.0	33.6		39.9
Max Q Clear Time (g_c+I1), s		9.8			8.4	28.7		41.0
Green Ext Time (p_c), s		2.7			0.1	3.0		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	46.9
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
79: Via Las Cumbres & Hotel Circle South

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	340	1000	40	0	0	0	0	20	40	1090	60	0
Future Volume (veh/h)	340	1000	40	0	0	0	0	20	40	1090	60	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97				1.00		0.97	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1900	1863	1863	0
Adj Flow Rate, veh/h	358	1053	31				0	21	31	1147	63	0
Adj No. of Lanes	1	2	0				0	1	0	2	1	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	539	1066	31				0	140	206	1187	642	0
Arrive On Green	0.30	0.30	0.30				0.00	0.21	0.21	0.34	0.34	0.00
Sat Flow, veh/h	1774	3507	103				0	668	986	3442	1863	0
Grp Volume(v), veh/h	358	531	553				0	0	52	1147	63	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1840				0	0	1654	1721	1863	0
Q Serve(g_s), s	22.9	38.8	38.8				0.0	0.0	3.3	42.6	3.0	0.0
Cycle Q Clear(g_c), s	22.9	38.8	38.8				0.0	0.0	3.3	42.6	3.0	0.0
Prop In Lane	1.00		0.06				0.00		0.60	1.00		0.00
Lane Grp Cap(c), veh/h	539	538	559				0	0	346	1187	642	0
V/C Ratio(X)	0.66	0.99	0.99				0.00	0.00	0.15	0.97	0.10	0.00
Avail Cap(c_a), veh/h	539	538	559				0	0	346	1191	645	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.09	0.09	0.09				0.00	0.00	1.00	0.26	0.26	0.00
Uniform Delay (d), s/veh	39.5	45.0	45.0				0.0	0.0	42.0	41.8	28.9	0.0
Incr Delay (d2), s/veh	0.3	9.1	8.9				0.0	0.0	0.2	7.6	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.3	20.3	21.0				0.0	0.0	1.6	21.5	1.6	0.0
LnGrp Delay(d),s/veh	39.7	54.1	53.9				0.0	0.0	42.2	49.4	29.0	0.0
LnGrp LOS	D	D	D						D	D	C	
Approach Vol, veh/h		1442						52			1210	
Approach Delay, s/veh		50.5						42.2			48.4	
Approach LOS		D						D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		31.7		49.0		49.3		
Change Period (Y+Rc), s		4.5		9.5		4.5		
Max Green Setting (Gmax), s		27.0		39.5		45.0		
Max Q Clear Time (g_c+I1), s		5.3		40.8		44.6		
Green Ext Time (p_c), s		0.2		0.0		0.3		

Intersection Summary	
HCM 2010 Ctrl Delay	49.4
HCM 2010 LOS	D



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	0	350	650	550	0	0
Future Volume (veh/h)	0	350	650	550	0	0
Number	3	18	2	12		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		0.98		
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900		
Adj Flow Rate, veh/h	0	210	684	147		
Adj No. of Lanes	1	1	2	0		
Peak Hour Factor	0.95	0.95	0.95	0.95		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	0	0	1486	319		
Arrive On Green	0.00	0.00	0.51	0.51		
Sat Flow, veh/h	0		2981	620		
Grp Volume(v), veh/h	0.0		419	412		
Grp Sat Flow(s),veh/h/ln			1770	1739		
Q Serve(g_s), s			2.9	3.0		
Cycle Q Clear(g_c), s			2.9	3.0		
Prop In Lane				0.36		
Lane Grp Cap(c), veh/h			911	895		
V/C Ratio(X)			0.46	0.46		
Avail Cap(c_a), veh/h			2070	2034		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			3.0	3.0		
Incr Delay (d2), s/veh			0.4	0.4		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			1.5	1.5		
LnGrp Delay(d),s/veh			3.4	3.4		
LnGrp LOS			A	A		
Approach Vol, veh/h			831			
Approach Delay, s/veh			3.4			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		19.6						
Change Period (Y+Rc), s		9.5						
Max Green Setting (Gmax), s		22.9						
Max Q Clear Time (g_c+I1), s		5.0						
Green Ext Time (p_c), s		5.0						

Intersection Summary	
HCM 2010 Ctrl Delay	3.4
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
81: Harzard Center Drive & Frazee Road

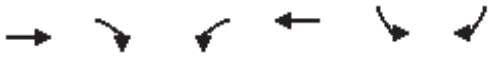


Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	180	810	440	150	180	120
Future Volume (veh/h)	180	810	440	150	180	120
Number	7	4	8	18	1	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.95	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	189	853	463	21	189	10
Adj No. of Lanes	1	2	2	0	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	242	1600	754	34	252	225
Arrive On Green	0.14	0.45	0.22	0.22	0.14	0.14
Sat Flow, veh/h	1774	3632	3534	156	1774	1583
Grp Volume(v), veh/h	189	853	238	246	189	10
Grp Sat Flow(s),veh/h/ln	1774	1770	1770	1827	1774	1583
Q Serve(g_s), s	4.8	8.1	5.7	5.7	4.8	0.3
Cycle Q Clear(g_c), s	4.8	8.1	5.7	5.7	4.8	0.3
Prop In Lane	1.00			0.09	1.00	1.00
Lane Grp Cap(c), veh/h	242	1600	388	401	252	225
V/C Ratio(X)	0.78	0.53	0.61	0.62	0.75	0.04
Avail Cap(c_a), veh/h	398	2872	680	702	682	609
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.5	9.3	16.5	16.5	19.3	17.3
Incr Delay (d2), s/veh	5.4	0.3	1.6	1.5	4.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.7	4.0	2.9	3.0	2.6	0.2
LnGrp Delay(d),s/veh	24.9	9.5	18.1	18.0	23.7	17.4
LnGrp LOS	C	A	B	B	C	B
Approach Vol, veh/h		1042	484		199	
Approach Delay, s/veh		12.3	18.0		23.4	
Approach LOS		B	B		C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6	7	8
Phs Duration (G+Y+Rc), s				30.7		16.2	10.9	19.8
Change Period (Y+Rc), s				* 9.5		9.5	4.5	9.5
Max Green Setting (Gmax), s				* 38		18.0	10.5	18.0
Max Q Clear Time (g_c+I1), s				10.1		6.8	6.8	7.7
Green Ext Time (p_c), s				7.1		0.4	0.2	2.2

Intersection Summary	
HCM 2010 Ctrl Delay	15.2
HCM 2010 LOS	B

Notes



Lane Group	EBT	EBR	WBL	WBT	SBL	SBR
Lane Group Flow (vph)	1188	167	302	604	344	1375
v/c Ratio	0.65	0.20	0.72	0.25	0.87	0.89
Control Delay	23.2	3.5	56.6	7.8	62.1	8.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	23.2	3.5	56.6	7.8	62.1	8.6
Queue Length 50th (ft)	316	0	106	78	234	0
Queue Length 95th (ft)	456	39	151	127	318	0
Internal Link Dist (ft)	1049			488		
Turn Bay Length (ft)		400	120			180
Base Capacity (vph)	1819	856	479	2403	513	1552
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.65	0.20	0.63	0.25	0.67	0.89

Intersection Summary



Lane Group	EBL	EBT	WBT	NBT	NBR
Lane Group Flow (vph)	844	688	1125	354	646
v/c Ratio	0.97	0.32	1.00	0.66	1.03
Control Delay	68.7	12.5	60.8	42.8	70.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	68.7	12.5	60.8	42.8	70.8
Queue Length 50th (ft)	334	132	~393	237	~407
Queue Length 95th (ft)	#464	167	#551	346	#640
Internal Link Dist (ft)		488	1239	905	
Turn Bay Length (ft)	225				
Base Capacity (vph)	872	2117	1126	539	628
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.97	0.32	1.00	0.66	1.03

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	SBL	SBT
Lane Group Flow (vph)	1147	368	600	726	389	979
v/c Ratio	1.17	0.63	1.58	0.91	0.24	1.23
Control Delay	127.3	19.4	308.2	50.0	18.8	142.8
Queue Delay	0.5	0.0	0.0	9.6	0.0	0.0
Total Delay	127.8	19.4	308.2	59.6	18.8	142.8
Queue Length 50th (ft)	~557	92	~340	519	88	~899
Queue Length 95th (ft)	#693	201	#456	#765	121	#1154
Internal Link Dist (ft)	365			594		1186
Turn Bay Length (ft)		200	250			
Base Capacity (vph)	979	583	380	794	1644	794
Starvation Cap Reductn	90	0	0	60	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.29	0.63	1.58	0.99	0.24	1.23

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	NBT	NBR
Lane Group Flow (vph)	1084	453	1221	579	547
v/c Ratio	1.14	0.40	1.20	1.01	0.74
Control Delay	121.0	16.6	138.8	88.0	19.5
Queue Delay	0.0	0.9	0.0	0.0	0.0
Total Delay	121.0	17.5	138.8	88.0	19.5
Queue Length 50th (ft)	~612	215	~701	~557	145
Queue Length 95th (ft)	#748	291	#842	#805	302
Internal Link Dist (ft)		594	1043	1756	
Turn Bay Length (ft)	200				
Base Capacity (vph)	954	1120	1021	574	741
Starvation Cap Reductn	0	402	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.14	0.63	1.20	1.01	0.74

Intersection Summary

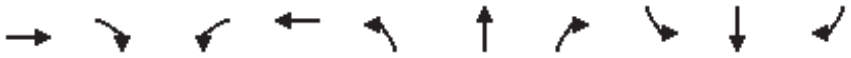
~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	189	295	368	126	11	84	168	389	137	63	453	79
v/c Ratio	0.77	0.72	0.61	0.33	0.03	0.21	0.52	0.24	0.18	0.50	0.30	0.11
Control Delay	70.7	54.8	9.3	52.6	38.5	1.5	71.0	30.9	21.5	69.1	27.1	0.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	70.7	54.8	9.3	52.6	38.5	1.5	71.0	30.9	21.5	69.1	27.1	0.3
Queue Length 50th (ft)	149	222	12	47	7	0	74	140	56	50	131	0
Queue Length 95th (ft)	218	297	92	78	23	4	113	216	118	95	201	0
Internal Link Dist (ft)		193			1307			610			1184	
Turn Bay Length (ft)	170			290		200	240			200		200
Base Capacity (vph)	404	701	791	417	448	475	400	1634	777	192	1494	725
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.42	0.47	0.30	0.02	0.18	0.42	0.24	0.18	0.33	0.30	0.11

Intersection Summary



Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	242	432	116	64	358	537	158	42	789	116
v/c Ratio	0.79	0.66	0.41	0.22	0.67	0.27	0.24	0.41	0.80	0.23
Control Delay	67.8	14.7	49.9	25.3	57.3	30.0	6.4	69.1	56.7	16.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	67.8	14.7	49.9	25.3	57.3	30.0	6.4	69.1	56.7	16.3
Queue Length 50th (ft)	190	67	80	21	141	119	0	35	~353	15
Queue Length 95th (ft)	264	119	138	61	#239	172	55	77	#503	64
Internal Link Dist (ft)	251			993		253			610	
Turn Bay Length (ft)		70	120		120		200	150		200
Base Capacity (vph)	450	650	368	376	533	1987	648	113	989	506
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.54	0.66	0.32	0.17	0.67	0.27	0.24	0.37	0.80	0.23

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	550	169	1469	792	500	1448
v/c Ratio	0.72	0.38	0.94	0.77	0.93	0.63
Control Delay	38.9	7.2	39.8	13.5	65.3	12.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.9	7.2	39.8	13.5	65.3	12.0
Queue Length 50th (ft)	156	0	416	212	151	227
Queue Length 95th (ft)	210	53	#663	327	#275	375
Internal Link Dist (ft)	1397		566			1235
Turn Bay Length (ft)		230			280	
Base Capacity (vph)	1022	533	1558	1147	540	2311
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.54	0.32	0.94	0.69	0.93	0.63

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	168	1095	453	379	537	232
v/c Ratio	0.71	0.75	0.68	0.34	0.83	0.22
Control Delay	60.4	28.9	43.3	1.3	38.8	0.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	60.4	28.9	43.3	1.3	38.8	0.5
Queue Length 50th (ft)	105	307	143	0	313	0
Queue Length 95th (ft)	#206	385	196	22	#543	0
Internal Link Dist (ft)		3086	1666			
Turn Bay Length (ft)	220			190		120
Base Capacity (vph)	239	1586	789	1117	649	1052
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.70	0.69	0.57	0.34	0.83	0.22

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	21	1609	52	995	42	31	188	99
v/c Ratio	0.18	0.84	0.55	0.49	0.11	0.07	0.60	0.23
Control Delay	42.5	24.3	62.3	14.0	22.1	0.3	33.8	8.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	42.5	24.3	62.3	14.0	22.1	0.3	33.8	8.9
Queue Length 50th (ft)	9	299	24	97	16	0	80	8
Queue Length 95th (ft)	35	#660	#87	298	38	0	141	41
Internal Link Dist (ft)		1666		908	489			1477
Turn Bay Length (ft)	160		200				40	
Base Capacity (vph)	123	1909	95	2024	635	671	536	691
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.17	0.84	0.55	0.49	0.07	0.05	0.35	0.14

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	188	1229	94	635	271	115	438	177	109	500
v/c Ratio	0.76	1.05	0.59	0.63	0.45	0.76	0.84	0.32	0.70	0.97
Control Delay	75.7	83.4	74.5	46.4	8.2	90.3	61.7	5.3	83.7	78.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	75.7	83.4	74.5	46.4	8.2	90.3	61.7	5.3	83.7	78.4
Queue Length 50th (ft)	162	~624	81	260	9	101	369	0	94	430
Queue Length 95th (ft)	246	#799	142	341	84	#201	#574	45	#174	#688
Internal Link Dist (ft)		931		958			859			325
Turn Bay Length (ft)	190				200				115	
Base Capacity (vph)	311	1172	213	1007	601	160	523	556	174	518
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.60	1.05	0.44	0.63	0.45	0.72	0.84	0.32	0.63	0.97

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBT	NBR	SBT
Lane Group Flow (vph)	21	1926	232	958	210	200	33
v/c Ratio	0.28	0.77	1.04	0.44	0.79	0.65	0.12
Control Delay	78.4	33.9	129.0	13.7	75.9	63.5	33.4
Queue Delay	0.0	0.1	0.0	0.1	0.0	0.0	0.0
Total Delay	78.4	34.0	129.0	13.8	75.9	63.5	33.4
Queue Length 50th (ft)	20	579	~244	200	189	174	17
Queue Length 95th (ft)	50	684	#426	186	275	252	45
Internal Link Dist (ft)		999		594	1292		249
Turn Bay Length (ft)	180		200				
Base Capacity (vph)	80	2489	224	2158	445	515	514
Starvation Cap Reductn	0	0	0	270	0	0	0
Spillback Cap Reductn	0	64	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.26	0.79	1.04	0.51	0.47	0.39	0.06

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	2000	347	1041	112	224
v/c Ratio	0.64	0.78	0.37	0.42	0.54
Control Delay	7.3	72.5	3.6	60.1	10.8
Queue Delay	0.1	0.0	0.0	0.0	0.0
Total Delay	7.4	72.5	3.6	60.1	10.8
Queue Length 50th (ft)	108	173	98	94	0
Queue Length 95th (ft)	412	229	53	154	74
Internal Link Dist (ft)	594		1246		
Turn Bay Length (ft)		300			
Base Capacity (vph)	3136	563	2777	384	505
Starvation Cap Reductn	296	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.70	0.62	0.37	0.29	0.44

Intersection Summary



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	32	2116	716	1158	74	128	119	32	22
v/c Ratio	0.43	0.79	0.91	0.31	0.39	0.41	0.39	0.25	0.09
Control Delay	93.9	13.1	72.9	8.4	61.0	13.0	11.8	57.4	31.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	93.9	13.1	72.9	8.4	61.0	13.0	11.8	57.4	31.6
Queue Length 50th (ft)	32	706	350	173	62	4	0	26	9
Queue Length 95th (ft)	m54	135	425	200	113	65	58	60	35
Internal Link Dist (ft)		1246		672		252			222
Turn Bay Length (ft)	150		410						
Base Capacity (vph)	83	2674	843	3762	269	390	384	181	347
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.39	0.79	0.85	0.31	0.28	0.33	0.31	0.18	0.06

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	224	1214	765	490	1204	286	418	61	969	490	225
v/c Ratio	0.69	0.92	0.79	0.74	0.65	0.17	0.60	0.16	0.86	0.70	0.48
Control Delay	68.3	58.4	11.7	58.2	39.2	1.7	49.7	40.8	41.3	53.2	12.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.9
Total Delay	68.3	58.4	11.7	58.2	39.2	1.7	49.7	40.8	41.3	59.3	13.2
Queue Length 50th (ft)	94	375	96	~216	351	0	158	41	382	190	23
Queue Length 95th (ft)	#168	#479	196	#381	410	21	203	77	#533	247	95
Internal Link Dist (ft)		672			1085			378			209
Turn Bay Length (ft)			100						300		
Base Capacity (vph)	326	1325	1031	664	1845	1791	878	476	1122	871	540
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	320	130
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.92	0.74	0.74	0.65	0.16	0.48	0.13	0.86	0.89	0.55

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	673	2000	1173	1010	735	806
v/c Ratio	0.80	0.47	0.53	0.64	0.71	0.81
Control Delay	38.6	6.8	13.8	8.4	32.0	15.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.6	6.8	13.8	8.4	32.0	15.9
Queue Length 50th (ft)	153	117	125	302	112	56
Queue Length 95th (ft)	#292	141	128	250	151	#135
Internal Link Dist (ft)		1085	634		856	
Turn Bay Length (ft)	260					
Base Capacity (vph)	842	4229	2648	1694	1064	1012
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.80	0.47	0.44	0.60	0.69	0.80

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	378	1796	561	327	1276	357	388	409	194	235	520
v/c Ratio	0.75	0.73	0.45	0.85	0.73	0.51	0.81	0.44	0.76	0.63	0.62
Control Delay	69.7	41.0	11.1	85.9	47.6	12.0	75.9	15.2	87.1	61.6	16.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	69.7	41.0	11.1	85.9	47.6	12.0	75.9	15.2	87.1	61.6	16.2
Queue Length 50th (ft)	192	505	47	163	433	52	191	51	97	196	59
Queue Length 95th (ft)	#264	551	107	#235	495	154	245	97	#148	294	128
Internal Link Dist (ft)		634			586			693		685	
Turn Bay Length (ft)	200			130			200		140		
Base Capacity (vph)	504	2476	1238	402	1752	706	565	1108	265	456	947
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.75	0.73	0.45	0.81	0.73	0.51	0.69	0.37	0.73	0.52	0.55

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBT	WBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	194	206	253	284	800	989	347
v/c Ratio	0.67	0.71	0.60	0.68	0.33	0.54	0.40
Control Delay	62.9	65.1	19.4	65.7	10.4	25.2	3.8
Queue Delay	0.0	0.0	0.0	0.0	1.1	7.6	0.8
Total Delay	62.9	65.1	19.4	65.7	11.5	32.8	4.6
Queue Length 50th (ft)	167	178	49	125	150	310	0
Queue Length 95th (ft)	241	254	130	169	217	443	61
Internal Link Dist (ft)		857			286	253	
Turn Bay Length (ft)	370		370				
Base Capacity (vph)	376	379	494	480	2403	1844	874
Starvation Cap Reductn	0	0	0	0	1288	808	273
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.52	0.54	0.51	0.59	0.72	0.95	0.58

Intersection Summary



Lane Group	EBL	EBT	EBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	159	157	463	779	505	621	758
v/c Ratio	0.38	0.37	0.92	0.65	0.63	0.86	0.37
Control Delay	40.0	39.8	53.0	32.0	11.6	60.7	15.5
Queue Delay	0.0	0.0	4.1	2.2	1.4	2.7	1.2
Total Delay	40.0	39.8	57.1	34.2	13.0	63.4	16.7
Queue Length 50th (ft)	107	105	243	305	208	250	178
Queue Length 95th (ft)	173	171	#430	280	165	310	224
Internal Link Dist (ft)		604		170			286
Turn Bay Length (ft)	250		100			120	
Base Capacity (vph)	469	473	549	1194	801	812	2045
Starvation Cap Reductn	0	0	0	273	137	101	996
Spillback Cap Reductn	0	0	42	0	0	0	154
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.34	0.33	0.91	0.85	0.76	0.87	0.72

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	439	469	653	1173	908	296
v/c Ratio	0.79	0.93	0.95	0.60	0.57	0.47
Control Delay	56.0	67.8	65.1	18.9	43.9	6.8
Queue Delay	0.0	0.0	43.6	3.6	0.0	0.0
Total Delay	56.0	67.8	108.7	22.5	43.9	6.8
Queue Length 50th (ft)	366	381	323	308	271	0
Queue Length 95th (ft)	493	#568	m#360	m321	325	76
Internal Link Dist (ft)		714		277	424	
Turn Bay Length (ft)	320					
Base Capacity (vph)	611	553	688	1939	1603	627
Starvation Cap Reductn	0	0	119	655	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.72	0.85	1.15	0.91	0.57	0.47

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	627	337	1268	979	284	1105
v/c Ratio	1.14	0.61	0.86	1.02	0.97	0.58
Control Delay	125.5	35.1	45.2	45.9	120.5	10.5
Queue Delay	0.0	0.0	20.4	0.0	0.0	0.4
Total Delay	125.5	35.1	65.7	45.9	120.5	10.9
Queue Length 50th (ft)	~723	200	565	~570	145	188
Queue Length 95th (ft)	#974	308	666	#834	#237	211
Internal Link Dist (ft)	357		608			277
Turn Bay Length (ft)		360				
Base Capacity (vph)	552	555	1481	964	293	1896
Starvation Cap Reductn	0	0	180	0	0	320
Spillback Cap Reductn	2	0	250	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.14	0.61	1.03	1.02	0.97	0.70

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	NBT	NBR	SBT
Lane Group Flow (vph)	42	2647	168	189	1958	169	189	305
v/c Ratio	0.45	1.03	0.21	1.02	0.68	0.58	0.38	1.07
Control Delay	70.2	54.9	6.2	125.0	19.8	48.0	14.9	114.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	70.2	54.9	6.2	125.0	19.8	48.0	14.9	114.1
Queue Length 50th (ft)	32	~802	20	~152	386	115	35	~253
Queue Length 95th (ft)	70	#892	58	#305	442	192	101	#435
Internal Link Dist (ft)		1668			1034	780		453
Turn Bay Length (ft)	220			240			60	
Base Capacity (vph)	104	2576	798	185	2896	291	492	285
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.40	1.03	0.21	1.02	0.68	0.58	0.38	1.07

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	143	2383	418	327	1684	82	327	71	444	51	51	40
v/c Ratio	0.69	0.95	0.39	1.06	0.63	0.09	0.79	0.17	0.93	0.34	0.18	0.09
Control Delay	108.8	56.6	6.1	150.3	36.6	2.0	98.3	61.8	69.9	98.8	31.5	0.4
Queue Delay	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	108.8	58.2	6.1	150.3	36.6	2.0	98.3	61.8	69.9	98.8	31.5	0.4
Queue Length 50th (ft)	96	~1216	82	~242	622	0	~235	75	364	33	22	0
Queue Length 95th (ft)	139	#1285	133	#355	682	19	#348	124	#531	61	69	0
Internal Link Dist (ft)		1034			1478			660			718	
Turn Bay Length (ft)	240		240	260		260	200			210		210
Base Capacity (vph)	240	2521	1066	308	2670	954	412	478	526	171	353	458
Starvation Cap Reductn	0	57	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.60	0.97	0.39	1.06	0.63	0.09	0.79	0.15	0.84	0.30	0.14	0.09

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

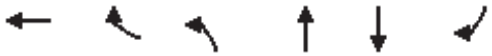


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	177	2302	365	542	1177	156	260	63	792	104	21	83
v/c Ratio	0.68	0.96	0.43	1.00	0.42	0.15	0.49	0.19	1.41	0.38	0.14	0.30
Control Delay	80.4	48.8	11.8	100.9	21.5	1.6	59.7	49.8	227.9	72.1	65.5	2.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	80.4	48.8	11.8	100.9	21.5	1.6	59.7	49.8	227.9	72.1	65.5	2.8
Queue Length 50th (ft)	88	~917	85	277	271	0	113	48	~867	52	19	0
Queue Length 95th (ft)	129	#1004	177	#403	316	22	160	90	#1124	#95	48	0
Internal Link Dist (ft)		1478			1233			692			645	
Turn Bay Length (ft)	300		300	260		260	180			190		300
Base Capacity (vph)	299	2409	840	542	2817	1038	596	484	561	275	299	382
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.59	0.96	0.43	1.00	0.42	0.15	0.44	0.13	1.41	0.38	0.07	0.22

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBT	WBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	927	295	537	442	947	547
v/c Ratio	1.34	0.19	1.29	0.24	1.13	0.82
Control Delay	197.2	0.3	190.5	18.9	119.7	22.1
Queue Delay	0.0	0.0	1.2	0.0	0.0	0.0
Total Delay	197.2	0.3	191.7	18.9	119.7	22.1
Queue Length 50th (ft)	~1058	0	~599	111	~505	106
Queue Length 95th (ft)	#1313	0	#825	145	#639	276
Internal Link Dist (ft)	702			344	548	
Turn Bay Length (ft)						
Base Capacity (vph)	691	1555	415	1808	838	671
Starvation Cap Reductn	0	0	46	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.34	0.19	1.46	0.24	1.13	0.82

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

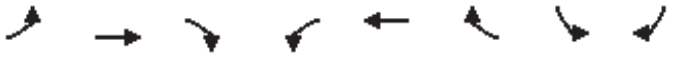


Lane Group	EBT	EBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	379	358	611	653	484	1379
v/c Ratio	1.06	1.14	1.06	0.90	0.76	1.08
Control Delay	114.7	141.6	98.9	34.3	45.8	90.4
Queue Delay	0.0	0.0	19.9	47.7	50.3	8.6
Total Delay	114.7	141.6	118.9	82.0	96.1	98.9
Queue Length 50th (ft)	~352	~353	~567	245	357	~683
Queue Length 95th (ft)	#552	#549	#798	#502	496	#822
Internal Link Dist (ft)	760		133			344
Turn Bay Length (ft)						
Base Capacity (vph)	356	313	574	722	637	1274
Starvation Cap Reductn	0	0	280	161	194	326
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.06	1.14	2.08	1.16	1.09	1.45

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	582	2112	857	357	1755	459	1184	990
v/c Ratio	1.22	0.92	0.85	1.22	1.01	0.30	1.48	0.67
Control Delay	156.2	39.1	18.7	169.4	63.6	0.5	254.8	18.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	156.2	39.1	18.7	169.4	63.6	0.5	254.8	18.8
Queue Length 50th (ft)	~554	551	207	~340	~505	0	~693	251
Queue Length 95th (ft)	#775	627	#473	#529	#620	0	#835	323
Internal Link Dist (ft)		737			1071			
Turn Bay Length (ft)							600	600
Base Capacity (vph)	476	2288	1003	292	1737	1536	802	1485
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.22	0.92	0.85	1.22	1.01	0.30	1.48	0.67

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	NBT	SBT
Lane Group Flow (vph)	786	2510	1674	530	1051	1184
v/c Ratio	2.03	0.75	0.92	1.02	2.20	1.65
Control Delay	497.9	16.5	46.5	84.3	571.6	321.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	497.9	16.5	46.5	84.3	571.6	321.4
Queue Length 50th (ft)	~1036	479	513	~550	~1397	~1199
Queue Length 95th (ft)	#1281	535	589	#806	#1660	#1466
Internal Link Dist (ft)		1071	878		682	773
Turn Bay Length (ft)	520					
Base Capacity (vph)	388	3363	1827	519	477	717
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	2.03	0.75	0.92	1.02	2.20	1.65

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	2969	629	216	1670	586	332
v/c Ratio	1.05	0.54	0.89	0.36	0.86	0.77
Control Delay	62.6	6.5	95.5	7.9	68.8	34.9
Queue Delay	13.3	0.0	0.0	0.0	0.0	0.0
Total Delay	75.9	6.5	95.5	7.9	68.8	34.9
Queue Length 50th (ft)	~1119	146	204	159	274	139
Queue Length 95th (ft)	#1194	185	#385	188	339	271
Internal Link Dist (ft)	878			425	699	
Turn Bay Length (ft)		400	160		160	
Base Capacity (vph)	2835	1191	243	4641	757	455
Starvation Cap Reductn	84	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.08	0.53	0.89	0.36	0.77	0.73

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	402	2928	1763	216	474
v/c Ratio	0.61	0.82	0.60	0.32	0.78
Control Delay	44.0	17.5	22.5	35.1	34.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	44.0	17.5	22.5	35.1	34.4
Queue Length 50th (ft)	118	281	218	72	268
Queue Length 95th (ft)	187	#884	343	78	287
Internal Link Dist (ft)		589	1602	1556	
Turn Bay Length (ft)	200			200	
Base Capacity (vph)	657	3564	2961	1209	605
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.61	0.82	0.60	0.18	0.78

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	295	2589	326	95	1337	347	221	168	274
v/c Ratio	0.68	1.05	0.38	0.85	0.88	1.30	0.38	0.54	0.41
Control Delay	51.5	63.1	5.0	117.1	34.7	196.2	24.6	41.0	8.2
Queue Delay	0.0	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	51.5	85.2	5.0	117.1	34.7	196.2	24.6	41.0	8.2
Queue Length 50th (ft)	210	~799	21	76	243	~344	94	106	22
Queue Length 95th (ft)	#349	#889	76	m#146	m269	#533	165	183	89
Internal Link Dist (ft)		1602			513		932		815
Turn Bay Length (ft)	220		315	190		150		130	
Base Capacity (vph)	431	2470	855	112	1676	266	584	310	671
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	485	0	0	0	0	5	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.68	1.30	0.38	0.85	0.80	1.30	0.38	0.54	0.41

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



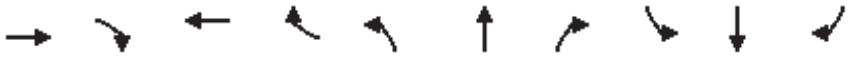
Lane Group	EBT	EBR	WBL	NBL	NBR
Lane Group Flow (vph)	2398	398	316	378	684
v/c Ratio	0.98	0.26	0.47	1.07	0.63
Control Delay	19.6	0.1	45.2	112.8	29.1
Queue Delay	42.4	0.0	0.0	0.0	0.0
Total Delay	61.9	0.1	45.2	112.8	29.1
Queue Length 50th (ft)	711	0	111	~341	222
Queue Length 95th (ft)	m693	m0	156	#534	289
Internal Link Dist (ft)	513			1532	
Turn Bay Length (ft)		90	190	140	
Base Capacity (vph)	2466	1555	703	354	1111
Starvation Cap Reductn	433	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.18	0.26	0.45	1.07	0.62

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	147	147	158	221	137	937	116	211	842	168
v/c Ratio	0.73	0.35	0.72	0.50	0.49	0.55	0.15	0.78	0.50	0.21
Control Delay	69.2	4.3	65.9	9.2	54.7	26.8	5.0	65.8	20.1	3.0
Queue Delay	3.0	0.0	0.0	0.8	0.0	0.4	0.0	6.6	1.0	0.7
Total Delay	72.3	4.3	65.9	10.0	54.7	27.1	5.0	72.4	21.2	3.7
Queue Length 50th (ft)	116	0	124	0	103	268	0	162	164	6
Queue Length 95th (ft)	177	24	186	64	167	420	40	m228	381	m35
Internal Link Dist (ft)	291		308			999			170	
Turn Bay Length (ft)		200		200	120			120		
Base Capacity (vph)	276	502	304	524	277	1710	757	351	1720	799
Starvation Cap Reductn	0	0	0	0	0	0	0	95	580	375
Spillback Cap Reductn	61	0	0	114	0	290	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.68	0.29	0.52	0.54	0.49	0.66	0.15	0.82	0.74	0.40

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	381	278	485	763	330	402	330	1108	237	196	845	268
v/c Ratio	0.84	0.78	0.78	0.96	0.32	0.58	0.83	0.77	0.26	0.68	0.66	0.35
Control Delay	76.2	68.4	36.4	76.5	39.1	24.2	78.7	51.4	7.7	73.9	51.0	9.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	76.2	68.4	36.4	76.5	39.1	24.2	78.7	51.4	7.7	73.9	51.0	9.8
Queue Length 50th (ft)	175	234	265	356	120	192	152	357	44	90	268	47
Queue Length 95th (ft)	#234	333	396	#481	162	279	#224	#449	93	132	320	113
Internal Link Dist (ft)		1252			1355			1284			608	
Turn Bay Length (ft)	140		120	120		160	335		200	180		200
Base Capacity (vph)	487	421	627	803	1122	713	414	1438	904	334	1285	772
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.78	0.66	0.77	0.95	0.29	0.56	0.80	0.77	0.26	0.59	0.66	0.35

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

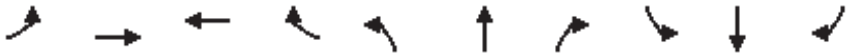


Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	153	388	194	209	551	153	490	184	429	327	112
v/c Ratio	0.54	0.69	0.33	0.69	1.00	1.01	0.79	0.45	0.94	0.42	0.27
Control Delay	59.2	50.9	7.7	65.6	84.3	138.1	65.4	10.8	88.3	48.8	8.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	59.2	50.9	7.7	65.6	84.3	138.1	65.4	10.8	88.3	48.8	8.3
Queue Length 50th (ft)	127	328	7	179	~553	~160	237	0	212	142	0
Queue Length 95th (ft)	199	451	67	267	#787	#309	#308	71	#326	192	46
Internal Link Dist (ft)		1071			1444		453			660	
Turn Bay Length (ft)	250					160		200	300		200
Base Capacity (vph)	454	580	600	454	549	151	635	411	458	802	423
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.34	0.67	0.32	0.46	1.00	1.01	0.77	0.45	0.94	0.41	0.26

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	356	202	74	284	21	263	11	126	253	358
v/c Ratio	0.79	0.45	0.22	0.65	0.21	0.48	0.03	0.59	0.44	0.34
Control Delay	43.0	29.8	29.2	18.9	50.8	36.1	0.2	52.2	30.6	2.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	43.0	29.8	29.2	18.9	50.8	36.1	0.2	52.2	30.6	2.4
Queue Length 50th (ft)	141	69	29	39	9	55	0	51	81	0
Queue Length 95th (ft)	#384	190	73	130	40	124	0	#183	237	41
Internal Link Dist (ft)		1444	569			544			692	
Turn Bay Length (ft)	130			200	70		200	100		
Base Capacity (vph)	663	659	776	754	99	912	494	239	628	1190
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.54	0.31	0.10	0.38	0.21	0.29	0.02	0.53	0.40	0.30

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	200	1084	137	126	189	158	368	126	179	295	200
v/c Ratio	0.77	0.93	0.88	0.13	0.36	0.83	0.88	0.26	0.89	0.70	0.42
Control Delay	66.5	44.6	98.6	34.6	7.5	83.3	66.2	2.9	91.5	50.4	10.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	66.5	44.6	98.6	34.6	7.5	83.3	66.2	2.9	91.5	50.4	10.5
Queue Length 50th (ft)	150	354	107	38	0	121	270	0	139	207	14
Queue Length 95th (ft)	225	#491	#233	68	60	#239	#421	16	#281	306	77
Internal Link Dist (ft)		1694		1560			1721			574	
Turn Bay Length (ft)	80		200		200	70			120		120
Base Capacity (vph)	345	1257	156	935	523	203	480	522	203	477	519
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.58	0.86	0.88	0.13	0.36	0.78	0.77	0.24	0.88	0.62	0.39

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	159	122	750	135	52	479	865	21	63	1021
v/c Ratio	0.59	0.45	0.94	0.78	0.17	0.49	0.47	0.03	0.53	0.85
Control Delay	61.0	56.0	41.9	88.5	1.3	41.5	22.5	0.1	79.5	54.4
Queue Delay	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	61.0	56.0	44.0	88.5	1.3	41.5	22.5	0.1	79.5	54.4
Queue Length 50th (ft)	137	103	364	123	0	189	274	0	57	325
Queue Length 95th (ft)	224	176	#676	#247	0	251	340	0	109	387
Internal Link Dist (ft)		357		605			887			999
Turn Bay Length (ft)	230				200	200		200	240	
Base Capacity (vph)	434	438	865	189	310	1136	2048	855	157	1492
Starvation Cap Reductn	0	0	43	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.37	0.28	0.91	0.71	0.17	0.42	0.42	0.02	0.40	0.68

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	411	516	305	516	516	295
v/c Ratio	0.88	0.51	0.67	0.69	0.92	0.26
Control Delay	49.3	6.4	34.1	7.8	50.7	7.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.3	6.4	34.1	7.8	50.7	7.4
Queue Length 50th (ft)	191	60	132	0	244	59
Queue Length 95th (ft)	#359	129	213	77	#448	95
Internal Link Dist (ft)	612		631			319
Turn Bay Length (ft)		175				
Base Capacity (vph)	498	1010	549	804	569	1248
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.83	0.51	0.56	0.64	0.91	0.24

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	274	905	316	631	263	1021	484	968	305
v/c Ratio	0.67	0.86	0.72	0.57	1.38	0.84	1.73	0.70	0.50
Control Delay	60.1	44.9	60.5	27.8	239.5	48.8	378.9	43.7	8.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	60.1	44.9	60.5	27.8	239.5	48.8	378.9	43.7	8.8
Queue Length 50th (ft)	104	316	121	162	~137	260	~282	244	9
Queue Length 95th (ft)	165	420	187	232	#262	#410	#456	353	96
Internal Link Dist (ft)		2153		1856		444		887	
Turn Bay Length (ft)	290		140		160		320		
Base Capacity (vph)	1354	1767	604	1175	191	1219	279	1381	604
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.20	0.51	0.52	0.54	1.38	0.84	1.73	0.70	0.50

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	221	663	189	253	621	53	158	179	168	158	347	232
v/c Ratio	0.70	0.74	0.36	0.72	0.64	0.11	0.68	0.22	0.35	0.58	0.42	0.43
Control Delay	47.1	35.4	6.9	45.8	31.3	0.5	45.7	27.0	6.8	38.6	29.0	6.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	47.1	35.4	6.9	45.8	31.3	0.5	45.7	27.0	6.8	38.6	29.0	6.7
Queue Length 50th (ft)	103	157	0	117	141	0	72	38	0	70	77	0
Queue Length 95th (ft)	224	283	54	248	253	0	162	76	49	155	140	56
Internal Link Dist (ft)		1214			1167			627			1301	
Turn Bay Length (ft)	120		200	260		200	160		200	160		200
Base Capacity (vph)	470	1282	670	538	1415	660	438	1551	763	512	1551	800
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.47	0.52	0.28	0.47	0.44	0.08	0.36	0.12	0.22	0.31	0.22	0.29

Intersection Summary



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	291	416	268	82	337	255	255	1449	306	301	1832	255
v/c Ratio	1.16	0.45	0.46	0.51	0.52	0.58	0.95	0.99	0.43	0.90	0.81	0.34
Control Delay	159.7	40.9	24.4	78.4	55.4	17.6	109.9	64.3	18.5	93.5	40.2	14.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	19.2	39.6	6.5	0.0	0.0	0.0
Total Delay	159.7	40.9	24.4	78.4	55.4	17.6	129.0	103.9	25.1	93.5	40.2	14.5
Queue Length 50th (ft)	~324	155	135	39	143	42	125	~806	111	~165	603	73
Queue Length 95th (ft)	#514	207	214	68	192	129	#209	#947	200	#264	675	148
Internal Link Dist (ft)		1167			1022			145			1284	
Turn Bay Length (ft)	250		325	250		200			200	250		200
Base Capacity (vph)	251	1092	584	172	829	509	279	1458	711	333	2256	752
Starvation Cap Reductn	0	0	0	0	0	0	27	615	347	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.16	0.38	0.46	0.48	0.41	0.50	1.01	1.72	0.84	0.90	0.81	0.34

Intersection Summary

Description: Loss time adjust of 3 seconds to the NBL movement to account fo rthe transit crossing

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	158	316	358	242	358	189	495	126	568
v/c Ratio	0.73	0.78	0.57	0.91	0.79	0.88	0.80	0.81	0.98
Control Delay	65.4	51.4	17.0	80.7	48.0	84.5	40.2	83.7	67.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.4	51.4	17.0	80.7	48.0	84.5	40.2	83.7	67.2
Queue Length 50th (ft)	101	197	98	160	217	126	277	84	360
Queue Length 95th (ft)	#202	294	179	#329	323	#273	#488	#200	#640
Internal Link Dist (ft)		1226			476		964		611
Turn Bay Length (ft)				70		80			
Base Capacity (vph)	236	530	630	267	550	214	620	156	581
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.67	0.60	0.57	0.91	0.65	0.88	0.80	0.81	0.98

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	284	516	221	305	695	305
v/c Ratio	0.94	0.34	0.42	0.63	0.95	0.29
Control Delay	79.7	18.8	38.8	10.6	52.4	3.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.7	18.8	38.8	10.6	52.4	3.3
Queue Length 50th (ft)	166	106	64	0	380	19
Queue Length 95th (ft)	#348	145	99	73	#681	57
Internal Link Dist (ft)		1474	1627		1721	
Turn Bay Length (ft)	95			80		
Base Capacity (vph)	302	1708	725	552	730	1037
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.94	0.30	0.30	0.55	0.95	0.29

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

45: Mission Gorge Road & Camino Del Rio North/I-8 WB Off Ramps

10/17/2018



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	102	145	629	463	340	269	351	1000	227	52	1567	93
v/c Ratio	1.12	1.51	1.41	1.13	0.44	0.57	1.07	0.55	0.26	0.45	1.21	0.15
Control Delay	189.8	319.0	226.5	133.7	46.6	30.6	124.2	25.0	4.2	81.1	143.5	6.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	189.8	319.0	226.5	133.7	46.6	30.6	124.2	25.0	4.2	81.1	143.5	6.2
Queue Length 50th (ft)	~115	~200	~650	~556	154	125	~366	326	13	25	~950	0
Queue Length 95th (ft)	#249	#354	#1002	#796	209	212	#570	390	56	49	#1089	39
Internal Link Dist (ft)		1010			920			738			884	
Turn Bay Length (ft)	130			520		140	220		200	90		150
Base Capacity (vph)	91	96	447	409	780	468	328	1828	888	116	1291	617
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.12	1.51	1.41	1.13	0.44	0.57	1.07	0.55	0.26	0.45	1.21	0.15

Intersection Summary

Description: min green reduce to match split

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBT	SBR
Lane Group Flow (vph)	316	95
v/c Ratio	0.14	0.14
Control Delay	3.5	0.5
Queue Delay	0.0	0.0
Total Delay	3.5	0.5
Queue Length 50th (ft)	11	0
Queue Length 95th (ft)	24	0
Internal Link Dist (ft)	302	
Turn Bay Length (ft)		
Base Capacity (vph)	2319	783
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.14	0.12

Intersection Summary



Lane Group	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	579	463	1	484
v/c Ratio	0.67	0.64	0.00	0.28
Control Delay	34.5	7.1	13.0	7.5
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	34.5	7.1	13.0	7.5
Queue Length 50th (ft)	157	0	0	70
Queue Length 95th (ft)	194	69	m1	107
Internal Link Dist (ft)	598		723	
Turn Bay Length (ft)		150		
Base Capacity (vph)	1930	1039	1048	1740
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.30	0.45	0.00	0.28

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	144	216	268	289	289	505	247	608	691	423	1010	134
v/c Ratio	0.80	0.24	0.17	0.66	0.71	0.88	0.77	0.67	0.44	0.77	0.88	0.21
Control Delay	74.4	28.8	0.2	47.0	43.8	32.1	60.0	36.1	0.9	48.8	41.0	0.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	74.4	28.8	0.2	47.0	43.8	32.1	60.0	36.1	0.9	48.8	41.0	0.7
Queue Length 50th (ft)	88	54	0	88	162	122	78	177	0	129	304	0
Queue Length 95th (ft)	#202	87	0	133	249	#301	#147	247	0	#202	#442	0
Internal Link Dist (ft)		650			381			678			444	
Turn Bay Length (ft)	70		70	160			190		190	150		
Base Capacity (vph)	186	1043	1555	536	532	655	324	961	1554	592	1237	676
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.77	0.21	0.17	0.54	0.54	0.77	0.76	0.63	0.44	0.71	0.82	0.20

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBT	NBR
Lane Group Flow (vph)	351	979	299	320	420	539	278
v/c Ratio	0.32	0.64	0.85	0.17	0.66	0.84	0.18
Control Delay	40.5	2.0	79.8	18.5	43.7	54.3	0.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	40.5	2.0	79.8	18.5	43.7	54.3	0.3
Queue Length 50th (ft)	139	0	287	82	351	493	0
Queue Length 95th (ft)	185	0	#520	121	449	616	0
Internal Link Dist (ft)	381			779		361	
Turn Bay Length (ft)			110		560		560
Base Capacity (vph)	1110	1536	351	1925	717	731	1536
Starvation Cap Reductn	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0
Reduced v/c Ratio	0.32	0.64	0.85	0.17	0.59	0.74	0.18

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	284	453	368	242	484	347
v/c Ratio	0.99	0.41	0.27	0.33	0.94	0.50
Control Delay	86.4	10.1	17.7	3.8	56.8	5.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	86.4	10.1	17.7	3.8	56.8	5.5
Queue Length 50th (ft)	143	110	65	0	234	0
Queue Length 95th (ft)	#295	171	97	43	#416	59
Internal Link Dist (ft)		1771	694		627	
Turn Bay Length (ft)	200			90		
Base Capacity (vph)	288	1109	1353	737	521	696
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.99	0.41	0.27	0.33	0.93	0.50

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBR	WBT	WBR	NBL	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	316	500	388	383	296	1311	255	1505	765
v/c Ratio	0.93	0.84	1.04	1.01	1.18	0.50	0.17	1.20	1.06
Control Delay	113.5	57.7	130.9	106.9	184.0	31.9	0.2	151.1	86.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	18.4
Total Delay	113.5	57.7	130.9	106.9	184.0	31.9	0.2	154.5	104.5
Queue Length 50th (ft)	409	457	~584	~457	~465	404	0	~1257	~834
Queue Length 95th (ft)	#584	618	#816	#691	#677	446	0	#1391	#1101
Internal Link Dist (ft)			350			965		145	
Turn Bay Length (ft)				200	100				
Base Capacity (vph)	362	595	372	378	250	2641	1536	1254	723
Starvation Cap Reductn	0	0	0	0	0	0	0	596	202
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.87	0.84	1.04	1.01	1.18	0.50	0.17	2.29	1.47

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	547	569	21	327	53	164	131	474
v/c Ratio	1.26	0.41	0.16	0.40	0.29	0.35	0.28	0.51
Control Delay	164.8	18.3	38.7	18.4	20.4	20.6	19.7	3.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	164.8	18.3	38.7	18.4	20.4	20.6	19.7	3.0
Queue Length 50th (ft)	~114	61	6	36	3	46	35	0
Queue Length 95th (ft)	#335	183	34	93	40	114	93	33
Internal Link Dist (ft)		1165		492	202		357	
Turn Bay Length (ft)	190		90			140		
Base Capacity (vph)	434	1703	135	1502	222	965	976	928
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.26	0.33	0.16	0.22	0.24	0.17	0.13	0.51

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	SBL	SBR
Lane Group Flow (vph)	200	105	200
v/c Ratio	0.40	0.10	0.25
Control Delay	13.9	0.2	2.8
Queue Delay	0.0	0.0	0.0
Total Delay	13.9	0.2	2.8
Queue Length 50th (ft)	23	0	0
Queue Length 95th (ft)	92	0	27
Internal Link Dist (ft)	719	273	
Turn Bay Length (ft)			
Base Capacity (vph)	1252	1385	1140
Starvation Cap Reductn	0	0	0
Spillback Cap Reductn	0	0	0
Storage Cap Reductn	0	0	0
Reduced v/c Ratio	0.16	0.08	0.18

Intersection Summary



Lane Group	EBL	EBT
Lane Group Flow (vph)	1305	1316
v/c Ratio	0.75	0.37
Control Delay	3.0	0.3
Queue Delay	0.0	0.0
Total Delay	3.0	0.3
Queue Length 50th (ft)	0	0
Queue Length 95th (ft)	0	0
Internal Link Dist (ft)		726
Turn Bay Length (ft)		
Base Capacity (vph)	1747	3539
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.75	0.37

Intersection Summary

Lane Group	EBT	NBR
Lane Group Flow (vph)	1316	947
v/c Ratio	0.79	0.77
Control Delay	7.7	10.5
Queue Delay	0.0	0.0
Total Delay	7.7	10.5
Queue Length 50th (ft)	28	40
Queue Length 95th (ft)	103	122
Internal Link Dist (ft)	1023	
Turn Bay Length (ft)		
Base Capacity (vph)	2059	1741
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.64	0.54

Intersection Summary



Lane Group	EBL	EBT	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	884	389	558	284	750	850
v/c Ratio	0.74	0.44	0.87	0.18	1.30	0.71
Control Delay	47.9	1.6	59.8	0.2	186.9	46.3
Queue Delay	0.0	0.0	2.0	0.0	0.0	0.7
Total Delay	47.9	1.6	61.8	0.2	186.9	47.1
Queue Length 50th (ft)	392	0	233	0	~1029	393
Queue Length 95th (ft)	473	0	283	m0	#1380	508
Internal Link Dist (ft)		711	193			678
Turn Bay Length (ft)				80	330	
Base Capacity (vph)	1187	883	872	1555	576	1193
Starvation Cap Reductn	0	0	178	0	0	0
Spillback Cap Reductn	0	18	0	0	0	118
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.74	0.45	0.80	0.18	1.30	0.79

Intersection Summary

Description: Set to pretime to mimic field phasing

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	WBT	WBR	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	173	574	211	453	74	32	365	220	363
v/c Ratio	0.55	0.89	0.91	0.47	0.59	0.16	0.43	0.26	0.38
Control Delay	61.4	75.5	108.2	12.2	86.3	1.8	17.9	13.1	3.9
Queue Delay	3.8	8.4	0.0	0.2	0.0	0.0	3.6	2.0	1.2
Total Delay	65.2	83.9	108.2	12.3	86.3	1.8	21.5	15.1	5.1
Queue Length 50th (ft)	168	300	110	151	71	0	313	134	95
Queue Length 95th (ft)	254	371	#190	241	127	0	412	165	68
Internal Link Dist (ft)		393	464		304			193	
Turn Bay Length (ft)	280			220		100			
Base Capacity (vph)	342	706	232	967	144	209	854	862	946
Starvation Cap Reductn	0	0	0	0	0	0	390	498	369
Spillback Cap Reductn	100	103	0	94	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.71	0.95	0.91	0.52	0.51	0.15	0.79	0.60	0.63

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBR	NBT	SBT	SBR
Lane Group Flow (vph)	474	1321	1663	542
v/c Ratio	0.86	0.50	0.63	0.45
Control Delay	64.1	6.4	11.1	1.8
Queue Delay	0.2	1.9	1.6	0.0
Total Delay	64.3	8.3	12.8	1.8
Queue Length 50th (ft)	215	198	361	0
Queue Length 95th (ft)	272	m220	517	35
Internal Link Dist (ft)		396	965	
Turn Bay Length (ft)				
Base Capacity (vph)	691	2626	2626	1211
Starvation Cap Reductn	0	1088	345	0
Spillback Cap Reductn	14	0	732	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.70	0.86	0.88	0.45

Intersection Summary

m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	305	232	284	232	84	653	95	1042	337	1358	442
v/c Ratio	0.94	0.68	0.61	0.76	0.26	1.04	0.82	0.97	1.04	0.86	0.58
Control Delay	95.7	66.5	22.5	72.2	52.2	71.4	111.0	69.8	112.2	44.4	20.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	24.8	1.0
Total Delay	95.7	66.5	22.5	72.2	52.2	71.4	111.0	70.8	112.2	69.2	21.7
Queue Length 50th (ft)	287	206	89	202	67	289	91	~581	~349	675	233
Queue Length 95th (ft)	#467	302	151	297	117	#612	#201	#721	#546	#797	285
Internal Link Dist (ft)		351			536			1138		396	
Turn Bay Length (ft)	80		35	60		60	100				160
Base Capacity (vph)	329	346	466	366	385	625	117	1071	324	1572	762
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	271	129
Spillback Cap Reductn	0	0	0	0	0	0	0	7	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.93	0.67	0.61	0.63	0.22	1.04	0.81	0.98	1.04	1.04	0.70

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	263	611	337	421	684	295
v/c Ratio	0.83	0.70	0.77	0.40	0.93	0.38
Control Delay	57.8	22.9	43.0	4.5	45.3	3.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	57.8	22.9	43.0	4.5	45.3	3.8
Queue Length 50th (ft)	141	253	173	50	348	0
Queue Length 95th (ft)	#277	374	268	86	#598	48
Internal Link Dist (ft)		1605	2056		964	
Turn Bay Length (ft)	160			230	75	
Base Capacity (vph)	347	1004	539	1077	793	822
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.76	0.61	0.63	0.39	0.86	0.36

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	WBL	WBT	NBT	SBL	SBR
Lane Group Flow (vph)	1863	42	305	63	305	168
v/c Ratio	0.93	0.43	0.26	0.32	0.90	0.40
Control Delay	31.0	59.6	9.2	4.3	69.4	9.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	31.0	59.6	9.2	4.3	69.4	9.0
Queue Length 50th (ft)	~597	27	81	0	193	0
Queue Length 95th (ft)	#795	#66	124	3	#354	55
Internal Link Dist (ft)	1169		1	255		
Turn Bay Length (ft)		80				
Base Capacity (vph)	2033	98	1262	201	356	429
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.92	0.43	0.24	0.31	0.86	0.39

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	WBL	WBT
Lane Group Flow (vph)	2190	105	347
v/c Ratio	0.80	0.53	0.10
Control Delay	8.1	46.2	0.1
Queue Delay	0.0	0.0	0.0
Total Delay	8.1	46.2	0.1
Queue Length 50th (ft)	233	44	0
Queue Length 95th (ft)	428	118	0
Internal Link Dist (ft)	1		1248
Turn Bay Length (ft)		350	
Base Capacity (vph)	3103	314	3539
Starvation Cap Reductn	0	0	0
Spillback Cap Reductn	0	0	0
Storage Cap Reductn	0	0	0
Reduced v/c Ratio	0.71	0.33	0.10

Intersection Summary



Lane Group	EBL	EBT	WBT	WBR	NBL	NBT
Lane Group Flow (vph)	474	1021	242	84	211	95
v/c Ratio	0.91	0.50	0.66	0.19	0.90	0.48
Control Delay	53.4	11.3	40.3	0.9	76.5	43.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	53.4	11.3	40.3	0.9	76.5	43.6
Queue Length 50th (ft)	230	152	118	0	109	46
Queue Length 95th (ft)	#451	197	193	0	#257	100
Internal Link Dist (ft)		1248	1726			753
Turn Bay Length (ft)	115			180	190	
Base Capacity (vph)	536	2350	510	550	235	197
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.88	0.43	0.47	0.15	0.90	0.48

Intersection Summary

Description: 3 seconds of all red was added to all phase plus an additional 1.5 seconds to each of the two yellow phase to mimic the time loss to the bike p

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.



Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Group Flow (vph)	1000	2263	95	684	1621
v/c Ratio	0.89	0.65	0.75	0.34	0.72
Control Delay	38.8	0.9	75.0	9.8	20.7
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	38.8	0.9	75.0	9.8	20.7
Queue Length 50th (ft)	254	0	51	93	247
Queue Length 95th (ft)	#405	0	#139	125	300
Internal Link Dist (ft)	658			1165	738
Turn Bay Length (ft)			180		
Base Capacity (vph)	1197	3502	133	2354	2703
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.84	0.65	0.71	0.29	0.60

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	232	95	63	84	74	305	158	600	168	221	1653
v/c Ratio	0.89	0.35	0.20	0.46	0.38	0.71	0.89	0.71	0.23	0.84	0.96
Control Delay	90.7	58.3	1.4	65.8	63.0	15.9	105.2	36.6	9.2	82.8	45.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	90.7	58.3	1.4	65.8	63.0	15.9	105.2	36.6	9.2	82.8	45.5
Queue Length 50th (ft)	220	82	0	73	64	0	152	462	28	204	758
Queue Length 95th (ft)	#386	142	0	130	117	95	#302	614	76	#332	#941
Internal Link Dist (ft)		920			701			1175			1055
Turn Bay Length (ft)				110		110	85		200	190	
Base Capacity (vph)	272	287	329	256	270	477	177	901	756	306	1913
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.85	0.33	0.19	0.33	0.27	0.64	0.89	0.67	0.22	0.72	0.86

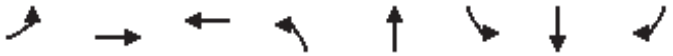
Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	231	1579	116	53	1347
v/c Ratio	0.49	0.77	0.08	0.26	0.66
Control Delay	38.0	17.9	2.9	46.1	6.3
Queue Delay	0.0	0.5	0.0	0.0	0.2
Total Delay	38.0	18.4	2.9	46.1	6.5
Queue Length 50th (ft)	55	285	10	29	98
Queue Length 95th (ft)	113	552	31	76	201
Internal Link Dist (ft)	928		365	360	
Turn Bay Length (ft)					
Base Capacity (vph)	710	2635	1695	359	2408
Starvation Cap Reductn	0	572	0	0	346
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.33	0.77	0.07	0.15	0.65

Intersection Summary

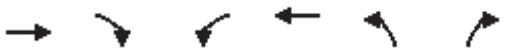


Lane Group	EBL	EBT	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	495	105	43	89	937	21	937	600
v/c Ratio	1.08	0.18	0.08	0.96	0.93	0.26	0.99	0.65
Control Delay	106.4	10.1	24.7	145.0	45.2	70.0	58.9	11.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	39.3	2.3
Total Delay	106.4	10.1	24.7	145.0	45.2	70.0	98.3	13.9
Queue Length 50th (ft)	~482	12	19	79	786	18	787	128
Queue Length 95th (ft)	#703	55	48	#192	#1098	47	#1095	258
Internal Link Dist (ft)		713	111		622		360	
Turn Bay Length (ft)								
Base Capacity (vph)	460	583	563	93	1009	85	950	920
Starvation Cap Reductn	0	0	0	0	0	0	265	195
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.08	0.18	0.08	0.96	0.93	0.25	1.37	0.83

Intersection Summary

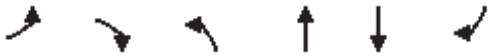
~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	395	326	674	379	605	700
v/c Ratio	0.68	0.63	0.68	0.41	0.53	0.68
Control Delay	48.9	10.3	37.8	18.1	33.9	12.4
Queue Delay	0.0	0.0	0.8	1.2	0.0	0.0
Total Delay	48.9	10.3	38.6	19.3	33.9	12.4
Queue Length 50th (ft)	137	0	213	156	182	218
Queue Length 95th (ft)	187	80	258	200	260	344
Internal Link Dist (ft)	871			304	424	
Turn Bay Length (ft)					150	
Base Capacity (vph)	667	545	1173	1064	1153	1074
Starvation Cap Reductn	0	0	226	461	0	5
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.59	0.60	0.71	0.63	0.52	0.65

Intersection Summary



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	963	132	116	84	538	525
v/c Ratio	0.98	0.15	0.83	0.13	1.19	0.73
Control Delay	44.7	2.2	85.8	21.4	128.2	9.8
Queue Delay	42.9	0.0	0.0	0.0	0.0	0.0
Total Delay	87.6	2.2	85.8	21.4	128.2	9.8
Queue Length 50th (ft)	492	0	66	33	~309	0
Queue Length 95th (ft)	#789	24	#163	65	#518	103
Internal Link Dist (ft)	304			65	1294	
Turn Bay Length (ft)						
Base Capacity (vph)	1004	893	139	638	454	720
Starvation Cap Reductn	209	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.21	0.15	0.83	0.13	1.19	0.73

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	295	337	537	126	400
v/c Ratio	0.58	0.50	0.53	0.36	0.23
Control Delay	21.4	5.2	16.4	24.0	6.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	21.4	5.2	16.4	24.0	6.8
Queue Length 50th (ft)	73	0	63	32	27
Queue Length 95th (ft)	156	50	117	86	54
Internal Link Dist (ft)	646		611		592
Turn Bay Length (ft)					
Base Capacity (vph)	778	863	1553	419	2512
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.38	0.39	0.35	0.30	0.16

Intersection Summary



Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	158	84	1200	137	1032
v/c Ratio	0.46	0.23	0.71	0.59	0.41
Control Delay	25.0	6.9	21.9	38.0	5.7
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	25.0	6.9	21.9	38.0	5.7
Queue Length 50th (ft)	49	0	200	45	71
Queue Length 95th (ft)	95	28	#402	#127	154
Internal Link Dist (ft)	1499		980		859
Turn Bay Length (ft)	250			250	
Base Capacity (vph)	575	554	1682	238	2528
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.27	0.15	0.71	0.58	0.41

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	147	337	158	747	200	769	105	484
v/c Ratio	0.69	0.61	0.70	1.32	1.46	0.75	0.64	0.57
Control Delay	59.5	29.2	60.0	186.6	273.9	28.1	57.9	25.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	59.5	29.2	60.0	186.6	273.9	28.1	57.9	25.2
Queue Length 50th (ft)	82	145	88	~563	~161	128	58	96
Queue Length 95th (ft)	#212	236	#228	#785	#298	210	#126	137
Internal Link Dist (ft)		1066		876		637		1292
Turn Bay Length (ft)	250		250		250		250	
Base Capacity (vph)	214	553	225	564	137	1091	171	1026
Starvation Cap Reductn	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.61	0.70	1.32	1.46	0.70	0.61	0.47

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	53	579	253	537	211	610	74	348
v/c Ratio	0.51	1.09	0.92	0.71	0.83	1.04	0.71	0.78
Control Delay	72.2	102.0	87.7	35.9	75.2	85.0	89.9	53.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	24.1	0.0	0.0
Total Delay	72.2	102.0	87.7	35.9	75.2	109.1	89.9	53.7
Queue Length 50th (ft)	41	~478	195	348	159	~494	57	246
Queue Length 95th (ft)	#86	#703	#349	487	#274	#724	#136	#395
Internal Link Dist (ft)		637		648		319		139
Turn Bay Length (ft)	250		250					
Base Capacity (vph)	104	532	279	757	276	587	104	448
Starvation Cap Reductn	0	0	0	0	0	126	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.51	1.09	0.91	0.71	0.76	1.32	0.71	0.78

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	305	189	1064	126	1063
v/c Ratio	0.62	0.34	0.76	0.52	0.55
Control Delay	25.0	4.8	21.4	37.4	9.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	25.0	4.8	21.4	37.4	9.8
Queue Length 50th (ft)	100	0	166	44	102
Queue Length 95th (ft)	168	37	#336	#129	211
Internal Link Dist (ft)	3409		547		980
Turn Bay Length (ft)	250			250	
Base Capacity (vph)	852	839	1625	248	2347
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.36	0.23	0.65	0.51	0.45

Intersection Summary

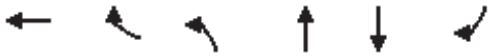
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Group Flow (vph)	158	137	368	842	610
v/c Ratio	0.49	0.35	0.86	0.36	0.46
Control Delay	36.2	7.3	53.2	7.8	21.6
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	36.2	7.3	53.2	7.8	21.6
Queue Length 50th (ft)	85	0	192	85	73
Queue Length 95th (ft)	125	42	#349	150	193
Internal Link Dist (ft)	3409			723	637
Turn Bay Length (ft)	250		250		
Base Capacity (vph)	491	524	450	2338	1324
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.32	0.26	0.82	0.36	0.46

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBT	WBR	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	1221	684	105	379	989	379
v/c Ratio	0.86	0.81	0.55	0.23	0.93	0.73
Control Delay	37.3	21.8	57.0	17.9	51.7	31.7
Queue Delay	0.0	0.0	0.2	0.8	0.0	0.0
Total Delay	37.3	21.8	57.2	18.7	51.7	31.7
Queue Length 50th (ft)	396	196	71	84	374	180
Queue Length 95th (ft)	#569	#460	123	106	#520	314
Internal Link Dist (ft)	1234			164	547	
Turn Bay Length (ft)		250				
Base Capacity (vph)	1425	841	289	1804	1069	521
Starvation Cap Reductn	0	0	20	1108	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.86	0.81	0.39	0.54	0.93	0.73

Intersection Summary

Description: 300 car are expected to make the texas u-turn thus not entering the intersection

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	NBT	SBL	SBT
Lane Group Flow (vph)	358	1095	63	1147	63
v/c Ratio	0.63	0.97	0.25	0.82	0.08
Control Delay	44.4	64.9	40.9	41.9	27.5
Queue Delay	0.0	0.0	0.0	49.4	0.0
Total Delay	44.4	64.9	40.9	91.3	27.5
Queue Length 50th (ft)	263	~516	38	487	36
Queue Length 95th (ft)	376	#655	80	#633	70
Internal Link Dist (ft)		1870	317		164
Turn Bay Length (ft)	250				
Base Capacity (vph)	567	1126	349	1398	758
Starvation Cap Reductn	0	0	0	551	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.63	0.97	0.18	1.35	0.08

Intersection Summary

Description: 100 cars are expected to make the texas u turn thus not entering the intersection

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBR	NBT
Lane Group Flow (vph)	368	1263
v/c Ratio	0.72	0.78
Control Delay	20.6	13.8
Queue Delay	0.0	0.0
Total Delay	20.6	13.8
Queue Length 50th (ft)	74	102
Queue Length 95th (ft)	149	#272
Internal Link Dist (ft)		594
Turn Bay Length (ft)		
Base Capacity (vph)	767	1723
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.48	0.73

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	189	853	621	189	126
v/c Ratio	0.66	0.42	0.69	0.55	0.33
Control Delay	38.9	8.5	23.5	29.4	7.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	38.9	8.5	23.5	29.4	7.4
Queue Length 50th (ft)	69	82	97	67	0
Queue Length 95th (ft)	#166	143	164	123	37
Internal Link Dist (ft)		1709	357	693	
Turn Bay Length (ft)	150				
Base Capacity (vph)	310	2246	1057	532	529
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.61	0.38	0.59	0.36	0.24

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group
Lane Group Flow (vph)
v/c Ratio
Control Delay
Queue Delay
Total Delay
Queue Length 50th (ft)
Queue Length 95th (ft)
Internal Link Dist (ft)
Turn Bay Length (ft)
Base Capacity (vph)
Starvation Cap Reductn
Spillback Cap Reductn
Storage Cap Reductn
Reduced v/c Ratio

Intersection Summary



Lane Group	WBL	NBT	SBT
Lane Group Flow (vph)	337	1584	2205
v/c Ratio	no cap	0.85	0.62
Control Delay		6.7	0.8
Queue Delay		0.0	0.0
Total Delay	Error	6.7	0.8
Queue Length 50th (ft)	0	0	0
Queue Length 95th (ft)	0	#27	0
Internal Link Dist (ft)	395	209	707
Turn Bay Length (ft)			
Base Capacity (vph)	1	1863	3539
Starvation Cap Reductn	0	0	0
Spillback Cap Reductn	0	0	0
Storage Cap Reductn	0	0	0
Reduced v/c Ratio	337.00	0.85	0.62

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group
Lane Group Flow (vph)
v/c Ratio
Control Delay
Queue Delay
Total Delay
Queue Length 50th (ft)
Queue Length 95th (ft)
Internal Link Dist (ft)
Turn Bay Length (ft)
Base Capacity (vph)
Starvation Cap Reductn
Spillback Cap Reductn
Storage Cap Reductn
Reduced v/c Ratio

Intersection Summary

Lane Group
Lane Group Flow (vph)
v/c Ratio
Control Delay
Queue Delay
Total Delay
Queue Length 50th (ft)
Queue Length 95th (ft)
Internal Link Dist (ft)
Turn Bay Length (ft)
Base Capacity (vph)
Starvation Cap Reductn
Spillback Cap Reductn
Storage Cap Reductn
Reduced v/c Ratio

Intersection Summary



Lane Group	EBL	EBT
Lane Group Flow (vph)	158	579
v/c Ratio	0.36	0.74
Control Delay	11.4	9.7
Queue Delay	0.0	0.0
Total Delay	11.4	9.7
Queue Length 50th (ft)	22	25
Queue Length 95th (ft)	52	87
Internal Link Dist (ft)		968
Turn Bay Length (ft)		
Base Capacity (vph)	627	959
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.25	0.60

Intersection Summary



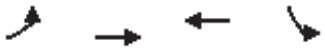
Lane Group	WBT
Lane Group Flow (vph)	1484
v/c Ratio	0.43
Control Delay	0.4
Queue Delay	0.0
Total Delay	0.4
Queue Length 50th (ft)	0
Queue Length 95th (ft)	0
Internal Link Dist (ft)	1497
Turn Bay Length (ft)	
Base Capacity (vph)	3412
Starvation Cap Reductn	0
Spillback Cap Reductn	0
Storage Cap Reductn	0
Reduced v/c Ratio	0.43

Intersection Summary



Lane Group	WBL
Lane Group Flow (vph)	366
v/c Ratio	no cap
Control Delay	
Queue Delay	
Total Delay	Error
Queue Length 50th (ft)	0
Queue Length 95th (ft)	0
Internal Link Dist (ft)	371
Turn Bay Length (ft)	
Base Capacity (vph)	1
Starvation Cap Reductn	0
Spillback Cap Reductn	0
Storage Cap Reductn	0
Reduced v/c Ratio	366.00

Intersection Summary



Lane Group	EBL	EBT	WBT	SBL
Lane Group Flow (vph)	53	642	821	295
v/c Ratio	0.29	0.86	1.11	0.42
Control Delay	13.2	27.1	84.7	8.3
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	13.2	27.1	84.7	8.3
Queue Length 50th (ft)	8	123	~224	30
Queue Length 95th (ft)	28	#281	#393	72
Internal Link Dist (ft)		648	609	572
Turn Bay Length (ft)	250			
Base Capacity (vph)	185	745	741	696
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.29	0.86	1.11	0.42

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Lane Group	WBL	WBR	NBT	SBL	SBT
Lane Group Flow (vph)	595	237	1126	394	1342
v/c Ratio	1.58	0.48	0.73	7.16	6.93dl
Control Delay	306.4	8.5	29.3	2819.3	1094.3
Queue Delay	0.0	0.0	0.0	0.0	0.7
Total Delay	306.4	8.5	29.3	2819.3	1095.0
Queue Length 50th (ft)	~656	0	355	~626	~1029
Queue Length 95th (ft)	#885	73	439	#846	#1174
Internal Link Dist (ft)	318		256		133
Turn Bay Length (ft)					
Base Capacity (vph)	376	494	1534	55	397
Starvation Cap Reductn	0	0	0	0	27
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.58	0.48	0.73	7.16	3.63

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

dl Defacto Left Lane. Recode with 1 though lane as a left lane.

Lane Group	EBT	SEL
Lane Group Flow (vph)	305	1253
v/c Ratio	0.41	1.36
Control Delay	10.7	184.8
Queue Delay	0.0	0.0
Total Delay	10.7	184.8
Queue Length 50th (ft)	46	~346
Queue Length 95th (ft)	90	#543
Internal Link Dist (ft)	385	676
Turn Bay Length (ft)		
Base Capacity (vph)	745	922
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	0.41	1.36

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Lane Group
Lane Group Flow (vph)
v/c Ratio
Control Delay
Queue Delay
Total Delay
Queue Length 50th (ft)
Queue Length 95th (ft)
Internal Link Dist (ft)
Turn Bay Length (ft)
Base Capacity (vph)
Starvation Cap Reductn
Spillback Cap Reductn
Storage Cap Reductn
Reduced v/c Ratio

Intersection Summary



Lane Group	WBT	SWR
Lane Group Flow (vph)	1158	1063
v/c Ratio	1.55	0.98
Control Delay	274.8	38.8
Queue Delay	0.0	0.0
Total Delay	274.8	38.8
Queue Length 50th (ft)	~393	121
Queue Length 95th (ft)	#575	#250
Internal Link Dist (ft)	585	
Turn Bay Length (ft)		
Base Capacity (vph)	745	1084
Starvation Cap Reductn	0	0
Spillback Cap Reductn	0	0
Storage Cap Reductn	0	0
Reduced v/c Ratio	1.55	0.98

Intersection Summary
~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Appendix J
HCS Analysis Worksheets
Four Lane Via Las Cumbres Alternative

AM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2644*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*59018*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2644*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1399*	pc/h/ln
S	*69.5*	mph
D = v_p / S	*20.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4196*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*95355*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4196*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1480*	pc/h/ln
S	*69.1*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6141*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*134671*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6141*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2187*	pc/h/ln
S	*58.7*	mph
D = v_p / S	*37.3*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7965*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174680*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7965*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2127*	pc/h/ln
S	*60.0*	mph
D = v_p / S	*35.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7078*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*155213*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7078*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1891*	pc/h/ln
S	*64.5*	mph
D = v_p / S	*29.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7654*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*167843*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7654*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1636*	pc/h/ln
S	*64.2*	mph
D = v_p / S	*25.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*SR-163 to Mission Center Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6617*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*145100*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6617*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1767*	pc/h/ln
S	*66.3*	mph
D = v_p / S	*26.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8568*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*187895*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8568*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2289*	pc/h/ln
S	*53.8*	mph
D = v_p / S	*42.6*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Qualcomm Way/TX St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6082*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*133380*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6082*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1625*	pc/h/ln
S	*64.3*	mph
D = v_p / S	*25.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8871*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*194532*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8871*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1896*	pc/h/ln
S	*64.4*	mph
D = v_p / S	*29.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7411*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*157009*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*7411*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1989*	pc/h/ln
S	*62.8*	mph
D = v_p / S	*31.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-5 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Seaworld Dr/Tecolote Rd to I-8*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10478*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242554*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*10478*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2239*	pc/h/ln
S	*57.5*	mph
D = v_p / S	*39.0*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10564*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244532*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*10564*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2836*	pc/h/ln
S	*39.0*	mph
D = v_p / S	*72.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10924*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*212935*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10924*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2346*	pc/h/ln
S	*54.8*	mph
D = v_p / S	*42.8*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7098*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173978*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7098*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2540*	pc/h/ln
S	*49.2*	mph
D = v_p / S	*51.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7554*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*185137*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7554*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.81*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2690*	pc/h/ln
S	*44.2*	mph
D = v_p / S	*60.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6277*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*153846*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6277*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.72*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.5*	mph
FFS	*67.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2235*	pc/h/ln
S	*57.6*	mph
D = v_p / S	*38.8*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mesa Col Dr to Murray Ridge Rd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*14917*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*266369*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*14917*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3250*	pc/h/ln
S	*21.3*	mph
D = v_p / S	*152.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11575*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257215*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*11575*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2522*	pc/h/ln
S	*49.7*	mph
D = v_p / S	*50.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11418*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*253739*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*11418*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3110*	pc/h/ln
S	*27.7*	mph
D = v_p / S	*112.3*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10128*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*225070*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*10128*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2759*	pc/h/ln
S	*41.8*	mph
D = v_p / S	*66.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*12374*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257793*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*12374*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3338*	pc/h/ln
S	*17.0*	mph
D = v_p / S	*196.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10520*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257834*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10520*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2237*	pc/h/ln
S	*57.5*	mph
D = v_p / S	*38.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8786*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*215341*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8786*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2335*	pc/h/ln
S	*55.1*	mph
D = v_p / S	*42.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8374*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205233*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8374*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2226*	pc/h/ln
S	*57.8*	mph
D = v_p / S	*38.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2894*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*73816*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2894*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1531*	pc/h/ln
S	*68.7*	mph
D = v_p / S	*22.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4444*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*115421*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4444*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1567*	pc/h/ln
S	*68.4*	mph
D = v_p / S	*22.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7114*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*178299*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7114*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1900*	pc/h/ln
S	*64.3*	mph
D = v_p / S	*29.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9228*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*231269*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9228*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1972*	pc/h/ln
S	*63.1*	mph
D = v_p / S	*31.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8199*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205496*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8199*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2190*	pc/h/ln
S	*58.6*	mph
D = v_p / S	*37.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8866*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*222218*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8866*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1895*	pc/h/ln
S	*61.5*	mph
D = v_p / S	*30.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*SR-163 to Mission Center Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7665*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*192106*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7665*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2047*	pc/h/ln
S	*59.1*	mph
D = v_p / S	*34.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9926*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*248765*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9926*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2651*	pc/h/ln
S	*42.8*	mph
D = v_p / S	*61.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Qualcomm Way/TX St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7046*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*176590*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7046*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1882*	pc/h/ln
S	*61.7*	mph
D = v_p / S	*30.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10276*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257553*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10276*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2196*	pc/h/ln
S	*58.5*	mph
D = v_p / S	*37.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9424*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228194*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*9424*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2024*	pc/h/ln
S	*62.1*	mph
D = v_p / S	*32.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7810*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*206620*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*7810*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1669*	pc/h/ln
S	*67.4*	mph
D = v_p / S	*24.7*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7874*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208305*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*7874*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1691*	pc/h/ln
S	*67.2*	mph
D = v_p / S	*25.2*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7316*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*160439*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7316*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1964*	pc/h/ln
S	*63.2*	mph
D = v_p / S	*31.1*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Friars Road to I-8 Interchange*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7359*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*180356*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7359*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1580*	pc/h/ln
S	*68.3*	mph
D = v_p / S	*23.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7830*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*191924*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7830*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.48*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.9*	mph
FFS	*68.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2091*	pc/h/ln
S	*60.8*	mph
D = v_p / S	*34.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*6th Avenue to Washington St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6507*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*159486*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6507*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.36*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3476*	pc/h/ln
S	*9.9*	mph
D = v_p / S	*350.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Mesa Col Dr to Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6411*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*114485*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*6411*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1397*	pc/h/ln
S	*69.5*	mph
D = v_p / S	*20.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5255*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*87577*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*5255*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1145*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*16.4*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5184*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*86394*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*5184*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*941*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*13.4*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4598*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*76632*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4598*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1002*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*14.3*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8086*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*168452*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*8086*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1745*	pc/h/ln
S	*66.6*	mph
D = v_p / S	*26.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11157*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*273454*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*11157*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2372*	pc/h/ln
S	*51.6*	mph
D = v_p / S	*46.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9318*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228387*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9318*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1981*	pc/h/ln
S	*62.9*	mph
D = v_p / S	*31.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
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LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8881*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*217666*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8881*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1888*	pc/h/ln
S	*64.5*	mph
D = v_p / S	*29.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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PM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3307*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*73816*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*3307*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1749*	pc/h/ln
S	*66.5*	mph
D = v_p / S	*26.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5079*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*115421*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*5079*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1791*	pc/h/ln
S	*65.9*	mph
D = v_p / S	*27.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8130*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*178299*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8130*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2895*	pc/h/ln
S	*36.7*	mph
D = v_p / S	*78.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10546*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*231269*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10546*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2817*	pc/h/ln
S	*39.7*	mph
D = v_p / S	*71.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9371*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205496*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9371*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2503*	pc/h/ln
S	*50.3*	mph
D = v_p / S	*49.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10133*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*222218*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10133*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2165*	pc/h/ln
S	*56.7*	mph
D = v_p / S	*38.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*SR-163 to Mission Center Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8760*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*192106*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8760*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2340*	pc/h/ln
S	*54.9*	mph
D = v_p / S	*42.6*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11344*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*248765*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11344*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3030*	pc/h/ln
S	*27.3*	mph
D = v_p / S	*110.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Qualcomm Way/Texas St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8053*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*176590*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8053*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2151*	pc/h/ln
S	*57.0*	mph
D = v_p / S	*37.7*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11744*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257553*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11744*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2510*	pc/h/ln
S	*50.1*	mph
D = v_p / S	*50.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10771*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228194*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*10771*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2891*	pc/h/ln
S	*36.8*	mph
D = v_p / S	*78.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-5 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Seaworld Dr/Tecolote Rd to I-8*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8926*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*206620*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*8926*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1907*	pc/h/ln
S	*64.2*	mph
D = v_p / S	*29.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8999*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208305*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*8999*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2416*	pc/h/ln
S	*52.8*	mph
D = v_p / S	*45.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8231*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*160439*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8231*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1767*	pc/h/ln
S	*66.3*	mph
D = v_p / S	*26.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7359*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*180356*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7359*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2634*	pc/h/ln
S	*46.1*	mph
D = v_p / S	*57.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7830*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*191924*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7830*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.60*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2789*	pc/h/ln
S	*40.7*	mph
D = v_p / S	*68.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6507*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*159486*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6507*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.40*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2317*	pc/h/ln
S	*55.5*	mph
D = v_p / S	*41.7*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6411*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*114485*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*6411*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1397*	pc/h/ln
S	*69.5*	mph
D = v_p / S	*20.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3941*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*87577*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3941*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*859*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*12.3*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3888*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*86394*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3888*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1059*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*15.1*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3448*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*76632*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3448*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*939*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*13.4*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8086*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*168452*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*8086*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2181*	pc/h/ln
S	*58.8*	mph
D = v_p / S	*37.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11157*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*273454*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*11157*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2372*	pc/h/ln
S	*54.1*	mph
D = v_p / S	*43.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9318*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228387*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9318*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2477*	pc/h/ln
S	*51.1*	mph
D = v_p / S	*48.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8881*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*217666*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8881*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2360*	pc/h/ln
S	*54.4*	mph
D = v_p / S	*43.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2314*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*59018*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2314*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1224*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*17.5*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sports Arena Boulevard to I-5*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3671*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*95355*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*3671*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1295*	pc/h/ln
S	*69.9*	mph
D = v_p / S	*18.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5373*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*134671*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5373*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1435*	pc/h/ln
S	*69.4*	mph
D = v_p / S	*20.7*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6970*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174680*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6970*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1489*	pc/h/ln
S	*69.0*	mph
D = v_p / S	*21.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6193*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*155213*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6193*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1654*	pc/h/ln
S	*67.6*	mph
D = v_p / S	*24.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6697*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*167843*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6697*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1431*	pc/h/ln
S	*65.0*	mph
D = v_p / S	*22.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*SR-163 to Mission Center Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5789*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*145100*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5789*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1546*	pc/h/ln
S	*64.7*	mph
D = v_p / S	*23.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7497*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*187895*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7497*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2002*	pc/h/ln
S	*59.9*	mph
D = v_p / S	*33.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Qualcomm Way/Texas St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5322*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*133380*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5322*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1422*	pc/h/ln
S	*65.0*	mph
D = v_p / S	*21.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7762*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*194532*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7762*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1659*	pc/h/ln
S	*67.6*	mph
D = v_p / S	*24.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6484*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*157009*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*6484*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1392*	pc/h/ln
S	*69.6*	mph
D = v_p / S	*20.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9169*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242554*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9169*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1959*	pc/h/ln
S	*63.3*	mph
D = v_p / S	*30.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9243*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244532*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9243*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1985*	pc/h/ln
S	*62.9*	mph
D = v_p / S	*31.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9710*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*212935*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9710*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2606*	pc/h/ln
S	*47.1*	mph
D = v_p / S	*55.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7098*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173978*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7098*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1524*	pc/h/ln
S	*68.8*	mph
D = v_p / S	*22.2*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to 6th Avenue*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7554*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*185137*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7554*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2018*	pc/h/ln
S	*62.2*	mph
D = v_p / S	*32.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*6th Avenue to Washington St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6277*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*153846*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6277*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3353*	pc/h/ln
S	*16.2*	mph
D = v_p / S	*206.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*14917*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*266369*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*14917*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3250*	pc/h/ln
S	*21.3*	mph
D = v_p / S	*152.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*15433*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257215*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*15433*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3363*	pc/h/ln
S	*15.7*	mph
D = v_p / S	*213.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*15224*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*253739*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*15224*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2764*	pc/h/ln
S	*41.6*	mph
D = v_p / S	*66.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13504*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*225070*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*13504*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2942*	pc/h/ln
S	*34.8*	mph
D = v_p / S	*84.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*12374*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257793*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*12374*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2670*	pc/h/ln
S	*44.9*	mph
D = v_p / S	*59.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Friars Road to I-8 Interchange*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10520*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*257834*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10520*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2237*	pc/h/ln
S	*55.1*	mph
D = v_p / S	*40.6*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8786*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*215341*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8786*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1868*	pc/h/ln
S	*64.8*	mph
D = v_p / S	*28.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Proposed*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8374*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205233*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8374*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1781*	pc/h/ln
S	*66.1*	mph
D = v_p / S	*27.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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Appendix K
Peak Hour Intersection Worksheets
Mitigated Four Lane Via Las Cumbres Alternative

AM Peak Hour

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	835	420	385	405	0	0	0	0	280	0	690
Future Volume (veh/h)	0	835	420	385	405	0	0	0	0	280	0	690
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	0	1863
Adj Flow Rate, veh/h	0	879	407	405	426	0				295	0	706
Adj No. of Lanes	0	2	1	2	1	0				1	0	3
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95				0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0				2	0	2
Cap, veh/h	0	1216	528	524	1064	0				440	0	896
Arrive On Green	0.00	0.34	0.34	0.15	0.57	0.00				0.25	0.00	0.25
Sat Flow, veh/h	0	3632	1537	3442	1863	0				1774	0	3610
Grp Volume(v), veh/h	0	879	407	405	426	0				295	0	706
Grp Sat Flow(s),veh/h/ln	0	1770	1537	1721	1863	0				1774	0	1203
Q Serve(g_s), s	0.0	13.6	14.8	7.1	8.0	0.0				9.4	0.0	11.4
Cycle Q Clear(g_c), s	0.0	13.6	14.8	7.1	8.0	0.0				9.4	0.0	11.4
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1216	528	524	1064	0				440	0	896
V/C Ratio(X)	0.00	0.72	0.77	0.77	0.40	0.00				0.67	0.00	0.79
Avail Cap(c_a), veh/h	0	1878	816	842	1584	0				1290	0	2626
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	17.9	18.3	25.5	7.5	0.0				21.2	0.0	22.0
Incr Delay (d2), s/veh	0.0	0.3	0.9	0.9	0.1	0.0				0.7	0.0	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	6.6	6.4	3.4	4.1	0.0				4.7	0.0	3.8
LnGrp Delay(d),s/veh	0.0	18.2	19.2	26.4	7.5	0.0				21.9	0.0	22.6
LnGrp LOS		B	B	C	A					C		C
Approach Vol, veh/h		1286			831						1001	
Approach Delay, s/veh		18.6			16.7						22.4	
Approach LOS		B			B						C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	14.2	27.3		21.0		41.5		
Change Period (Y+Rc), s	* 4.7	5.8		5.5		5.8		
Max Green Setting (Gmax), s	* 15	33.2		45.5		53.2		
Max Q Clear Time (g_c+I1), s	9.1	16.8		13.4		10.0		
Green Ext Time (p_c), s	0.5	4.6		2.1		1.7		

Intersection Summary	
HCM 2010 Ctrl Delay	19.3
HCM 2010 LOS	B

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	735	360	0	0	470	280	320	20	475	0	0	0
Future Volume (veh/h)	735	360	0	0	470	280	320	20	475	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		0.96			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	774	379	0	0	495	48	352	0	284			
Adj No. of Lanes	2	1	0	0	2	0	2	0	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	849	1079	0	0	882	85	986	0	424			
Arrive On Green	0.25	0.58	0.00	0.00	0.27	0.27	0.28	0.00	0.28			
Sat Flow, veh/h	3442	1863	0	0	3347	314	3548	0	1526			
Grp Volume(v), veh/h	774	379	0	0	268	275	352	0	284			
Grp Sat Flow(s),veh/h/ln	1721	1863	0	0	1770	1799	1774	0	1526			
Q Serve(g_s), s	16.7	8.2	0.0	0.0	10.0	10.0	6.1	0.0	12.6			
Cycle Q Clear(g_c), s	16.7	8.2	0.0	0.0	10.0	10.0	6.1	0.0	12.6			
Prop In Lane	1.00		0.00	0.00		0.17	1.00		1.00			
Lane Grp Cap(c), veh/h	849	1079	0	0	480	487	986	0	424			
V/C Ratio(X)	0.91	0.35	0.00	0.00	0.56	0.56	0.36	0.00	0.67			
Avail Cap(c_a), veh/h	870	1466	0	0	836	850	2044	0	879			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	28.0	8.5	0.0	0.0	23.9	24.0	22.1	0.0	24.5			
Incr Delay (d2), s/veh	13.1	0.1	0.0	0.0	0.4	0.4	0.1	0.0	0.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	9.5	4.2	0.0	0.0	4.9	5.0	3.0	0.0	5.4			
LnGrp Delay(d),s/veh	41.0	8.6	0.0	0.0	24.3	24.3	22.2	0.0	25.1			
LnGrp LOS	D	A			C	C	C		C			
Approach Vol, veh/h		1153			543			636				
Approach Delay, s/veh		30.3			24.3			23.5				
Approach LOS		C			C			C				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		50.1			23.6	26.5		26.3
Change Period (Y+Rc), s		5.8			* 4.7	5.8		5.1
Max Green Setting (Gmax), s		60.1			* 19	36.1		44.0
Max Q Clear Time (g_c+I1), s		10.2			18.7	12.0		14.6
Green Ext Time (p_c), s		1.5			0.2	2.0		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	27.1
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	340	20	350	570	570	0	0	400	240
Future Volume (veh/h)	0	0	0	340	20	350	570	570	0	0	400	240
Number				3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		0.94
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				373	0	0	600	600	0	0	421	74
Adj No. of Lanes				2	0	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				669	0	299	650	2222	0	0	637	269
Arrive On Green				0.19	0.00	0.00	0.37	0.63	0.00	0.00	0.18	0.18
Sat Flow, veh/h				3548	0	1583	1774	3632	0	0	3632	1495
Grp Volume(v), veh/h				373	0	0	600	600	0	0	421	74
Grp Sat Flow(s),veh/h/ln				1774	0	1583	1774	1770	0	0	1770	1495
Q Serve(g_s), s				6.2	0.0	0.0	21.0	4.9	0.0	0.0	7.2	2.8
Cycle Q Clear(g_c), s				6.2	0.0	0.0	21.0	4.9	0.0	0.0	7.2	2.8
Prop In Lane				1.00		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				669	0	299	650	2222	0	0	637	269
V/C Ratio(X)				0.56	0.00	0.00	0.92	0.27	0.00	0.00	0.66	0.27
Avail Cap(c_a), veh/h				1586	0	708	840	2951	0	0	987	417
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				23.9	0.0	0.0	19.7	5.4	0.0	0.0	24.8	22.9
Incr Delay (d2), s/veh				0.3	0.0	0.0	11.9	0.1	0.0	0.0	1.5	0.7
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				3.0	0.0	0.0	12.3	2.4	0.0	0.0	3.6	1.2
LnGrp Delay(d),s/veh				24.1	0.0	0.0	31.5	5.5	0.0	0.0	26.3	23.6
LnGrp LOS				C			C	A			C	C
Approach Vol, veh/h					373			1200			495	
Approach Delay, s/veh					24.1			18.5			25.9	
Approach LOS					C			B			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	29.1	18.7				47.7		17.1
Change Period (Y+Rc), s	5.3	7.0				7.0		4.9
Max Green Setting (Gmax), s	30.7	18.1				54.1		29.0
Max Q Clear Time (g_c+I1), s	23.0	9.2				6.9		8.2
Green Ext Time (p_c), s	0.7	2.4				6.2		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	21.3
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	180	5	280	0	0	0	0	960	550	290	450	0
Future Volume (veh/h)	180	5	280	0	0	0	0	960	550	290	450	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1900	1863	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	189	5	295				0	1011	511	305	474	0
Adj No. of Lanes	0	1	2				0	2	2	1	3	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	237	6	364				0	1844	1424	310	888	0
Arrive On Green	0.14	0.14	0.14				0.00	0.52	0.52	0.17	0.17	0.00
Sat Flow, veh/h	1730	46	2664				0	3632	2733	1774	5253	0
Grp Volume(v), veh/h	194	0	295				0	1011	511	305	474	0
Grp Sat Flow(s),veh/h/ln	1776	0	1332				0	1770	1367	1774	1695	0
Q Serve(g_s), s	10.3	0.0	10.5				0.0	18.6	10.7	16.7	8.3	0.0
Cycle Q Clear(g_c), s	10.3	0.0	10.5				0.0	18.6	10.7	16.7	8.3	0.0
Prop In Lane	0.97		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	243	0	364				0	1844	1424	310	888	0
V/C Ratio(X)	0.80	0.00	0.81				0.00	0.55	0.36	0.98	0.53	0.00
Avail Cap(c_a), veh/h	292	0	438				0	1844	1424	310	888	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	40.7	0.0	40.8				0.0	15.6	13.7	40.0	36.5	0.0
Incr Delay (d2), s/veh	12.3	0.0	9.3				0.0	1.2	0.7	46.6	0.6	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	5.9	0.0	4.3				0.0	9.3	4.2	12.1	3.9	0.0
LnGrp Delay(d),s/veh	53.0	0.0	50.0				0.0	16.8	14.4	86.6	37.2	0.0
LnGrp LOS	D		D					B	B	F	D	
Approach Vol, veh/h		489						1522			779	
Approach Delay, s/veh		51.2						16.0			56.5	
Approach LOS		D						B			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		55.6		18.5		23.2		
Change Period (Y+Rc), s		4.9		5.2		6.2		
Max Green Setting (Gmax), s		50.7		16.0		17.0		
Max Q Clear Time (g_c+I1), s		20.6		12.5		18.7		
Green Ext Time (p_c), s		11.8		0.8		0.0		

Intersection Summary	
HCM 2010 Ctrl Delay	33.5
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	640	930	0	0	2120	1170	0	0	390	0	0	605
Future Volume (veh/h)	640	930	0	0	2120	1170	0	0	390	0	0	605
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	1900	0	1863	1900
Adj Flow Rate, veh/h	674	979	0	0	2232	0	0	0	0	0	0	0
Adj No. of Lanes	2	3	0	0	3	1	0	1	0	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	2	0	2	2
Cap, veh/h	742	4851	0	0	3932	1114	0	1	0	0	1	0
Arrive On Green	0.14	0.64	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	3442	5253	0	0	5588	1583	0	-74510	0	0	-74510	0
Grp Volume(v), veh/h	674	979	0	0	2232	0	0	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	1721	1695	0	0	1863	1583	0	1863	0	0	1863	0
Q Serve(g_s), s	25.1	10.4	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	25.1	10.4	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	0.00		0.00
Lane Grp Cap(c), veh/h	742	4851	0	0	3932	1114	0	1	0	0	1	0
V/C Ratio(X)	0.91	0.20	0.00	0.00	0.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	940	4851	0	0	3932	1114	0	258	0	0	258	0
HCM Platoon Ratio	0.67	0.67	1.00	1.00	1.33	1.33	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.58	0.58	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	54.3	3.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	5.9	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	12.5	4.9	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh	60.2	3.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	E	A			A							
Approach Vol, veh/h		1653			2232			0			0	
Approach Delay, s/veh		26.3			1.9			0.0			0.0	
Approach LOS		C			A							

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		130.0		0.0	32.5	97.5		0.0
Change Period (Y+Rc), s		* 6		4.0	4.5	6.0		4.0
Max Green Setting (Gmax), s		* 1E2		18.0	35.5	62.0		18.0
Max Q Clear Time (g_c+I1), s		12.4		0.0	27.1	9.1		0.0
Green Ext Time (p_c), s		2.1		0.0	1.0	16.6		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	12.3
HCM 2010 LOS	B

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	90	70	130	390	250	210	570	120	150	390	140
Future Volume (veh/h)	90	90	70	130	390	250	210	570	120	150	390	140
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.96	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	95	95	42	137	411	174	221	600	110	158	411	23
Adj No. of Lanes	2	2	1	3	2	1	2	3	1	3	3	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	170	925	481	280	942	474	230	1320	448	282	1158	421
Arrive On Green	0.05	0.25	0.25	0.05	0.25	0.25	0.06	0.24	0.24	0.06	0.23	0.23
Sat Flow, veh/h	3548	3725	1525	5322	3725	1524	3548	5588	1543	5003	5085	1514
Grp Volume(v), veh/h	95	95	42	137	411	174	221	600	110	158	411	23
Grp Sat Flow(s),veh/h/ln	1774	1863	1525	1774	1863	1524	1774	1863	1543	1668	1695	1514
Q Serve(g_s), s	1.9	1.4	1.4	1.8	6.6	6.3	4.4	6.5	3.9	2.2	4.8	0.8
Cycle Q Clear(g_c), s	1.9	1.4	1.4	1.8	6.6	6.3	4.4	6.5	3.9	2.2	4.8	0.8
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	170	925	481	280	942	474	230	1320	448	282	1158	421
V/C Ratio(X)	0.56	0.10	0.09	0.49	0.44	0.37	0.96	0.45	0.25	0.56	0.35	0.05
Avail Cap(c_a), veh/h	2327	3926	1710	577	1887	861	230	2320	724	282	2082	696
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	33.1	20.6	17.2	32.7	22.3	19.1	33.1	23.2	19.4	32.7	23.1	18.9
Incr Delay (d2), s/veh	1.1	0.1	0.1	0.5	0.6	0.9	48.4	0.4	0.5	1.6	0.4	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.7	0.6	0.9	3.4	2.8	3.7	3.4	1.7	1.1	2.3	0.3
LnGrp Delay(d),s/veh	34.2	20.7	17.3	33.2	22.9	20.1	81.5	23.7	19.9	34.2	23.4	19.0
LnGrp LOS	C	C	B	C	C	C	F	C	B	C	C	B
Approach Vol, veh/h		232			722			931			592	
Approach Delay, s/veh		25.6			24.2			36.9			26.1	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	8.4	27.0	8.1	27.5	9.0	26.4	7.8	27.9
Change Period (Y+Rc), s	4.4	10.2	4.4	* 9.9	4.4	* 10	4.4	* 9.9
Max Green Setting (Gmax), s	4.0	29.5	7.7	* 75	4.6	* 29	46.6	* 36
Max Q Clear Time (g_c+I1), s	4.2	8.5	3.8	3.4	6.4	6.8	3.9	8.6
Green Ext Time (p_c), s	0.0	6.9	0.1	0.4	0.0	4.6	0.2	6.5

Intersection Summary	
HCM 2010 Ctrl Delay	29.6
HCM 2010 LOS	C

Notes

HCM 2010 Signalized Intersection Summary
45: Mission Gorge Road & Camino Del Rio North/I-8 WB Off Ramps

11/26/2018

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	150	90	430	440	480	310	460	1480	280	20	850	190
Future Volume (veh/h)	150	90	430	440	480	310	460	1480	280	20	850	190
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.97	1.00		0.99	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	124	136	376	303	707	186	474	1526	222	21	876	98
Adj No. of Lanes	1	1	1	1	2	1	1	2	1	2	3	1
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	140	523	398	836	364	464	1940	858	39	1517	463
Arrive On Green	0.08	0.08	0.08	0.22	0.22	0.22	0.26	0.55	0.55	0.01	0.30	0.30
Sat Flow, veh/h	1774	1863	1457	1774	3725	1541	1774	3539	1566	3442	5085	1551
Grp Volume(v), veh/h	124	136	376	303	707	186	474	1526	222	21	876	98
Grp Sat Flow(s),veh/h/ln	1774	1863	1457	1774	1863	1541	1774	1770	1566	1721	1695	1551
Q Serve(g_s), s	10.1	10.6	10.9	23.2	26.3	15.2	37.9	49.7	10.8	0.9	21.2	6.9
Cycle Q Clear(g_c), s	10.1	10.6	10.9	23.2	26.3	15.2	37.9	49.7	10.8	0.9	21.2	6.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	133	140	523	398	836	364	464	1940	858	39	1517	463
V/C Ratio(X)	0.93	0.97	0.72	0.76	0.85	0.51	1.02	0.79	0.26	0.53	0.58	0.21
Avail Cap(c_a), veh/h	133	140	523	440	925	401	464	1940	858	69	1517	463
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	0.48	0.48	0.48	1.00	1.00	1.00
Uniform Delay (d), s/veh	66.7	66.9	42.5	52.6	53.8	48.1	53.5	26.0	17.2	71.3	43.1	38.1
Incr Delay (d2), s/veh	56.1	66.8	4.1	5.8	6.1	0.4	34.7	1.6	0.4	4.1	1.6	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.0	8.0	13.8	12.0	14.3	6.5	23.0	24.6	4.8	0.4	10.1	3.1
LnGrp Delay(d),s/veh	122.8	133.7	46.6	58.4	59.9	48.5	88.3	27.6	17.6	75.4	44.7	39.2
LnGrp LOS	F	F	D	E	E	D	F	C	B	E	D	D
Approach Vol, veh/h		636			1196			2222			995	
Approach Delay, s/veh		80.1			57.8			39.6			44.8	
Approach LOS		F			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	6.8	84.6		16.0	43.0	48.3		37.7
Change Period (Y+Rc), s	5.1	5.1		5.1	5.1	5.1		5.1
Max Green Setting (Gmax), s	2.9	74.8		10.9	37.9	39.8		36.0
Max Q Clear Time (g_c+I1), s	2.9	51.7		12.9	39.9	23.2		28.3
Green Ext Time (p_c), s	0.0	8.4		0.0	0.0	3.6		2.5

Intersection Summary	
HCM 2010 Ctrl Delay	50.0
HCM 2010 LOS	D

Notes



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	270	410	140	260	0	850	90	120	0	0	0
Future Volume (veh/h)	0	270	410	140	260	0	850	90	120	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	284	0	147	274	0	963	0	0			
Adj No. of Lanes	0	2	1	2	2	0	2	0	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	941	421	261	1486	0	1350	0	603			
Arrive On Green	0.00	0.27	0.00	0.08	0.42	0.00	0.38	0.00	0.00			
Sat Flow, veh/h	0	3632	1583	3442	3632	0	3548	0	1583			
Grp Volume(v), veh/h	0	284	0	147	274	0	963	0	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1721	1770	0	1774	0	1583			
Q Serve(g_s), s	0.0	3.9	0.0	2.5	2.9	0.0	13.9	0.0	0.0			
Cycle Q Clear(g_c), s	0.0	3.9	0.0	2.5	2.9	0.0	13.9	0.0	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	941	421	261	1486	0	1350	0	603			
V/C Ratio(X)	0.00	0.30	0.00	0.56	0.18	0.00	0.71	0.00	0.00			
Avail Cap(c_a), veh/h	0	941	421	360	1588	0	3007	0	1342			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00	1.00	0.00	0.00			
Uniform Delay (d), s/veh	0.0	17.6	0.0	26.8	11.0	0.0	15.8	0.0	0.0			
Incr Delay (d2), s/veh	0.0	0.8	0.0	0.7	0.1	0.0	1.0	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	2.0	0.0	1.2	1.4	0.0	6.9	0.0	0.0			
LnGrp Delay(d),s/veh	0.0	18.5	0.0	27.5	11.0	0.0	16.9	0.0	0.0			
LnGrp LOS		B		C	B		B					
Approach Vol, veh/h		284			421			963				
Approach Delay, s/veh		18.5			16.8			16.9				
Approach LOS		B			B			B				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	9.3	22.0		28.9		31.3		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 6.3	16.0		51.0		27.0		
Max Q Clear Time (g_c+I1), s	4.5	5.9		15.9		4.9		
Green Ext Time (p_c), s	0.0	1.3		7.0		1.8		

Intersection Summary	
HCM 2010 Ctrl Delay	17.1
HCM 2010 LOS	B

Notes



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	100	0	180	30	180	530	300	1600	250	0	690	490
Future Volume (veh/h)	100	0	180	30	180	530	300	1600	250	0	690	490
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863	1863	1863	1863	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	105	0	110	32	189	226	316	1684	0	0	726	253
Adj No. of Lanes	1	0	1	1	1	1	1	4	1	0	4	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	0	2	2	2	2	2	2	2	0	2	2
Cap, veh/h	0	0	0	337	354	291	228	4673	1155	0	3648	892
Arrive On Green	0.00	0.00	0.00	0.19	0.19	0.19	0.13	0.73	0.00	0.00	0.19	0.19
Sat Flow, veh/h		0		1774	1863	1533	1774	6408	1583	0	6669	1567
Grp Volume(v), veh/h		0.0		32	189	226	316	1684	0	0	726	253
Grp Sat Flow(s),veh/h/ln				1774	1863	1533	1774	1602	1583	0	1602	1567
Q Serve(g_s), s				2.2	13.7	21.0	19.3	14.5	0.0	0.0	14.3	20.8
Cycle Q Clear(g_c), s				2.2	13.7	21.0	19.3	14.5	0.0	0.0	14.3	20.8
Prop In Lane				1.00		1.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h				337	354	291	228	4673	1155	0	3648	892
V/C Ratio(X)				0.09	0.53	0.78	1.38	0.36	0.00	0.00	0.20	0.28
Avail Cap(c_a), veh/h				438	459	378	228	4673	1155	0	3648	892
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33
Upstream Filter(I)				1.00	1.00	1.00	0.77	0.77	0.00	0.00	0.90	0.90
Uniform Delay (d), s/veh				50.1	54.8	57.7	65.3	7.5	0.0	0.0	32.1	34.7
Incr Delay (d2), s/veh				0.0	0.5	5.3	192.5	0.2	0.0	0.0	0.1	0.7
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				1.1	7.1	9.3	21.7	6.4	0.0	0.0	6.4	9.2
LnGrp Delay(d),s/veh				50.1	55.2	63.0	257.9	7.6	0.0	0.0	32.2	35.4
LnGrp LOS				D	E	E	F	A			C	D
Approach Vol, veh/h					447			2000			979	
Approach Delay, s/veh					58.8			47.2			33.0	
Approach LOS					E			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		116.4			24.0	92.4		33.6
Change Period (Y+Rc), s		7.0			* 4.7	7.0		5.1
Max Green Setting (Gmax), s		54.8			* 19	30.8		37.0
Max Q Clear Time (g_c+I1), s		16.5			21.3	22.8		23.0
Green Ext Time (p_c), s		9.9			0.0	5.0		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	44.6
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
58: Mission Center Road & I-8 EB Ramp

11/26/2018

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	430	0	420	0	0	0	0	340	140	350	430	0
Future Volume (veh/h)	430	0	420	0	0	0	0	340	140	350	430	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	453	0	0				0	358	0	368	453	0
Adj No. of Lanes	2	1	0				0	2	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	1495	809	0				0	441	197	887	931	0
Arrive On Green	0.43	0.00	0.00				0.00	0.04	0.00	0.08	0.08	0.00
Sat Flow, veh/h	3442	1863	0				0	3632	1583	3548	3725	0
Grp Volume(v), veh/h	453	0	0				0	358	0	368	453	0
Grp Sat Flow(s),veh/h/ln	1721	1863	0				0	1770	1583	1774	1863	0
Q Serve(g_s), s	7.7	0.0	0.0				0.0	9.0	0.0	8.9	10.5	0.0
Cycle Q Clear(g_c), s	7.7	0.0	0.0				0.0	9.0	0.0	8.9	10.5	0.0
Prop In Lane	1.00		0.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1495	809	0				0	441	197	887	931	0
V/C Ratio(X)	0.30	0.00	0.00				0.00	0.81	0.00	0.41	0.49	0.00
Avail Cap(c_a), veh/h	1495	809	0				0	511	229	1498	1573	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	0.33	0.33	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	0.94	0.00	0.94	0.94	0.00
Uniform Delay (d), s/veh	16.6	0.0	0.0				0.0	42.1	0.0	35.0	35.8	0.0
Incr Delay (d2), s/veh	0.5	0.0	0.0				0.0	6.9	0.0	0.1	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	0.0	0.0				0.0	4.8	0.0	4.4	5.4	0.0
LnGrp Delay(d),s/veh	17.1	0.0	0.0				0.0	49.0	0.0	35.1	35.9	0.0
LnGrp LOS	B							D		D	D	
Approach Vol, veh/h		453						358			821	
Approach Delay, s/veh		17.1						49.0			35.6	
Approach LOS		B						D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		45.2		16.2				28.6
Change Period (Y+Rc), s		6.1		5.0				6.1
Max Green Setting (Gmax), s		21.8		13.0				38.0
Max Q Clear Time (g_c+I1), s		9.7		11.0				12.5
Green Ext Time (p_c), s		0.8		0.2				2.5

Intersection Summary	
HCM 2010 Ctrl Delay	33.4
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	110	90	90	60	90	160	140	1360	180	450	590	280
Future Volume (veh/h)	110	90	90	60	90	160	140	1360	180	450	590	280
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.92	1.00		0.91	1.00		0.96	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	112	92	32	61	92	60	143	1388	133	459	602	97
Adj No. of Lanes	1	1	1	1	1	1	1	3	0	1	2	1
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	153	161	268	137	144	534	160	2171	208	474	2260	975
Arrive On Green	0.09	0.09	0.09	0.08	0.08	0.08	0.09	0.46	0.46	0.27	0.64	0.64
Sat Flow, veh/h	1774	1863	1453	1774	1863	1440	1774	4700	450	1774	3539	1526
Grp Volume(v), veh/h	112	92	32	61	92	60	143	1001	520	459	602	97
Grp Sat Flow(s),veh/h/ln	1774	1863	1453	1774	1863	1440	1774	1695	1760	1774	1770	1526
Q Serve(g_s), s	12.3	9.5	3.7	6.6	9.6	5.7	16.0	45.1	45.1	51.2	14.8	4.9
Cycle Q Clear(g_c), s	12.3	9.5	3.7	6.6	9.6	5.7	16.0	45.1	45.1	51.2	14.8	4.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.26	1.00		1.00
Lane Grp Cap(c), veh/h	153	161	268	137	144	534	160	1566	813	474	2260	975
V/C Ratio(X)	0.73	0.57	0.12	0.44	0.64	0.11	0.89	0.64	0.64	0.97	0.27	0.10
Avail Cap(c_a), veh/h	240	252	340	266	279	639	234	1566	813	493	2260	975
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.87	0.87	0.87
Uniform Delay (d), s/veh	89.1	87.8	69.3	88.2	89.5	44.9	90.0	41.1	41.1	72.5	15.7	13.9
Incr Delay (d2), s/veh	6.6	3.2	0.2	0.8	1.7	0.0	19.1	2.0	3.8	29.3	0.3	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.3	5.0	1.5	3.3	5.0	2.3	8.7	21.6	22.8	29.0	7.3	2.1
LnGrp Delay(d),s/veh	95.7	91.0	69.5	89.0	91.3	44.9	109.1	43.1	44.9	101.7	16.0	14.1
LnGrp LOS	F	F	E	F	F	D	F	D	D	F	B	B
Approach Vol, veh/h		236			213			1664			1158	
Approach Delay, s/veh		90.3			77.6			49.3			49.8	
Approach LOS		F			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	57.8	99.4		22.2	22.4	134.7		20.7
Change Period (Y+Rc), s	4.4	7.0		4.9	4.4	* 7		5.2
Max Green Setting (Gmax), s	55.6	65.8		27.1	26.4	* 97		30.0
Max Q Clear Time (g_c+I1), s	53.2	47.1		14.3	18.0	16.8		11.6
Green Ext Time (p_c), s	0.2	15.1		0.5	0.1	6.2		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	54.3
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	360	50	40	30	60	510	70	910	60	70	610	120
Future Volume (veh/h)	360	50	40	30	60	510	70	910	60	70	610	120
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	379	53	15	32	63	305	74	958	52	74	642	115
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	384	403	333	381	400	330	95	1215	66	73	1028	184
Arrive On Green	0.22	0.22	0.22	0.21	0.21	0.21	0.05	0.36	0.36	0.04	0.34	0.34
Sat Flow, veh/h	1774	1863	1539	1774	1863	1539	1774	3408	185	1774	2986	534
Grp Volume(v), veh/h	379	53	15	32	63	305	74	497	513	74	380	377
Grp Sat Flow(s),veh/h/ln	1774	1863	1539	1774	1863	1539	1774	1770	1824	1774	1770	1750
Q Serve(g_s), s	23.7	2.6	0.9	1.6	3.1	21.6	4.6	28.0	28.0	4.6	20.0	20.1
Cycle Q Clear(g_c), s	23.7	2.6	0.9	1.6	3.1	21.6	4.6	28.0	28.0	4.6	20.0	20.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.10	1.00		0.31
Lane Grp Cap(c), veh/h	384	403	333	381	400	330	95	631	650	73	609	603
V/C Ratio(X)	0.99	0.13	0.05	0.08	0.16	0.92	0.78	0.79	0.79	1.01	0.62	0.63
Avail Cap(c_a), veh/h	384	403	333	422	443	366	194	964	993	73	843	834
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.5	35.2	34.6	35.0	35.6	42.9	52.1	32.1	32.1	53.4	30.5	30.5
Incr Delay (d2), s/veh	42.6	0.1	0.0	0.0	0.1	26.0	5.2	3.3	3.2	108.2	1.4	1.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.1	1.3	0.4	0.8	1.6	11.6	2.4	14.3	14.7	4.4	10.0	9.9
LnGrp Delay(d),s/veh	86.1	35.3	34.6	35.0	35.6	68.9	57.3	35.4	35.3	161.7	31.9	32.0
LnGrp LOS	F	D	C	D	D	E	E	D	D	F	C	C
Approach Vol, veh/h		447			400			1084			831	
Approach Delay, s/veh		78.3			60.9			36.8			43.5	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	9.0	44.6		29.0	10.4	43.3		28.8
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	4.6	60.7		24.1	12.2	53.1		26.5
Max Q Clear Time (g_c+I1), s	6.6	30.0		25.7	6.6	22.1		23.6
Green Ext Time (p_c), s	0.0	9.7		0.0	0.0	6.8		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	49.1
HCM 2010 LOS	D

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	65	35	1035	60	35	1190
Future Volume (veh/h)	65	35	1035	60	35	1190
Number	4	14	3	8	5	12
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00	1.00		1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900	1863	1863	1863	1863
Adj Flow Rate, veh/h	68	0	1089	63	37	82
Adj No. of Lanes	2	0	2	1	1	2
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	678	0	1425	1317	160	1405
Arrive On Green	0.19	0.00	0.41	0.71	0.09	0.09
Sat Flow, veh/h	3725	0	3442	1863	1774	2787
Grp Volume(v), veh/h	68	0	1089	63	37	82
Grp Sat Flow(s),veh/h/ln	1770	0	1721	1863	1774	1393
Q Serve(g_s), s	0.7	0.0	12.0	0.5	0.9	0.7
Cycle Q Clear(g_c), s	0.7	0.0	12.0	0.5	0.9	0.7
Prop In Lane		0.00	1.00		1.00	1.00
Lane Grp Cap(c), veh/h	678	0	1425	1317	160	1405
V/C Ratio(X)	0.10	0.00	0.76	0.05	0.23	0.06
Avail Cap(c_a), veh/h	2154	0	2522	2688	1080	2850
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.8	0.0	11.1	2.0	18.7	5.6
Incr Delay (d2), s/veh	0.1	0.0	0.9	0.0	0.7	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	0.0	5.8	0.2	0.5	0.3
LnGrp Delay(d),s/veh	14.8	0.0	12.0	2.0	19.5	5.6
LnGrp LOS	B		B	A	B	A
Approach Vol, veh/h	68			1152	119	
Approach Delay, s/veh	14.8			11.5	9.9	
Approach LOS	B			B	A	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2	3	4				8
Phs Duration (G+Y+Rc), s		8.5	22.9	13.0				35.9
Change Period (Y+Rc), s		4.5	4.5	4.5				4.5
Max Green Setting (Gmax), s		27.0	32.5	27.0				64.0
Max Q Clear Time (g_c+I1), s		2.9	14.0	2.7				2.5
Green Ext Time (p_c), s		0.4	4.3	0.3				0.3

Intersection Summary	
HCM 2010 Ctrl Delay	11.5
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	455	10	170	20	20	20	120	750	10	10	580	480
Future Volume (veh/h)	455	10	170	20	20	20	120	750	10	10	580	480
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.98	0.99		0.98	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1900	1863	1900	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	479	11	116	21	21	10	126	789	6	11	611	242
Adj No. of Lanes	1	1	0	0	1	0	1	1	0	1	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	572	49	519	241	232	99	128	886	7	19	779	647
Arrive On Green	0.36	0.36	0.36	0.36	0.36	0.36	0.07	0.48	0.48	0.01	0.42	0.42
Sat Flow, veh/h	1357	137	1443	513	645	276	1774	1846	14	1774	1863	1545
Grp Volume(v), veh/h	479	0	127	52	0	0	126	0	795	11	611	242
Grp Sat Flow(s),veh/h/ln	1357	0	1579	1434	0	0	1774	0	1860	1774	1863	1545
Q Serve(g_s), s	26.0	0.0	5.1	0.1	0.0	0.0	6.4	0.0	35.1	0.6	25.6	9.7
Cycle Q Clear(g_c), s	31.1	0.0	5.1	5.1	0.0	0.0	6.4	0.0	35.1	0.6	25.6	9.7
Prop In Lane	1.00		0.91	0.40		0.19	1.00		0.01	1.00		1.00
Lane Grp Cap(c), veh/h	572	0	569	572	0	0	128	0	892	19	779	647
V/C Ratio(X)	0.84	0.00	0.22	0.09	0.00	0.00	0.99	0.00	0.89	0.58	0.78	0.37
Avail Cap(c_a), veh/h	572	0	569	572	0	0	128	0	1236	79	1186	984
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	28.3	0.0	20.1	19.1	0.0	0.0	41.8	0.0	21.3	44.5	22.7	18.1
Incr Delay (d2), s/veh	10.5	0.0	0.2	0.1	0.0	0.0	75.3	0.0	6.4	25.1	2.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	13.4	0.0	2.2	0.9	0.0	0.0	5.8	0.0	19.5	0.4	13.5	4.2
LnGrp Delay(d),s/veh	38.9	0.0	20.3	19.1	0.0	0.0	117.1	0.0	27.8	69.5	24.7	18.5
LnGrp LOS	D		C	B			F		C	E	C	B
Approach Vol, veh/h		606			52			921			864	
Approach Delay, s/veh		35.0			19.1			40.0			23.5	
Approach LOS		C			B			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	5.5	47.8		37.0	11.0	42.3		37.0
Change Period (Y+Rc), s	4.5	4.5		4.5	4.5	4.5		4.5
Max Green Setting (Gmax), s	4.0	60.0		32.5	6.5	57.5		32.5
Max Q Clear Time (g_c+I1), s	2.6	37.1		33.1	8.4	27.6		7.1
Green Ext Time (p_c), s	0.0	6.3		0.0	0.0	5.6		0.2

Intersection Summary	
HCM 2010 Ctrl Delay	32.5
HCM 2010 LOS	C

PM Peak Hour

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	1090	350	570	690	0	0	0	0	380	0	920
Future Volume (veh/h)	0	1090	350	570	690	0	0	0	0	380	0	920
Number	5	2	12	1	6	16				7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	0				1863	0	1863
Adj Flow Rate, veh/h	0	1147	157	600	726	0				400	0	547
Adj No. of Lanes	0	2	1	2	1	0				1	0	3
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95				0.95	0.95	0.95
Percent Heavy Veh, %	0	2	2	2	2	0				2	0	2
Cap, veh/h	0	1260	548	670	1137	0				436	0	888
Arrive On Green	0.00	0.36	0.36	0.19	0.61	0.00				0.25	0.00	0.25
Sat Flow, veh/h	0	3632	1539	3442	1863	0				1774	0	3610
Grp Volume(v), veh/h	0	1147	157	600	726	0				400	0	547
Grp Sat Flow(s),veh/h/ln	0	1770	1539	1721	1863	0				1774	0	1203
Q Serve(g_s), s	0.0	24.3	5.8	13.4	19.6	0.0				17.3	0.0	10.6
Cycle Q Clear(g_c), s	0.0	24.3	5.8	13.4	19.6	0.0				17.3	0.0	10.6
Prop In Lane	0.00		1.00	1.00		0.00				1.00		1.00
Lane Grp Cap(c), veh/h	0	1260	548	670	1137	0				436	0	888
V/C Ratio(X)	0.00	0.91	0.29	0.90	0.64	0.00				0.92	0.00	0.62
Avail Cap(c_a), veh/h	0	1314	572	670	1166	0				440	0	895
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	1.00	1.00	0.00				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	24.1	18.2	30.9	9.8	0.0				28.9	0.0	26.3
Incr Delay (d2), s/veh	0.0	9.1	0.1	14.3	0.9	0.0				23.3	0.0	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	13.4	2.5	7.7	10.2	0.0				11.3	0.0	3.6
LnGrp Delay(d),s/veh	0.0	33.2	18.3	45.2	10.6	0.0				52.2	0.0	27.3
LnGrp LOS		C	B	D	B					D		C
Approach Vol, veh/h		1304			1326						947	
Approach Delay, s/veh		31.4			26.3						37.8	
Approach LOS		C			C						D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	20.0	33.8		24.8		53.8		
Change Period (Y+Rc), s	* 4.7	5.8		5.5		5.8		
Max Green Setting (Gmax), s	* 15	29.2		19.5		49.2		
Max Q Clear Time (g_c+I1), s	15.4	26.3		19.3		21.6		
Green Ext Time (p_c), s	0.0	1.7		0.1		3.3		

Intersection Summary	
HCM 2010 Ctrl Delay	31.2
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	1030	430	0	0	720	440	540	10	520	0	0	0
Future Volume (veh/h)	1030	430	0	0	720	440	540	10	520	0	0	0
Number	5	2	12	1	6	16	3	8	18			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.98	1.00		0.96			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	1084	453	0	0	758	216	576	0	284			
Adj No. of Lanes	2	1	0	0	2	0	2	0	1			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	2	2	0	0	2	2	2	2	2			
Cap, veh/h	1112	1240	0	0	826	235	875	0	375			
Arrive On Green	0.32	0.67	0.00	0.00	0.31	0.31	0.25	0.00	0.25			
Sat Flow, veh/h	3442	1863	0	0	2800	771	3548	0	1519			
Grp Volume(v), veh/h	1084	453	0	0	496	478	576	0	284			
Grp Sat Flow(s),veh/h/ln	1721	1863	0	0	1770	1708	1774	0	1519			
Q Serve(g_s), s	38.8	13.4	0.0	0.0	33.7	33.7	18.2	0.0	21.6			
Cycle Q Clear(g_c), s	38.8	13.4	0.0	0.0	33.7	33.7	18.2	0.0	21.6			
Prop In Lane	1.00		0.00	0.00		0.45	1.00		1.00			
Lane Grp Cap(c), veh/h	1112	1240	0	0	540	522	875	0	375			
V/C Ratio(X)	0.98	0.37	0.00	0.00	0.92	0.92	0.66	0.00	0.76			
Avail Cap(c_a), veh/h	1112	1302	0	0	598	578	1334	0	571			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	41.7	9.2	0.0	0.0	41.8	41.8	42.3	0.0	43.5			
Incr Delay (d2), s/veh	21.1	0.1	0.0	0.0	17.3	17.7	0.3	0.0	1.2			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	21.6	6.8	0.0	0.0	19.1	18.5	9.0	0.0	9.2			
LnGrp Delay(d),s/veh	62.8	9.3	0.0	0.0	59.1	59.5	42.6	0.0	44.7			
LnGrp LOS	E	A			E	E	D		D			
Approach Vol, veh/h		1537			974			860				
Approach Delay, s/veh		47.0			59.3			43.3				
Approach LOS		D			E			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		88.9			45.0	43.9		35.9
Change Period (Y+Rc), s		5.8			* 4.7	5.8		5.1
Max Green Setting (Gmax), s		87.2			* 40	42.2		46.9
Max Q Clear Time (g_c+I1), s		15.4			40.8	35.7		23.6
Green Ext Time (p_c), s		1.8			0.0	2.4		1.6

Intersection Summary	
HCM 2010 Ctrl Delay	49.6
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	870	10	280	510	420	0	0	900	520
Future Volume (veh/h)	0	0	0	870	10	280	510	420	0	0	900	520
Number				3	8	18	1	6	16	5	2	12
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		1.00	1.00		1.00	1.00		0.96
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1863	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				924	0	0	537	442	0	0	947	326
Adj No. of Lanes				2	0	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				1016	0	453	496	2154	0	0	998	431
Arrive On Green				0.29	0.00	0.00	0.28	0.61	0.00	0.00	0.28	0.28
Sat Flow, veh/h				3548	0	1583	1774	3632	0	0	3632	1527
Grp Volume(v), veh/h				924	0	0	537	442	0	0	947	326
Grp Sat Flow(s),veh/h/ln				1774	0	1583	1774	1770	0	0	1770	1527
Q Serve(g_s), s				28.5	0.0	0.0	31.7	6.3	0.0	0.0	29.7	22.1
Cycle Q Clear(g_c), s				28.5	0.0	0.0	31.7	6.3	0.0	0.0	29.7	22.1
Prop In Lane				1.00		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				1016	0	453	496	2154	0	0	998	431
V/C Ratio(X)				0.91	0.00	0.00	1.08	0.21	0.00	0.00	0.95	0.76
Avail Cap(c_a), veh/h				1695	0	756	496	2156	0	0	1000	431
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	0.00	0.00	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh				39.0	0.0	0.0	40.8	9.9	0.0	0.0	39.9	37.1
Incr Delay (d2), s/veh				2.7	0.0	0.0	64.2	0.1	0.0	0.0	17.5	7.9
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				14.4	0.0	0.0	24.3	3.1	0.0	0.0	16.9	10.3
LnGrp Delay(d),s/veh				41.7	0.0	0.0	105.0	10.0	0.0	0.0	57.4	45.0
LnGrp LOS				D			F	A			E	D
Approach Vol, veh/h					924			979			1273	
Approach Delay, s/veh					41.7			62.1			54.2	
Approach LOS					D			E			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	37.0	38.9				75.9		37.3
Change Period (Y+Rc), s	5.3	7.0				7.0		4.9
Max Green Setting (Gmax), s	31.7	32.0				69.0		54.1
Max Q Clear Time (g_c+I1), s	33.7	31.7				8.3		30.5
Green Ext Time (p_c), s	0.0	0.2				4.4		2.0

Intersection Summary	
HCM 2010 Ctrl Delay	53.0
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	360	0	340	0	0	0	0	580	620	460	1310	0
Future Volume (veh/h)	360	0	340	0	0	0	0	580	620	460	1310	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	379	0	358				0	611	421	484	1379	0
Adj No. of Lanes	1	0	1				0	2	2	1	3	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	0	2				0	2	2	2	2	0
Cap, veh/h	440	0	393				0	971	737	518	3164	0
Arrive On Green	0.25	0.00	0.25				0.00	0.27	0.27	0.29	0.62	0.00
Sat Flow, veh/h	1774	0	1583				0	3632	2685	1774	5253	0
Grp Volume(v), veh/h	379	0	358				0	611	421	484	1379	0
Grp Sat Flow(s),veh/h/ln	1774	0	1583				0	1770	1343	1774	1695	0
Q Serve(g_s), s	17.9	0.0	19.3				0.0	13.3	11.8	23.3	12.3	0.0
Cycle Q Clear(g_c), s	17.9	0.0	19.3				0.0	13.3	11.8	23.3	12.3	0.0
Prop In Lane	1.00		1.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	440	0	393				0	971	737	518	3164	0
V/C Ratio(X)	0.86	0.00	0.91				0.00	0.63	0.57	0.93	0.44	0.00
Avail Cap(c_a), veh/h	461	0	411				0	971	737	541	3164	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	31.6	0.0	32.1				0.0	27.9	27.4	30.3	8.6	0.0
Incr Delay (d2), s/veh	14.8	0.0	23.6				0.0	3.1	3.2	23.2	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.5	0.0	11.0				0.0	6.9	4.7	14.8	5.8	0.0
LnGrp Delay(d),s/veh	46.4	0.0	55.7				0.0	31.0	30.6	53.5	8.7	0.0
LnGrp LOS	D		E					C	C	D	A	
Approach Vol, veh/h		737						1032			1863	
Approach Delay, s/veh		50.9						30.8			20.3	
Approach LOS		D						C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	31.8	29.0		27.0		60.8		
Change Period (Y+Rc), s	6.2	4.9		5.2		6.2		
Max Green Setting (Gmax), s	26.8	24.1		22.8		26.8		
Max Q Clear Time (g_c+I1), s	25.3	15.3		21.3		14.3		
Green Ext Time (p_c), s	0.3	3.9		0.5		7.5		

Intersection Summary	
HCM 2010 Ctrl Delay	29.5
HCM 2010 LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	770	2460	0	0	1360	800	0	0	1030	0	0	1160
Future Volume (veh/h)	770	2460	0	0	1360	800	0	0	1030	0	0	1160
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	0	0	1863	1863	0	1863	1900	0	1863	1900
Adj Flow Rate, veh/h	786	2510	0	0	1388	0	0	0	0	0	0	0
Adj No. of Lanes	2	3	0	0	3	1	0	1	0	0	1	0
Peak Hour Factor	0.98	0.98	0.95	0.95	0.98	0.98	0.95	0.98	0.98	0.95	0.98	0.98
Percent Heavy Veh, %	2	2	0	0	2	2	0	2	2	0	2	2
Cap, veh/h	755	4851	0	0	3912	1108	0	1	0	0	1	0
Arrive On Green	0.22	0.95	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sat Flow, veh/h	3442	5253	0	0	5588	1583	0	-74510	0	0	-74510	0
Grp Volume(v), veh/h	786	2510	0	0	1388	0	0	0	0	0	0	0
Grp Sat Flow(s),veh/h/ln	1721	1695	0	0	1863	1583	0	1863	0	0	1863	0
Q Serve(g_s), s	28.5	5.8	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	28.5	5.8	0.0	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prop In Lane	1.00		0.00	0.00		1.00	0.00		0.00	0.00		0.00
Lane Grp Cap(c), veh/h	755	4851	0	0	3912	1108	0	1	0	0	1	0
V/C Ratio(X)	1.04	0.52	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avail Cap(c_a), veh/h	755	4851	0	0	3912	1108	0	516	0	0	516	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.09	0.09	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d), s/veh	50.8	0.3	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Incr Delay (d2), s/veh	23.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	15.9	2.3	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp Delay(d),s/veh	73.9	0.3	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LnGrp LOS	F	A			A							
Approach Vol, veh/h		3296			1388			0			0	
Approach Delay, s/veh		17.9			8.0			0.0			0.0	
Approach LOS		B			A							

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		8
Phs Duration (G+Y+Rc), s		130.0		0.0	33.0	97.0		0.0
Change Period (Y+Rc), s		* 6		4.0	4.5	6.0		4.0
Max Green Setting (Gmax), s		* 86		36.0	28.5	51.0		36.0
Max Q Clear Time (g_c+I1), s		7.8		0.0	30.5	14.9		0.0
Green Ext Time (p_c), s		8.7		0.0	0.0	6.9		0.0

Intersection Summary	
HCM 2010 Ctrl Delay	14.9
HCM 2010 LOS	B

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	260	560	300	300	310	290	250	720	250	460	920	290
Future Volume (veh/h)	260	560	300	300	310	290	250	720	250	460	920	290
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.96	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	274	589	221	316	326	210	263	758	200	484	968	210
Adj No. of Lanes	2	2	1	2	2	1	2	3	1	2	3	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	353	796	494	393	836	590	331	1151	530	502	1404	584
Arrive On Green	0.10	0.22	0.22	0.11	0.24	0.24	0.10	0.23	0.23	0.15	0.28	0.28
Sat Flow, veh/h	3442	3539	1521	3442	3539	1521	3442	5085	1541	3442	5085	1526
Grp Volume(v), veh/h	274	589	221	316	326	210	263	758	200	484	968	210
Grp Sat Flow(s),veh/h/ln	1721	1770	1521	1721	1770	1521	1721	1695	1541	1721	1695	1526
Q Serve(g_s), s	7.8	15.5	11.6	9.0	7.8	9.9	7.5	13.6	9.8	14.0	17.0	9.9
Cycle Q Clear(g_c), s	7.8	15.5	11.6	9.0	7.8	9.9	7.5	13.6	9.8	14.0	17.0	9.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	353	796	494	393	836	590	331	1151	530	502	1404	584
V/C Ratio(X)	0.78	0.74	0.45	0.80	0.39	0.36	0.80	0.66	0.38	0.96	0.69	0.36
Avail Cap(c_a), veh/h	1602	2157	1079	743	1273	778	419	1468	626	502	1600	643
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.8	36.1	27.0	43.2	32.1	22.2	44.3	35.2	25.0	42.5	32.4	22.4
Incr Delay (d2), s/veh	1.4	1.4	0.7	1.5	0.6	0.7	6.2	1.2	0.8	30.9	1.5	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	7.7	4.9	4.3	3.9	4.2	3.8	6.4	4.3	8.8	8.2	4.3
LnGrp Delay(d),s/veh	45.2	37.5	27.7	44.7	32.7	22.9	50.5	36.4	25.8	73.4	33.9	23.1
LnGrp LOS	D	D	C	D	C	C	D	D	C	E	C	C
Approach Vol, veh/h		1084			852			1221			1662	
Approach Delay, s/veh		37.4			34.8			37.7			44.0	
Approach LOS		D			C			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	19.0	32.9	15.8	32.4	14.0	37.8	14.7	33.6
Change Period (Y+Rc), s	4.4	10.2	4.4	* 9.9	4.4	* 10	4.4	* 9.9
Max Green Setting (Gmax), s	14.6	28.9	21.6	* 61	12.2	* 32	46.6	* 36
Max Q Clear Time (g_c+I1), s	16.0	15.6	11.0	17.5	9.5	19.0	9.8	11.9
Green Ext Time (p_c), s	0.0	7.0	0.5	3.2	0.1	8.2	0.5	5.4

Intersection Summary	
HCM 2010 Ctrl Delay	39.3
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	340	950	290	310	0	740	190	270	0	0	0
Future Volume (veh/h)	0	340	950	290	310	0	740	190	270	0	0	0
Number	5	2	12	1	6	16	7	4	14			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Adj Sat Flow, veh/h/ln	0	1863	1863	1863	1863	1900	1863	1863	1863			
Adj Flow Rate, veh/h	0	351	0	299	320	0	480	593	0			
Adj No. of Lanes	0	2	1	2	2	0	1	1	1			
Peak Hour Factor	0.95	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97			
Percent Heavy Veh, %	0	2	2	2	2	2	2	2	2			
Cap, veh/h	0	1505	673	349	1975	0	642	674	573			
Arrive On Green	0.00	0.43	0.00	0.10	0.56	0.00	0.36	0.36	0.00			
Sat Flow, veh/h	0	3632	1583	3442	3632	0	1774	1863	1583			
Grp Volume(v), veh/h	0	351	0	299	320	0	480	593	0			
Grp Sat Flow(s),veh/h/ln	0	1770	1583	1721	1770	0	1774	1863	1583			
Q Serve(g_s), s	0.0	9.5	0.0	12.8	6.6	0.0	35.5	44.7	0.0			
Cycle Q Clear(g_c), s	0.0	9.5	0.0	12.8	6.6	0.0	35.5	44.7	0.0			
Prop In Lane	0.00		1.00	1.00		0.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	1505	673	349	1975	0	642	674	573			
V/C Ratio(X)	0.00	0.23	0.00	0.86	0.16	0.00	0.75	0.88	0.00			
Avail Cap(c_a), veh/h	0	1505	673	535	1975	0	757	795	676			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.85	0.00	1.00	1.00	0.00	1.00	1.00	0.00			
Uniform Delay (d), s/veh	0.0	27.5	0.0	66.3	16.1	0.0	41.8	44.8	0.0			
Incr Delay (d2), s/veh	0.0	0.3	0.0	5.4	0.2	0.0	4.0	10.6	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	4.7	0.0	6.4	3.2	0.0	18.0	24.9	0.0			
LnGrp Delay(d),s/veh	0.0	27.8	0.0	71.7	16.3	0.0	45.8	55.3	0.0			
LnGrp LOS		C		E	B		D	E				
Approach Vol, veh/h		351			619			1073				
Approach Delay, s/veh		27.8			43.0			51.1				
Approach LOS		C			D			D				

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4		6		
Phs Duration (G+Y+Rc), s	19.9	69.8		60.3		89.7		
Change Period (Y+Rc), s	* 4.7	6.0		6.0		6.0		
Max Green Setting (Gmax), s	* 23	46.0		64.0		74.0		
Max Q Clear Time (g_c+I1), s	14.8	11.5		46.7		8.6		
Green Ext Time (p_c), s	0.4	2.6		7.6		2.5		

Intersection Summary	
HCM 2010 Ctrl Delay	44.6
HCM 2010 LOS	D

Notes



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	310	0	490	130	250	375	290	1285	250	0	1475	750
Future Volume (veh/h)	310	0	490	130	250	375	290	1285	250	0	1475	750
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.97	1.00		1.00	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	0	1863	1863	1863	1863	1863	1863	1863	0	1863	1863
Adj Flow Rate, veh/h	316	0	408	133	255	291	296	1311	0	0	1505	459
Adj No. of Lanes	1	0	1	1	1	1	1	4	1	0	4	2
Peak Hour Factor	0.98	0.95	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.95	0.98	0.98
Percent Heavy Veh, %	2	0	2	2	2	2	2	2	2	0	2	2
Cap, veh/h	0	0	0	388	407	336	761	4491	1110	0	1444	600
Arrive On Green	0.00	0.00	0.00	0.22	0.22	0.22	0.43	0.70	0.00	0.00	0.23	0.23
Sat Flow, veh/h		0		1774	1863	1540	1774	6408	1583	0	6669	2663
Grp Volume(v), veh/h		0.0		133	255	291	296	1311	0	0	1505	459
Grp Sat Flow(s),veh/h/ln				1774	1863	1540	1774	1602	1583	0	1602	1331
Q Serve(g_s), s				9.5	18.6	27.3	17.2	11.5	0.0	0.0	33.8	24.2
Cycle Q Clear(g_c), s				9.5	18.6	27.3	17.2	11.5	0.0	0.0	33.8	24.2
Prop In Lane				1.00		1.00	1.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h				388	407	336	761	4491	1110	0	1444	600
V/C Ratio(X)				0.34	0.63	0.87	0.39	0.29	0.00	0.00	1.04	0.76
Avail Cap(c_a), veh/h				438	459	380	761	4491	1110	0	1444	600
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	1.00	1.00	0.86	0.86	0.00	0.00	0.57	0.57
Uniform Delay (d), s/veh				49.5	53.1	56.5	29.4	8.4	0.0	0.0	58.1	54.4
Incr Delay (d2), s/veh				0.2	1.3	15.6	0.1	0.1	0.0	0.0	30.1	5.3
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				4.7	9.7	13.1	8.4	5.1	0.0	0.0	18.0	9.4
LnGrp Delay(d),s/veh				49.7	54.4	72.0	29.5	8.6	0.0	0.0	88.2	59.7
LnGrp LOS				D	D	E	C	A			F	E
Approach Vol, veh/h					679			1607			1964	
Approach Delay, s/veh					61.1			12.4			81.5	
Approach LOS					E			B			F	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		112.1			71.3	40.8		37.9
Change Period (Y+Rc), s		7.0			7.0	* 7		5.1
Max Green Setting (Gmax), s		54.8			16.3	* 34		37.0
Max Q Clear Time (g_c+I1), s		13.5			19.2	35.8		29.3
Green Ext Time (p_c), s		6.8			0.0	0.0		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	52.1
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	840	0	370	0	0	0	0	530	270	990	530	0
Future Volume (veh/h)	840	0	370	0	0	0	0	530	270	990	530	0
Number	5	2	12				7	4	14	3	8	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1863	1863	1863	0
Adj Flow Rate, veh/h	884	0	0				0	558	0	1042	558	0
Adj No. of Lanes	2	1	0				0	2	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	1432	775	0				0	625	280	1038	1090	0
Arrive On Green	0.42	0.00	0.00				0.00	0.06	0.00	0.29	0.29	0.00
Sat Flow, veh/h	3442	1863	0				0	3632	1583	3548	3725	0
Grp Volume(v), veh/h	884	0	0				0	558	0	1042	558	0
Grp Sat Flow(s),veh/h/ln	1721	1863	0				0	1770	1583	1774	1863	0
Q Serve(g_s), s	30.3	0.0	0.0				0.0	23.5	0.0	43.9	18.7	0.0
Cycle Q Clear(g_c), s	30.3	0.0	0.0				0.0	23.5	0.0	43.9	18.7	0.0
Prop In Lane	1.00		0.00				0.00		1.00	1.00		0.00
Lane Grp Cap(c), veh/h	1432	775	0				0	625	280	1038	1090	0
V/C Ratio(X)	0.62	0.00	0.00				0.00	0.89	0.00	1.00	0.51	0.00
Avail Cap(c_a), veh/h	1432	775	0				0	873	391	1038	1090	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00				0.00	0.86	0.00	0.62	0.62	0.00
Uniform Delay (d), s/veh	34.4	0.0	0.0				0.0	69.2	0.0	53.1	44.1	0.0
Incr Delay (d2), s/veh	2.0	0.0	0.0				0.0	6.1	0.0	22.8	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.8	0.0	0.0				0.0	12.1	0.0	24.8	9.6	0.0
LnGrp Delay(d),s/veh	36.4	0.0	0.0				0.0	75.3	0.0	75.9	44.2	0.0
LnGrp LOS	D							E		F	D	
Approach Vol, veh/h		884						558			1600	
Approach Delay, s/veh		36.4						75.3			64.9	
Approach LOS		D						E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4				8
Phs Duration (G+Y+Rc), s		68.5		31.5				50.0
Change Period (Y+Rc), s		6.1		5.0				6.1
Max Green Setting (Gmax), s		51.9		37.0				43.9
Max Q Clear Time (g_c+I1), s		32.3		25.5				45.9
Green Ext Time (p_c), s		1.8		1.0				0.0

Intersection Summary	
HCM 2010 Ctrl Delay	58.5
HCM 2010 LOS	E

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	290	220	270	220	80	620	90	820	170	320	1290	420
Future Volume (veh/h)	290	220	270	220	80	620	90	820	170	320	1290	420
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	1.00		0.94	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1863
Adj Flow Rate, veh/h	305	232	210	232	84	453	95	863	147	337	1358	368
Adj No. of Lanes	1	1	1	1	1	1	1	3	0	1	2	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	328	344	379	297	311	639	111	1091	184	434	1598	684
Arrive On Green	0.18	0.18	0.18	0.17	0.17	0.17	0.06	0.25	0.25	0.49	0.90	0.90
Sat Flow, veh/h	1774	1863	1512	1774	1863	1507	1774	4335	733	1774	3539	1516
Grp Volume(v), veh/h	305	232	210	232	84	453	95	673	337	337	1358	368
Grp Sat Flow(s),veh/h/ln	1774	1863	1512	1774	1863	1507	1774	1695	1678	1774	1770	1516
Q Serve(g_s), s	24.5	16.8	17.6	18.2	5.7	0.0	7.7	26.9	27.2	22.7	23.2	6.6
Cycle Q Clear(g_c), s	24.5	16.8	17.6	18.2	5.7	0.0	7.7	26.9	27.2	22.7	23.2	6.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.44	1.00		1.00
Lane Grp Cap(c), veh/h	328	344	379	297	311	639	111	853	422	434	1598	684
V/C Ratio(X)	0.93	0.67	0.55	0.78	0.27	0.71	0.85	0.79	0.80	0.78	0.85	0.54
Avail Cap(c_a), veh/h	330	347	381	367	385	699	111	933	462	434	1598	684
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.67	0.67	0.67
Uniform Delay (d), s/veh	58.2	55.0	47.7	57.9	52.7	35.1	67.3	50.7	50.8	33.7	5.0	4.2
Incr Delay (d2), s/veh	31.9	5.0	1.7	6.6	0.2	2.4	42.0	7.3	14.5	5.4	4.0	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.9	9.1	7.5	9.4	3.0	15.3	5.1	13.5	14.3	11.6	10.9	2.9
LnGrp Delay(d),s/veh	90.1	60.1	49.4	64.5	52.8	37.5	109.3	58.0	65.2	39.2	9.0	6.2
LnGrp LOS	F	E	D	E	D	D	F	E	E	D	A	A
Approach Vol, veh/h		747			769			1105			2063	
Approach Delay, s/veh		69.3			47.3			64.6			13.4	
Approach LOS		E			D			E			B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	40.4	43.5		31.7	13.5	70.4		29.4
Change Period (Y+Rc), s	4.9	* 7		4.9	4.4	4.9		5.2
Max Green Setting (Gmax), s	26.6	* 40		27.0	9.1	59.5		30.0
Max Q Clear Time (g_c+I1), s	24.7	29.2		26.5	9.7	25.2		20.2
Green Ext Time (p_c), s	0.1	7.3		0.2	0.0	18.4		1.1

Intersection Summary	
HCM 2010 Ctrl Delay	40.0
HCM 2010 LOS	D

Notes



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	220	90	60	80	70	290	150	570	160	210	1360	210
Future Volume (veh/h)	220	90	60	80	70	290	150	570	160	210	1360	210
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.95	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	232	95	31	84	74	137	158	600	94	221	1432	158
Adj No. of Lanes	1	1	1	1	1	1	1	2	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	256	269	219	206	216	174	171	1412	221	245	1617	177
Arrive On Green	0.14	0.14	0.14	0.12	0.12	0.12	0.10	0.46	0.46	0.14	0.50	0.50
Sat Flow, veh/h	1774	1863	1518	1774	1863	1502	1774	3058	478	1774	3211	351
Grp Volume(v), veh/h	232	95	31	84	74	137	158	347	347	221	784	806
Grp Sat Flow(s),veh/h/ln	1774	1863	1518	1774	1863	1502	1774	1770	1766	1774	1770	1792
Q Serve(g_s), s	17.6	6.3	2.4	6.0	5.0	12.2	12.1	18.0	18.1	16.8	54.1	55.6
Cycle Q Clear(g_c), s	17.6	6.3	2.4	6.0	5.0	12.2	12.1	18.0	18.1	16.8	54.1	55.6
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.27	1.00		0.20
Lane Grp Cap(c), veh/h	256	269	219	206	216	174	171	817	816	245	891	903
V/C Ratio(X)	0.91	0.35	0.14	0.41	0.34	0.79	0.92	0.42	0.43	0.90	0.88	0.89
Avail Cap(c_a), veh/h	263	276	225	247	260	209	171	823	821	295	947	959
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	57.7	52.8	51.2	56.2	55.7	58.9	61.4	24.7	24.7	58.1	30.3	30.7
Incr Delay (d2), s/veh	30.6	0.3	0.1	0.5	0.3	12.2	46.7	0.5	0.5	23.7	9.5	10.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	10.8	3.3	1.0	3.0	2.6	5.7	8.1	8.9	8.9	9.8	28.7	30.0
LnGrp Delay(d),s/veh	88.3	53.1	51.3	56.7	56.1	71.1	108.1	25.1	25.2	81.8	39.8	41.3
LnGrp LOS	F	D	D	E	E	E	F	C	C	F	D	D
Approach Vol, veh/h		358			295			852			1811	
Approach Delay, s/veh		75.7			63.2			40.5			45.6	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	23.3	68.2		24.7	17.6	73.9		20.8
Change Period (Y+Rc), s	4.4	4.9		4.9	4.4	4.9		4.9
Max Green Setting (Gmax), s	22.8	63.7		20.3	13.2	73.3		19.1
Max Q Clear Time (g_c+I1), s	18.8	20.1		19.6	14.1	57.6		14.2
Green Ext Time (p_c), s	0.1	6.4		0.1	0.0	11.4		0.3

Intersection Summary	
HCM 2010 Ctrl Delay	49.1
HCM 2010 LOS	D



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	190	130	150	520	190	190	320	410	100	300	160
Future Volume (veh/h)	140	190	130	150	520	190	190	320	410	100	300	160
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.98	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	147	200	74	158	547	105	200	337	295	105	316	84
Adj No. of Lanes	1	1	0	1	2	0	1	2	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	172	270	100	183	637	122	226	806	691	128	1092	285
Arrive On Green	0.10	0.21	0.21	0.10	0.22	0.22	0.13	0.45	0.45	0.07	0.40	0.40
Sat Flow, veh/h	1774	1286	476	1774	2950	564	1774	1788	1533	1774	2762	721
Grp Volume(v), veh/h	147	0	274	158	327	325	200	334	298	105	200	200
Grp Sat Flow(s),veh/h/ln	1774	0	1762	1774	1770	1744	1774	1770	1551	1774	1770	1713
Q Serve(g_s), s	11.4	0.0	20.4	12.3	24.9	25.1	15.5	17.9	18.3	8.2	10.8	11.2
Cycle Q Clear(g_c), s	11.4	0.0	20.4	12.3	24.9	25.1	15.5	17.9	18.3	8.2	10.8	11.2
Prop In Lane	1.00		0.27	1.00		0.32	1.00		0.99	1.00		0.42
Lane Grp Cap(c), veh/h	172	0	370	183	382	377	226	798	699	128	699	677
V/C Ratio(X)	0.86	0.00	0.74	0.86	0.86	0.86	0.88	0.42	0.43	0.82	0.29	0.29
Avail Cap(c_a), veh/h	247	0	472	260	487	480	331	798	699	196	699	677
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	1.00	1.00	0.93	0.93	0.93	0.27	0.27	0.27
Uniform Delay (d), s/veh	62.3	0.0	51.8	61.8	52.8	52.9	60.1	26.0	26.2	64.1	28.9	29.0
Incr Delay (d2), s/veh	17.8	0.0	4.6	18.4	11.5	12.3	16.4	1.5	1.8	4.5	0.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.4	0.0	10.4	6.9	13.4	13.4	8.6	9.0	8.2	4.2	5.3	5.3
LnGrp Delay(d),s/veh	80.0	0.0	56.4	80.2	64.3	65.1	76.4	27.5	27.9	68.5	29.1	29.3
LnGrp LOS	F		E	F	E	E	E	C	C	E	C	C
Approach Vol, veh/h		421			810			832			505	
Approach Delay, s/veh		64.6			67.7			39.4			37.4	
Approach LOS		E			E			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	14.6	72.6	18.9	33.9	22.4	64.8	18.1	34.8
Change Period (Y+Rc), s	4.5	9.5	4.5	4.5	4.5	9.5	4.5	4.5
Max Green Setting (Gmax), s	15.5	43.5	20.5	37.5	26.1	32.9	19.5	38.5
Max Q Clear Time (g_c+I1), s	10.2	20.3	14.3	22.4	17.5	13.2	13.4	27.1
Green Ext Time (p_c), s	0.1	4.1	0.2	1.5	0.3	2.2	0.2	3.1

Intersection Summary	
HCM 2010 Ctrl Delay	52.1
HCM 2010 LOS	D

Notes

Appendix L
Peak Hour Intersection Worksheets
Two Lane Via Las Cumbres Alternative

AM Peak Hour

HCM 2010 Signalized Intersection Summary
10: Via Las Cumbres & Friar Roads

11/27/2018

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	145	475	115	275	1245	455	95	135	165	135	205	135
Future Volume (veh/h)	145	475	115	275	1245	455	95	135	165	135	205	135
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.98	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	151	495	98	289	1311	321	100	142	79	142	216	100
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	0
Peak Hour Factor	0.96	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	175	973	192	319	1462	638	123	345	283	166	250	116
Arrive On Green	0.10	0.33	0.33	0.18	0.41	0.41	0.07	0.19	0.19	0.09	0.21	0.21
Sat Flow, veh/h	1774	2932	577	1774	3539	1545	1774	1863	1532	1774	1194	553
Grp Volume(v), veh/h	151	298	295	289	1311	321	100	142	79	142	0	316
Grp Sat Flow(s),veh/h/ln	1774	1770	1740	1774	1770	1545	1774	1863	1532	1774	0	1746
Q Serve(g_s), s	11.2	18.0	18.3	21.3	46.2	20.6	7.4	9.0	5.9	10.5	0.0	23.3
Cycle Q Clear(g_c), s	11.2	18.0	18.3	21.3	46.2	20.6	7.4	9.0	5.9	10.5	0.0	23.3
Prop In Lane	1.00		0.33	1.00		1.00	1.00		1.00	1.00		0.32
Lane Grp Cap(c), veh/h	175	587	577	319	1462	638	123	345	283	166	0	366
V/C Ratio(X)	0.86	0.51	0.51	0.91	0.90	0.50	0.81	0.41	0.28	0.85	0.00	0.86
Avail Cap(c_a), veh/h	190	587	577	496	1626	710	163	446	367	190	0	452
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	59.3	35.9	35.9	53.7	36.6	29.1	61.4	48.1	46.8	59.7	0.0	51.0
Incr Delay (d2), s/veh	29.6	0.5	0.5	14.0	6.3	0.4	20.3	0.8	0.5	27.1	0.0	11.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.9	8.9	8.9	11.7	23.9	8.9	4.3	4.7	2.5	6.4	0.0	12.4
LnGrp Delay(d),s/veh	88.9	36.4	36.5	67.7	42.9	29.5	81.7	48.8	47.3	86.8	0.0	62.7
LnGrp LOS	F	D	D	E	D	C	F	D	D	F		E
Approach Vol, veh/h		744			1921			321			458	
Approach Delay, s/veh		47.1			44.4			58.7			70.1	
Approach LOS		D			D			E			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	29.7	55.3	15.0	33.7	18.9	66.1	18.2	30.4
Change Period (Y+Rc), s	5.7	* 11	5.7	* 5.7	5.7	* 11	5.7	5.7
Max Green Setting (Gmax), s	37.4	* 39	12.3	* 35	14.3	* 61	14.3	32.0
Max Q Clear Time (g_c+I1), s	23.3	20.3	9.4	25.3	13.2	48.2	12.5	11.0
Green Ext Time (p_c), s	0.7	2.6	0.1	0.8	0.0	7.0	0.1	0.9

Intersection Summary	
HCM 2010 Ctrl Delay	49.7
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	5	575	80	120	1580	10	185	5	120	20	5	5
Future Volume (veh/h)	5	575	80	120	1580	10	185	5	120	20	5	5
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	0.98		0.97	0.98		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	5	605	58	126	1663	11	195	5	126	21	5	0
Adj No. of Lanes	1	3	0	1	2	0	0	1	1	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	9	2048	194	156	1864	12	359	7	303	150	28	0
Arrive On Green	0.01	0.43	0.43	0.09	0.52	0.52	0.20	0.20	0.20	0.20	0.20	0.00
Sat Flow, veh/h	1774	4713	447	1774	3603	24	1420	36	1535	392	143	0
Grp Volume(v), veh/h	5	433	230	126	816	858	200	0	126	26	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1769	1774	1770	1857	1456	0	1535	536	0	0
Q Serve(g_s), s	0.3	7.5	7.6	6.3	37.2	37.3	0.0	0.0	6.5	1.0	0.0	0.0
Cycle Q Clear(g_c), s	0.3	7.5	7.6	6.3	37.2	37.3	11.2	0.0	6.5	12.2	0.0	0.0
Prop In Lane	1.00		0.25	1.00		0.01	0.97		1.00	0.81		0.00
Lane Grp Cap(c), veh/h	9	1473	769	156	916	961	366	0	303	178	0	0
V/C Ratio(X)	0.54	0.29	0.30	0.81	0.89	0.89	0.55	0.00	0.42	0.15	0.00	0.00
Avail Cap(c_a), veh/h	79	1473	769	177	916	961	632	0	597	430	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	44.7	16.5	16.5	40.3	19.5	19.5	33.5	0.0	31.6	34.8	0.0	0.0
Incr Delay (d2), s/veh	16.9	0.5	1.0	18.5	12.8	12.4	0.7	0.0	0.5	0.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	3.6	3.9	3.9	21.2	22.1	4.7	0.0	2.8	0.6	0.0	0.0
LnGrp Delay(d),s/veh	61.6	17.0	17.5	58.7	32.2	31.9	34.2	0.0	32.1	35.0	0.0	0.0
LnGrp LOS	E	B	B	E	C	C	C		C	D		
Approach Vol, veh/h		668			1800			326			26	
Approach Delay, s/veh		17.5			33.9			33.4			35.0	
Approach LOS		B			C			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	12.3	50.0		27.7	4.9	57.5		27.7
Change Period (Y+Rc), s	4.4	* 11		* 9.9	4.4	* 11		* 9.9
Max Green Setting (Gmax), s	9.0	* 21		* 35	4.0	* 26		* 35
Max Q Clear Time (g_c+I1), s	8.3	9.6		14.2	2.3	39.3		13.2
Green Ext Time (p_c), s	0.0	2.8		0.1	0.0	0.0		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	30.0
HCM 2010 LOS	C

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	435	50	0	150
Future Volume (veh/h)	0	0	435	50	0	150
Number			8	18	1	16
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.98	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1900	1863	1863
Adj Flow Rate, veh/h			458	53	0	158
Adj No. of Lanes			2	0	1	1
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			1757	202	0	0
Arrive On Green			0.55	0.55	0.00	0.00
Sat Flow, veh/h			3285	368	0	
Grp Volume(v), veh/h			253	258	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1790		
Q Serve(g_s), s			0.8	0.8		
Cycle Q Clear(g_c), s			0.8	0.8		
Prop In Lane				0.21		
Lane Grp Cap(c), veh/h			974	985		
V/C Ratio(X)			0.26	0.26		
Avail Cap(c_a), veh/h			2741	2772		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			1.2	1.2		
Incr Delay (d2), s/veh			0.1	0.1		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			0.4	0.4		
LnGrp Delay(d),s/veh			1.3	1.3		
LnGrp LOS			A	A		
Approach Vol, veh/h			511			
Approach Delay, s/veh			1.3			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs								8
Phs Duration (G+Y+Rc), s								10.0
Change Period (Y+Rc), s								4.5
Max Green Setting (Gmax), s								15.5
Max Q Clear Time (g_c+I1), s								2.8
Green Ext Time (p_c), s								2.5

Intersection Summary	
HCM 2010 Ctrl Delay	1.3
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	380	190	1	330
Future Volume (veh/h)	0	0	380	190	1	330
Number			2	12	7	14
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.92	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1863	1863	1863
Adj Flow Rate, veh/h			400	85	1	273
Adj No. of Lanes			2	1	1	2
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			621	256	0	0
Arrive On Green			0.18	0.18	0.00	0.00
Sat Flow, veh/h			3632	1460	0	
Grp Volume(v), veh/h			400	85	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1460		
Q Serve(g_s), s			9.5	4.6		
Cycle Q Clear(g_c), s			9.5	4.6		
Prop In Lane				1.00		
Lane Grp Cap(c), veh/h			621	256		
V/C Ratio(X)			0.64	0.33		
Avail Cap(c_a), veh/h			1813	748		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			34.5	32.5		
Incr Delay (d2), s/veh			1.5	1.0		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			4.7	1.9		
LnGrp Delay(d),s/veh			36.0	33.5		
LnGrp LOS			D	C		
Approach Vol, veh/h			485			
Approach Delay, s/veh			35.6			
Approach LOS			D			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		25.7						
Change Period (Y+Rc), s		* 9.9						
Max Green Setting (Gmax), s		* 46						
Max Q Clear Time (g_c+I1), s		11.5						
Green Ext Time (p_c), s		4.3						

Intersection Summary	
HCM 2010 Ctrl Delay	35.6
HCM 2010 LOS	D

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	125	0	0	100	485
Future Volume (veh/h)	0	125	0	0	100	485
Number	7	4			5	12
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)	1.00				1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863			1863	1863
Adj Flow Rate, veh/h	0	132			105	511
Adj No. of Lanes	0	1			1	1
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	0	2			2	2
Cap, veh/h	0	430			0	0
Arrive On Green	0.00	0.23			0.00	0.00
Sat Flow, veh/h	0	1863			0	
Grp Volume(v), veh/h	0	132			0.0	
Grp Sat Flow(s),veh/h/ln	0	1863				
Q Serve(g_s), s	0.0	0.3				
Cycle Q Clear(g_c), s	0.0	0.3				
Prop In Lane	0.00					
Lane Grp Cap(c), veh/h	0	430				
V/C Ratio(X)	0.00	0.31				
Avail Cap(c_a), veh/h	0	7481				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	0.00	1.00				
Uniform Delay (d), s/veh	0.0	1.9				
Incr Delay (d2), s/veh	0.0	0.4				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	0.0	0.2				
LnGrp Delay(d),s/veh	0.0	2.3				
LnGrp LOS		A				
Approach Vol, veh/h		132				
Approach Delay, s/veh		2.3				
Approach LOS		A				

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4				
Phs Duration (G+Y+Rc), s				5.9				
Change Period (Y+Rc), s				4.5				
Max Green Setting (Gmax), s				23.5				
Max Q Clear Time (g_c+I1), s				2.3				
Green Ext Time (p_c), s				0.6				

Intersection Summary	
HCM 2010 Ctrl Delay	2.3
HCM 2010 LOS	A

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	155	775	0	0	0	740
Future Volume (veh/h)	155	775	0	0	0	740
Number	2	12			7	14
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)		0.98			1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900			1863	1863
Adj Flow Rate, veh/h	163	763			0	654
Adj No. of Lanes	2	0			1	2
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	2	2			2	2
Cap, veh/h	1067	939			0	0
Arrive On Green	0.60	0.60			0.00	0.00
Sat Flow, veh/h	1863	1557			0	
Grp Volume(v), veh/h	163	763			0.0	
Grp Sat Flow(s),veh/h/ln	1770	1557				
Q Serve(g_s), s	1.0	9.6				
Cycle Q Clear(g_c), s	1.0	9.6				
Prop In Lane		1.00				
Lane Grp Cap(c), veh/h	1067	939				
V/C Ratio(X)	0.15	0.81				
Avail Cap(c_a), veh/h	1223	1076				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	1.00	1.00				
Uniform Delay (d), s/veh	2.2	3.9				
Incr Delay (d2), s/veh	0.1	4.6				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	0.5	5.0				
LnGrp Delay(d),s/veh	2.3	8.5				
LnGrp LOS	A	A				
Approach Vol, veh/h	926					
Approach Delay, s/veh	7.4					
Approach LOS	A					

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		25.2						
Change Period (Y+Rc), s		10.0						
Max Green Setting (Gmax), s		17.4						
Max Q Clear Time (g_c+I1), s		11.6						
Green Ext Time (p_c), s		3.6						

Intersection Summary	
HCM 2010 Ctrl Delay	7.4
HCM 2010 LOS	A

HCM 2010 Signalized Intersection Summary
74: Fashion Valley Road & Riverwalk Drive/Avenida Del Rio

01/15/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	90	350	90	70	150	90	180	370	150	80	200	70
Future Volume (veh/h)	90	350	90	70	150	90	180	370	150	80	200	70
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.96
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	95	368	74	74	158	53	189	389	74	84	211	11
Adj No. of Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	125	407	82	116	354	119	220	1003	189	121	968	50
Arrive On Green	0.07	0.27	0.27	0.07	0.27	0.27	0.25	0.68	0.68	0.07	0.28	0.28
Sat Flow, veh/h	1774	1500	302	1774	1327	445	1774	2957	557	1774	3417	177
Grp Volume(v), veh/h	95	0	442	74	0	211	189	231	232	84	109	113
Grp Sat Flow(s),veh/h/ln	1774	0	1801	1774	0	1772	1774	1770	1745	1774	1770	1824
Q Serve(g_s), s	4.7	0.0	21.3	3.7	0.0	8.9	9.2	5.1	5.2	4.2	4.2	4.3
Cycle Q Clear(g_c), s	4.7	0.0	21.3	3.7	0.0	8.9	9.2	5.1	5.2	4.2	4.2	4.3
Prop In Lane	1.00		0.17	1.00		0.25	1.00		0.32	1.00		0.10
Lane Grp Cap(c), veh/h	125	0	489	116	0	472	220	600	592	121	501	517
V/C Ratio(X)	0.76	0.00	0.90	0.64	0.00	0.45	0.86	0.38	0.39	0.69	0.22	0.22
Avail Cap(c_a), veh/h	207	0	550	140	0	475	266	600	592	193	501	517
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.95	0.95	0.95	0.86	0.86	0.86
Uniform Delay (d), s/veh	41.1	0.0	31.7	41.0	0.0	27.5	33.1	10.4	10.4	41.0	24.6	24.6
Incr Delay (d2), s/veh	9.0	0.0	17.2	6.8	0.0	0.7	19.6	1.8	1.8	6.0	0.9	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	0.0	12.9	2.0	0.0	4.4	5.6	2.7	2.7	2.3	2.2	2.3
LnGrp Delay(d),s/veh	50.1	0.0	48.8	47.8	0.0	28.2	52.6	12.1	12.2	47.0	25.5	25.5
LnGrp LOS	D		D	D		C	D	B	B	D	C	C
Approach Vol, veh/h		537			285			652			306	
Approach Delay, s/veh		49.0			33.3			23.9			31.4	
Approach LOS		D			C			C			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	10.6	40.0	10.4	28.9	15.7	35.0	10.8	28.5
Change Period (Y+Rc), s	4.5	9.5	4.5	4.5	4.5	9.5	4.5	4.5
Max Green Setting (Gmax), s	9.8	22.6	7.1	27.5	13.5	18.9	10.5	24.1
Max Q Clear Time (g_c+I1), s	6.2	7.2	5.7	23.3	11.2	6.3	6.7	10.9
Green Ext Time (p_c), s	0.0	2.3	0.0	1.1	0.1	0.9	0.1	0.9

Intersection Summary	
HCM 2010 Ctrl Delay	34.3
HCM 2010 LOS	C

Notes



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	440	75	380	190	80	545
Future Volume (veh/h)	440	75	380	190	80	545
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		0.97	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	463	-5	400	42	84	574
Adj No. of Lanes	1	1	1	0	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	547	488	502	53	176	930
Arrive On Green	0.31	0.00	0.30	0.30	0.10	0.50
Sat Flow, veh/h	1774	1583	1652	173	1774	1863
Grp Volume(v), veh/h	463	-5	0	442	84	574
Grp Sat Flow(s),veh/h/ln	1774	1583	0	1825	1774	1863
Q Serve(g_s), s	11.4	0.0	0.0	10.4	2.1	10.4
Cycle Q Clear(g_c), s	11.4	0.0	0.0	10.4	2.1	10.4
Prop In Lane	1.00	1.00		0.10	1.00	
Lane Grp Cap(c), veh/h	547	488	0	555	176	930
V/C Ratio(X)	0.85	-0.01	0.00	0.80	0.48	0.62
Avail Cap(c_a), veh/h	815	727	0	702	265	1174
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	0.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	15.2	0.0	0.0	15.0	19.9	8.5
Incr Delay (d2), s/veh	5.4	0.0	0.0	5.1	2.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	6.4	0.0	0.0	5.9	1.1	5.4
LnGrp Delay(d),s/veh	20.6	0.0	0.0	20.0	21.9	9.2
LnGrp LOS	C			C	C	A
Approach Vol, veh/h	458		442			658
Approach Delay, s/veh	20.8		20.0			10.8
Approach LOS	C		C			B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	9.2	18.7				27.9		18.9
Change Period (Y+Rc), s	4.5	4.5				4.5		4.5
Max Green Setting (Gmax), s	7.0	18.0				29.5		21.5
Max Q Clear Time (g_c+I1), s	4.1	12.4				12.4		13.4
Green Ext Time (p_c), s	0.0	1.3				3.4		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	16.4
HCM 2010 LOS	B



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	130	110	395	735	105	245
Future Volume (veh/h)	130	110	395	735	105	245
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	137	0	416	774	111	16
Adj No. of Lanes	1	1	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	173	155	448	2643	1379	195
Arrive On Green	0.10	0.00	0.25	0.75	0.44	0.44
Sat Flow, veh/h	1774	1583	1774	3632	3198	438
Grp Volume(v), veh/h	137	0	416	774	62	65
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1774
Q Serve(g_s), s	6.8	0.0	20.6	6.4	1.8	1.9
Cycle Q Clear(g_c), s	6.8	0.0	20.6	6.4	1.8	1.9
Prop In Lane	1.00	1.00	1.00			0.25
Lane Grp Cap(c), veh/h	173	155	448	2643	786	788
V/C Ratio(X)	0.79	0.00	0.93	0.29	0.08	0.08
Avail Cap(c_a), veh/h	463	413	463	2643	786	788
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.97	0.00	0.89	0.89	1.00	1.00
Uniform Delay (d), s/veh	39.7	0.0	32.8	3.7	14.4	14.4
Incr Delay (d2), s/veh	7.6	0.0	22.7	0.3	0.2	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.7	0.0	12.9	3.1	0.9	1.0
LnGrp Delay(d),s/veh	47.3	0.0	55.5	3.9	14.6	14.6
LnGrp LOS	D		E	A	B	B
Approach Vol, veh/h	137			1190	127	
Approach Delay, s/veh	47.3			22.0	14.6	
Approach LOS	D			C	B	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		76.7		13.3	27.2	49.5		
Change Period (Y+Rc), s		9.5		4.5	4.5	9.5		
Max Green Setting (Gmax), s		52.5		23.5	23.5	24.5		
Max Q Clear Time (g_c+I1), s		8.4		8.8	22.6	3.9		
Green Ext Time (p_c), s		6.2		0.3	0.1	0.6		

Intersection Summary	
HCM 2010 Ctrl Delay	23.7
HCM 2010 LOS	C

HCM 2010 Signalized Intersection Summary
78: Via Las Cumbres & Hotel Circle North

11/27/2018

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	100	355	365	490	375	0	0	685	175
Future Volume (veh/h)	0	0	0	100	355	365	490	375	0	0	685	175
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.97	1.00		1.00	1.00		0.96
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				105	374	26	516	395	0	0	721	37
Adj No. of Lanes				0	2	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				131	497	267	540	2040	0	0	868	353
Arrive On Green				0.17	0.17	0.17	0.30	0.58	0.00	0.00	0.23	0.23
Sat Flow, veh/h				751	2843	1529	1774	3632	0	0	3725	1515
Grp Volume(v), veh/h				255	224	26	516	395	0	0	721	37
Grp Sat Flow(s),veh/h/ln				1825	1770	1529	1774	1770	0	0	1863	1515
Q Serve(g_s), s				15.4	13.7	1.6	32.8	6.1	0.0	0.0	21.2	2.2
Cycle Q Clear(g_c), s				15.4	13.7	1.6	32.8	6.1	0.0	0.0	21.2	2.2
Prop In Lane				0.41		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				319	309	267	540	2040	0	0	868	353
V/C Ratio(X)				0.80	0.72	0.10	0.96	0.19	0.00	0.00	0.83	0.10
Avail Cap(c_a), veh/h				429	415	359	551	2277	0	0	1095	445
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	1.00	1.00	0.33	0.33	0.00	0.00	0.83	0.83
Uniform Delay (d), s/veh				45.5	44.8	39.8	39.2	11.6	0.0	0.0	42.0	34.7
Incr Delay (d2), s/veh				7.6	4.1	0.2	13.0	0.0	0.0	0.0	7.7	0.5
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				8.5	7.1	0.7	18.0	3.0	0.0	0.0	11.8	1.0
LnGrp Delay(d),s/veh				53.1	48.9	40.0	52.3	11.6	0.0	0.0	49.7	35.2
LnGrp LOS				D	D	D	D	B			D	D
Approach Vol, veh/h					505			911			758	
Approach Delay, s/veh					50.5			34.6			49.0	
Approach LOS					D			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		70.8			39.5	31.3		29.6
Change Period (Y+Rc), s		4.5			4.5	4.5		9.5
Max Green Setting (Gmax), s		74.0			35.7	33.8		27.0
Max Q Clear Time (g_c+I1), s		8.1			34.8	23.2		17.4
Green Ext Time (p_c), s		2.8			0.2	3.6		2.0

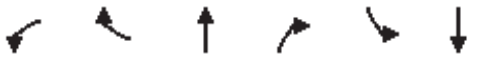
Intersection Summary	
HCM 2010 Ctrl Delay	43.3
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	375	660	30	0	0	0	0	120	60	1410	95	0
Future Volume (veh/h)	375	660	30	0	0	0	0	120	60	1410	95	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96				1.00		0.96	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1900	1863	1863	0
Adj Flow Rate, veh/h	395	695	21				0	126	52	1484	100	0
Adj No. of Lanes	1	2	0				0	1	0	2	1	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	420	829	25				0	197	81	1549	838	0
Arrive On Green	0.24	0.24	0.24				0.00	0.16	0.16	0.45	0.45	0.00
Sat Flow, veh/h	1774	3502	106				0	1238	511	3442	1863	0
Grp Volume(v), veh/h	395	351	365				0	0	178	1484	100	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1839				0	0	1749	1721	1863	0
Q Serve(g_s), s	26.2	22.7	22.7				0.0	0.0	11.4	50.0	3.7	0.0
Cycle Q Clear(g_c), s	26.2	22.7	22.7				0.0	0.0	11.4	50.0	3.7	0.0
Prop In Lane	1.00		0.06				0.00		0.29	1.00		0.00
Lane Grp Cap(c), veh/h	420	419	435				0	0	278	1549	838	0
V/C Ratio(X)	0.94	0.84	0.84				0.00	0.00	0.64	0.96	0.12	0.00
Avail Cap(c_a), veh/h	421	420	437				0	0	278	1577	854	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00				0.00	0.00	1.00	0.68	0.68	0.00
Uniform Delay (d), s/veh	45.0	43.6	43.6				0.0	0.0	47.2	31.9	19.2	0.0
Incr Delay (d2), s/veh	29.3	13.9	13.5				0.0	0.0	4.9	11.2	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.3	12.7	13.2				0.0	0.0	5.9	26.1	2.0	0.0
LnGrp Delay(d),s/veh	74.3	57.5	57.1				0.0	0.0	52.1	43.1	19.4	0.0
LnGrp LOS	E	E	E						D	D	B	
Approach Vol, veh/h		1111						178			1584	
Approach Delay, s/veh		63.3						52.1			41.6	
Approach LOS		E						D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		23.6		37.9		58.5		
Change Period (Y+Rc), s		4.5		9.5		4.5		
Max Green Setting (Gmax), s		18.0		28.5		55.0		
Max Q Clear Time (g_c+I1), s		13.4		28.2		52.0		
Green Ext Time (p_c), s		0.4		0.2		2.0		

Intersection Summary	
HCM 2010 Ctrl Delay	50.7
HCM 2010 LOS	D



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	0	170	450	465	0	0
Future Volume (veh/h)	0	170	450	465	0	0
Number	7	14	2	12		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		0.98		
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900		
Adj Flow Rate, veh/h	0	21	474	57		
Adj No. of Lanes	1	1	2	0		
Peak Hour Factor	0.95	0.95	0.95	0.95		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	0	0	1403	168		
Arrive On Green	0.00	0.00	0.44	0.44		
Sat Flow, veh/h	0		3268	380		
Grp Volume(v), veh/h	0.0		263	268		
Grp Sat Flow(s),veh/h/ln			1770	1785		
Q Serve(g_s), s			1.7	1.7		
Cycle Q Clear(g_c), s			1.7	1.7		
Prop In Lane				0.21		
Lane Grp Cap(c), veh/h			782	789		
V/C Ratio(X)			0.34	0.34		
Avail Cap(c_a), veh/h			1872	1888		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			3.1	3.1		
Incr Delay (d2), s/veh			0.3	0.3		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			0.8	0.9		
LnGrp Delay(d),s/veh			3.4	3.4		
LnGrp LOS			A	A		
Approach Vol, veh/h			531			
Approach Delay, s/veh			3.4			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		17.0						
Change Period (Y+Rc), s		9.5						
Max Green Setting (Gmax), s		18.0						
Max Q Clear Time (g_c+I1), s		3.7						
Green Ext Time (p_c), s		2.6						

Intersection Summary	
HCM 2010 Ctrl Delay	3.4
HCM 2010 LOS	A

PM Peak Hour

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	190	1145	95	90	600	255	85	330	135	100	350	115
Future Volume (veh/h)	190	1145	95	90	600	255	85	330	135	100	350	115
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.97	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	198	1193	57	94	625	204	89	344	79	104	365	68
Adj No. of Lanes	1	2	0	1	2	1	1	1	1	1	1	0
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	229	1274	61	119	1093	473	112	467	387	129	396	74
Arrive On Green	0.13	0.37	0.37	0.07	0.31	0.31	0.06	0.25	0.25	0.07	0.26	0.26
Sat Flow, veh/h	1774	3434	164	1774	3539	1532	1774	1863	1545	1774	1521	283
Grp Volume(v), veh/h	198	614	636	94	625	204	89	344	79	104	0	433
Grp Sat Flow(s),veh/h/ln	1774	1770	1828	1774	1770	1532	1774	1863	1545	1774	0	1805
Q Serve(g_s), s	12.8	39.2	39.3	6.1	17.4	12.5	5.8	19.9	4.7	6.8	0.0	27.4
Cycle Q Clear(g_c), s	12.8	39.2	39.3	6.1	17.4	12.5	5.8	19.9	4.7	6.8	0.0	27.4
Prop In Lane	1.00		0.09	1.00		1.00	1.00		1.00	1.00		0.16
Lane Grp Cap(c), veh/h	229	657	678	119	1093	473	112	467	387	129	0	469
V/C Ratio(X)	0.86	0.94	0.94	0.79	0.57	0.43	0.79	0.74	0.20	0.80	0.00	0.92
Avail Cap(c_a), veh/h	360	683	706	246	1134	491	186	592	491	201	0	598
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	50.1	35.6	35.6	53.9	34.0	32.3	54.2	40.4	34.7	53.6	0.0	42.3
Incr Delay (d2), s/veh	12.3	19.6	19.4	11.2	0.5	0.4	11.7	3.6	0.3	12.2	0.0	15.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.1	22.7	23.4	3.4	8.6	5.3	3.2	10.7	2.0	3.8	0.0	15.7
LnGrp Delay(d),s/veh	62.4	55.2	55.0	65.1	34.6	32.8	65.9	44.0	35.0	65.7	0.0	57.8
LnGrp LOS	E	E	E	E	C	C	E	D	C	E		E
Approach Vol, veh/h		1448			923			512			537	
Approach Delay, s/veh		56.1			37.3			46.4			59.3	
Approach LOS		E			D			D			E	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	13.5	54.4	13.1	36.2	20.8	47.1	14.3	35.1
Change Period (Y+Rc), s	5.7	* 11	5.7	* 5.7	5.7	* 11	5.7	5.7
Max Green Setting (Gmax), s	16.3	* 45	12.3	* 39	23.8	* 38	13.3	37.3
Max Q Clear Time (g_c+I1), s	8.1	41.3	7.8	29.4	14.8	19.4	8.8	21.9
Green Ext Time (p_c), s	0.1	2.2	0.1	0.5	0.3	3.3	0.1	1.1

Intersection Summary	
HCM 2010 Ctrl Delay	50.1
HCM 2010 LOS	D

Notes

HCM 2010 Signalized Intersection Summary
11: Fashion Valley Road & Friar Roads

11/27/2018

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	1545	270	220	875	30	185	20	195	10	10	10
Future Volume (veh/h)	20	1545	270	220	875	30	185	20	195	10	10	10
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	21	1626	231	232	921	32	195	21	131	11	11	6
Adj No. of Lanes	1	3	0	1	2	0	0	1	1	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	28	1647	233	240	1848	64	258	23	450	44	40	14
Arrive On Green	0.02	0.37	0.37	0.14	0.53	0.53	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	1774	4484	634	1774	3484	121	731	79	1551	37	136	47
Grp Volume(v), veh/h	21	1228	629	232	468	485	216	0	131	28	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1728	1774	1770	1835	810	0	1551	220	0	0
Q Serve(g_s), s	1.8	53.9	54.3	19.5	25.3	25.3	0.0	0.0	9.8	0.7	0.0	0.0
Cycle Q Clear(g_c), s	1.8	53.9	54.3	19.5	25.3	25.3	40.8	0.0	9.8	41.5	0.0	0.0
Prop In Lane	1.00		0.37	1.00		0.07	0.90		1.00	0.39		0.21
Lane Grp Cap(c), veh/h	28	1245	635	240	939	974	280	0	450	97	0	0
V/C Ratio(X)	0.76	0.99	0.99	0.97	0.50	0.50	0.77	0.00	0.29	0.29	0.00	0.00
Avail Cap(c_a), veh/h	71	1245	635	240	939	974	349	0	524	169	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	73.6	47.1	47.2	64.5	22.5	22.5	52.3	0.0	41.3	43.2	0.0	0.0
Incr Delay (d2), s/veh	14.7	22.4	33.7	48.1	1.9	1.8	6.6	0.0	0.2	0.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	29.1	31.8	12.8	12.8	13.3	9.3	0.0	4.2	0.9	0.0	0.0
LnGrp Delay(d),s/veh	88.2	69.4	80.9	112.6	24.4	24.3	58.9	0.0	41.5	44.1	0.0	0.0
LnGrp LOS	F	E	F	F	C	C	E		D	D		
Approach Vol, veh/h		1878			1185			347			28	
Approach Delay, s/veh		73.5			41.6			52.3			44.1	
Approach LOS		E			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	30.6	66.0		53.4	6.7	89.9		53.4
Change Period (Y+Rc), s	* 10	* 11		* 9.9	4.4	10.3		* 9.9
Max Green Setting (Gmax), s	* 19	* 55		* 51	6.0	68.7		* 51
Max Q Clear Time (g_c+I1), s	21.5	56.3		43.5	3.8	27.3		42.8
Green Ext Time (p_c), s	0.0	0.0		0.0	0.0	8.9		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	60.1
HCM 2010 LOS	E

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	195	95	0	90
Future Volume (veh/h)	0	0	195	95	0	90
Number			8	18	1	16
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.97	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1900	1863	1863
Adj Flow Rate, veh/h			205	100	0	95
Adj No. of Lanes			2	0	1	1
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			779	363	0	0
Arrive On Green			0.34	0.34	0.00	0.00
Sat Flow, veh/h			2414	1082	0	
Grp Volume(v), veh/h			154	151	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1633		
Q Serve(g_s), s			0.9	1.0		
Cycle Q Clear(g_c), s			0.9	1.0		
Prop In Lane				0.66		
Lane Grp Cap(c), veh/h			594	548		
V/C Ratio(X)			0.26	0.28		
Avail Cap(c_a), veh/h			2041	1884		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			3.5	3.5		
Incr Delay (d2), s/veh			0.2	0.3		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			0.5	0.5		
LnGrp Delay(d),s/veh			3.7	3.7		
LnGrp LOS			A	A		
Approach Vol, veh/h			305			
Approach Delay, s/veh			3.7			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs								8
Phs Duration (G+Y+Rc), s								14.3
Change Period (Y+Rc), s								9.5
Max Green Setting (Gmax), s								16.5
Max Q Clear Time (g_c+I1), s								3.0
Green Ext Time (p_c), s								1.5

Intersection Summary	
HCM 2010 Ctrl Delay	3.7
HCM 2010 LOS	A



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	530	420	1	630
Future Volume (veh/h)	0	0	530	420	1	630
Number			2	12	7	14
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.95	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1863	1863	1863
Adj Flow Rate, veh/h			558	337	1	558
Adj No. of Lanes			2	1	1	2
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			1092	463	0	0
Arrive On Green			0.31	0.31	0.00	0.00
Sat Flow, veh/h			3632	1500	0	
Grp Volume(v), veh/h			558	337	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1500		
Q Serve(g_s), s			11.6	18.0		
Cycle Q Clear(g_c), s			11.6	18.0		
Prop In Lane				1.00		
Lane Grp Cap(c), veh/h			1092	463		
V/C Ratio(X)			0.51	0.73		
Avail Cap(c_a), veh/h			1931	818		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			25.5	27.8		
Incr Delay (d2), s/veh			0.5	3.0		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			5.7	7.9		
LnGrp Delay(d),s/veh			26.1	30.8		
LnGrp LOS			C	C		
Approach Vol, veh/h			895			
Approach Delay, s/veh			27.8			
Approach LOS			C			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		37.7						
Change Period (Y+Rc), s		* 9.9						
Max Green Setting (Gmax), s		* 49						
Max Q Clear Time (g_c+I1), s		20.0						
Green Ext Time (p_c), s		7.7						

Intersection Summary	
HCM 2010 Ctrl Delay	27.8
HCM 2010 LOS	C

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	180	0	0	95	185
Future Volume (veh/h)	0	180	0	0	95	185
Number	7	4			1	16
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)	1.00				1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	0	1863			1863	1863
Adj Flow Rate, veh/h	0	189			100	163
Adj No. of Lanes	0	1			1	1
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	0	2			2	2
Cap, veh/h	0	580			0	0
Arrive On Green	0.00	0.31			0.00	0.00
Sat Flow, veh/h	0	1863			0	
Grp Volume(v), veh/h	0	189			0.0	
Grp Sat Flow(s),veh/h/ln	0	1863				
Q Serve(g_s), s	0.0	0.5				
Cycle Q Clear(g_c), s	0.0	0.5				
Prop In Lane	0.00					
Lane Grp Cap(c), veh/h	0	580				
V/C Ratio(X)	0.00	0.33				
Avail Cap(c_a), veh/h	0	6416				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	0.00	1.00				
Uniform Delay (d), s/veh	0.0	1.7				
Incr Delay (d2), s/veh	0.0	0.3				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	0.0	0.3				
LnGrp Delay(d),s/veh	0.0	2.0				
LnGrp LOS		A				
Approach Vol, veh/h		189				
Approach Delay, s/veh		2.0				
Approach LOS		A				

Timer	1	2	3	4	5	6	7	8
Assigned Phs				4				
Phs Duration (G+Y+Rc), s				6.5				
Change Period (Y+Rc), s				4.5				
Max Green Setting (Gmax), s				22.5				
Max Q Clear Time (g_c+I1), s				2.5				
Green Ext Time (p_c), s				0.9				

Intersection Summary	
HCM 2010 Ctrl Delay	2.0
HCM 2010 LOS	A

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	310	980	0	0	0	900
Future Volume (veh/h)	310	980	0	0	0	900
Number	2	12			3	18
Initial Q (Qb), veh	0	0			0	0
Ped-Bike Adj(A_pbT)		0.99			1.00	1.00
Parking Bus, Adj	1.00	1.00			1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1900			1863	1863
Adj Flow Rate, veh/h	326	937			0	852
Adj No. of Lanes	2	0			1	2
Peak Hour Factor	0.95	0.95			0.95	0.95
Percent Heavy Veh, %	2	2			2	2
Cap, veh/h	1197	1055			0	0
Arrive On Green	0.68	0.68			0.00	0.00
Sat Flow, veh/h	1863	1560			0	
Grp Volume(v), veh/h	326	937			0.0	
Grp Sat Flow(s),veh/h/ln	1770	1560				
Q Serve(g_s), s	2.3	15.0				
Cycle Q Clear(g_c), s	2.3	15.0				
Prop In Lane		1.00				
Lane Grp Cap(c), veh/h	1197	1055				
V/C Ratio(X)	0.27	0.89				
Avail Cap(c_a), veh/h	1259	1110				
HCM Platoon Ratio	1.00	1.00				
Upstream Filter(I)	1.00	1.00				
Uniform Delay (d), s/veh	2.0	4.0				
Incr Delay (d2), s/veh	0.2	8.9				
Initial Q Delay(d3),s/veh	0.0	0.0				
%ile BackOfQ(50%),veh/ln	1.1	8.6				
LnGrp Delay(d),s/veh	2.1	12.9				
LnGrp LOS	A	B				
Approach Vol, veh/h	1263					
Approach Delay, s/veh	10.2					
Approach LOS	B					

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		30.9						
Change Period (Y+Rc), s		10.0						
Max Green Setting (Gmax), s		22.0						
Max Q Clear Time (g_c+I1), s		17.0						
Green Ext Time (p_c), s		3.9						

Intersection Summary	
HCM 2010 Ctrl Delay	10.2
HCM 2010 LOS	B

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	140	190	130	150	520	190	190	320	410	100	300	160
Future Volume (veh/h)	140	190	130	150	520	190	190	320	410	100	300	160
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		0.97	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	147	200	74	158	547	105	200	337	295	105	316	84
Adj No. of Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	138	387	143	138	454	87	138	519	444	133	796	208
Arrive On Green	0.08	0.30	0.30	0.08	0.30	0.30	0.03	0.10	0.10	0.07	0.29	0.29
Sat Flow, veh/h	1774	1290	477	1774	1514	291	1774	1778	1522	1774	2756	719
Grp Volume(v), veh/h	147	0	274	158	0	652	200	335	297	105	201	199
Grp Sat Flow(s),veh/h/ln	1774	0	1767	1774	0	1804	1774	1770	1531	1774	1770	1706
Q Serve(g_s), s	7.0	0.0	11.6	7.0	0.0	27.0	7.0	16.4	16.8	5.2	8.2	8.5
Cycle Q Clear(g_c), s	7.0	0.0	11.6	7.0	0.0	27.0	7.0	16.4	16.8	5.2	8.2	8.5
Prop In Lane	1.00		0.27	1.00		0.16	1.00		0.99	1.00		0.42
Lane Grp Cap(c), veh/h	138	0	530	138	0	541	138	516	447	133	511	493
V/C Ratio(X)	1.07	0.00	0.52	1.15	0.00	1.20	1.45	0.65	0.66	0.79	0.39	0.40
Avail Cap(c_a), veh/h	138	0	530	138	0	541	138	516	447	171	511	493
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.92	0.92	0.92	0.27	0.27	0.27
Uniform Delay (d), s/veh	41.5	0.0	26.1	41.5	0.0	31.5	43.8	36.2	36.4	40.9	25.7	25.8
Incr Delay (d2), s/veh	95.1	0.0	0.9	120.9	0.0	108.6	235.4	5.7	7.0	5.1	0.6	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	7.1	0.0	5.8	8.0	0.0	29.7	12.5	8.9	8.0	2.8	4.1	4.1
LnGrp Delay(d),s/veh	136.7	0.0	27.0	162.4	0.0	140.1	279.3	42.0	43.4	46.1	26.3	26.4
LnGrp LOS	F		C	F		F	F	D	D	D	C	C
Approach Vol, veh/h		421			810			832			505	
Approach Delay, s/veh		65.3			144.4			99.5			30.5	
Approach LOS		E			F			F			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	11.2	35.8	11.5	31.5	11.5	35.5	11.5	31.5
Change Period (Y+Rc), s	4.5	9.5	4.5	4.5	4.5	9.5	4.5	4.5
Max Green Setting (Gmax), s	8.7	24.3	7.0	27.0	7.0	26.0	7.0	27.0
Max Q Clear Time (g_c+I1), s	7.2	18.8	9.0	13.6	9.0	10.5	9.0	29.0
Green Ext Time (p_c), s	0.0	1.9	0.0	1.4	0.0	2.0	0.0	0.0

Intersection Summary	
HCM 2010 Ctrl Delay	94.5
HCM 2010 LOS	F

Notes



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	250	155	730	40	105	890
Future Volume (veh/h)	250	155	730	40	105	890
Number	3	18	2	12	1	6
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863
Adj Flow Rate, veh/h	263	79	768	-116	111	937
Adj No. of Lanes	1	1	1	0	1	1
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	359	320	780	0	208	1111
Arrive On Green	0.20	0.20	0.38	0.00	0.12	0.60
Sat Flow, veh/h	1774	1583	2265	-342	1774	1863
Grp Volume(v), veh/h	263	79	0	0	111	937
Grp Sat Flow(s),veh/h/ln	1774	1583	0	0	1774	1863
Q Serve(g_s), s	6.2	1.9	0.0	0.0	2.6	18.3
Cycle Q Clear(g_c), s	6.2	1.9	0.0	0.0	2.6	18.3
Prop In Lane	1.00	1.00		-0.18	1.00	
Lane Grp Cap(c), veh/h	359	320	0	0	208	1111
V/C Ratio(X)	0.73	0.25	0.00	0.00	0.53	0.84
Avail Cap(c_a), veh/h	996	889	0	0	290	1496
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	16.7	15.0	0.0	0.0	18.6	7.3
Incr Delay (d2), s/veh	2.9	0.4	0.0	0.0	2.1	3.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.3	0.8	0.0	0.0	1.4	10.2
LnGrp Delay(d),s/veh	19.6	15.4	0.0	0.0	20.7	10.8
LnGrp LOS	B	B			C	B
Approach Vol, veh/h	342		0			1048
Approach Delay, s/veh	18.6		0.0			11.8
Approach LOS	B					B

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	9.7	21.4				31.2		13.5
Change Period (Y+Rc), s	4.5	4.5				4.5		4.5
Max Green Setting (Gmax), s	7.3	24.1				35.9		25.1
Max Q Clear Time (g_c+I1), s	4.6	0.0				20.3		8.2
Green Ext Time (p_c), s	0.1	0.0				6.4		1.0

Intersection Summary	
HCM 2010 Ctrl Delay	13.5
HCM 2010 LOS	B



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	130	110	400	905	320	245
Future Volume (veh/h)	130	110	400	905	320	245
Number	7	14	5	2	6	16
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			0.95
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	137	84	421	953	337	195
Adj No. of Lanes	1	1	1	2	2	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	183	163	751	2624	455	257
Arrive On Green	0.10	0.10	0.42	0.74	0.21	0.21
Sat Flow, veh/h	1774	1583	1774	3632	2235	1207
Grp Volume(v), veh/h	137	84	421	953	277	255
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1580
Q Serve(g_s), s	6.8	4.5	16.2	8.6	13.1	13.7
Cycle Q Clear(g_c), s	6.8	4.5	16.2	8.6	13.1	13.7
Prop In Lane	1.00	1.00	1.00			0.76
Lane Grp Cap(c), veh/h	183	163	751	2624	376	336
V/C Ratio(X)	0.75	0.51	0.56	0.36	0.74	0.76
Avail Cap(c_a), veh/h	493	440	751	2624	472	421
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.91	0.91	0.73	0.73	1.00	1.00
Uniform Delay (d), s/veh	39.2	38.2	19.6	4.1	33.1	33.3
Incr Delay (d2), s/veh	5.5	2.3	0.7	0.3	12.1	14.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.6	4.1	8.0	4.2	7.7	7.3
LnGrp Delay(d),s/veh	44.7	40.5	20.3	4.4	45.2	48.2
LnGrp LOS	D	D	C	A	D	D
Approach Vol, veh/h	221			1374	532	
Approach Delay, s/veh	43.1			9.3	46.7	
Approach LOS	D			A	D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		76.2		13.8	47.6	28.6		
Change Period (Y+Rc), s		9.5		4.5	9.5	* 9.5		
Max Green Setting (Gmax), s		51.0		25.0	22.5	* 24		
Max Q Clear Time (g_c+I1), s		10.6		8.8	18.2	15.7		
Green Ext Time (p_c), s		8.1		0.6	0.6	2.1		

Intersection Summary	
HCM 2010 Ctrl Delay	22.1
HCM 2010 LOS	C

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	0	0	0	260	945	675	100	360	0	0	685	305
Future Volume (veh/h)	0	0	0	260	945	675	100	360	0	0	685	305
Number				3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh				0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)				1.00		0.98	1.00		1.00	1.00		0.96
Parking Bus, Adj				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln				1900	1863	1863	1863	1863	0	0	1863	1863
Adj Flow Rate, veh/h				274	995	511	105	379	0	0	721	174
Adj No. of Lanes				0	2	1	1	2	0	0	2	1
Peak Hour Factor				0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %				2	2	2	2	2	0	0	2	2
Cap, veh/h				267	1037	565	138	1265	0	0	890	362
Arrive On Green				0.36	0.36	0.36	0.08	0.36	0.00	0.00	0.24	0.24
Sat Flow, veh/h				737	2858	1557	1774	3632	0	0	3725	1517
Grp Volume(v), veh/h				679	590	511	105	379	0	0	721	174
Grp Sat Flow(s),veh/h/ln				1826	1770	1557	1774	1770	0	0	1863	1517
Q Serve(g_s), s				39.9	35.1	34.2	6.4	8.5	0.0	0.0	20.1	10.8
Cycle Q Clear(g_c), s				39.9	35.1	34.2	6.4	8.5	0.0	0.0	20.1	10.8
Prop In Lane				0.40		1.00	1.00		0.00	0.00		1.00
Lane Grp Cap(c), veh/h				662	642	565	138	1265	0	0	890	362
V/C Ratio(X)				1.02	0.92	0.90	0.76	0.30	0.00	0.00	0.81	0.48
Avail Cap(c_a), veh/h				662	642	565	290	1805	0	0	1138	463
HCM Platoon Ratio				1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)				1.00	1.00	1.00	0.64	0.64	0.00	0.00	0.86	0.86
Uniform Delay (d), s/veh				35.1	33.5	33.2	49.7	25.4	0.0	0.0	39.5	36.0
Incr Delay (d2), s/veh				41.4	18.6	18.1	5.5	0.1	0.0	0.0	6.8	3.9
Initial Q Delay(d3),s/veh				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln				27.7	20.4	17.5	3.3	4.2	0.0	0.0	11.2	4.9
LnGrp Delay(d),s/veh				76.4	52.1	51.3	55.3	25.5	0.0	0.0	46.3	39.9
LnGrp LOS				F	D	D	E	C			D	D
Approach Vol, veh/h					1780			484			895	
Approach Delay, s/veh					61.2			32.0			45.1	
Approach LOS					E			C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2			5	6		8
Phs Duration (G+Y+Rc), s		43.8			13.0	30.8		49.4
Change Period (Y+Rc), s		4.5			4.5	4.5		9.5
Max Green Setting (Gmax), s		56.1			18.0	33.6		39.9
Max Q Clear Time (g_c+I1), s		10.5			8.4	22.1		41.9
Green Ext Time (p_c), s		2.7			0.1	4.2		0.0

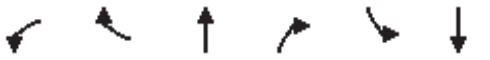
Intersection Summary	
HCM 2010 Ctrl Delay	52.1
HCM 2010 LOS	D

Notes

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	320	340	40	0	0	0	0	20	40	1025	55	0
Future Volume (veh/h)	320	340	40	0	0	0	0	20	40	1025	55	0
Number	7	4	14				5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900				0	1863	1900	1863	1863	0
Adj Flow Rate, veh/h	337	358	31				0	21	31	1079	58	0
Adj No. of Lanes	1	2	0				0	1	0	2	1	0
Peak Hour Factor	0.95	0.95	0.95				0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2				0	2	2	2	2	0
Cap, veh/h	390	722	62				0	205	303	1146	620	0
Arrive On Green	0.22	0.22	0.22				0.00	0.30	0.30	0.33	0.33	0.00
Sat Flow, veh/h	1774	3284	282				0	672	992	3442	1863	0
Grp Volume(v), veh/h	337	192	197				0	0	52	1079	58	0
Grp Sat Flow(s),veh/h/ln	1774	1770	1797				0	0	1664	1721	1863	0
Q Serve(g_s), s	23.8	12.3	12.5				0.0	0.0	2.9	39.6	2.8	0.0
Cycle Q Clear(g_c), s	23.8	12.3	12.5				0.0	0.0	2.9	39.6	2.8	0.0
Prop In Lane	1.00		0.16				0.00		0.60	1.00		0.00
Lane Grp Cap(c), veh/h	390	389	395				0	0	508	1146	620	0
V/C Ratio(X)	0.86	0.49	0.50				0.00	0.00	0.10	0.94	0.09	0.00
Avail Cap(c_a), veh/h	539	538	546				0	0	508	1191	645	0
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.09	0.09	0.09				0.00	0.00	1.00	0.58	0.58	0.00
Uniform Delay (d), s/veh	48.8	44.4	44.4				0.0	0.0	32.4	42.1	29.9	0.0
Incr Delay (d2), s/veh	1.1	0.1	0.1				0.0	0.0	0.1	10.5	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.8	6.0	6.2				0.0	0.0	1.4	20.4	1.5	0.0
LnGrp Delay(d),s/veh	49.9	44.5	44.5				0.0	0.0	32.5	52.6	30.0	0.0
LnGrp LOS	D	D	D						C	D	C	
Approach Vol, veh/h		726						52			1137	
Approach Delay, s/veh		47.0						32.5			51.5	
Approach LOS		D						C			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4		6		
Phs Duration (G+Y+Rc), s		44.1		38.1		47.8		
Change Period (Y+Rc), s		4.5		9.5		4.5		
Max Green Setting (Gmax), s		27.0		39.5		45.0		
Max Q Clear Time (g_c+I1), s		4.9		25.8		41.6		
Green Ext Time (p_c), s		0.2		2.8		1.7		

Intersection Summary	
HCM 2010 Ctrl Delay	49.3
HCM 2010 LOS	D



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Volume (veh/h)	0	375	670	565	0	0
Future Volume (veh/h)	0	375	670	565	0	0
Number	3	18	2	12		
Initial Q (Qb), veh	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		0.98		
Parking Bus, Adj	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900		
Adj Flow Rate, veh/h	0	237	705	163		
Adj No. of Lanes	1	1	2	0		
Peak Hour Factor	0.95	0.95	0.95	0.95		
Percent Heavy Veh, %	2	2	2	2		
Cap, veh/h	0	0	1492	345		
Arrive On Green	0.00	0.00	0.52	0.52		
Sat Flow, veh/h	0		2937	657		
Grp Volume(v), veh/h	0.0		439	429		
Grp Sat Flow(s),veh/h/ln			1770	1732		
Q Serve(g_s), s			3.1	3.1		
Cycle Q Clear(g_c), s			3.1	3.1		
Prop In Lane				0.38		
Lane Grp Cap(c), veh/h			928	909		
V/C Ratio(X)			0.47	0.47		
Avail Cap(c_a), veh/h			2028	1984		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			3.0	3.0		
Incr Delay (d2), s/veh			0.4	0.4		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			1.6	1.5		
LnGrp Delay(d),s/veh			3.4	3.4		
LnGrp LOS			A	A		
Approach Vol, veh/h			868			
Approach Delay, s/veh			3.4			
Approach LOS			A			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		20.0						
Change Period (Y+Rc), s		9.5						
Max Green Setting (Gmax), s		22.9						
Max Q Clear Time (g_c+I1), s		5.1						
Green Ext Time (p_c), s		5.2						

Intersection Summary	
HCM 2010 Ctrl Delay	3.4
HCM 2010 LOS	A

Midday Peak Hour

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	10	1205	175	195	650	35	195	20	155	10	5	5
Future Volume (veh/h)	10	1205	175	195	650	35	195	20	155	10	5	5
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	0.98		0.97	0.99		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	10	1230	153	199	663	36	199	20	158	10	5	0
Adj No. of Lanes	1	3	0	1	2	0	0	1	1	0	1	0
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	17	1851	230	216	1763	96	330	26	340	112	45	0
Arrive On Green	0.01	0.41	0.41	0.12	0.52	0.52	0.22	0.22	0.22	0.22	0.22	0.00
Sat Flow, veh/h	1774	4566	568	1774	3406	185	1186	119	1540	236	202	0
Grp Volume(v), veh/h	10	913	470	199	344	355	219	0	158	15	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1743	1774	1770	1821	1306	0	1540	439	0	0
Q Serve(g_s), s	0.6	21.9	21.9	11.1	11.6	11.7	0.0	0.0	8.9	0.2	0.0	0.0
Cycle Q Clear(g_c), s	0.6	21.9	21.9	11.1	11.6	11.7	16.3	0.0	8.9	16.4	0.0	0.0
Prop In Lane	1.00		0.33	1.00		0.10	0.91		1.00	0.67		0.00
Lane Grp Cap(c), veh/h	17	1374	707	216	916	943	357	0	340	157	0	0
V/C Ratio(X)	0.58	0.66	0.66	0.92	0.38	0.38	0.61	0.00	0.47	0.10	0.00	0.00
Avail Cap(c_a), veh/h	71	1374	707	216	916	943	540	0	539	331	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	49.3	24.2	24.2	43.4	14.4	14.4	36.7	0.0	33.8	31.8	0.0	0.0
Incr Delay (d2), s/veh	11.0	2.6	4.9	39.0	1.2	1.1	0.9	0.0	0.5	0.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	10.8	11.5	7.8	5.9	6.1	5.8	0.0	3.8	0.3	0.0	0.0
LnGrp Delay(d),s/veh	60.3	26.7	29.1	82.4	15.6	15.6	37.6	0.0	34.4	31.9	0.0	0.0
LnGrp LOS	E	C	C	F	B	B	D		C	C		
Approach Vol, veh/h		1393			898			377			15	
Approach Delay, s/veh		27.8			30.4			36.3			31.9	
Approach LOS		C			C			D			C	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	16.6	51.4		32.0	5.4	62.7		32.0
Change Period (Y+Rc), s	4.4	* 11		* 9.9	4.4	* 11		* 9.9
Max Green Setting (Gmax), s	12.2	* 28		* 35	4.0	* 36		* 35
Max Q Clear Time (g_c+I1), s	13.1	23.9		18.4	2.6	13.7		18.3
Green Ext Time (p_c), s	0.0	2.5		0.0	0.0	5.1		1.2

Intersection Summary	
HCM 2010 Ctrl Delay	29.9
HCM 2010 LOS	C

Notes



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	0	0	390	430	0	670
Future Volume (veh/h)	0	0	390	430	0	670
Number			2	12	7	14
Initial Q (Qb), veh			0	0	0	0
Ped-Bike Adj(A_pbT)				0.95	1.00	1.00
Parking Bus, Adj			1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln			1863	1863	1863	1863
Adj Flow Rate, veh/h			411	337	0	610
Adj No. of Lanes			2	1	1	2
Peak Hour Factor			0.95	0.95	0.95	0.95
Percent Heavy Veh, %			2	2	2	2
Cap, veh/h			1064	450	0	0
Arrive On Green			0.30	0.30	0.00	0.00
Sat Flow, veh/h			3632	1498	0	
Grp Volume(v), veh/h			411	337	0.0	
Grp Sat Flow(s),veh/h/ln			1770	1498		
Q Serve(g_s), s			6.0	13.2		
Cycle Q Clear(g_c), s			6.0	13.2		
Prop In Lane				1.00		
Lane Grp Cap(c), veh/h			1064	450		
V/C Ratio(X)			0.39	0.75		
Avail Cap(c_a), veh/h			1530	648		
HCM Platoon Ratio			1.00	1.00		
Upstream Filter(I)			1.00	1.00		
Uniform Delay (d), s/veh			18.0	20.5		
Incr Delay (d2), s/veh			0.3	3.7		
Initial Q Delay(d3),s/veh			0.0	0.0		
%ile BackOfQ(50%),veh/ln			3.0	5.9		
LnGrp Delay(d),s/veh			18.3	24.3		
LnGrp LOS			B	C		
Approach Vol, veh/h			748			
Approach Delay, s/veh			21.0			
Approach LOS			C			

Timer	1	2	3	4	5	6	7	8
Assigned Phs		2						
Phs Duration (G+Y+Rc), s		29.4						
Change Period (Y+Rc), s		* 9.9						
Max Green Setting (Gmax), s		* 28						
Max Q Clear Time (g_c+I1), s		15.2						
Green Ext Time (p_c), s		4.3						

Intersection Summary	
HCM 2010 Ctrl Delay	21.0
HCM 2010 LOS	C

Notes

Appendix M
HCS Analysis Worksheets
Two Lane Via Las Cumbres Alternative

AM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2641*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*58959*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2641*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1397*	pc/h/ln
S	*69.5*	mph
D = v_p / S	*20.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4201*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*95472*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4201*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1481*	pc/h/ln
S	*69.1*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6113*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*134062*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6113*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2177*	pc/h/ln
S	*58.9*	mph
D = v_p / S	*36.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Morena Boulevard to Taylor St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7920*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173695*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7920*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2115*	pc/h/ln
S	*60.3*	mph
D = v_p / S	*35.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Taylor Street to Hotel Circle*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7083*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*155334*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7083*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1892*	pc/h/ln
S	*64.4*	mph
D = v_p / S	*29.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7640*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*167544*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7640*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1633*	pc/h/ln
S	*64.2*	mph
D = v_p / S	*25.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*SR-163 to Mission Center Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6593*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*144575*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6593*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1761*	pc/h/ln
S	*66.3*	mph
D = v_p / S	*26.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8501*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*186434*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8501*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2271*	pc/h/ln
S	*54.2*	mph
D = v_p / S	*41.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Qualcomm Way/TX St to I-805*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6005*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*131680*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6005*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1604*	pc/h/ln
S	*64.4*	mph
D = v_p / S	*24.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8991*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*197179*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8991*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1921*	pc/h/ln
S	*64.0*	mph
D = v_p / S	*30.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7410*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*156989*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*7410*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1989*	pc/h/ln
S	*62.8*	mph
D = v_p / S	*31.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9353*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*216509*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9353*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1999*	pc/h/ln
S	*62.6*	mph
D = v_p / S	*31.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10560*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244441*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*10560*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2835*	pc/h/ln
S	*39.0*	mph
D = v_p / S	*72.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10963*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*213700*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10963*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2354*	pc/h/ln
S	*54.6*	mph
D = v_p / S	*43.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7071*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173308*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7071*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2531*	pc/h/ln
S	*49.4*	mph
D = v_p / S	*51.2*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 10-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7579*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*185750*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7579*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.81*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2699*	pc/h/ln
S	*43.9*	mph
D = v_p / S	*61.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*6th Avenue to Washington St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6290*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*154156*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6290*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.72*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.5*	mph
FFS	*67.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2240*	pc/h/ln
S	*57.5*	mph
D = v_p / S	*39.0*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Mesa Col Dr to Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13646*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*243675*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*13646*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2973*	pc/h/ln
S	*33.5*	mph
D = v_p / S	*88.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10411*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*231362*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*10411*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2269*	pc/h/ln
S	*56.7*	mph
D = v_p / S	*40.0*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10251*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*227810*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*10251*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2792*	pc/h/ln
S	*40.6*	mph
D = v_p / S	*68.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8958*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*199071*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*8958*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2440*	pc/h/ln
S	*52.2*	mph
D = v_p / S	*46.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11645*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242605*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*11645*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3141*	pc/h/ln
S	*26.3*	mph
D = v_p / S	*119.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9876*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242055*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9876*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2100*	pc/h/ln
S	*60.6*	mph
D = v_p / S	*34.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8762*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*214756*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8762*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2329*	pc/h/ln
S	*55.2*	mph
D = v_p / S	*42.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8362*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*204959*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8362*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2223*	pc/h/ln
S	*57.9*	mph
D = v_p / S	*38.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2891*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*73742*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2891*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1529*	pc/h/ln
S	*68.7*	mph
D = v_p / S	*22.2*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4449*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*115562*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4449*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1569*	pc/h/ln
S	*68.4*	mph
D = v_p / S	*22.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7082*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*177493*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7082*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1892*	pc/h/ln
S	*64.4*	mph
D = v_p / S	*29.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9176*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*229965*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9176*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1961*	pc/h/ln
S	*63.3*	mph
D = v_p / S	*31.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8206*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205656*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8206*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2192*	pc/h/ln
S	*58.6*	mph
D = v_p / S	*37.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8851*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*221821*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8851*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1891*	pc/h/ln
S	*61.6*	mph
D = v_p / S	*30.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*SR-163 to Mission Center Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7637*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*191411*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7637*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2040*	pc/h/ln
S	*59.2*	mph
D = v_p / S	*34.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9849*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*246831*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9849*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2631*	pc/h/ln
S	*43.5*	mph
D = v_p / S	*60.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Qualcomm Way/TX St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6956*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174339*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6956*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1858*	pc/h/ln
S	*62.0*	mph
D = v_p / S	*30.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10416*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*261057*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10416*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2226*	pc/h/ln
S	*57.8*	mph
D = v_p / S	*38.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9423*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228165*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*9423*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2023*	pc/h/ln
S	*62.1*	mph
D = v_p / S	*32.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6972*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*184434*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*6972*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1490*	pc/h/ln
S	*69.0*	mph
D = v_p / S	*21.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7871*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208228*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*7871*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1690*	pc/h/ln
S	*67.2*	mph
D = v_p / S	*25.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7342*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*161015*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7342*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1971*	pc/h/ln
S	*63.1*	mph
D = v_p / S	*31.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7330*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*179661*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7330*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1574*	pc/h/ln
S	*68.4*	mph
D = v_p / S	*23.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 10-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7856*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*192560*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7856*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.48*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.9*	mph
FFS	*68.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2098*	pc/h/ln
S	*60.6*	mph
D = v_p / S	*34.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6520*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*159807*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6520*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.36*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3483*	pc/h/ln
S	*9.5*	mph
D = v_p / S	*365.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Mesa Col Dr to Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5865*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*104731*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*5865*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1278*	pc/h/ln
S	*69.9*	mph
D = v_p / S	*18.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4726*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*78775*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4726*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1030*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*14.7*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4654*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*77565*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4654*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*845*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*12.1*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4067*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*67780*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4067*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*886*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*12.7*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7609*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*158528*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*7609*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1642*	pc/h/ln
S	*67.7*	mph
D = v_p / S	*24.2*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10474*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*256719*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10474*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2227*	pc/h/ln
S	*55.3*	mph
D = v_p / S	*40.3*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9293*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*227766*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9293*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1976*	pc/h/ln
S	*63.0*	mph
D = v_p / S	*31.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8869*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*217376*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8869*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1886*	pc/h/ln
S	*64.5*	mph
D = v_p / S	*29.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
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LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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PM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3304*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*73742*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*3304*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1748*	pc/h/ln
S	*66.5*	mph
D = v_p / S	*26.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5085*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*115562*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*5085*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1793*	pc/h/ln
S	*65.9*	mph
D = v_p / S	*27.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8094*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*177493*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8094*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2883*	pc/h/ln
S	*37.1*	mph
D = v_p / S	*77.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Morena Boulevard to Taylor St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10486*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*229965*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10486*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2801*	pc/h/ln
S	*40.3*	mph
D = v_p / S	*69.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9378*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205656*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9378*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2505*	pc/h/ln
S	*50.2*	mph
D = v_p / S	*49.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10115*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*221821*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10115*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2161*	pc/h/ln
S	*56.8*	mph
D = v_p / S	*38.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*SR-163 to Mission Center Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8728*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*191411*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8728*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2331*	pc/h/ln
S	*55.2*	mph
D = v_p / S	*42.3*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11255*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*246831*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11255*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3006*	pc/h/ln
S	*28.4*	mph
D = v_p / S	*105.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Qualcomm Way/Texas St to I-805*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7950*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174339*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7950*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2123*	pc/h/ln
S	*57.6*	mph
D = v_p / S	*36.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11904*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*261057*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11904*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2544*	pc/h/ln
S	*49.0*	mph
D = v_p / S	*51.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10769*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228165*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*10769*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2891*	pc/h/ln
S	*36.8*	mph
D = v_p / S	*78.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7968*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*184434*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*7968*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1703*	pc/h/ln
S	*67.1*	mph
D = v_p / S	*25.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8995*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*208228*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*8995*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2414*	pc/h/ln
S	*52.9*	mph
D = v_p / S	*45.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8260*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*161015*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8260*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1774*	pc/h/ln
S	*66.2*	mph
D = v_p / S	*26.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7330*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*179661*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7330*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2623*	pc/h/ln
S	*46.5*	mph
D = v_p / S	*56.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7856*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*192560*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7856*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.60*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2798*	pc/h/ln
S	*40.4*	mph
D = v_p / S	*69.3*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6520*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*159807*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6520*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.40*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2322*	pc/h/ln
S	*55.4*	mph
D = v_p / S	*41.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5865*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*104731*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*5865*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1278*	pc/h/ln
S	*69.9*	mph
D = v_p / S	*18.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3545*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*78775*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3545*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*772*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*11.0*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3490*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*77565*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3490*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*951*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*13.6*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3050*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*67780*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3050*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*831*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*11.9*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7609*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*158528*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*7609*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2052*	pc/h/ln
S	*61.6*	mph
D = v_p / S	*33.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10474*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*256719*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10474*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2227*	pc/h/ln
S	*57.8*	mph
D = v_p / S	*38.6*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9293*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*227766*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9293*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2470*	pc/h/ln
S	*51.3*	mph
D = v_p / S	*48.2*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8869*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*217376*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8869*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2357*	pc/h/ln
S	*54.5*	mph
D = v_p / S	*43.3*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2311*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*58959*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2311*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1222*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*17.5*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3676*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*95472*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*3676*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1296*	pc/h/ln
S	*69.9*	mph
D = v_p / S	*18.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5349*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*134062*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5349*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1429*	pc/h/ln
S	*69.4*	mph
D = v_p / S	*20.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Morena Boulevard to Taylor St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6930*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173695*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6930*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1481*	pc/h/ln
S	*69.1*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6198*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*155334*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6198*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1656*	pc/h/ln
S	*67.6*	mph
D = v_p / S	*24.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6685*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*167544*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6685*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1428*	pc/h/ln
S	*65.0*	mph
D = v_p / S	*22.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*SR-163 to Mission Center Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5769*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*144575*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5769*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1541*	pc/h/ln
S	*64.7*	mph
D = v_p / S	*23.8*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7439*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*186434*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7439*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1987*	pc/h/ln
S	*60.1*	mph
D = v_p / S	*33.1*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 10-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Qualcomm Way/Texas St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5254*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*131680*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5254*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1403*	pc/h/ln
S	*65.0*	mph
D = v_p / S	*21.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7867*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*197179*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7867*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1681*	pc/h/ln
S	*67.3*	mph
D = v_p / S	*25.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6484*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*156989*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*6484*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1392*	pc/h/ln
S	*69.6*	mph
D = v_p / S	*20.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8184*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*216509*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*8184*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1749*	pc/h/ln
S	*66.5*	mph
D = v_p / S	*26.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 10-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9240*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244441*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9240*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1984*	pc/h/ln
S	*62.9*	mph
D = v_p / S	*31.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9745*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*213700*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9745*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2616*	pc/h/ln
S	*46.7*	mph
D = v_p / S	*56.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7071*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173308*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7071*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1518*	pc/h/ln
S	*68.8*	mph
D = v_p / S	*22.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7579*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*185750*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7579*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2024*	pc/h/ln
S	*62.1*	mph
D = v_p / S	*32.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6290*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*154156*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6290*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3360*	pc/h/ln
S	*15.9*	mph
D = v_p / S	*211.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13646*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*243675*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*13646*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2973*	pc/h/ln
S	*33.5*	mph
D = v_p / S	*88.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13882*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*231362*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*13882*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3025*	pc/h/ln
S	*31.4*	mph
D = v_p / S	*96.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13669*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*227810*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*13669*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2482*	pc/h/ln
S	*50.9*	mph
D = v_p / S	*48.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11944*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*199071*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*11944*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2603*	pc/h/ln
S	*47.2*	mph
D = v_p / S	*55.2*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11645*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242605*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*11645*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2513*	pc/h/ln
S	*50.0*	mph
D = v_p / S	*50.3*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9876*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242055*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9876*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2100*	pc/h/ln
S	*58.1*	mph
D = v_p / S	*36.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8762*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*214756*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8762*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1863*	pc/h/ln
S	*64.9*	mph
D = v_p / S	*28.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 6*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8362*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*204959*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8362*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1778*	pc/h/ln
S	*66.1*	mph
D = v_p / S	*26.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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Appendix N
Peak Hour Intersection Worksheets
Mitigated Two Lane Via Las Cumbres Alternative

PM Peak Hour

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	1545	270	220	875	30	185	20	195	10	10	10
Future Volume (veh/h)	20	1545	270	220	875	30	185	20	195	10	10	10
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.96	1.00		0.98	1.00		0.98
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1900	1863	1863	1900	1863	1900
Adj Flow Rate, veh/h	21	1626	231	232	921	32	195	21	131	11	11	6
Adj No. of Lanes	1	3	1	1	2	0	0	1	1	0	1	0
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	28	1789	540	268	1848	64	258	23	450	44	40	14
Arrive On Green	0.02	0.35	0.35	0.15	0.53	0.53	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	1774	5085	1535	1774	3484	121	731	79	1551	37	136	47
Grp Volume(v), veh/h	21	1626	231	232	468	485	216	0	131	28	0	0
Grp Sat Flow(s),veh/h/ln	1774	1695	1535	1774	1770	1835	810	0	1551	220	0	0
Q Serve(g_s), s	1.8	45.7	17.2	19.2	25.3	25.3	0.0	0.0	9.8	0.7	0.0	0.0
Cycle Q Clear(g_c), s	1.8	45.7	17.2	19.2	25.3	25.3	40.8	0.0	9.8	41.5	0.0	0.0
Prop In Lane	1.00		1.00	1.00		0.07	0.90		1.00	0.39		0.21
Lane Grp Cap(c), veh/h	28	1789	540	268	939	974	280	0	450	97	0	0
V/C Ratio(X)	0.76	0.91	0.43	0.87	0.50	0.50	0.77	0.00	0.29	0.29	0.00	0.00
Avail Cap(c_a), veh/h	71	1868	564	268	939	974	349	0	524	169	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	73.6	46.3	37.1	62.2	22.5	22.5	52.3	0.0	41.3	43.2	0.0	0.0
Incr Delay (d2), s/veh	14.7	8.3	2.5	23.6	1.9	1.8	6.6	0.0	0.2	0.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	22.8	7.7	11.2	12.8	13.3	9.3	0.0	4.2	0.9	0.0	0.0
LnGrp Delay(d),s/veh	88.2	54.7	39.6	85.8	24.4	24.3	58.9	0.0	41.5	44.1	0.0	0.0
LnGrp LOS	F	D	D	F	C	C	E		D	D		
Approach Vol, veh/h		1878			1185			347			28	
Approach Delay, s/veh		53.2			36.4			52.3			44.1	
Approach LOS		D			D			D			D	

Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2		4	5	6		8
Phs Duration (G+Y+Rc), s	32.9	63.7		53.4	6.7	89.9		53.4
Change Period (Y+Rc), s	* 10	* 11		* 9.9	4.4	10.3		* 9.9
Max Green Setting (Gmax), s	* 19	* 55		* 51	6.0	68.7		* 51
Max Q Clear Time (g_c+I1), s	21.2	47.7		43.5	3.8	27.3		42.8
Green Ext Time (p_c), s	0.0	5.1		0.0	0.0	8.9		0.7

Intersection Summary	
HCM 2010 Ctrl Delay	47.2
HCM 2010 LOS	D

Notes

Appendix O
HCS Analysis Worksheets
No-Connection Alternative

AM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2640*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*58938*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2640*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1396*	pc/h/ln
S	*69.6*	mph
D = v_p / S	*20.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sports Arena Boulevard to I-5*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4190*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*95230*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4190*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1478*	pc/h/ln
S	*69.1*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-5 Interchange to Morena Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6153*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*134929*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6153*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2191*	pc/h/ln
S	*58.6*	mph
D = v_p / S	*37.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7922*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173725*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7922*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2116*	pc/h/ln
S	*60.3*	mph
D = v_p / S	*35.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Taylor Street to Hotel Circle*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7117*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*156074*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7117*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1901*	pc/h/ln
S	*64.3*	mph
D = v_p / S	*29.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7448*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*163330*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7448*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1592*	pc/h/ln
S	*64.5*	mph
D = v_p / S	*24.7*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*SR-163 to Mission Center Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6501*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*142573*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6501*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1736*	pc/h/ln
S	*66.7*	mph
D = v_p / S	*26.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mission Cntr Rd to Q Way/TX St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8471*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*185778*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8471*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2263*	pc/h/ln
S	*54.4*	mph
D = v_p / S	*41.6*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Qualcomm Way/TX St to I-805*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6018*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*131976*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6018*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1607*	pc/h/ln
S	*64.4*	mph
D = v_p / S	*25.0*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9021*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*197822*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9021*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1928*	pc/h/ln
S	*63.9*	mph
D = v_p / S	*30.2*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7422*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*157239*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*7422*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1992*	pc/h/ln
S	*62.7*	mph
D = v_p / S	*31.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9356*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*216579*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9356*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1999*	pc/h/ln
S	*62.6*	mph
D = v_p / S	*31.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10610*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*245597*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*10610*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2848*	pc/h/ln
S	*38.5*	mph
D = v_p / S	*74.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8264*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*161093*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8264*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1775*	pc/h/ln
S	*66.2*	mph
D = v_p / S	*26.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7378*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*180823*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7378*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2641*	pc/h/ln
S	*45.9*	mph
D = v_p / S	*57.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to 6th Avenue*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7924*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*194225*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7924*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.81*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2822*	pc/h/ln
S	*39.5*	mph
D = v_p / S	*71.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6586*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*161422*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6586*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.72*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.5*	mph
FFS	*67.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2346*	pc/h/ln
S	*54.8*	mph
D = v_p / S	*42.8*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mesa Col Dr to Murray Ridge Rd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13684*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244364*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*13684*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2982*	pc/h/ln
S	*33.2*	mph
D = v_p / S	*89.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10440*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*232007*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*10440*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2275*	pc/h/ln
S	*56.6*	mph
D = v_p / S	*40.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10277*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228372*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*10277*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2799*	pc/h/ln
S	*40.3*	mph
D = v_p / S	*69.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8980*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*199548*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*8980*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2446*	pc/h/ln
S	*52.0*	mph
D = v_p / S	*47.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11660*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242927*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*11660*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3145*	pc/h/ln
S	*26.1*	mph
D = v_p / S	*120.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9983*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244689*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9983*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2123*	pc/h/ln
S	*60.1*	mph
D = v_p / S	*35.3*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8787*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*215366*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8787*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2335*	pc/h/ln
S	*55.1*	mph
D = v_p / S	*42.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8378*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205345*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8378*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2227*	pc/h/ln
S	*57.8*	mph
D = v_p / S	*38.6*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sunset Cliffs to Sports Arena*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2890*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*73715*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2890*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1529*	pc/h/ln
S	*68.7*	mph
D = v_p / S	*22.2*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sports Arena Boulevard to I-5*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4438*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*115270*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*4438*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1565*	pc/h/ln
S	*68.5*	mph
D = v_p / S	*22.9*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-5 Interchange to Morena Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7128*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*178641*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7128*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1904*	pc/h/ln
S	*64.3*	mph
D = v_p / S	*29.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9177*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*230005*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9177*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1961*	pc/h/ln
S	*63.3*	mph
D = v_p / S	*31.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8245*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*206636*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8245*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.76*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2202*	pc/h/ln
S	*58.4*	mph
D = v_p / S	*37.7*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8628*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*216243*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8628*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1844*	pc/h/ln
S	*62.2*	mph
D = v_p / S	*29.6*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*SR-163 to Mission Center Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7532*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*188761*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7532*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2012*	pc/h/ln
S	*59.7*	mph
D = v_p / S	*33.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9814*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*245962*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9814*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2621*	pc/h/ln
S	*43.9*	mph
D = v_p / S	*59.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Qualcomm Way/TX St to I-805*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6972*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174731*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6972*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1862*	pc/h/ln
S	*62.0*	mph
D = v_p / S	*30.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10450*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*261908*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10450*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2233*	pc/h/ln
S	*57.6*	mph
D = v_p / S	*38.8*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9438*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228529*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*9438*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2027*	pc/h/ln
S	*62.1*	mph
D = v_p / S	*32.7*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6974*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*184493*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*6974*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1490*	pc/h/ln
S	*69.0*	mph
D = v_p / S	*21.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7908*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*209212*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*7908*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1698*	pc/h/ln
S	*67.1*	mph
D = v_p / S	*25.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9749*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*213804*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9749*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2617*	pc/h/ln
S	*46.7*	mph
D = v_p / S	*56.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7117*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174428*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7117*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1528*	pc/h/ln
S	*68.8*	mph
D = v_p / S	*22.2*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to 6th Avenue*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7644*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*187357*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7644*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.48*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.9*	mph
FFS	*68.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2042*	pc/h/ln
S	*61.8*	mph
D = v_p / S	*33.1*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6353*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*155714*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6353*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.36*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3394*	pc/h/ln
S	*14.2*	mph
D = v_p / S	*239.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mesa Col Dr to Murray Ridge Rd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5882*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*105027*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*5882*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1282*	pc/h/ln
S	*69.9*	mph
D = v_p / S	*18.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4740*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*78994*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4740*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1033*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*14.8*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4665*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*77757*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4665*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*847*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*12.1*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*4077*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*67943*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*4077*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*888*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*12.7*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7619*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*158738*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*7619*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1644*	pc/h/ln
S	*67.7*	mph
D = v_p / S	*24.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information			Site Information	
Analyst	*Chen Ryan Associates*		Highway/Direction of Travel	*I-15 SB*
Agency or Company	*Chen Ryan Associates*		From/To	*Friars Road to I-8 Interchange*
Date Performed	*2018*		Jurisdiction	*City of San Diego*
Analysis Time Period	*AM*		Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10588*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*259512*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10588*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2251*	pc/h/ln
S	*54.7*	mph
D = v_p / S	*41.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9319*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228413*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9319*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1982*	pc/h/ln
S	*62.9*	mph
D = v_p / S	*31.5*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*AM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8886*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*217785*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8886*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1889*	pc/h/ln
S	*64.5*	mph
D = v_p / S	*29.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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PM Peak Hour

BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sunset Cliffs to Sports Arena*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3302*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*73715*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*3302*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1747*	pc/h/ln
S	*66.5*	mph
D = v_p / S	*26.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Sports Arena Boulevard to I-5*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5072*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*115270*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*5072*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.28*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1789*	pc/h/ln
S	*66.0*	mph
D = v_p / S	*27.1*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-5 Interchange to Morena Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8146*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*178641*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8146*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.75*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.2*	mph
FFS	*70.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2901*	pc/h/ln
S	*36.4*	mph
D = v_p / S	*79.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Morena Boulevard to Taylor St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10488*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*230005*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10488*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2801*	pc/h/ln
S	*40.3*	mph
D = v_p / S	*69.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9423*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*206636*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9423*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2517*	pc/h/ln
S	*49.9*	mph
D = v_p / S	*50.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9861*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*216243*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*9861*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2107*	pc/h/ln
S	*57.9*	mph
D = v_p / S	*36.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*SR-163 to Mission Center Road*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8608*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*188761*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*8608*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.88*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.8*	mph
FFS	*67.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2299*	pc/h/ln
S	*56.0*	mph
D = v_p / S	*41.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Mission Cntr Rd to Q Way/TX St*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11216*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*245962*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11216*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.20*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.6*	mph
FFS	*66.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2996*	pc/h/ln
S	*28.9*	mph
D = v_p / S	*103.7*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 EB*
Agency or Company	*Chen Ryan Associates*	From/To	*Qualcomm Way/Texas St to I-805*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7968*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174731*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7968*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.94*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.0*	mph
FFS	*67.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2128*	pc/h/ln
S	*57.5*	mph
D = v_p / S	*37.0*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11943*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*261908*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*11943*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2552*	pc/h/ln
S	*48.8*	mph
D = v_p / S	*52.3*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 EB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10787*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228529*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*10787*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.26*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2895*	pc/h/ln
S	*36.7*	mph
D = v_p / S	*78.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7970*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*184493*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*7970*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1703*	pc/h/ln
S	*67.1*	mph
D = v_p / S	*25.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 NB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9038*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*209212*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9038*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2426*	pc/h/ln
S	*52.6*	mph
D = v_p / S	*46.2*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Genesee Avenue to Friars Road*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10968*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*213804*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.09*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*10968*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2355*	pc/h/ln
S	*54.5*	mph
D = v_p / S	*43.2*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7117*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*174428*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7117*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.71*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2547*	pc/h/ln
S	*49.0*	mph
D = v_p / S	*52.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*I-8 Interchange to 6th Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7644*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*187357*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7644*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.60*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2722*	pc/h/ln
S	*43.1*	mph
D = v_p / S	*63.1*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 NB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6353*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*155714*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6353*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*2.40*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2263*	pc/h/ln
S	*56.9*	mph
D = v_p / S	*39.8*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5882*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*105027*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*5882*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1282*	pc/h/ln
S	*69.9*	mph
D = v_p / S	*18.3*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 NB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3555*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*78994*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3555*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.07*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*775*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*11.1*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3499*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*77757*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3499*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.10*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.0*	mph
FFS	*69.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*953*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*13.6*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS		
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)		pc/h/ln
S		mph
D = v_p / S		pc/mi/ln
Required Number of Lanes, N		

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3057*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*67943*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.06*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*3057*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*833*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*11.9*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7619*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*158738*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*7619*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.79*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.6*	mph
FFS	*67.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2055*	pc/h/ln
S	*61.5*	mph
D = v_p / S	*33.4*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*10588*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*259512*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*10588*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2251*	pc/h/ln
S	*57.2*	mph
D = v_p / S	*39.4*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 NB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9319*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228413*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9319*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2477*	pc/h/ln
S	*51.1*	mph
D = v_p / S	*48.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 NB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8886*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*217785*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8886*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2362*	pc/h/ln
S	*54.3*	mph
D = v_p / S	*43.5*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sunset Cliffs to Sports Arena*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*2310*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*58938*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*56*		General Terrain:	*Level*
DDHV = AADT x K x D	*2310*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*1.49*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.5*	mph
FFS	*70.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1222*	pc/h/ln
S	*70.0*	mph
D = v_p / S	*17.5*	pc/mi/ln
LOS	*B*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Sports Arena Boulevard to I-5*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*3666*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*95230*	veh/day	%Trucks and Buses, P_T	*1*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*55*		General Terrain:	*Level*
DDHV = AADT x K x D	*3666*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.995*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*3*	
Total Ramp Density, TRD	*1.96*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.7*	mph
FFS	*69.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1293*	pc/h/ln
S	*69.9*	mph
D = v_p / S	*18.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-5 Interchange to Morena Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5384*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*134929*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5384*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*1.64*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*4.9*	mph
FFS	*70.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1438*	pc/h/ln
S	*69.3*	mph
D = v_p / S	*20.7*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Morena Boulevard to Taylor St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6932*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*173725*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6932*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.51*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1481*	pc/h/ln
S	*69.1*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Taylor Street to Hotel Circle*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6227*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*156074*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6227*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.67*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.3*	mph
FFS	*68.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1663*	pc/h/ln
S	*67.5*	mph
D = v_p / S	*24.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Hotel Circle to SR-163*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6517*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*163330*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*6517*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.93*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.9*	mph
FFS	*67.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1393*	pc/h/ln
S	*65.0*	mph
D = v_p / S	*21.4*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*SR-163 to Mission Center Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5689*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*142573*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5689*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.03*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1520*	pc/h/ln
S	*64.8*	mph
D = v_p / S	*23.5*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*Mission Cntr Rd to Q Way/TX St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7413*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*185778*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7413*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.2*	mph
FFS	*67.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1980*	pc/h/ln
S	*60.2*	mph
D = v_p / S	*32.9*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-8 WB*
Agency or Company	*Chen Ryan Associates*	From/To	*Qualcomm Way/Texas St to I-805*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*5266*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*131976*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*5266*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*3.09*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.3*	mph
FFS	*67.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1407*	pc/h/ln
S	*65.0*	mph
D = v_p / S	*21.6*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-805 to I-15*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7893*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*197822*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7893*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.62*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1687*	pc/h/ln
S	*67.2*	mph
D = v_p / S	*25.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-8 WB*
From/To	*I-15 to Fairmount Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6494*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*157239*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*59*		General Terrain:	*Level*
DDHV = AADT x K x D	*6494*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.41*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.7*	mph
FFS	*68.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1395*	pc/h/ln
S	*69.6*	mph
D = v_p / S	*20.1*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*Seaworld Dr/Tecolote Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8187*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*216579*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*8187*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.37*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.6*	mph
FFS	*68.8*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1749*	pc/h/ln
S	*66.5*	mph
D = v_p / S	*26.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-5 SB*
From/To	*I-8 to Old Town Avenue*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9284*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*245597*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.07*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*54*		General Terrain:	*Level*
DDHV = AADT x K x D	*9284*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.84*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.7*	mph
FFS	*67.7*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1994*	pc/h/ln
S	*62.7*	mph
D = v_p / S	*31.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Genesee Avenue to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7346*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*161093*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*57*		General Terrain:	*Level*
DDHV = AADT x K x D	*7346*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.69*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.4*	mph
FFS	*68.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1972*	pc/h/ln
S	*63.1*	mph
D = v_p / S	*31.3*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7378*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*180823*	veh/day	%Trucks and Buses, P_T	*4*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7378*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.980*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.56*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.1*	mph
FFS	*68.3*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1584*	pc/h/ln
S	*68.3*	mph
D = v_p / S	*23.2*	pc/mi/ln
LOS	*C*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*SR-163 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to 6th Avenue*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*7924*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*194225*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*7924*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*4*	
Total Ramp Density, TRD	*2.29*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.5*	mph
FFS	*68.9*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2117*	pc/h/ln
S	*60.2*	mph
D = v_p / S	*35.1*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*SR-163 SB*
From/To	*6th Avenue to Washington St*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*6586*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*161422*	veh/day	%Trucks and Buses, P_T	*3*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*6586*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.985*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*2*	
Total Ramp Density, TRD	*2.06*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*5.9*	mph
FFS	*69.5*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3518*	pc/h/ln
S	*7.7*	mph
D = v_p / S	*458.6*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Mesa Col Dr/Murray Ridge Rd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13684*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244364*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*70*		General Terrain:	*Level*
DDHV = AADT x K x D	*13684*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.45*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2982*	pc/h/ln
S	*33.2*	mph
D = v_p / S	*89.9*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*Murray Ridge Rd to I-8*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13920*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*232007*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*13920*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.21*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.3*	mph
FFS	*69.1*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*3033*	pc/h/ln
S	*31.0*	mph
D = v_p / S	*97.8*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-805 SB*
From/To	*I-8 Interchange to Adams Ave*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*13702*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*228372*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*13702*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*6*	
Total Ramp Density, TRD	*2.25*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.4*	mph
FFS	*69.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2488*	pc/h/ln
S	*50.8*	mph
D = v_p / S	*49.0*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-805 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*Adams Avenue to El Cajon Blvd*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11973*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*199548*	veh/day	%Trucks and Buses, P_T	*7*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*75*		General Terrain:	*Level*
DDHV = AADT x K x D	*11973*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.966*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.44*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*6.8*	mph
FFS	*68.6*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2609*	pc/h/ln
S	*47.0*	mph
D = v_p / S	*55.5*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
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LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Aero Drive to Friars Road*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*11660*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*242927*	veh/day	%Trucks and Buses, P_T	*5*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*60*		General Terrain:	*Level*
DDHV = AADT x K x D	*11660*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.976*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.52*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2516*	pc/h/ln
S	*49.9*	mph
D = v_p / S	*50.4*	pc/mi/ln
LOS	*F*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Friars Road to I-8 Interchange*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*9983*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*244689*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*9983*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*3.14*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*8.4*	mph
FFS	*67.0*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*2123*	pc/h/ln
S	*57.6*	mph
D = v_p / S	*36.9*	pc/mi/ln
LOS	*E*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information		Site Information	
Analyst	*Chen Ryan Associates*	Highway/Direction of Travel	*I-15 SB*
Agency or Company	*Chen Ryan Associates*	From/To	*I-8 Interchange to Adams Ave*
Date Performed	*2018*	Jurisdiction	*City of San Diego*
Analysis Time Period	*PM*	Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8787*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*215366*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8787*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.53*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.0*	mph
FFS	*68.4*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1868*	pc/h/ln
S	*64.8*	mph
D = v_p / S	*28.8*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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BASIC FREEWAY SEGMENTS WORKSHEET

General Information

Analyst	*Chen Ryan Associates*
Agency or Company	*Chen Ryan Associates*
Date Performed	*2018*
Analysis Time Period	*PM*

Site Information

Highway/Direction of Travel	*I-15 SB*
From/To	*Adams Avenue to El Cajon Blvd*
Jurisdiction	*City of San Diego*
Analysis Year	*2050*

Project Description *Alternative 4*

☑ Oper.(LOS) ☐ Des.(N) ☑ Planning Data

Flow Inputs

Volume, V	*8378*	veh/h	Peak-Hour Factor, PHF	*0.95*
AADT	*205345*	veh/day	%Trucks and Buses, P_T	*2*
Peak-Hr Prop. of AADT, K	*0.08*		%RVs, P_R	*0*
Peak-Hr Direction Prop, D	*51*		General Terrain:	*Level*
DDHV = AADT x K x D	*8378*	veh/h	Grade % Length Up/Down %	*mi*

Calculate Flow Adjustments

f_p	*1.00*	E_R	*1.2*
E_T	*1.5*	$f_{HV} = 1/[1+P_T(E_T - 1) + P_R(E_R - 1)]$	*0.990*

Speed Inputs

Lane Width	*12.0*	ft
Rt-Side Lat. Clearance	*6.0*	ft
Number of Lanes, N	*5*	
Total Ramp Density, TRD	*2.59*	ramps/mi
FFS (measured)		mph
Base free-flow Speed, BFFS	*75.4*	mph

Calc Speed Adj and FFS

f_{LW}	*0.0*	mph
f_{LC}	*0.0*	mph
TRD Adjustment	*7.2*	mph
FFS	*68.2*	mph

LOS and Performance Measures

Operational (LOS)

v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	*1781*	pc/h/ln
S	*66.1*	mph
D = v_p / S	*27.0*	pc/mi/ln
LOS	*D*	

Design (N)

Design (N)

Design LOS	
v_p = (V or DDHV) / (PHF x N x f_{HV} x f_p)	pc/h/ln
S	mph
D = v_p / S	pc/mi/ln
Required Number of Lanes, N	

Glossary

N - Number of lanes	S - Speed
V - Hourly volume	D - Density
v_p - Flow rate	FFS - Free-flow speed
LOS - Level of service	BFFS - Base free-flow speed
DDHV - Directional design hour volume	

Factor Location

E_R - Exhibits 11-10, 11-12	f_{LW} - Exhibit 11-8
E_T - Exhibits 11-10, 11-11, 11-13	f_{LC} - Exhibit 11-9
f_p - Page 11-18	TRD - Page 11-11
LOS, S, FFS, v_p - Exhibits 11-2, 11-3	

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Appendix E: Desktop Geotechnical and Geologic Hazard Evaluation

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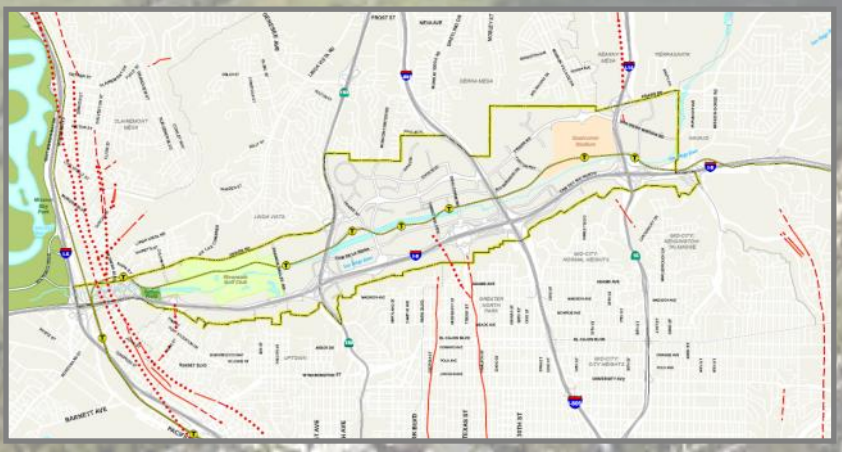
Revised Desktop Geotechnical and Geologic Hazard Evaluation Mission Valley Community Plan Update San Diego, California

PREPARED FOR:

Mr. Rajeev Bhaatia
Dyett & Bhatia Urban and Regional Planners
755 Sansome Street
San Francisco, California 94111

PREPARED BY:

The Bodhi Group Inc.



Revised January 2019
Project No. 9091004

January 8, 2019
Project No. 9091004

Mr. Rajeev Bhatia
Partner
Dyett & Bhatia Urban and Regional Planners
755 Sansome Street, Suite 400.
San Francisco, California 94111

Subject: Revised Desktop Geotechnical and Geologic Hazard Evaluation
Mission Valley Community Plan Update
San Diego, California

Dear Mr. Bhatia,

We are pleased to submit our Geotechnical and Geologic Hazard Study report. The report was prepared in support of the Mission Valley Community Plan Update and includes identification of geotechnical and geologic hazards within the Study Area and the significance of these hazards to existing and future land uses of the Study Area. Our original report prepared in July 2017, has been revised herein to include review of the most recent Mission Valley Community Plan Update and to incorporate comments from the City of San Diego.

Respectfully submitted,

THE BODHI GROUP, INC.

REGISTERED GEOLOGIST
W. LEE VANDERHURST
No. 1125
CERTIFIED ENGINEERING GEOLOGIST
STATE OF CALIFORNIA

Lee Vanderhurst, P.G.
Senior Geologist

Sree Gopinath
Principal Engineer

Distribution: 1) Addressee

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EXECUTIVE SUMMARY

This Geotechnical and Geologic Hazard Evaluation (Study) identifies geotechnical and geologic hazards that could have potential adverse effects on the area of the Mission Valley Community Plan Update (Study Area). For this study, we reviewed relevant geologic maps and guidelines published by the City of San Diego Guidelines, State of California, and the United States Geologic Survey. In-house resources were also reviewed. A summary of the geology and geologic hazards is provided below.

- In increasing order of age, soils in the Study Area consist of artificial fill (both documented and undocumented), young alluvium, young colluvium, old alluvium, Old paralic deposits (Unit 6), and formational soils of the San Diego and Mission Valley Formations, Stadium Conglomerate, and the Friars and Scripps Formations. Undocumented fill, young alluvium, and young colluvium are not considered suitable in their current state for support of improvements. To mitigate the potential for future settlement, these soils may need to be removed and replaced as compacted fill, if future structures are planned in these areas. The formational materials contain layers of cemented gravel and cobbles which may be difficult to excavate and may impact trenching operations.
- The closest known active fault is the Rose Canyon Fault, strands of which are located within and near the western end of the Study Area. The Study Area, like the rest of San Diego, is in a region of active faults and will be subject to strong ground motion in the event of an earthquake on these faults. Surface rupture caused by faulting can be mitigated by setting back structures for human occupancy away from the surface trace of clearly-defined active fault traces. Adverse effects of ground shaking can be mitigated through ground improvement and/or the use of proper engineering design.
- According to City of San Diego maps, most of the lower elevation portions of the Study Area (areas close to San Diego River) are defined as having a high potential for liquefaction (Geologic Hazard Category 31). Mitigation may include removal of loose soils and replacement with compacted fill, supporting structures on deep foundations which extend through the liquefiable materials, or suitable ground improvement techniques such as stone columns or deep dynamic compaction.
- Landslide hazards are mapped both by the State of California and the City of San Diego. The State of California and City of San Diego use differing systems to indicate the severity of the landslide hazard and the categories used by the two systems are not coincident. According to the State of California (Tan, 1995), most the Study Area is classified as being marginally susceptible to landsliding (Designation 2). Some portions of the Study Area are classified as being generally susceptible or most susceptible to landsliding (Designations 3-1, 3-2, 4-1 and 4-2). These generally susceptible or most susceptible areas occur on the slopes on both the north and south sides of Mission Valley. Per Tan (1995) a mapped landslide occurs on the southern slope of the valley on a side canyon just west of Texas Street (Figure 3). Per Tan and Kennedy (2008) a landslide is mapped south of the western end of the study area on the slopes south of Mission Valley (Figure 3). According to the City of San Diego Seismic Safety Study most sloping portions of the Study Area are mapped as being at low to moderate risk for landsliding (Hazard Categories 51, 52, and 53). Some areas (dominantly on the eastern side of the Study Area) are mapped as being underlain by the potentially slide-prone Friars Formation. Mitigating this designation though these areas of the Friars Formation lie in zones with neutral or favorable geologic structure (Geologic Hazard Category 23). Mitigation of landslides can be accomplished through avoidance, removal of the deposits, or geotechnical and/or structural engineering.

- Most the Study Area consists of soils that are not expansive in nature. But some expansive, clayey soils may be found in areas underlain by the Friars Formation and in areas underlain by soils of the Olivenhain and Huerhuero Soil Series (UC Davis, 2017). In areas of potential expansive soils, measures including capping or replacement, special grading techniques, or chemical treatment of expansive soils can mitigate these problems for new construction.
- Most the Study Area consists of soils that are not anticipated to be corrosive in nature. However, per available soil maps (UC Davis, 2017) potentially corrosive soils may be present in some localized areas underlain by former marine terrace deposits and in areas near the San Diego River. Mitigation measures may include the use of specialized concrete and consultation with a corrosion engineer.

1. INTRODUCTION

The Bodhi Group has completed a Geotechnical and Geologic Hazards Study (Study) of the Mission Valley Community Plan Update area (Study Area). The Study was performed at a California Environmental Quality Act (CEQA) level for the Study Area. This report presents the results of our "desktop" evaluation of the geotechnical and geologic hazards potentially affecting the Study Area. The purpose of our evaluation was to identify geotechnical and geologic conditions or hazards that might affect future development and/or redevelopment within the Study Area. The following services were provided.

- Reviewed the Mission Valley Community Plan Update (2018).
- Reviewed relevant published geologic maps, State of California-issued geologic hazard maps, the City of San Diego Seismic Safety Study Geologic Hazards and Faults maps, and the City of San Diego Guidelines for Geotechnical Reports
- Reviewed and summarized regional and local geology and identified potential geotechnical and geologic hazards.
- Researched and identified relevant geologic hazards listed in the "Guidelines for Geologic/Seismic Consideration in Environmental Impact Reports," California Geological Survey (California Division of Mines and Geology) Note 46 and "Guidelines for Preparing Geologic Reports for Regional-Scale Environmental and Resource Management Planning," California Geological Survey (California Division of Mines and Geology) Note 52, as amended or updated.
- Researched other City and County resources, and our in-house library of geotechnical and geological hazards such as faulting, seismicity, liquefiable soils, etc.
- Prepared this technical report that identifies geotechnical and geologic hazards. Included in this report is a map of the regional and Study Area geology showing distribution of surficial deposits and geologic units (Figure 1); a map of the faults in the Study Area vicinity (Figure 2); and a geohazards map (Figure 3) identifying areas susceptible to the potential geologic hazards described in this report.

1.1. Significant Assumptions

Documentation and data provided by the client or from the public domain, and referred to in the preparation of this study, are assumed to be complete and correct and have been used and referenced with the understanding that the Bodhi Group assumes no responsibility or liability for their accuracy. The conclusions contained herein are based upon such information and documentation. Because conditions may change, and additional data may become available, data reported, and conclusions drawn in this report are limited to current conditions and may not be relied upon on a significantly later date or if changes have occurred at the Study Area.

Reasonable CEQA-level efforts were made during the Study to identify geologic hazards. "Reasonable efforts" are limited to information gained from information readily-accessible to the public. Such methods may not identify Study Area geologic or geotechnical issues that are not listed in these sources. In the preparation of this report, the Bodhi Group has used the degree of care and skill ordinarily exercised by a reasonably prudent environmental professional in the same community and in the same time frame given the same or similar facts and circumstances. No other warranties are made to any third party, either expressed or implied.

2. PROJECT LOCATION AND DESCRIPTION

The Study Area comprises approximately 3,216 acres and is near the geographic center of the City of San Diego. It encompasses a portion of the San Diego River floodplain, it is generally bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and Interstate 5 on the west (City of San Diego, 1985).

The current Mission Valley Community Plan Update was approved in 1985 and last amended in 2013. The community is now a regional center of office, hotels, retail sales, and a growing residential population. Public transportation within the area is provided by the Metropolitan Transit System and includes buses and the San Diego Trolley Green Line. Major thoroughfares include Interstate Highway 8 and Friars Road and Camino del Rio (running east-west through the area) and Interstate Highways 805 and 15 and California Route 163 (running north-south through the area).

The current Mission Valley Community Plan provides the detailed framework to guide development in Mission Valley. Originally adopted in 1985, the plan has undergone over 20 amendments in the intervening years. According to the City of San Diego website (2017), the Community Plan update seeks to bring the plan up-to-date by: analyzing current land use, development, and environmental characteristics; evaluating changes in demographics that may affect land use needs; understanding demand for housing and commercial development; working with community members and stakeholders to determine key issues of concern, desires, and preferences to establish a vision and objectives for the plan update; evaluating the "fit" of current Community Plan policies to achieve community goals and regulatory requirements; and ensuring that policies and recommendations remain in harmony with the General Plan and citywide policies, as well as regional policies.

3. HISTORY

Throughout the history of Mission Valley, the San Diego River has been a primary attraction, first as a source of fresh water and later as a scenic recreational asset. After the Kumeyaay Indians, came the Spaniards, who first named the area La Canada de San Diego. The Spaniards founded the Mission San Diego de Alcala on Presidio Hill in 1769 (City of San Diego, 1985); however, in 1774 it was moved to its present location on San Diego Mission Road in Mission Valley.

In 1870, the name of the area was changed to Mission Valley. Truck farming, sheep herding, and bee keeping were introduced into the valley. By 1880, 20 dairies had been established in the valley. Sand and gravel extraction was introduced in 1913 and began in earnest about 1923. The Mission Valley Oil Enterprise Company unsuccessfully explored for oil at the foot of Texas Street in 1930.

Residential development was approved for Mission Valley in 1940 by local authorities. The Mission Valley Golf Club was established in 1947. In 1953-1954 the Town and Country Hotel and Mission Valley Country Club (now the Handlery Hotel) opened.

In 1958, the Planning Department issued a preliminary study for the valley favoring hotels over dense residential and commercial uses. The construction of U.S. 80 (now Interstate 8) provided an impetus for commercial development in Mission Valley, and for displacement of the agricultural economy. Other significant projects include San Diego Stadium (now Qualcomm Stadium) which was completed in 1967. Major urban development followed, primarily because of improvements in the regional highway network (City of San Diego, 1985).

4. GEOLOGY

San Diego is located within the western (coastal) portion of the Peninsular Ranges Geomorphic Province of California. The Peninsular Ranges encompass an area that roughly extends from the Transverse Ranges and the Los Angeles Basin, south to the Mexican border, and beyond another approximately 800 miles to the tip of Baja California (Norris and Webb, 1990; Harden, 1998). The geomorphic province varies in width from approximately 30 to 100 miles, most of which is characterized by northwest-trending mountain ranges separated by subparallel fault zones. In general, the Peninsular Ranges are underlain by Jurassic-age metavolcanic and metasedimentary rocks and by Cretaceous-age igneous rocks of the southern California batholith. Geologic cover over the basement rocks in the westernmost portion of the province in San Diego County generally consists of Upper Cretaceous-, Tertiary-, and Quaternary-age sedimentary rocks

Structurally, the Peninsular Ranges are traversed by several major active faults. The Elsinore, San Jacinto, and the San Andreas faults are major active fault systems located northeast of San Diego and the Rose Canyon, San Diego Trough, Coronado Bank and San Clemente faults are major active faults located within or west-southwest of San Diego. Major tectonic activity associated with these and other faults within this regional tectonic framework is generally right-lateral strike-slip movement. These faults, as well as other faults in the region, have the potential for generating strong ground motions in the project area. Further discussion of faulting relative to the Study Area is provided in following sections of this report.

Figure 1, modified from Kennedy and Tan (2008), shows the regional geology. Figure 2 shows the proximity of the Study Area to nearby mapped Quaternary faults. A Quaternary fault is defined by the State of California (2007) as a fault that shows evidence of movement in the last 1.6 million years. Quaternary (Holocene and Pleistocene) faults can be classified as either active or potentially active faults. Active faults are those Quaternary Holocene faults which have been shown to have ruptured in the last 11,000 years. Potentially active faults are those Quaternary Pleistocene faults which have been shown to have ruptured during the 1.6 million years but not within the last 11,000 years.

4.1. Local Geology

In increasing order of age, soils in the Study Area consist of artificial fill (both documented and undocumented), young alluvium, young colluvium, old alluvium, Old paralic deposits (Unit 6), and formational soils of the San Diego and Mission Valley Formations, Stadium Conglomerate, and the Friars and Scripps Formations. Descriptions of the general characteristics of these units are presented below.

- Af Artificial fill (late Holocene). These consist of fill deposits resulting from human construction, mining, or quarrying activities. These include both documented and undocumented and/or non-engineered fill. Large areas of Artificial Fill deposits are shown on the map but, although present, some areas of artificial fill are not large enough to be shown at the scale of the map. The mapped areas of Artificial Fill are coincident with the route of Interstate Highway I-8 and its interchanges with State Highway CA-163 and Qualcomm Way within the Study Area. A mapped Artificial Fill Area is also shown to underlie the area where Interstate Highway I-805 traverses the Study Area.
- Qya – Young alluvial flood-plain deposits (Holocene and late Pleistocene). Young alluvial flood-plain deposits are characterized as poorly consolidated, poorly sorted, permeable floodplain deposits of sandy, silty, or clay-bearing alluvium. These deposits occur along the floodplain of the San Diego River down the central axis of Mission Valley.

- Qyc – Young colluvial deposits (Holocene and late Pleistocene). These consist of young poorly consolidated and poorly sorted sand and silt slopewash deposits and are mapped throughout the Study Area (dominantly on the south side of the valley).
- Qoa – Old alluvial flood-plain deposits (late to middle Pleistocene). These are dominantly fluvial sediments deposited on canyon floors consisting of moderately well consolidated, poorly sorted, permeable, commonly slightly dissected gravel, sand, silt, and clay-bearing alluvium. Per the referenced map these deposits are present in portions of the eastern side of the valley (near Qualcomm Stadium).
- Qop6 – Old paralic deposits, Unit 6 (late to middle Pleistocene). Unit 6 of the old paralic deposits is characterized as poorly sorted, moderately permeable, reddish-brown, interfingered strandline, beach, estuarine, and colluvial deposits composed of siltstone, sandstone, and conglomerate. Per the referenced map these deposits are restricted to small areas on the north side of the Study Area.
- Tsd – San Diego Formation, undivided (early Pleistocene and late Pliocene). The San Diego Formation is characterized as predominantly yellowish-brown and gray, fine- to medium-grained, poorly indurated fossiliferous marine sandstone and reddish-brown transitional marine and non-marine pebble and cobble conglomerate, both divided and undivided. Undivided portions of the formation are exposed on the southern slopes of Mission Valley.
- Tmv – Mission Valley Formation (middle Eocene). The Mission Valley Formation is present throughout the Study Area but it is most exposed on the northern flank of Mission Valley. It consists predominantly of light olive-gray, soft and friable, fine- to medium-grained marine and non-marine sandstone containing cobble conglomerate tongues. The Mission Valley Formation has a maximum thickness of nearly 200 feet.
- Tst – Stadium Conglomerate (middle Eocene). The Stadium Conglomerate is present throughout the Mission Valley area but it most exposed on the northern flank of the valley. It consists of massive cobble conglomerate with a dark-yellowish brown, coarse-grained sandstone matrix. The conglomerate contains slightly metamorphosed volcanic and volcaniclastic rocks and quartzite. The Stadium Conglomerate is approximately 150 feet thick at its type section, located near Qualcomm Stadium (Kennedy and Tan, 2008; after Kennedy and Moore, 1971).
- Tf – Friars Formation (middle Eocene). This formation consists of yellowish-gray, medium-grained, massive, poorly indurated non-marine and lagoonal sandstone and claystone with tongues of cobble conglomerate. Within the Study Area it is exposed on the north side of Mission Valley at its eastern end.
- Tsc – Scripps Formation (middle Eocene). The Scripps Formation is present throughout the Study Area but is most exposed on the northern flank of the valley. It consists of pale-yellowish-brown, medium-grained sandstone with some interbedded cobble-conglomerate.

5. HYDROGEOLOGY

Based on a review of available hydrogeologic data from the California Regional Water Quality Control Board San Diego Region (RWQCB, 1994), the Study Area is located in the Mission San Diego Hydrologic Subarea within the Lower San Diego Hydrologic Area (907.11) of the San Diego Hydrologic Unit (907.00). The existing beneficial uses of groundwater in the Study Area include agricultural supply, industrial service supply, and industrial process supply (RWQCB, 1994). Municipal supply is identified in the basin plan as a potential beneficial use (RWQCB, 1994).

The San Diego County Water Authority has classified the Mission Valley portion of the San Diego River to be a principal alluvial aquifer (referred to as the Mission Valley Aquifer). Presently, the City of San

Diego, the local water purveyor, is not using this alluvial aquifer for municipal water supply; however, in the future the City may evaluate potential groundwater use from this aquifer. The details of future groundwater development are not known at this time. Golf courses in the Study Area are the principal users of groundwater for irrigation.

Per information available on the State of California, Department of Water Resources, Water Data Library (2017) and the Geotracker (2017) website there are few public wells located within the Study Area. However, numerous groundwater wells have been installed throughout the Study Area for environmental evaluations conducted to assess contaminated soil and groundwater. Based on that research groundwater is present at relatively shallow depths (less than 10 feet below the adjacent surface) in areas within the Study Area.

6. GEOLOGIC HAZARDS

This section identifies geologic hazards that may affect proposed policies and programs of the Mission Valley Community Plan Update and proposed land use. The proposed land uses were not available at the time of preparation of this report. These hazards include surface fault rupture; seismicity and ground motion; liquefaction; seismically-induced settlement and lateral spread; tsunamis, seiches, and dam failure; slope instability; and expansive and corrosive soils. These hazards, with the possible exception of dam failure, can be mitigated through administrative controls (e.g., avoiding building in hazard-prone areas or structure setback) and/or engineering improvements (e.g., ground improvement, ground restraints, or appropriate structure foundation). Site-specific and hazard-specific geotechnical investigations would be required to evaluate the appropriate mitigation measure or combination of measures.

The City of San Diego Seismic Safety Study summarizes the city's known and suspected geologic hazards and faults to "comply with California regulations requiring cities to adopt a Seismic Safety Element within their general plan" (City of San Diego 2008). The intent of the study was to categorize areas in the city by hazard type (shown on maps) and to assign levels of risk to development. The maps can be used to identify possible or likely types and risk of geologic hazards for a site. The Explanation for the map was updated in 2018. The Study Area encompasses all or portions of map Sheets 21, 22, 26, and 27 of the City of San Diego Seismic Safety. Identified hazards are described below.

6.1. Surface Fault Rupture

Surface fault rupture is the result of movement on an active fault reaching the surface. Figure 2 shows the Study Area in relation to nearby known active faults, of which the Rose Canyon Fault is the most significant. The Rose Canyon Fault is capable of producing a magnitude 7.2 earthquake (Cao et al, 2003). Active portions of the Rose Canyon Fault, some of which are concealed, are located within and near the western end of the Study Area. In addition, as shown on the City of San Diego Seismic Safety map sheets there are several faults noted as being "Potentially Active, Inactive, Presumed Inactive, or Activity Unknown" (Geologic Hazard Category 12; City of San Diego, 2008) that lie within the Study Area. Similar faults are also shown on the web accessible maps available from SANDAG (SANDAG, 2017). Newer fault discoveries have been plotted based on maps available online at the San Diego Association of Geologists (2018). Areas underlain by north-south trending faults in this category are located at locations on the south side of Mission Valley near Texas Street and between Mission Center Road and Interstate Highway 805; and on the north side of Mission Valley near the intersection of Interstate Highway 15 and

Friars Road. The postulated Mission Gorge fault has been mapped paralleling the axis of Mission Valley (Figure 2). The "fault" was postulated to exist due to changes in stratigraphy on either side of Mission Valley. Richard Threet (1973) showed conclusively that the apparent differences in stratigraphy were the result of a shallow southerly regional dip and the presence of the edges of depositional basins (San Diego Formation).

Although the Study Area is not within a State of California Earthquake Fault Zone (State of California, 2003) or the City of San Diego- designated "Downtown Special Fault Zone," strands of the active Rose Canyon fault underlie the western end of the Study Area. The area is currently planned for use as a passive park or open space. No construction is planned in the area underlain by the Rose Canyon fault zone. Should plans change, the City of San Diego will require site-specific fault investigations for construction of any type. The fault investigations will evaluate whether the development overlies an active fault strand capable of surface rupture and will provide recommendations to avoid the hazard or mitigate its effects.

6.2. Seismicity and Ground Motion

An active fault is defined by the State Mining and Geology Board as one that has experienced surface displacement within the Holocene epoch, i.e., during the last 11,000 years (California Geological Survey, 2007). The Study Area is subject to potential ground shaking caused by activity along faults located within and near the Study Area.

The Rose Canyon Fault can produce a magnitude 7.2 earthquake (Cao et al, 2003). Portions of the Elsinore and San Jacinto Fault zones, located east of San Diego, have the capacity to produce earthquakes at maximum magnitudes from 6.4 to 7.2 (Cao et al, 2003).

Ground shaking during an earthquake can vary depending on the overall magnitude, distance to the fault, focus of earthquake energy, and the type of geologic material underlying the area. The composition of underlying soils, even those relatively distant from faults, can intensify ground shaking. Areas that are underlain by bedrock tend to experience less ground shaking than those underlain by unconsolidated sediments such as artificial fill or unconsolidated alluvial fill.

As noted, the Study Area is subject to ground shaking hazards caused by earthquakes on regional active faults. Based on a Probabilistic Seismic Hazards Ground Motion Interpolator provided by the California Department of Conservation (2008), the Study Area is located in a zone where the horizontal peak ground acceleration having a 10 percent probability of exceedance in 50 years ranges from 0.450g (where g represents the acceleration of gravity) to 0.582g. Within the Study Area the higher value occurs at the west end and the lower value occurs at the east end.

6.3. Liquefaction, Seismically Induced Settlement, and Lateral Spread

Liquefaction is a phenomenon whereby unconsolidated and/or near-saturated soils lose cohesion as a result of severe vibratory motion. The relatively rapid loss of soil shear strength during strong earthquake shaking results in temporary, fluid-like behavior of the soil. Soil liquefaction causes ground failure that can damage roads, pipelines, underground cables, and buildings with shallow foundations. Research and historical data indicate that loose granular soils and non-plastic silts that are saturated by a relatively shallow groundwater table are susceptible to liquefaction.

Among the potential hazards related to liquefaction are seismically induced settlement and lateral spread. Seismically induced settlement is caused by the reduction of shear strength due to loss of grain-to-grain contact during liquefaction and may result in dynamic settlement on the order of several inches to several feet. Lateral spreading of the ground surface during an earthquake usually takes place along weak shear zones that have formed within a liquefiable soil layer. Lateral spreading has generally been observed to take place in the direction of a free-face (i.e., retaining wall, slope, channel, etc.) but has also been observed to a lesser extent on ground surfaces with gentle slopes. An empirical model developed by Bartlett and Youd (1995, revised 1999) is typically used to predict the amount of horizontal ground displacement within a site. For sites located in proximity to a free-face, the amount of lateral ground displacement is strongly correlated with the distance of the site from the free-face. Other factors such as earthquake magnitude, distance from the earthquake epicenter, thickness of the liquefiable layers, and the fines content and particle sizes of the liquefiable layers will also affect the amount of settlement or lateral ground displacement.

Large portions of the low-lying areas adjacent to the San Diego River lie within City of San Diego-designated liquefaction hazard zones (Geologic Hazard Map Symbol 31; City of San Diego, 2008) as shown on Figure 3. As noted, liquefiable soils can settle or spread as a result of earthquake energy.

6.4. Tsunamis, Seiches, and Dam Failure

A tsunami is a sea wave generated by a submarine earthquake, landslide, or volcanic action. Submarine earthquakes are common along the edge of the Pacific Ocean, thus exposing all Pacific coastal areas to the potential hazard of tsunamis. However, no portion of the Study Area lies within a mapped tsunami inundation zone. A seiche is an earthquake-induced wave in a confined body of water, such as a lake, reservoir, or bay. However, no portion of the Study Area lies near a confined body of water on which a seiche could be expected to occur.

An earthquake-induced dam failure can result in a severe flood event. When a dam fails, a large quantity of water is suddenly released with a great potential to cause human casualties, economic loss, lifeline disruption, and environmental damage. Based on review of the 2010 San Diego County Multi-Jurisdictional Hazard Mitigation Plan Dam Failure map, the Study Area may be subject to dam inundation as it is downstream of dams and reservoirs that were constructed on the San Diego River. These include Lake Murray, Santee Lakes, El Capitan Reservoir, and other smaller impoundments.

6.5. Slope Instability

Slopes steeper than 2:1 (horizontal:vertical) are susceptible to landslides or slope failure. Slope failure is dependent on topography and underlying geologic materials, as well as factors such as rainfall, excavation, or seismic activities that can precipitate slope instability. Earthquake motions can induce significant horizontal and vertical dynamic stresses along potential failure surfaces within a slope.

Landslide hazards are mapped both by the State of California and the City of San Diego. The State of California and City of San Diego use differing systems to indicate the severity of the landslide hazard and the categories used by the two systems are not coincident. According to the State of California (Tan, 1995), most the Study Area is classified as being marginally susceptible to landsliding (Designation 2). However, some portions of the Study Area are classified as being generally susceptible or most susceptible to landsliding (Designations 3-1, 3-2, 4-1 and 4-2). These generally susceptible or most susceptible areas occur on the slopes on both the north and south sides of Mission Valley. Per Tan (1995)

a mapped landslide occurs on the southern slope of the valley on a side canyon just west of Park Boulevard and south of Interstate 8. Per Tan and Kennedy, 2008, there is a mapped landslide at the western end of the Study Area on the southern slopes just east of Interstate Highway 5 and south of Interstate 8 (Figure 3). It should be noted that neither of these landslides are shown on the City of San Diego Seismic Safety Study maps.

According to the City of San Diego Seismic Safety Study most sloping portions of the Study Area are mapped as being at low to moderate risk for landsliding (Hazard Categories 51, 52, and 53). However, some areas (dominantly on the eastern side of the Study Area) are mapped as being underlain by the potentially slide-prone Friars Formation.

6.6. Subsidence

Subsidence typically occurs when extraction of fluids (water or oil) cause the reservoir rock to consolidate. Water extraction is minimal in the Study Area and the geologic materials area well consolidated. Subsidence is not a hazard in the Study Area.

Settlement of unconsolidated soil (fill or alluvium) may occur locally where new loads are imposed on previously uncompacted fill, compacted fill on unconsolidated alluvium, or unconsolidated alluvium.

6.7. Expansive or Corrosive Soils

Other potential geological hazards include expansive or corrosive soils. Expansion of the soil may result in unacceptable settlement or heave of structures or concrete slabs supported on grade. Changes in soil moisture content can result from precipitation, landscape irrigation, utility leakage, roof drainage, perched groundwater, drought, or other factors. Soils with a relatively high fines content (clays dominantly) are generally considered expansive or potentially expansive.

7. IMPACT MITIGATION

The impacts summarized above may be mitigated through administrative controls (e.g., avoiding building in hazard-prone areas or structural setback areas) and/or engineering improvements (e.g., ground improvement, ground restraints, remedial grading or foundation design). Site specific geotechnical investigations are required to recommend the appropriate mitigation measure(s).

7.1. Seismicity and Ground Motion

The entire Study Area will be affected by seismicity and ground motion. Mitigation can be accomplished by geotechnical and structural engineering design. Geotechnical investigations should be conducted in accordance with City of San Diego Guidelines for Geotechnical Reports and State of California requirements. Most mitigation measures will involve foundation design and or ground improvement.

7.2. Liquefaction, Seismically Induced Settlement

Predicted liquefaction will occur near the existing San Diego River Channel Mitigation can be accomplished by ground improvement and or foundation design. Geotechnical investigations should be conducted in accordance with City of San Diego Guidelines for Geotechnical Reports and State of California requirements.

7.3. Tsunamis, Seiches, and Dam Failures

A dam failure would be difficult to mitigate. Future developments may be constructed at higher elevations to avoid flooding from dam failure; however, such administrative controls would have to be consistent with proposed policies, programs, and land use in the Mission Valley Community Plan Update.

7.4. Slope Instability

Mitigation may be achieved by avoidance of development on slopes or stabilizing the slopes through grading or using specially designed foundations. Geotechnical investigations should be conducted in accordance with City of San Diego Guidelines for Geotechnical Reports with an emphasis on slope stability. Additions to existing structures or development of ancillary structures to existing development will need independent geotechnical investigations if located within 25 feet of slopes in excess of 10 feet high, and on undocumented fills. The investigations should be applied in Hazard Categories 23 and 53.

Mitigation of landslides can be accomplished through avoidance, removal of the deposits, or geotechnical and/or structural engineering. Geotechnical studies specific to a future development will evaluate the risk of slope instability and landslides and provide recommendations to avoid the risk or identify measures for slope stabilization, if such a risk is present.

7.5. Subsidence

Construction of improvements in areas underlain by young colluvium, alluvium or fill should be designed to withstand settlement of unconsolidated soil. Geotechnical investigations for design of settlement resistant structures should be conducted in accordance with City of San Diego Guidelines for Geotechnical Reports. Mitigation measures typically include ground improvement and/or foundation design.

7.6. Expansive or Corrosive Soil

Expansive soil measures include specially reinforce foundations or removal and replacement of expansive soil with less expansive material. Roadways may need heavier pavement sections. Geotechnical investigations should be conducted in accordance with City of San Diego Guidelines for Geotechnical Reports to provide appropriate recommendations. Corrosive soil should be evaluated by a Corrosion Engineer for recommendations for soil replacement or cathodic protection.

7.7. Impermeable Soil

Infiltration potential should be evaluated in accordance with City of San Diego Storm Water Standards, Part 1, 2017 Edition (City of San Diego, 2017).

7.8. Groundwater

The effects of potential groundwater on construction should be evaluated by geotechnical investigations in accordance with City of San Diego Guidelines for Geotechnical Report. Recommendations for dewatering, temporary and permanent slope stabilization, and subsurface drainage should be discussed.

8. THRESHOLDS OF SIGNIFICANCE

In accordance with Appendix G of the CEQA Guidelines, the project will have significant effect on the environment if:

G-1: Expose people to potential substantial adverse effects, including the risk of loss, injury or death involving: a) fault rupture, b) seismic shaking, c) seismic ground failure, d) landsliding.

G-2: Result in substantial soil erosion or loss of top soil.

G-3 Be located in a geologic unit or soil that is unstable (landsliding, settlement, lateral spreading) or that would become unstable as a result of the project.

G-4: Be located on expansive soil causing substantial risk to life or property.

G-5: Having soils incapable of supporting the use of septic tanks where sewers are not available

8.1. Threshold G-1 a) Fault Rupture

No significant effect. There are no active or potentially active faults in the proposed development areas shown on the Mission Valley Community Plan Update maps.

8.2. Threshold G-1 b) Strong Seismic Ground Shaking

Less than significant effect. Construction of buildings and other civil works will be required to use seismic resistant designs in accordance with California and City standards and codes. If not constructed to these standards, the impact would be significant.

8.3. Threshold G-1 c) Seismic Ground Failure

Less than significant effect. Design of buildings or other civil works in areas where liquefaction is anticipated should be analyzed by geotechnical investigations performed in accordance with City of San Diego and State of California guidelines. The effects of liquefaction and seismic ground failure can be mitigated through foundation and structural design and or through ground improvement.

8.4. Threshold G-1 d) Seismic Induced Landsliding

Less than significant effect. Planned development will be within areas previously developed. Slopes within developed areas have been constructed in accordance with City of San Diego standards and codes and are assumed to be stable under static and pseudostatic conditions.

8.5. Threshold G-2 Substantial Soil Erosion and Loss of Topsoil

Less than significant effect. The Study Area is almost fully developed with landscaping, buildings, and paving. Areas not developed are dedicated open space areas that are well covered with natural vegetation. As a result, the potential for erosion is very low. Since construction will be required to follow City of San Diego standards and code that stipulate protection against temporary and permanent erosion, the impact of erosion and loss of topsoil is less than significant.

8.6. Threshold G-3 Unstable Soil (Landslide, Settlement, Lateral Spreading)

Landslide: Less than Significant. The Mission Valley Community Plan Update (MVCPU) shows planned development only in areas previously developed and are not in landslide prone formation.

Settlement: Less than Significant. Settlement prone soil within the MVCPU consists of young colluvium, alluvium, undocumented fills, and fills placed on settlement prone soil. The impact of these settlement prone soils will occur when additions or new fills place new loads on settlement prone soil. Geotechnical reports performed in accordance the City of San Diego Guidelines should be required for ANY new development that would add additional loads on undocumented fills, fills placed on settlement prone soil.

Without changing the requirements for geotechnical investigation for minor additions or fills, the effects of Settlement Prone Soil on the planned development could be significant.

Lateral Spreading: Less than Significant. Lateral Spreading occurs in sloping liquefaction prone soil or liquefaction prone soil with an open face (slope). Liquefaction prone soil in the Study Area is overlain be fill or is confined to stream channel bottoms. The potential for lateral spreading in the Study Area is insignificant.

8.7. Threshold G-4 Expansive Soil

Less than Significant. Expansive soil is present on the mesa portions of the Study Area. This area has been heavily modified by previous development, so the distribution of the expansive soil will be site dependent. Geotechnical investigations as required by the City of San Diego will identify the effects of expansive soil on the planned development. Typical remediation measures include removal of unsuitable soil and replacement with non-expansive soil, chemical treatment of expansive clay, or specially designed and reinforced foundations.

8.8. Threshold G-5 Soil Unsuitable for Onsite Sewage Disposal Systems

Less than Significant. Soil and geologic formations with poor percolation characteristics are widespread in the Study Area. The Study Area is currently well served by existing sewer systems. The use of onsite sewage disposal systems is not anticipated.

9. CONCLUSIONS

Conclusions of this Study are listed below.

- There are no geologic hazards that cannot be avoided or mitigated
- There are no policies or recommendations of the MVCPU which will have a direct or indirect significant environmental effect with regard to geologic hazards.
- The proposed land uses are compatible with the known geologic hazards.
- There are no potential impacts related to geologic hazards from the implementation of the MVCPU that can't be avoided, reduced to an acceptable level of risk, or reduced below a level of significance through mandatory conformance with applicable regulatory requirements or the recommendations of this technical report.
- The draft EIR and MVCPU plan (January 7, 2019) are in general conformance with the findings and conclusions of this Study.

10. LIMITATIONS

This report was prepared in general accordance with current guidelines and the standard-of-care exercised by professionals preparing similar documents near the Study Area. No warranty, expressed or implied, is made regarding the professional opinions presented in this document. As this report represents a review of existing documentation on geotechnical conditions of the planning areas rather than in-depth on-site investigation, it cannot account for variations in individual site conditions or changes to existing conditions. Please also note that this document did not include an evaluation of environmental hazards.

The conclusions, opinions, and recommendations as presented in this document, are based on a desktop analysis of data, some of which were obtained by others. It is our opinion that the data, as a whole, support the conclusions and recommendations presented in the report.

The purpose of this study was to evaluate geologic and geotechnical conditions within the planning areas to assist in the preparation of environmental impact documents for the project. Comprehensive geotechnical evaluations, including subsurface exploration and laboratory testing, should be performed prior to design and construction of structural improvements. Any future projects on individual sites in the planning areas will require site-specific geotechnical studies as required by State and City regulations.

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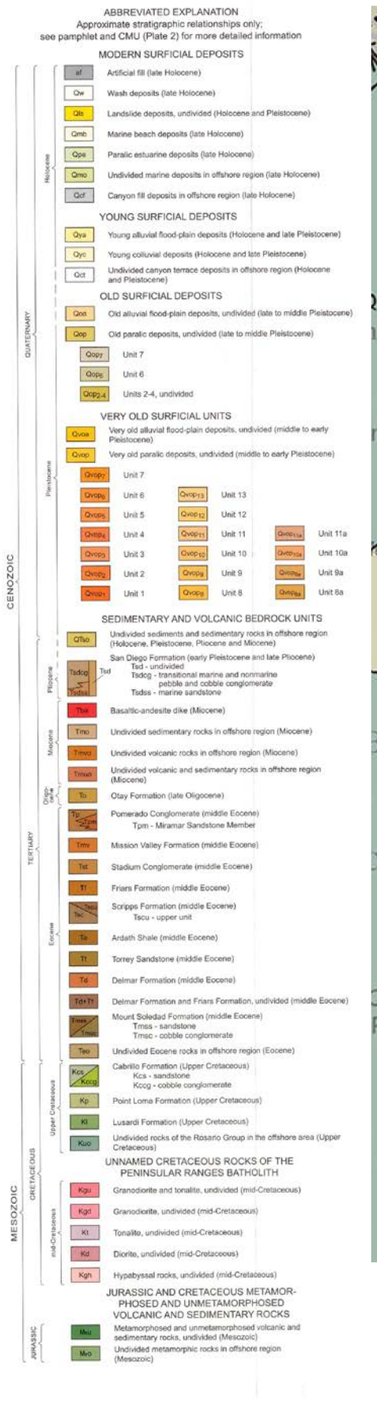
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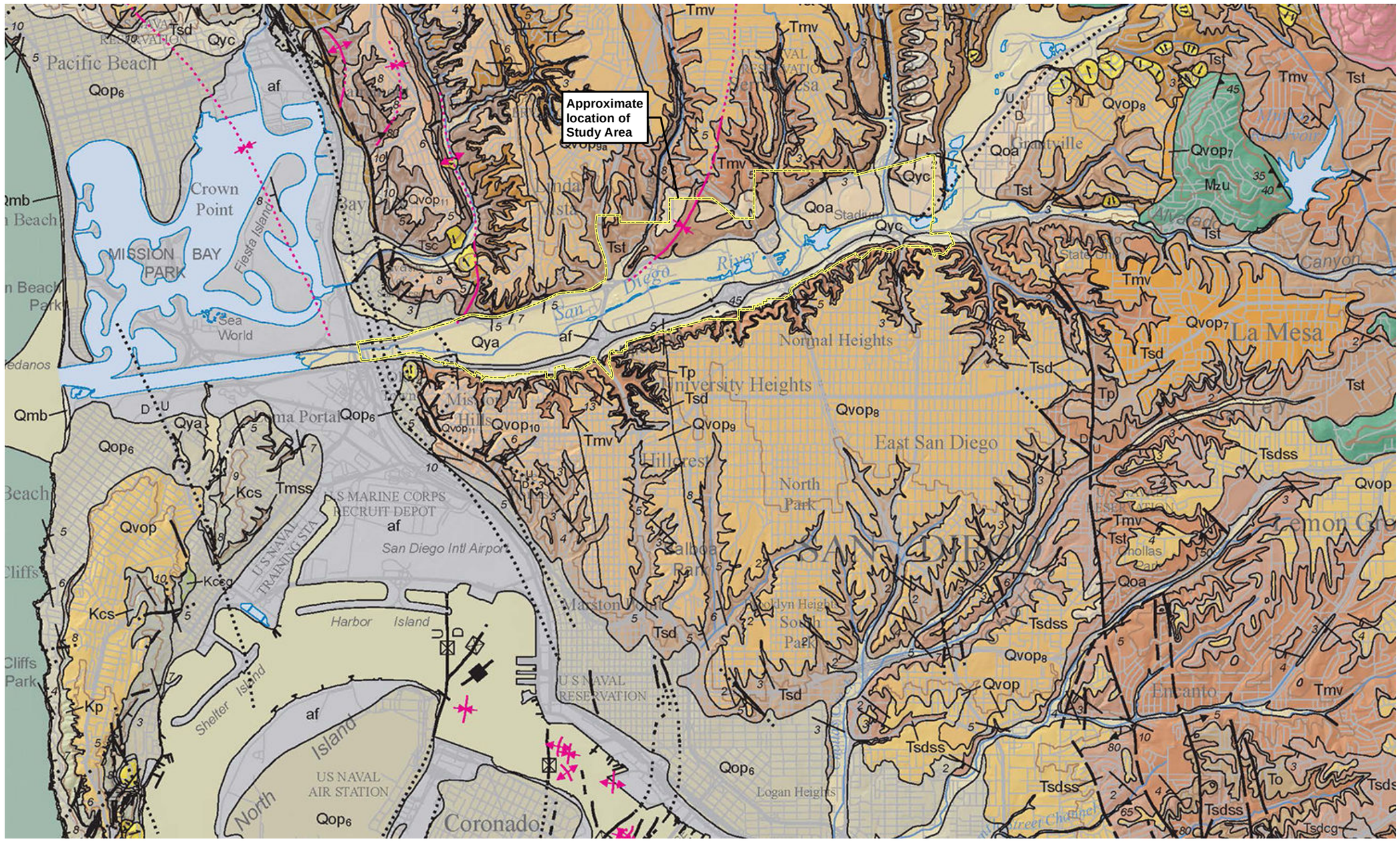
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FIGURES

Regional Geology



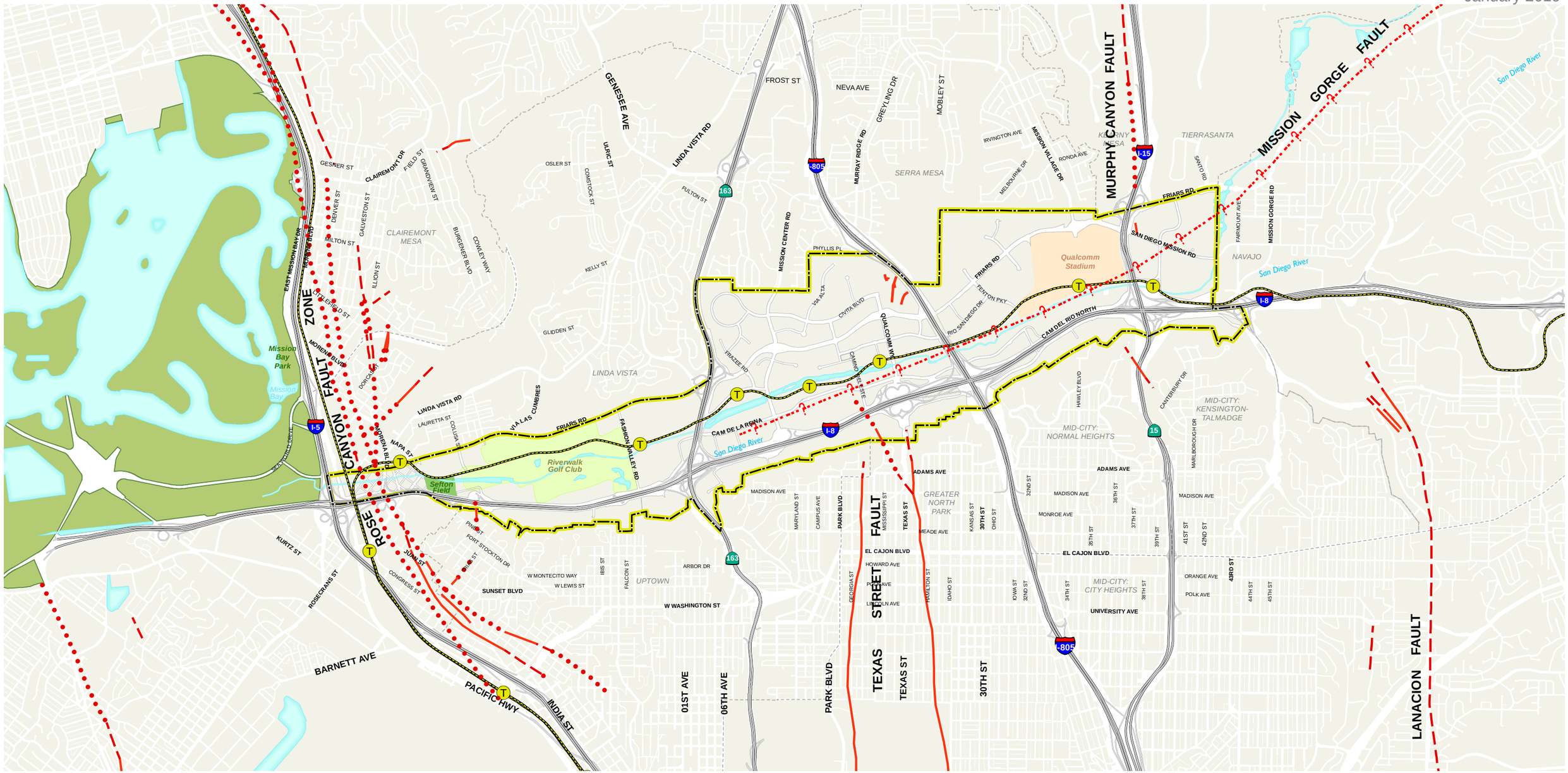


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Fault Map



- Trolley Stops
- Ramps Bottomline
- Streams/Creeks
- Lakes/Ponds
- Mission Valley Community Plan Boundary
- Community Planning Areas
- Fault
- Inferred Fault
- Concealed Fault
- Uncertain Fault (queried as existence not conclusively established)

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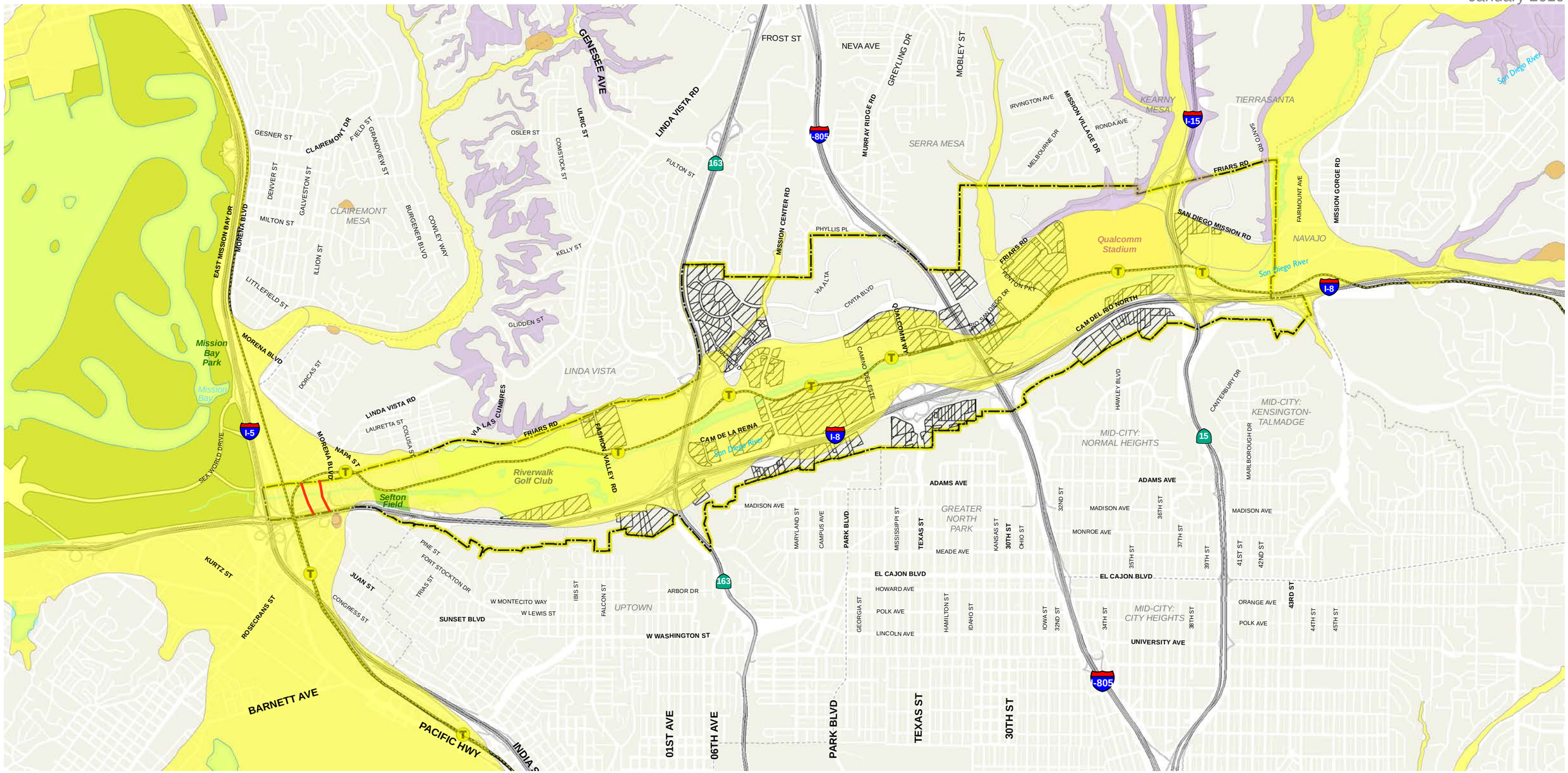
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Geohazards Map

MISSION VALLEY COMMUNITY PLAN UPDATE

January 2019



- Trolley Stops
- Ramps Bottomline
- Streams/Creeks
- Lakes/Ponds
- Mission Valley Community Plan Boundary
- Community Planning Areas
- Active Fault
- Landslides
- Slide Prone Formations
- Liquefaction
- Areas with potential new construction and/or subject to new loads

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Appendix F: Hazardous Materials Technical Study

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Hazardous Materials Technical Study
Mission Valley Community Plan Update
San Diego, California

PREPARED FOR:

Mr. Peter Winch
Dyett & Bhatia Urban and Regional Planners
755 Sansome Street
San Francisco, California 94111



PREPARED BY:

The Bodhi Group Inc.

Revised December 2015
Project No. 9091002

Revised December 16, 2015
Project No. 9091002

Mr. Peter Winch
Senior Associate
Dyett & Bhatia Urban and Regional Planners
755 Sansome Street
San Francisco, California 94111

Subject: Hazardous Materials Technical Study
Mission Valley Community Plan Update
San Diego, California

Dear Mr. Winch:

We are pleased to submit our Hazardous Material Technical Study report. The report was prepared in support of the Mission Valley Community Plan Update and includes identification of hazardous materials release sites within the Study Area and the significance of these releases to existing and future land uses of the Study Area.

Respectfully submitted,
THE BODHI GROUP INC



Sree Gopinath, P.E.
Principal Engineer

Jonathan Goodmacher, C.E.G, C.H.G.
Senior Geologist

Distribution: (1) Addressee

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Appendix A – Environmental Database Report
Appendix B List of Applicable Laws and Regulations Governing Hazardous Materials

EXECUTIVE SUMMARY

This Hazardous Materials Technical Study (Study) evaluated the presence and levels of hazardous chemicals that could have potential adverse effects to the planned land uses of the Mission Valley Study Area (Study Area). Sites where hazardous chemicals and petroleum have been used, stored, conveyed, or dispensed, and sites where there have been spills or unauthorized release of hazardous chemicals or petroleum to the subsurface were identified in the preliminary phase of this Study. State databases owned and maintained by the State Water Resources Control Board ("Geotracker"), the California Environmental Protection Agency Department of Toxic Substances Control ("Envirostor"), and CalRecycle ("Solid Waste Information System or SWIS") were queried to identify sites within the Mission Valley Study Area and immediate vicinity. In addition, a third-party vendor, "EDR," was retained to identify sites in and near the Study Area from Federal, State, local, and tribal databases. Over 2,200 sites were identified in the preliminary phase of the Study as having some documentation of hazardous materials use, storage, or release.

Of these, 1,478 sites were considered to have the potential to adversely affect human health or groundwater resources in the Study Area based on the type of chemical stored or released, potential pathways of contaminant migration into the Study Area, and data from wells along the Study Area perimeter. These sites are displayed on the Map HAZMAP-01.

Of the 1,478 sites, 46 were selected based on at least one of the criteria listed below. The remaining 1,432 sites either did not have releases or the releases did not result in potential adverse effects to human health or groundwater resources in the Study Area.

- Sites with known unauthorized releases of hazardous chemicals or petroleum under regulatory oversight.
- Sites with residual concentrations of chemicals in the subsurface (in the Study Area).
- Sites outside the Study Area but where chemicals in the subsurface had the potential to migrate beneath the Study Area.
- Regulatory status.

The degree of potential adverse effects to human health and/or groundwater resources differ based on the specifics of each release case and are influenced by the type and quantity of chemicals released (i.e., volatility, solubility, toxicity, persistence), affected media (i.e., soil, groundwater, soil gas), source area concentrations, physical characteristics of the site such as geology, hydrogeology, preferential pathways for contaminant migration, and whether the chemicals have effectively attenuated or have been actively remediated to levels that are less than significant.

Based on an evaluation of the above criteria and our experience, each of the 46 sites were assigned a hazard ranking from 5 (Very high) to 1 (Very low).

Rank	Hazard	Description	Consequences
5	Very high	Potentially acute threat to human health or environment	Immediate action needed to mitigate existing threat.
4	High	Potentially significant risk to human health or environment	Investigation or remediation needed for existing risk. Or, new development will be subject to remedial measures.

Rank	Hazard	Description	Consequences
3	Moderate	Potential threat/risk to human health or environment	Possible investigation needed for existing development. Residual contamination in soil and/or groundwater may necessitate re-opening of case based on potential adverse effects to human health (Vapor Intrusion pathway) or groundwater or if closure standards are revised.
2	Low	Less than significant threat/risk to human health or environment	Special management/notification in case of subsurface work. New development may necessitate verification of closure standards.
1	Very low	De Minimis conditions	No action or special management needed other than possible notification.

The 46 ranked sites are displayed on Map HAZMAP-02. A majority of the sites have achieved regulatory closure; however, the current standard of practice, improved understanding of the fate and transport of chemicals, improved knowledge of chemical toxicity and effects, levels of residual chemicals, and media affected were considered in assigning rank.

Seven sites were assigned a Rank of 1; twenty-six sites were assigned a Rank of 2; ten sites were assigned a Rank of 3; three sites were assigned a Rank of 4; and none of the sites were assigned a Rank of 5.

The results indicate that there are no hazardous sites in the Study Area that would result in very high hazards relative to planned use of the Area. Of the sites with Rank 4, two are associated with bulk petroleum releases at the Mission Valley Terminal and the resulting off-site migration of chemicals beneath the Qualcomm Stadium site.

Remedial measures at the locations affected by the Mission Valley Terminal releases have been successful. However, not all chemicals have been completely removed and residual levels of contaminants may result in some adverse effects to human health and/or groundwater resources. There is a risk that rising water levels could mobilize residual chemicals. This risk can be mitigated and/or managed by the continued operation of the remedial system.

The other site with Rank 4, the former Montgomery Ward site, has a remedial measure in place that will need to be re-implemented for future use of the area affected by releases at that site.

Sites with a Rank of 3 may require additional investigation (possibly Vapor Intrusion assessment), and in a few cases, additional remediation if the current standard of practice indicate significant risks to future receptors. The need for additional investigation may be triggered by redevelopment, development of groundwater resources, discovery of contamination that was previously unknown, or changes in science and an increase in knowledge of chemical fate, transport, and toxicity that may indicate an increase in potential adverse effects to human health and/or groundwater resources.

Sites with a Rank of 2 may result in potential adverse effects to human health and/or groundwater resources, if the affected media (soil, groundwater) is excavated, extracted, or otherwise disturbed for redevelopment. In addition, regulations may require that contaminated soil and groundwater be managed with conditions, and, if needed, disposed of properly.

Sites with a Rank of 1 may require no action, other than possible notification to relevant parties.

1. INTRODUCTION

The Bodhi Group has completed a hazardous materials technical study (Study) of the Mission Valley Community Plan Update area (Study Area). The Study was performed at a California Environmental Quality Act (CEQA) level for the Community Plan Update. The evaluation includes an Environmental Data Resources (EDR) Area search of the Study Area, a search of pertinent Federal, State and local regulatory agency database records, search of regulatory records, and historical land use information from readily available public records. The EDR report is included as Appendix A.

The Consultant conducted a preliminary field visit to view select sites from public access points (streets, parking lots) identified during the database research. However, since the hazards at these sites are subsurface, the field visit did not provide further information other than confirmation of the presence of physical features (e.g., aboveground storage tanks or ASTs) or the presence of a business.

Further study would confirm or revise the findings of this study of the presence of hazardous materials and petroleum constituents below ground. This report also includes a list of local, state and federal laws and regulations governing hazardous materials. The list of applicable regulations is included as Appendix B.

1.1. Significant Assumptions

Although the search identified known sites and locations where hazardous materials have been stored, dispensed, conveyed, or spilled, only sites with documented hazardous material releases and oversight by a regulatory agency (local or State agency) were considered to have conditions that could present a risk to human health or the environment.

Documentation and data provided by the client, other interested third parties, or from the public domain, and referred to in the preparation of this assessment, are assumed to be complete and correct and have been used and referenced with the understanding that the Bodhi Group assumes no responsibility or liability for their accuracy. The conclusions contained herein are based upon such information and documentation and on our observations of Study Area conditions, as they existed on the date of this report. Because the Study Area conditions may change significantly over a short period of time and additional data may become available, data reported and conclusions drawn in this report are limited to current conditions and may not be relied upon on a significantly later date or if changes have occurred in the Study Area.

1.2. Limitations and Exceptions

Reasonable CEQA-level efforts were made during the Study to identify sites of potential environmental concern. “Reasonable efforts” are limited to information gained from recorded database information and regulatory records readily-accessible to the public. Such methods may not identify contaminant sources that are not listed in these sources.

This Study was not a Phase I Environmental Site Assessment or environmental compliance audit. While some observations and discussion in this report may address conditions and/or operations that may be regulated, the regulatory compliance of those conditions and/or operations is outside the scope of this investigation. Nothing in this report constitutes a legal opinion or legal advice.

This Study does not address asbestos-containing materials, radon, lead in drinking water, wetlands, protected environments and habitat, threatened or endangered species, industrial hygiene concerns, human health risk assessment, indoor air quality, high voltage power lines, geotechnical conditions,

cultural and historical resources, health and safety, and mold. The Study may render an opinion on the need for a health risk assessment. Monetary valuation was not performed for this assessment.

1.3. User Reliance

This report was prepared for use solely and exclusively by the Dyett & Bhatia Urban and Regional Planners and the City of San Diego. The report is not for the use or benefit of, nor may it be relied upon by, any other person or entity for any purpose without the advance written consent of the Bodhi Group. No other use or disclosure is intended or authorized by the Bodhi Group. In the preparation of this report, the Bodhi Group has used the degree of care and skill ordinarily exercised by a reasonably prudent environmental professional in the same community and in the same time frame given the same or similar facts and circumstances. No other warranties are made to any third party, either expressed or implied.

2. SITE DESCRIPTION

2.1. Location and Description

The Study Area, shown on Map HAZMAP-01, comprises approximately 3,216 acres and is near the geographic center of the City of San Diego. Part of the San Diego River floodplain, it is generally bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and Interstate 5 on the west (City, 1985).

The current Mission Valley Community Plan Update was approved in 1985. The community is now a regional center of office, hotels, retail sales, and a growing residential population. Public transportation within the area is provided by the Metropolitan Transit System and includes buses and the San Diego Trolley Green Line. Major thoroughfares include Interstate 8 and Friars Road and Camino del Rio (running east-west through the area) and Interstates 805 and 15 and California Route 163 (running north-south through the area).

2.2. History of Mission Valley

Throughout the history of Mission Valley, the San Diego River has been a primary attraction, first as a source of fresh water and later as a scenic recreational asset. After the Kumeyaay Indians, came the Spaniards, who first named the area La Canada de San Diego. The Spaniards established the Mission San Diego de Alcala on Presidio Hill in 1769 (City, 1985); in 1774 the Mission moved to its present location on San Diego Mission Road in Mission Valley.

In 1870, the name of the area was changed to Mission Valley. Truck farming, sheep herding, and bee keeping were introduced into the valley. By 1880, 20 dairies had been established in the valley. Sand and gravel extraction was introduced in 1913, and began in earnest about 1923. The Mission Valley Oil Enterprise Company unsuccessfully explored for oil at the foot of Texas Street in 1930.

Residential development was approved for Mission Valley in 1940 by local authorities. The Mission Valley Gold Club was established in 1947. In 1953-1954 the Town and Country Hotel and Mission Valley Country Club (now the Handlery Hotel) open.

In 1958, the Planning Department issued a preliminary study for the valley favoring hotels over dense residential and commercial uses. The construction of U.S. 80 (now Interstate 8) provided an impetus

for commercial development in Mission Valley, and for displacement of the agricultural economy. Other significant projects include San Diego Stadium (now Qualcomm Stadium) which was completed in 1967. Major urban development followed, primarily as a result of improvements in the regional highway network (City, 1985).

2.3. Regional Hydrogeologic Setting

Based on a review of available hydrogeologic data from the California Regional Water Quality Control Board San Diego Region (RWQCB, 1994), the Study Area is located in the Mission San Diego Hydrologic Subarea within the Lower San Diego Hydrologic Area of the San Diego Hydrologic Unit. The existing beneficial uses of groundwater in the Study Area include agricultural supply, industrial service supply, and industrial process supply (RWQCB, 1994). Municipal supply is identified in the basin plan as a potential beneficial use (RWQCB, 1994).

The San Diego County Water Authority has classified the Mission Valley portion of the San Diego River to be a principal alluvial aquifer (referred to as the Mission Valley Aquifer). Presently, the City of San Diego, the local water purveyor, is not using this alluvial aquifer for municipal water supply; however, in the future the City may evaluate potential groundwater use from this aquifer. The details of future groundwater development are not known at this time. Golf courses in the Study Area are the principal users of groundwater for irrigation.

3. ENVIRONMENTAL DATABASE REVIEW

The following sections summarize records reviewed for the Site.

3.1. Standard Environmental Record Sources

The Bodhi Group obtained and reviewed an environmental database search conducted by EDR, dated July 2015 (EDR, 2015a). The environmental databases searched ("standard environmental record sources"), corresponding search radii, and properties within specific search radii and identified on environmental databases are provided in the environmental database report in Appendix A. The identified properties were analyzed and the results are summarized in Section 5 of this report.

3.2. Water Wells

The EDR Report mapped 16 water well locations in the Study Area; some of these are/were nested (EDR, 2015b). Of these 14 were installed by the United States Geological Survey to monitor groundwater levels (some may have been destroyed). Two wells are permitted by the State and produce water for landscape irrigation (MAP-HAZ02).

3.3. Oil and Gas Wells

The EDR Report mapped 2 oil and gas well locations in the Study Area (EDR, 2015b). Both the wells were destroyed in 1999. There is no information on these wells other than there are no unauthorized release of contaminants associated with the wells (MAP-HAZ02).

4. REGULATORY RECORDS REVIEW

Sites regulated for unauthorized releases of chemicals were identified through a search of the State Water Resources Board-managed Geotracker website, the California Environmental Protection Agency

Department of Toxic Substances Control (DTSC)-managed Envirostor, and the CalRecycle-managed Solid Waste Information Systems (SWIS).

Geotracker provides information on sites regulated by the RWQCB and the County of San Diego Department of Environmental Health (DEH), Envirostor provides information on sites regulated by DTSC, and SWIS provides information on solid waste disposal sites regulated by CalRecycle, the County of San Diego Solid Waste Local Enforcement Agency (LEA), and the City of San Diego LEA. Properties with unauthorized releases regulated by a State or local agency were further analyzed and are discussed in Section 5.

5. EVALUATION AND CLASSIFICATION OF HAZARDOUS MATERIALS

Over 2,200 sites were identified in the EDR database search and the regulatory records search as having some documentation of hazardous materials use, storage, or release (discussed in Sections 3 and 4). Of these, 1,478 sites were considered to have the potential for adverse effects on human health and/or groundwater resources in the Study Area based on the type of chemical stored or released, potential pathways of contaminant migration into the Study Area, and data from wells within the Study Area or along the Study Area perimeter. These sites are displayed on the Map HAZMAP-01.

From these 1,478 sites, 46 (all in the City of San Diego) were selected based on at least one of the criteria listed below and are discussed in detail in this Section. The remaining 1,432 sites either did not have releases or the releases did not result in potential adverse effects to human health or groundwater resources in the Study Area.

- Sites with known unauthorized releases of hazardous chemicals or petroleum under regulatory oversight.
- Sites with residual concentrations of chemicals in the subsurface (in the Study Area).
- Sites outside the Study Area but where chemicals in the subsurface had the potential to migrate beneath the Study Area.
- Regulatory status.

The degree of potential adverse effects differ based on the specifics of each release case and are influenced by the type and quantity of chemicals released (i.e., volatility, solubility, toxicity, persistence), affected media (i.e., soil, groundwater, soil gas), source area concentrations, physical characteristics of the site such as geology, hydrogeology, preferential pathways for contaminant migration, and whether the chemicals have effectively attenuated or have been actively remediated to levels that are less than significant.

Based on an evaluation of the above criteria and our experience, each of the 46 sites were assigned a hazard ranking from 1 to 5, with 5 being the highest hazard and 1, the lowest. The 46 sites are discussed in the following report sections, organized by hazard ranking of 1 through 5, with a brief summary of the unauthorized release, residual contamination, degree of potential adverse effects, and hazard ranking. Each site has been assigned a Map ID number which corresponds with the number labeled on the HAZMAP-02 map. Unless noted otherwise, the contamination at the sites involved releases to soil only.

Table 1 – Hazard Ranking Criteria

Rank	Hazard	Description	Consequences
5	Very high	Potentially acute threat to human health or environment	Immediate action needed to mitigate existing threat.
4	High	Potentially significant risk to human health or environment	Investigation or remediation needed for existing risk. Or, new development will be subject to remedial measures.
3	Moderate	Potential threat/risk to human health or environment	Possible investigation needed for existing development. Residual contamination in soil and/or groundwater may necessitate reopening of case based on human health (Vapor Intrusion pathway) or adverse effects to groundwater and revised closure standards.
2	Low	Less than significant threat/risk to human health or environment	Special management/notification in case of subsurface work. New development may necessitate verification of closure standards.
1	Very low	De Minimis conditions	No action or special management needed other than possible notification.

6. SITES WITH VERY HIGH HAZARD RANKING

None of the sites in the Study Area were assigned a Hazard Rank of 5 (Very High).

7. SITES WITH HIGH HAZARD RANKING

Three sites in the Study Area were assigned a Hazard Rank of 4 (High).

7.1. Former Montgomery Ward – Map ID 1

The DEH opened an unauthorized release case based on subsurface petroleum contamination observed in 1986 during removal of one waste oil and three fuel USTs from the former Montgomery Ward automobile service center at 1288 Camino Del Rio North.

Subsequent soil and groundwater investigations characterized and delineated subsurface contamination, including the presence of free product on groundwater. The site was remediated by removing contaminated soil and addressing free product with a soil vapor extraction system. A VI study indicated significant long term risk to indoor occupants from contaminant vapors migrating through concrete floors. To mitigate this risk, the DEH required that future buildings include a sub-slab vapor barrier. The DEH closed the case in 2014.

The site has been developed with retail stores and restaurants. The buildings have sub-slab vapor barriers. Although the site has received regulatory closure, the residual contamination presents a significant long-term risk to human health and the environment, and as such will require proper mitigation measures both during and after construction.

Mitigation measures will include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered. In addition, all future structures will require a vapor barrier, or similar remedial measure, to preclude infiltration of volatile contaminants into indoor air through the building foundation and slab system.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 4 (High).

7.2. Mission Valley Terminal – Map ID 2

The Mission Valley Terminal is a 10.5-acre AST fuel farm at 9950 San Diego Mission Road. The terminal has been in operation since 1962. The site is under the current ownership of Kinder Morgan and has been leased to various tenants over the years. The facility has been the site of multiple unauthorized releases of fuel to the subsurface including approximately 200,000 gallons of gasoline released from holes in the northern manifold; petroleum releases from Texaco slop tanks; releases from a cracked underground T-junction operated by Shell; and gasoline releases from a failed pump seal in the vicinity of MV-14 transfer pump. The releases have contaminated soil and groundwater beneath the Mission Valley Terminal and have migrated and contaminated soil and groundwater at the nearby Qualcomm Stadium. Based on the releases and associated contamination, the RWQCB issued Cleanup and Abatement Order (CAO) 92-01. At present, a leak detection system is in place.

In response to CAO 92-01, responsible parties have recovered approximately 6,000 gallons of free product, removed 493,927 pounds of hydrocarbon by soil vapor extraction, and successfully remediated MTBE and benzene contamination in groundwater to smaller plumes with a groundwater pump and treat system. The regulatory case is currently open and the remediation systems are active.

Residual contamination include petroleum saturated soil in the vadose zone, dissolved petroleum constituents in groundwater, free product on groundwater, and potential vapor intrusion from volatile hydrocarbons into enclosed structures. One concern related to the on-going site remediation, common to both the Mission Valley Terminal and Qualcomm sites is the potential for recontamination of groundwater. Currently, due to the on-going pump and treat system, perhaps exacerbated by the drought, groundwater levels are depressed. Once the pump and treat system is shut down and with the return of average rainfall to the area, groundwater is expected to rise. This rising groundwater level can mobilize the currently immobile, but saturated levels of petroleum hydrocarbons in the vadose zone. This additional source of contamination can exacerbate potential adverse effects in groundwater and the potential for vapor intrusion into enclosed structures. At present, the Mission Valley Terminal continues to operate an AST fuel farm.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste

generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

Future structures, depending on the location relative to soil and groundwater contamination, may require a vapor mitigation system to (i) prevent vapors from migrating through building slabs and foundations and (ii) capture hydrocarbon vapors and vent, recover, or destroy the captured volatile hydrocarbons.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures will be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 4 (High).

7.3. Qualcomm Stadium Parking Lot Northeast – Map ID 3

In addition to groundwater contamination beneath the Qualcomm Stadium site (9449 Friars Road) from releases at the Mission Valley Terminal AST fuel farm regulated by the RWQCB (above), the DEH was requested to provide regulatory oversight of an ethanol spill caused by the overturning of an 8,000-gallon tanker truck at the intersection of San Diego Mission Road and Mission Village Drive. Approximately 2,000 gallons of ethanol was pumped out of the tanker and approximately, 2,500 gallons were recovered from puddles in the Stadium parking lot. However, sufficient ethanol with trace (1-5%) gasoline had contaminated the subsurface.

The groundwater pump and treat system at the Stadium parking lot site that has been in operation since 1994, was evaluated in 2002 and augmented with a soil vapor extraction system in 2003. Free product in groundwater migrating from the Mission Valley Terminal extends to the northeast portion of the Stadium parking lot. Plumes of fuel oxygenates such as MTBE and tert-butyl alcohol (TBA) extended downgradient but have been successfully controlled with the groundwater pump and treat system.

Similar to the Mission Valley Terminal site, the case is currently open and remediation is active. The current contamination at the Qualcomm Stadium site, primarily in groundwater and soil gas, does not preclude development at the site; however, mitigation measures, including active remediation will be needed for an extended period of time concurrent with site redevelopment. At present, the site continues to operate as a sporting venue.

These mitigation measures will include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered, continued operation of the groundwater pump and treat system, continued operation of the soil vapor extraction system, and installation, operation, and maintenance of a system to mitigate volatile vapors from entering enclosed structures.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures will be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 4 (High).

8. SITES WITH MODERATE HAZARD RANKING

Ten sites in the Study Area were assigned a Hazard Rank of 3 (Moderate).

8.1. Presidential Limousine Service (Former Arco) – Map ID 4

The DEH opened an unauthorized release case in 1984 based on observed subsurface petroleum hydrocarbons during removal of one waste oil and four gasoline USTs from the site (2085 Hotel Circle). Subsurface contamination was remediated with soil vapor extraction system that operated between 1994 and 1996. The DEH closed the case in 1999. Residual contamination remains in soil and groundwater. The site is currently undeveloped. There appears to be a soil pile covered with plastic liner on the site.

Although the site has received regulatory closure, the closure process did not include a VI study. Current standard of practice would require a VI study to evaluate the potential risk to receptors in enclosed structures at the site. Other mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.2. Stella Maris Corporation (Arco 3052) – Map ID 5

The site, at 6899 Friars Road, had operated as a gas station since 1969. There were two DEH cases associated with the site: one was opened in 1994 based on discovery of a release from a waste oil UST and the second in 1995 based on subsurface petroleum contamination observed during removal of five USTs.

Subsequent investigations indicated petroleum contamination in soil and groundwater (free product was observed). Approximately 1,246 tons of contaminated soil and 8 gallons of free product were removed during site remediation. Residual petroleum constituents remain in soil and groundwater. The DEH closed all cases by 2010 citing less than significant risks to human health and the environment. The site continues to be operated as an Arco gas station.

Although the site has received regulatory closure, the VI study performed for site closure may not meet the current standard of practice. Change in site use or regulatory environment may trigger a new VI study that may indicate potential risks to human health.

Other mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of

waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.3. Courtesy Chevrolet – Map ID 6

The DEH opened an unauthorized release case based on subsurface petroleum hydrocarbon contamination observed during removal of seven USTs in 1995 (waste oil, bulk oil, diesel, new oil, and anti-freeze) at the site (750 Camino Del Rio North). Approximately 30 cy of soil were removed for off-site disposal.

A regulatory notification of a waste motor oil release was made in 1992 at the former Daewoo dealership (same site, also referred to as Midway Jeep Chrylser, and Trevellyan Oldsmobile).

Minor concentrations of the chlorinated solvent, 1-2-DCA were detected in groundwater. Citing less than significant risk, the DEH issued case closure in 1997.

This site is currently occupied by Courtesy Chevrolet. Although the site received regulatory closure in 1997, new standards for evaluating potential adverse effects from residual contamination may require additional investigation at this location for redevelopment. These potential adverse effects include risk to indoor occupants from intrusion of contaminant vapors into enclosed structures.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, performing a Vapor Intrusion (VI) study, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.4. McBride's Mission Valley Arco (#03037) – Map ID 7

The DEH opened an unauthorized release case in 1988 based on observed subsurface petroleum contamination during removal of one waste oil and four gasoline USTs at the Arco station (915 Camino Del Rio South). Approximately 720 tons of petroleum-contaminated soil were removed for off-site disposal. A soil vapor extraction system was installed and operated between 1994 and 1996 to remove petroleum hydrocarbons in the unsaturated zone. Residual soil and groundwater contamination was detected at the site during investigations completed through 2006. The DEH issued case closure in 2006. A gas station continues to operate at the site.

Although the site has received regulatory closure, a VI study was not performed for the site. A VI study would be typically required under the current standard of practice. Other mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.5. Unocal Service Station (#4862) – Map ID 8

The DEH opened an unauthorized release case based on subsurface contamination observed during the removal of one waste oil and two gasoline USTs in 1994 and 1996 from the site (5050 Mission Center Road). An estimated 425 cy of contaminated soil were removed for off-site treatment. An additional 2,800 cy were removed after site characterization activities. Groundwater monitoring at the site indicated residual groundwater contamination. The DEH issued case closure in 2006. The site has since been developed with a restaurant and a strip mall.

Although the site has received regulatory closure, current standards for VI studies may necessitate re-evaluation of the VI potential to adversely affect receptors in enclosed spaces Other mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.6. Mobil 18-G6F – Map ID 9

The DEH opened an unauthorized release case in 1988 based on observed subsurface petroleum contamination during the removal of one waste oil and three fuel USTs from the Mobil station at 5494 Mission Center Road. Approximately 720 cy of contaminated soil were removed for off-site disposal. Subsequent investigations indicated soil and groundwater contamination. Free product was observed on groundwater. An initial soil gas investigation indicated significant concentrations of constituents in the gas phase; however a 2006 soil gas investigation did not detect these constituents. The DEH closed the unauthorized release case in 2011.

Although the site has received regulatory closure, current standards for VI study may require further investigation and a risk assessment. Other mitigation measures will depend on the type of

redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.7. Mission Center Texaco (Shell #121801) – Map ID 10

There are two DEH unauthorized release cases involved with this facility at 5465 Mission Center Road. The first involves a reported spill in 1994; the DEH closed the case in 1994. The second was associated with releases from a UST system that resulted in soil and groundwater contamination. Based on investigations through 2008, the DEH closed the case in 2011. A Shell station continues to operate at the site.

Although the site has received regulatory closure, an updated VI study may be needed consistent with the current standard of practice. Other mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.8. Murray Ridge Park – Map ID 11

This site in Mission Center, is regulated by the RWQCB, as a former burn dump site. The site has been closed with required land use controls and monitoring. Work in this location will require regulatory notification and oversight, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or burn ash, if encountered.

If the site has to be redeveloped, the burn dump site will require clean closure remediation to excavate and remove contaminated soil under regulatory oversight.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.9. Stadium Cleaners – Map ID 12

The DEH opened an unauthorized release (non-UST) case based on elevated concentrations of tetrachloroethylene (PCE, a chlorinated solvent) detected in the immediate vicinity of a floor sink in the boiler room of the dry cleaning establishment at 5694 Mission Center Road. The source of the PCE was attributed to the direct discharge of liquid condensate from the dry cleaning machine into the floor sink.

Approximately 14 cy of contaminated soil were removed. Residual concentrations of PCE remain in soil and groundwater. Citing less than significant adverse effects to human health and the environment, the DEH closed the case in 1997. The site continues to be operated by Stadium Cleaners with a Ralph grocery store on one side and a UPS store on the other.

Although the site has received regulatory closure, the standards for evaluating risk to human health and the environment have significantly changed since 1997. Current standards may necessitate performing a VI and sensitive receptor study.

Other mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

8.10. Marvin K Brown Cadillac – Map ID 13

The DEH opened an unauthorized release case in 1998 based on observed subsurface petroleum contamination below a dispenser during removal of a gasoline UST at the Marvin K Brown Cadillac dealership (1441 Camino Del Rio South). Approximately 20 tons of contaminated soil were removed for off-site disposal. Residual soil and groundwater contamination was detected. A VI study was performed that indicated no significant risk to receptors. The case was closed by the DEH in 2013. The site continues to be occupied by the Marvin K Brown Cadillac dealership.

Although the site has received regulatory closure, residual contamination was detected at levels that may require a more current VI study. Other mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 3 (Moderate).

9. SITES WITH LOW HAZARD RANKING

Twenty-six sites in the Study Area were assigned a Hazard Rank of 2 (Low).

9.1. Former Texaco Station – Map ID 14

The DEH opened an unauthorized release case in 2006 based on petroleum hydrocarbon contamination in soil and groundwater detected during a subsurface assessment of the former Texaco station at 845 Morena Boulevard. The site has not received regulatory closure.

The site has been developed with a fast food restaurant and a convenience store. Although the site is outside the Study Area, petroleum hydrocarbon contamination in groundwater could potentially migrate into the Study Area. Accordingly, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will include, but not be limited to, notifying exposed populations such as site workers during dewatering operations, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of contaminated groundwater, if extracted.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.2. Western Division Police Station – Map ID 15

The Western Division Police Station became operational around May 1984, and is currently utilized as a fueling station and maintenance garage. In late 1986, gasoline odors were reported in local bathrooms, and free floating product (gasoline) was reported in an abandoned sewer line leading to the site at 5215 Gaines Street (outside the Study Area). The site is being regulated by the DEH.

The sewer line was subsequently plugged with concrete. In February 1987, it was determined that there was a leaking turbine pressure feed line from one of the five USTs at the site and an estimated 41,000 to 55,000 gallons of gasoline was released. Product extraction wells were installed at the site in 1987, and a vapor survey was conducted. In addition, the City operated a soil vapor extraction remediation system at the site from approximately 1990 to 1997. Three of the five USTs were removed in 1998 (2 gas, one diesel), and during the tank removal activities, and 200 cy of contaminated soil were excavated. The other 2 USTs (waste oil and motor oil) were later removed. The case is currently open.

Significant residual soil and groundwater contamination remain at the site. Since the site is outside the Study Area, the soil contamination will not adversely affect the Study Area. However, a well downgradient of the site and near the Study Area reported detected concentrations of MTBE, a fuel oxygenate.

During construction of the West Light Rail Extension, contaminated soil and groundwater were encountered originating from the Police Station site. RWQCB oversight was requested during construction and the case was subsequently closed in 20013

Although the site is outside the Study Area, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement. Mitigation measures will consist of notifying exposed populations such as site workers prior to earthwork of dewatering, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.3. Jeff and Cindy Cavignac – Map ID 16

The DEH opened an unauthorized release case in 1989 based on a reported diesel release at the site (4314 Altamarino Way). The DEH issued case closure in 2000. The location is currently developed with residential housing.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.4. River Valley Sports Center – Map ID 17

There are two DEH unauthorized release cases associated with this site (2440 Hotel Circle Place). The first was associated with soil contamination observed during UST removals in 1995. The second was associated with DEH oversight of a VAP case for construction of a two-story commercial office building at the former gas station site. Low level diesel contamination was observed in soil during construction. The DEH issued case closure in 2003. The site is currently occupied by office buildings.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement, similar to those taken during site construction in 2003.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers prior to earthwork, implementing appropriate health and safety precautions to minimize exposure to residual

contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.5. Exxon Service Station – Map ID 18

The DEH opened an unauthorized release case in 1987 based on regulatory notification of a gasoline leak at the Exxon service station (2432 Hotel Circle North). The site is currently occupied by a Motel 6. The DEH issued case closure in 1999.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.6. Former Handlery Hotel and Country Club – Map ID 19

A petroleum leak was reported in 1990 and a DEH case was opened for the site at 5900 Friars Road. This location was also referred to as Stardust Golf Course Maintenance Yard in local agency records (EDR, 2015a). The case was subsequently closed in 1990. The site has been redeveloped with an office building.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.7. Chevron #90158 – Map ID 20

The DEH opened an unauthorized release case based on soil contamination observed during upgrades to one waste oil and three gasoline USTs in 1998 at the Chevron station at 755 Hotel Circle South. Approximately 160 tons of petroleum-contaminated soil were excavated for off-site disposal.

Residual petroleum hydrocarbon contamination in soil and groundwater were detected during subsequent site investigations. Groundwater contamination was monitored between 2001 and 2005. Citing less than significant risk to human health and the environment, the DEH issued case closure in 2010.

This location has been redeveloped with a mini-mart, restaurant, and motel. Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.8. Town and Country Resort Hotel – Map ID 21

The RWQCB issued a CAO to Town and Country Hotel (500 Hotel Circle North) for discharge of soil and earthen waste into and along San Diego River and failure to cleanup waste during a parking lot expansion. The site likely does not pose a significant long-term risk to human health and the environment; however, some mitigation measures may be required for redevelopment or site improvements. The site is currently occupied by the Town and Country Resort Hotel.

In addition, a gasoline spill was reported at the site in 1992 (504 Hotel Circle North referred to as Hotel Circle 76). That case was subsequently closed in 1992 based on less than significant risk to human health and the environment.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to properly managing, treating, and/or disposing of waste generated through excavation of the waste or contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.9. Firestone #22F2 – Map ID 22

The DEH opened an unauthorized release case in 1987 based on regulatory notification of a petroleum and waste oil leak at the Firestone #22F2 site at 6977 Friars Road. The DEH issued case closure in 1989. The site is currently occupied by the Firestone automotive care center.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.10. Union Tribune Publishing Company – Map ID 23

There were three unauthorized release cases associated with this site at 350 Camino De La Reina. The first case was associated with subsurface contamination observed during removal of four USTs in 1986. The release was attributed to holes in the USTs. Investigations indicated contamination in soil and groundwater. Groundwater remediation efforts between 1988 and 1996 consisted of pumping and treating contaminated groundwater and then recycling the treated groundwater into the newspaper publishing process.

The second case was associated with diesel contamination in soil observed during an inspection for piping upgrades in 1997. The contamination was attributed to the first UST release case. The third case was associated with diesel and heavy oil contamination detected in soil during removal of a UST in 1996. Approximately 25 cy of contaminated soil were removed for disposal. The DEH issued case closure for all the cases by 2008. The site continues to be occupied by the San Diego Union Tribune offices.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.11. Witt Lincoln Mercury – Map ID 24

The DEH opened an unauthorized release case in 1992 based on reported leak of petroleum at the site (588 Camino Del Rio North). The case was subsequently closed in 1992 based on less than significant risk to human health and the environment. The site continues to be occupied by Witt Lincoln Mercury.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers prior to earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.12. Bob Baker Ford (Bob Baker Ford Chrysler) – Map ID 25

Bob Baker Ford (also known as Bob Baker Ford Chrysler) at 730 Camino Del Rio North, San Diego is listed in the DEH Site Assessment and Mitigation (SAM) database as a petroleum release site.

Based on odors from the UST excavation observed during the removal of gasoline and waste oil underground storage tanks (USTs) in 2005, the DEH opened an unauthorized release case. Elevated levels of heavy-end petroleum hydrocarbons were detected in soil in a 2007 investigation. Results of groundwater sample analysis did not indicate petroleum constituents; however, 1,2-dichloroethane (1,2-DCA), a chlorinated solvent, was detected in groundwater at trace concentrations. Soil samples were collected after removal of hydraulic lifts that had been initially installed in 1965 to evaluate soil contamination. Minor concentrations of polynuclear aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) were detected in soil. Some soil was removed for off-site disposal.

The site enrolled in the DEH voluntary assistance program (VAP) in May 2015 for regulatory oversight during decommissioning of the auto dealership. Based on soil, soil gas, and groundwater sampling and analysis, the DEH issued case closure in June 2015, citing less than significant risks to human health and the environment. The site is being redeveloped into a mixed-use residential and office complex.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.13. R.E. Hazard Contracting Company – Map ID 26

The DEH opened an unauthorized release case in 1986 based on reported leak of petroleum at the site (7501 Friars Road). The case was subsequently closed in 1993 based on less than significant risk to human health and the environment. The site has been redeveloped with office buildings and restaurants.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers prior to earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.14. Hazard Center Chevron (#90091) – Map ID 27

The site, at 7698 Friars Road, has been operating as a gas station since 1972. In 1993, the DEH opened an unauthorized release case based on observed subsurface petroleum hydrocarbon contamination during the removal of one waste oil, one diesel, and three gasoline USTs. Approximately 1,510 cy of contaminated soil were removed for off-site disposal. Residual soil and groundwater contamination remain at the site. Citing no significant long term threat to human health and the environment, the DEH issued case closure in 2007. The site continues to operate as a gas station, selling non-branded fuel.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.15. U S Rentals – Map ID 28

The DEH opened an unauthorized release case in 1993 based on reported leak of gasoline at the site (1544 Frazee Road). The case was subsequently closed in 1993 based on less than significant risk to human health and the environment. The site is currently occupied by offices belonging to the San Diego Community College District.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers prior to earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.16. San Diego Mesa College – Map ID 29

The DEH opened an unauthorized release case in 1989 based on reported leak of petroleum at the site (7250 Mesa College Drive). The case was subsequently closed in 1989 based on less than significant risk to human health and the environment. The site continues to be occupied by San Diego Mesa College.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers prior to earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.17. H.G. Fenton Material Company at Murphy Canyon Road – Map ID 30

During batch operations at the former H.G. Fenton Material Company asphalt plant at 7400 Murphy Canyon Road, soil was contaminated by a diesel and asphalt spill, which resulted in an unauthorized release case with DEH oversight. Approximately 7,625 cy of soil was removed. Groundwater was monitored but no contamination was detected. Some residual soil contamination may be present. DEH issued case closure in 1998.

The site has been developed as a strip mall. Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.18. Mission Heights – Map ID 31

The DEH opened an unauthorized release case based on a reported diesel leak in 1998 at this facility on Murray Canyon Road. The case was closed in 1998.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential

hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.19. H.G. Fenton Material Company at Mission Valley Road – Map ID 32

The DEH opened an unauthorized release case in 1994 based on a reported petroleum spill at 7243 Mission Valley Road. The case was closed in 1994. The site is currently developed with office buildings. Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.20. Cal Mat Company – Map ID 33

The DEH opened an unauthorized release case based on subsurface petroleum contamination observed during UST upgrades in 2005 at the site (5745 Mission Center Road). The petroleum contamination was attributed to releases from the fuel dispensers. Approximately 2,442 tons of soil were removed for off-site disposal. Only MTBE was detected in groundwater at trace concentrations. Based on less than significant risk to human health and the environment, the DEH issued case closure in 2008.

This site has been redeveloped with residential multi-family housing. Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.21. Industrial Asphalt – Map ID 34

The DEH opened an unauthorized release case in 1992 based on a reported diesel leak at the site (8150 Friars Road). The case was subsequently closed in 1992. The site is being redeveloped with residential properties.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.22. Mission Valley Chevron (#94991) – Map ID 35

The DEH opened an unauthorized release case in 1993 based on observed subsurface petroleum hydrocarbon contamination during the removal of four USTs at the Chevron site at 2290 Camino Del Rio North. Petroleum hydrocarbons were detected at significant concentrations beneath the former waste oil UST, gasoline UST, and pump islands. Approximately 245 cy of soil was excavated and removed for off-site disposal.

Subsequent site investigation, including quarterly groundwater monitoring between 1993 and 2001 indicated that soil and groundwater contamination were limited in aerial extent. Based on the investigation results, the DEH issued case closure in 2004. The site continues to operate a Chevron-branded gas station.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.23. Caltrans Texas Street Hook Ramp – Map ID 36

Prior to construction of Interstate 8, a sand and gravel operation was located in the area. The operation used an underground fueling system. A leak in the system was discovered in 1991 and reported to the DEH, which opened an unauthorized release case.

Based on subsequent investigations, localized petroleum hydrocarbon contamination in soil and groundwater were detected at the site. Citing less than significant risk to human health and the environment, the DEH issued case closure in 2010.

Since this site is near a freeway ramp, it is unlikely there will be a change in land use. Accordingly, the only potential hazards are to construction workers performing subsurface work. Mitigation measures may include, but not be limited to, notifying site workers of potential hazards prior to earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil or extraction of contaminated groundwater, if encountered.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

9.24. H.G. Fenton Material Company at Friars Road – Map ID 37

The H.G. Fenton Material Company operations at 9300 and 9310 Friars Road reported a diesel spill in 1993 and a gasoline spill in 1998, which resulted in unauthorized release cases with DEH oversight. Both cases were closed by the DEH. The site is currently developed as a construction yard and a Fire Station.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers and the public of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.25. National University – Map ID 38

The DEH opened an unauthorized release case to assess the effects of a hydraulic oil leak from an elevator shaft at the site (4007 Camino Del Rio South). The assessment determined that the leak had contaminated soil to a maximum depth of 13 feet and that groundwater had not been contaminated. The DEH closed the case in 1999. Residual soil contamination remains at the site. The site is currently occupied by the Point Loma Nazarene University.

Although the site has received regulatory closure and the residual contamination does not pose a significant long-term risk to human health and the environment, it is recommended that proper mitigation measures be taken prior to construction for redevelopment or site improvement.

Mitigation measures will depend on the type of redevelopment or site improvement and may include, but not be limited to, notifying exposed populations such as site workers of potential hazards during earthwork, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of waste generated through excavation of contaminated soil, if encountered.

This site has been assigned a Hazard Rank of 2 (Low).

9.26. Former Unocal 76 – Map ID 39

The site, at 10385 Friars Road, has been undergoing remediation activities under DEH oversight since 1994 with the removal of 1,171 gallons of free product, 3,000 gallons of groundwater, and 909 cy of contaminated soil. Three fuel USTs were removed in 2001. Free product and MTBE were detected in groundwater beneath the site and MTBE was detected in San Diego River, downstream of the site. Citing less than significant risk to human health and the environment, the DEH issued case closure in 2007.

The site has been developed with an auto dealership and a strip mall. Although the site has received regulatory closure and is outside the Study Area, petroleum hydrocarbon contamination in groundwater could potentially migrate beneath the Study Area. Accordingly, it is recommended that proper mitigation measures be taken prior to construction for re-development or site improvement.

Mitigation measures will include, but not be limited to, notifying exposed populations such as site workers during dewatering operations, implementing appropriate health and safety precautions to minimize exposure to residual contamination, and properly managing, treating, and/or disposing of contaminated groundwater, if extracted.

If the Mission Valley Aquifer is developed as a source of groundwater for municipal use and groundwater is extracted from the site, additional investigation and remedial measures may be needed to treat contaminated groundwater prior to beneficial use.

This site has been assigned a Hazard Rank of 2 (Low).

10. SITES WITH VERY LOW HAZARD RANKING

Seven sites in the Study Area were assigned a Hazard Rank of 1 (Very Low).

10.1. Lloyd Pest Control – Map ID 40

The DEH opened an unauthorized release case in 1998 based on observed subsurface petroleum contamination at the site (935 Sherman Street) during removal of two gasoline USTs. Approximately 423 tons of contaminated soil and 500 gallons of petroleum product were removed. Free product was observed on groundwater.

In December 2004, volatile constituents of gasoline were either not detected or detected at trace concentrations in soil gas. Wells 400 feet north of the site had trace concentrations of MTBE. The case was closed in 2013. The site continues to be occupied by the pest control company.

Since the site is outside the Study Area, it is unlikely that petroleum contamination at the site will cause significant adverse effects in the Study Area. Mitigation measures may consist of notification to the Contractor performing subsurface work at the site.

This site has been assigned a Hazard Rank of 1 (Very low).

10.2. Radisson Hotel San Diego – Map ID 41

The DEH opened an unauthorized release case in 1999 based on reported leak of petroleum at the site (1433 Camino Del Rio South). The case was subsequently closed in 2001 based on less than significant risk to human health and the environment. The site is currently occupied by the Sheraton, Mission Valley hotel.

It is unlikely that petroleum contamination will cause significant adverse effects in the Study Area. Mitigation measures may consist of notification to the Contractor performing subsurface work at the site.

This site has been assigned a Hazard Rank of 1 (Very low).

10.3. John Hine Pontiac Mazda – Map ID 42

The DEH opened an unauthorized release case in 1989 based on notification of a petroleum leak at the facility at 1545 Camino del Rio South. The DEH closed the case in 2000.

This site continues to be occupied by the auto dealership. It is unlikely that petroleum contamination will cause significant adverse effects in the Study Area. Mitigation measures may consist of notification to the Contractor performing subsurface work at the site.

This site has been assigned a Hazard Rank of 1 (Very low).

10.4. Vantile Parcels – Map ID 43

This site covers 3 parcels on a 21 acre property that was formerly used for mining sand and gravel through the 1970s. A Phase I Environmental Site Assessment was completed in 1998 and subsequent soil sampling detected minor concentrations of recoverable petroleum hydrocarbons. A second Phase I Environmental Site Assessment completed in 2010 did not find significant environmental issues on site. A VAP case was opened for this site and the DEH issued case closure in 2011. The site has since been redeveloped with multi-family housing.

It is unlikely that the minor petroleum contamination will cause significant effects in the Study Area. However, to account for the presence of hydrocarbon contamination, mitigation measures may consist of notification to the Contractor performing work at the site.

This site has been assigned a Hazard Rank of 1 (Very low).

10.5. Midas – Map ID 44

The DEH opened an unauthorized release case in 1994 based on notification of a petroleum leak at the facility at 3848 Camino Del Rio West. The DEH closed the case in 1994. This site continues to be occupied by the Midas automobile service center.

It is unlikely that petroleum contamination will cause significant adverse effects in the Study Area. Mitigation measures may consist of notification to the Contractor performing subsurface work at the site.

This site has been assigned a Hazard Rank of 1 (Very low).

10.6. Body Beautiful Car Wash – Map ID 45

The DEH opened an unauthorized release case based on subsurface petroleum contamination observed at the Body Beautiful Car Wash site (4282 Camino Del Rio North) during piping upgrades to a UST system in 2002. Approximately 102 cubic yards (cy) of contaminated soil were removed. Residual concentrations of gasoline-range petroleum hydrocarbons (TPH-G) and a fuel oxygenate, methyl-tert butyl ether (MTBE), were detected in groundwater. The case was closed by the DEH in 2013.

This site is currently occupied by the Body Beautiful Car Wash and adjacent Mobil gas station. The site is outside the Study Area and it is unlikely that petroleum contamination will cause significant adverse effects in the Study Area. There is a low potential for contaminants in groundwater at this site to migrate into the Study Area. Mitigation measures may consist of notification to the Contractor performing dewatering in the Study Area closest to this site.

This site has been assigned a Hazard Rank of 1 (Very Low).

10.7. Rose Automotive Service – Map ID 46

There are multiple DEH unauthorized release cases associated with the site at 5957 Fairmont Avenue. The first case was associated with subsurface gasoline contamination in soil observed during removal of three USTs in 1995. Subsequent investigations indicated contamination to soil and groundwater at the site. The second case was related to soil contamination (not groundwater) observed during the removal of a UST in 1998.

A VAP case was opened in 2001 requesting DEH oversight of a Phase II Environmental Site Assessment. The Phase II Environmental Site Assessment under the VAP case indicated localized contamination in soil and groundwater. The DEH cases were closed by 2005.

The site has received regulatory closure and based on the distance of the site from the Study Area, it is unlikely that petroleum contamination at the site will result in significant adverse effects in the Study Area. However, to account for the low potential for groundwater contamination to migrate to the Study Area in an area where construction could occur, mitigation measures may consist of notification to the Contractor performing work at the site.

This site has been assigned a Hazard Rank of 1 (Very low).

11. FINDINGS

Over 2,200 sites were identified in through search of Federal, State, local databases and regulatory records as having some documentation of hazardous materials use, storage, or release. Of these 1,478 sites were considered to have the potential to adversely affect the Study Area based on the type of chemical stored or released, potential pathways of contaminant migration into the Study Area, and data from wells along the Study Area perimeter (HAZMAP-01).

A final list of 46 sites were selected if they had an unauthorized release of contaminants, were (or had been) under regulatory oversight, and had residual contamination with potential adverse effects in the Study Area. Depending on the degree of adverse effects, each of the 46 sites were assigned a hazard ranking from 5 to 1 (highest to lowers), with 5 having the highest hazard and 1 the lowest (HAZMAP-02).

There are no hazardous sites that would result in severe adverse effects relative to planned use of the Study Area. Of the three sites with Rank 4, two are associated with bulk petroleum releases at the Mission Valley Terminal and the resulting off-site migration and contamination beneath the Qualcomm Stadium site. Remedial measures at these locations have been successful. However, all chemical contamination has not been removed and residual levels will result in some adverse effects. These potential adverse effects can be managed for future use the locations affected by these petroleum releases. The other site with Rank 4 (former Montgomery Ward site) has a remedial measure in place that will need to be re-implemented for future use of this site.

The ten sites with a Rank of 3 may require additional investigation (possibly Vapor Intrusion assessment), and remediation, if the current standard of practice indicate significant risks to future receptors. The twenty-six sites with a Rank of 2 will result in some adverse effects if contaminated media (soil, groundwater) is excavated, extracted, or otherwise disturbed for redevelopment. The seven sites with a Rank of 1 may require no action, other than possible notification to relevant parties.

12. REFERENCES

California Regional Water Quality Control Board, San Diego Region (RWQCB), 1994 (with amendments effective on or before April 4, 2011), Water Quality Control Plan For The San Diego Basin (9), dated: September 8.

City of San Diego (City), 1985, Mission Valley Community Plan, Amended: May 2013.

Environmental Data Resources, Inc. (EDR), 2015a, MV Community Plan Land Use Hazmat Update, San Diego, California, DataMap™ Area Study, dated: July 10.

Environmental Data Resources, Inc. (EDR), 2015b, MV Community Plan Land Use Hazmat Update, San Diego, California, DataMap™ Well Search Report, dated: July 10.

13. LIMITATIONS

This report was prepared in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants preparing similar documents in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this document. Variations in Site conditions will exist and conditions not observed or described in this document could be encountered during subsequent activities and Site work. Please also note that this document did not include an evaluation of geotechnical conditions or potential geologic hazards.

The conclusions, opinions, and recommendations regarding environmental conditions, as presented in this document, are based on an analysis of observed Site conditions and the referenced sources. Further assessment of environmental conditions at the Site may be accomplished by a more comprehensive assessment.

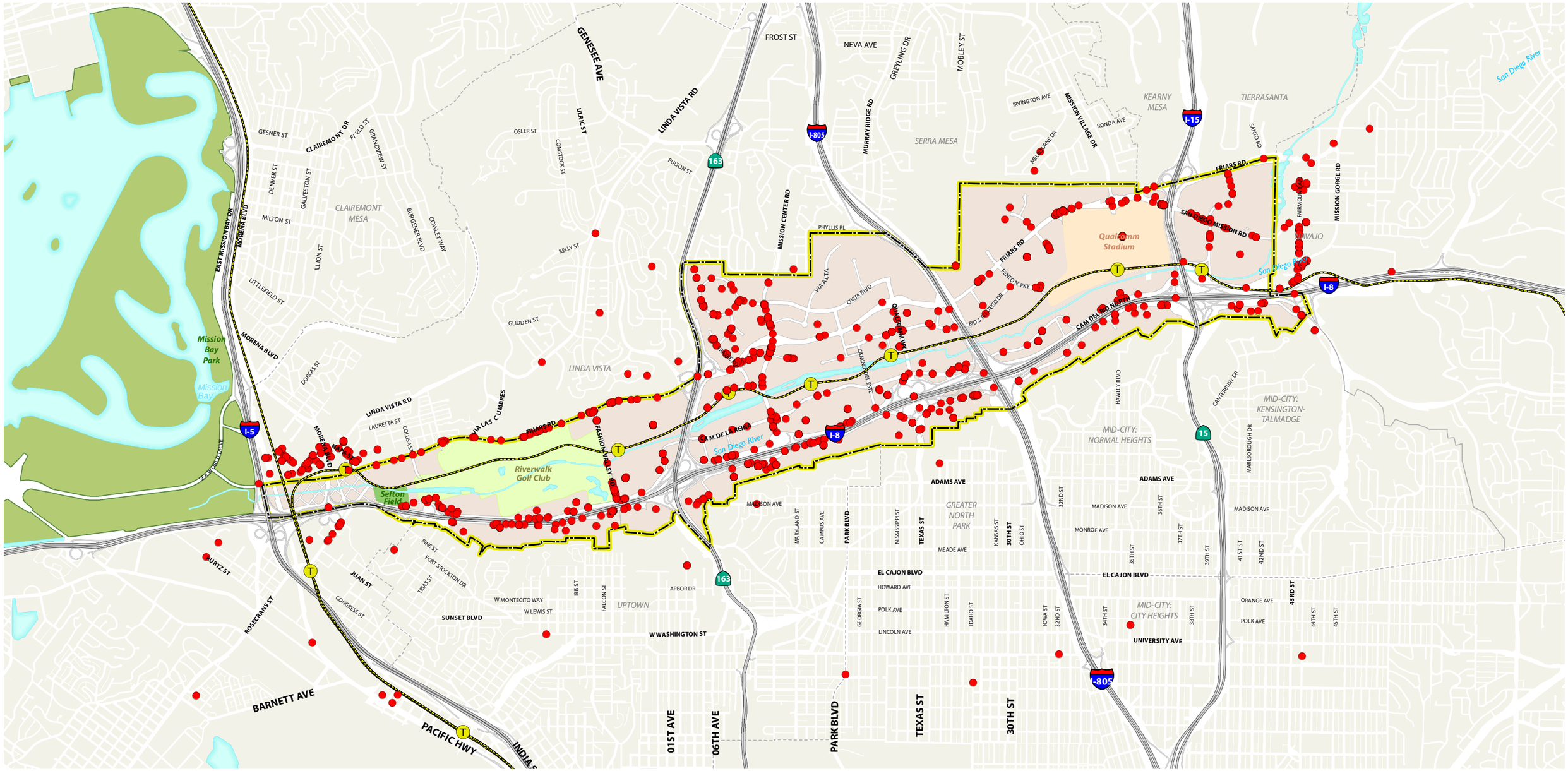
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Maps

Planning Area



- Trolley
- Light Rail
- Ramps Bottomline
- Mission Valley Community Plan Boundary
- Community Planning
- Potential sites that use or have hazardous substances releases

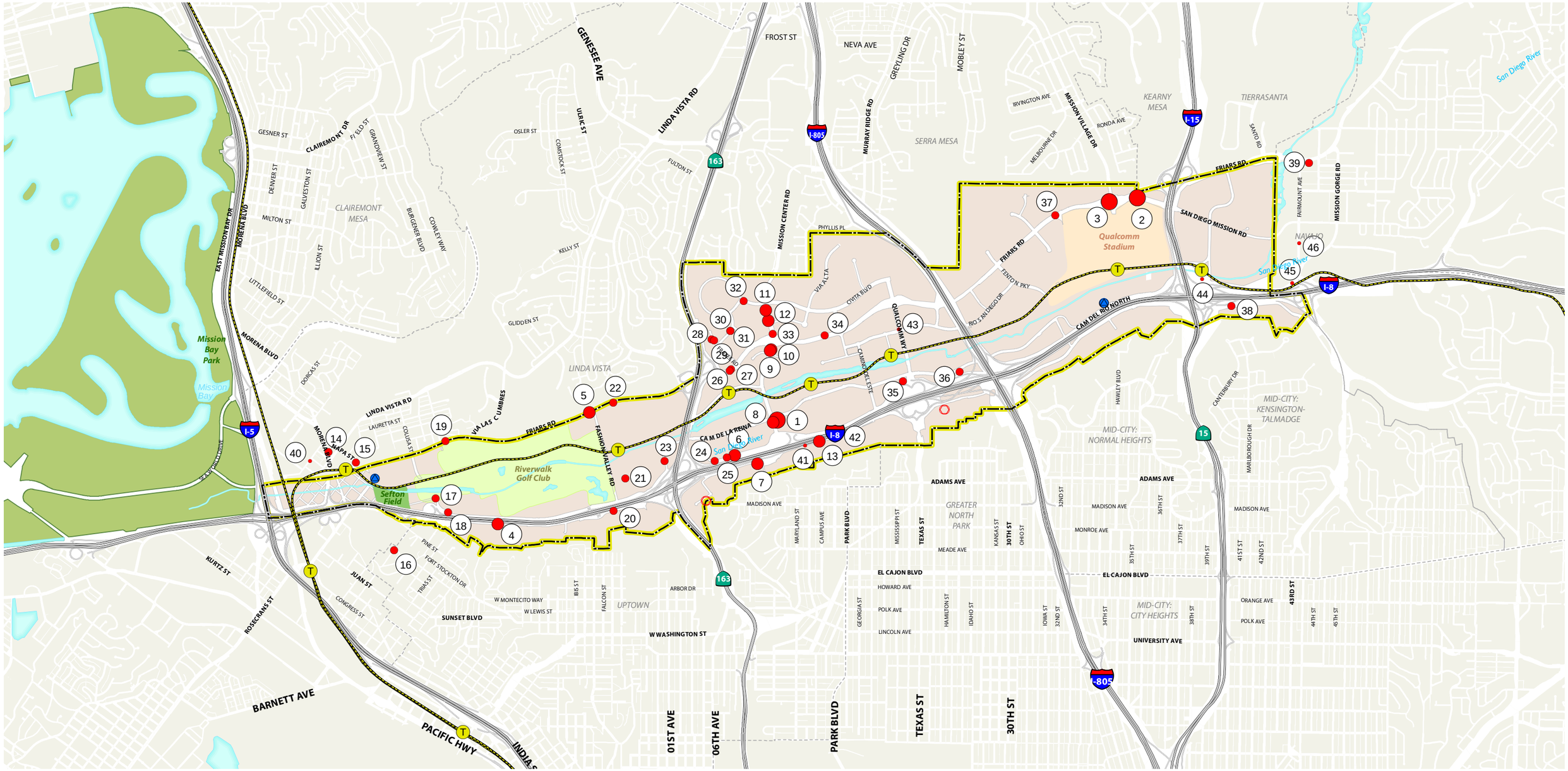
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Data Source: City of San Diego, 2015; SANGIS Regional GIS Data Warehouse, 2015. (www.sangis.org)
Dyett & Bhatia, 2015

0 2,050 4,100 8,200 FEET

Planning Area



- Trolley
- Light Rail
- Ramps Bottomline
- Mission Valley Community Plan Boundary
- Community Planning
- Sites with hazard ranking 1 (very low)
- Sites with hazard ranking 2 (low)
- Sites with hazard ranking 3 (moderate)
- Sites with hazard ranking 4 (high)
- Groundwater wells (irrigation)
- Oil and Gas wells

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Data Source: City of San Diego, 2015; SANGIS Regional GIS Data Warehouse, 2015. (www.sangis.org)
Dyett & Bhatia, 2015

0 2,050 4,100 8,200 FEET

Appendix A - Environmental Database Report

MV Community Plan Land Use Hazmat Update
San Diego, CA 92108

Inquiry Number: 4348991.2s
July 10, 2015

EDR DataMap™ Area Study

Environmental Data Resources Inc

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Shelton, CT 06484
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

SAN DIEGO, CA 92108
SAN DIEGO, CA 92108

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
LIENS 2	CERCLA Lien Information
CORRACTS	Corrective Action Report
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOT OPS	Incident and Accident Data
US BROWNFIELDS	A Listing of Brownfields Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
LEAD SMELTERS	Lead Smelter Sites
2020 COR ACTION	2020 Corrective Action Program List
PRP	Potentially Responsible Parties
EPA WATCH LIST	EPA WATCH LIST
US FIN ASSUR	Financial Assurance Information
FEDERAL FACILITY	Federal Facility Site Information listing
PCB TRANSFORMER	PCB Transformer Registration Database

US HIST CDL ---- National Clandestine Laboratory Register
COAL ASH DOE ---- Steam-Electric Plant Operation Data
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
FEMA UST ---- Underground Storage Tank Listing

STATE AND LOCAL RECORDS

CA BOND EXP. PLAN ---- Bond Expenditure Plan
CA UIC ---- UIC Listing
CA FID UST ---- Facility Inventory Database
CA LIENS ---- Environmental Liens Listing
CA CUPA Listings ---- CUPA Resources List
CA DEED ---- Deed Restriction Listing
CA VCP ---- Voluntary Cleanup Program Properties
CA WIP ---- Well Investigation Program Case List
CA CDL ---- Clandestine Drug Labs
CA HAULERS ---- Registered Waste Tire Haulers Listing
CA MWMP ---- Medical Waste Management Program Listing
CA HWP ---- EnviroStor Permitted Facilities Listing
CA HWT ---- Registered Hazardous Waste Transporter Database
CA PROC ---- Certified Processors Database

TRIBAL RECORDS

INDIAN RESERV ---- Indian Reservations
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land
INDIAN UST ---- Underground Storage Tanks on Indian Land
INDIAN VCP ---- Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

EDR MGP ---- EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are

EXECUTIVE SUMMARY

6 CERC-NFRAP sites within the searched area.

Site	Address	Map ID	Page
DALEY CORP	2400 MURPHY CYN RD	3	5
HAZARD R E INC	CABRILLO FWY & FRIAR	59	1574
MISSION CHEMICAL CO	4990 NAPLES	67	1861
SACKETT & PENDLEBURY	3630 HANCOCK ST	101	2593
DON POLLOCK EXCAVATI	3370 KURTZ ST	102	2597
BURKE CO THE 08	***3870 HOUSTON ST***	***102***	***2634***

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 15 RCRA-LQG sites within the searched area.

Site	Address	Map ID	Page
CVS PHARMACY NO 9154	10350 FRIARS RD	10	169
SHELL OIL PRODUCTS U	***9950 SAN DIEGO MISSI***	***16***	***401***
SFPP, L.P. MISSION V	9950 SAN DIEGO MISSI	16	404
MISSION VALLEY TERMI	***9950 SAN DIEGO MISSI***	***16***	***456***
POWERINE OIL CO	***9950 SAN DIEGO MISSI***	***16***	***458***
DCH HONDA OF MISSION	***5812 MISSION GORGE R***	***21***	***614***
COSTCO WHOLESALE #48	***2345 FENTON PKWY***	***29***	***892***
CVS PHARMACY #9963	5644 MISSION CENTER	35	1168
CROW HAZARD ASSOC. H	7501 FRIARS ROAD	59	1585
SDCTY-PUBLIC WORKS D	***5215 GAINES ST***	***67***	***1726***
GOODWILL INDUSTRIES	***960 SHERMAN ST***	***67***	***1769***
SHARP PATHOLOGY LABO	5325 METRO STREET	67	1826
TARGET T1410	***1288 CAMINO DEL RIO***	***70***	***2144***
CHEVRON #90158	775 HOTEL CIRCLE S	85	2401
UCSD MEDICAL CENTER	200 WEST ARBOR DRIVE	108	2772

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/10/2015 has revealed that there are 53 RCRA-SQG sites within the searched area.

Site	Address	Map ID	Page
BEST CLEANERS	***10450 FRIARS RD***	***7***	***35***
EQUILON SAN DIEGO TE	***9966 SAN DIEGO MISSI***	***16***	***226***
POWERINE OIL CO	***9950 SAN DIEGO MISSI***	***16***	***399***
MOBIL OIL CORP MISSI	9950 SAN DIEGO MISSI	16	410
PENSKE TRUCK LEASING	***4285 CAMINO DEL RIO***	***21***	***593***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
SHELL OIL CO	5820 MISSION GORGE/F	21	613
THE HOME DEPOT STORE	***5920 FAIRMOUNT AVE***	***21***	***689***
SPARKLETTS DRINKING	***5930 MISSION GORGE R***	***21***	***691***
CALIFORNIA NEON PROD	***4530 MISSION GORGE P***	***21***	***704***
AUTOMOTIVE FLEET SER	***6029 FAIRMOUNT AVE***	***21***	***762***
VISUAL SERVICES NETW	***5980 FAIRMOUNT AVE***	***21***	***773***
RADIATOR SHOP	***4343 TWAIN AVE***	***21***	***789***
AES	***4364 TWAIN ST STE 3***	***21***	***792***
SDG&E - MISSION FACI	***9060 FRIARS RD***	***31***	***934***
TEXACO SERVICE STATI	***5465 MISSION CENTER***	***35***	***1042***
FUEL OIL POLISHING C	***7850 MISSION CENTER***	***35***	***1043***
SAN DIEGO COMMUNITY	***1536 MURRAY CANYON R***	***35***	***1092***
SAN DIEGO MESA COLLE	***7250 MESA COLLEGE DR***	***35***	***1095***
TRIDENT TECHNOLOGIES	***7425 MISSION VLY RD***	***35***	***1219***
CALMAT CO MISSION VA	5745 MISSION CTR RD	35	1259
THE CENTER FOR WOMEN	***9040 FRIARS RD STE 4***	***36***	***1309***
MAX PHOTO	1640 CAMINO DEL RIO	42	1358
EXPRESSLY PORTRAITS	***1640 CAMINO DEL RIO***	***42***	***1359***
MAX PHOTO	***1640 CAMINO DEL RIO***	***42***	***1362***
INDUSTRIAL ASPHALT	***8150 FRIARS RD***	***48***	***1418***
CHEVRON STATION NO 9	2290 CAMINO DEL RIO	54	1475
VAMC OUTPATIENT CLIN	***2022 CAMINO DEL RIO***	***57***	***1559***
APADANA CLEANERS	7610 HAZARD CENTER D	62	1597
APADANA CLEANERS	***7610 HAZARD CENTER D***	***62***	***1599***
LLOYD PEST CONTROL	***935 SHERMAN ST***	***67***	***1688***
MOSSY TOYOTA	5252 LOVELOCK ST	67	1737
SMITH BROS INC	***5304 BANKS ST***	***67***	***1743***
SHERWIN-WILLIAMS CO	***5228 RILEY ST***	***67***	***1774***
TOPS CLEANERS	***855 MORENA BLVD***	***67***	***1789***
BLUE PURPOISE MARINE	***5545 GAINES ST***	***67***	***1798***
AAMCO TRANSMISSION	***5251 LINDA VISTA RD***	***67***	***1808***
SHARP PATHOLOGY LABO	***5325 METRO STREET***	***67***	***1823***
ASTRO SIGN CO	***4941 PACIFIC HWY STE***	***67***	***1837***
WITT LINCOLN MERCURY	***588 CAMINO DEL RIO N***	***70***	***1999***
BOB BAKER FORD CHRYS	***730 CAMINO DEL RIO N***	***70***	***2004***
COURTESY CHEVROLET	***750 CAMINO DEL RIO N***	***70***	***2026***
TARGET STORE T1410	1288 CAMINO DEL RIO	70	2132
SEPHORA STORE 36 FAS	***7007 FRIARS ROAD***	***73***	***2207***
UNION TRIBUNE PUBLIS	***350 CAMINO DE LA REI***	***79***	***2235***
GLEN CLEANERS	***3190 ADAMS***	***83***	***2309***
MIDWAY JEEP CHRYSLER	***777 CAMINO DEL RIO S***	***84***	***2342***
USNAVY ELECTRONICS S	4635 PACIFIC HIGHWAY	99	2571
CLIFF BROWN AUTOMOTI	***4491 PARK BLVD***	***100***	***2580***
BURKE CO THE 08	***3870 HOUSTON ST***	***102***	***2634***
MIDAS MUFFLER SHOP	***3848 CAMINO DEL RIO***	***104***	***2657***
NIELSON CONSTRUCTION	***3127 JEFFERSON***	***104***	***2694***
SAM LEE AUTO REPAIR	***724 W WASHINGTON***	***122***	***2841***
PACIFIC SERVICES CO	***4085 PACIFIC HWY***	***130***	***2862***

EXECUTIVE SUMMARY

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/10/2015 has revealed that there are 9 RCRA NonGen / NLR sites within the searched area.

Site	Address	Map ID	Page
AZTEC OIL	***6200 FAIRMOUNT AVE***	***10***	***101***
TOSCO CORPORATION, S	***9950 SAN DIEGO MISSI***	***16***	***398***
SAN DIEGO NISSAN	***5812 N FAIRMOUNT***	***21***	***609***
COSTCO WHOLESALE NO	***2345 N MISSION CITY***	***29***	***891***
CHEVRON STA NO 90091	7698 FRIARS RD	35	970
FRAZEE PAINT	***5448 MISSION CTR RD***	***35***	***1010***
STADIUM CLEANERS	***5694 MISSION CTR RD***	***35***	***1185***
WARREN WEST CONSTRUC	***2667 CAMINO DEL RIO***	***57***	***1538***
CARTER COLLISION SER	1441 S CAMINO DEL RI	70	2056

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 03/30/2015 has revealed that there are 104 ERNS sites within the searched area.

Site	Address	Map ID	Page
Not reported	9955 SAN DIEGO MISSI	16	206
Not reported	9966 SAN DIEGO MISS	16	206
Not reported	9966 SAN DIEGO MISSI	16	225
Not reported	9966 SAN DIEGO MISSI	16	232
Not reported	9966 SAN DIEGO MISSI	16	232
Not reported	9966 SAN DIEGO MISSI	16	233
Not reported	9966 SAN DIEGO MISSI	16	234
Not reported	9950 SAN DIEGO MISSI	16	244
Not reported	9950 SAN DIEGO MISSI	16	244
Not reported	9950 SAN DIEGO MISSI	16	248
Not reported	9950 SAN DIEGO MISSI	16	248
Not reported	9950 SAN DIEGO MISSI	16	249
Not reported	9950 SAN DIEGO MISSI	16	249
Not reported	9950 SAN DIEGO MISSI	16	249
Not reported	9950 SAN DIEGO MISSI	16	386
Not reported	9950 SAN DIEGO MISSI	16	386
Not reported	9950 SAN DIEGO MISSI	16	386
Not reported	9950 SAN DIEGO MISSI	16	387
Not reported	9950 SAN DIEGO MISSI	16	387
Not reported	9950 SAN DIEGO MISSI	16	387
Not reported	9950 SAN DIEGO MISSI	16	387
Not reported	9950 SAN DIEGO MISSI	16	387
Not reported	9950 SAN DIEGO MISSI	16	388
Not reported	9950 SAN DIEGO MISSI	16	388
Not reported	9950 SAN DIEGO MISSI	16	388
Not reported	9950 SAN DIEGO MISSI	16	388
Not reported	9950 SAN DIEGO MISSI	16	388
Not reported	9950 SAN DIEGO MISSI	16	389

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
Not reported	9950 SAN DIEGO MISSI	16	389
Not reported	9950 SAN DIEGO MISSI	16	389
Not reported	9950 SAN DIEGO MISSI	16	389
Not reported	9950 SAN DIEGO MISSI	16	389
Not reported	9950 SAN DIEGO MISSI	16	390
Not reported	9950 SAN DIEGO MISSI	16	390
Not reported	9950 SAN DIEGO MISSI	16	390
Not reported	9950 SAN DIEGO MISSI	16	390
Not reported	9950 SAN DIEGO MISSI	16	390
Not reported	9950 SAN DIEGO MISSO	16	391
Not reported	9950 SAN DIEGO MISSI	16	392
Not reported	9950 SAN DIEGO MISSI	16	394
Not reported	9950 SAN DIEGO MISSI	16	395
Not reported	9950 SAN DIEGO MISSI	16	395
Not reported	9950 SAN DIEGO MISSI	16	395
Not reported	9950 SAN DIEGO MISSI	16	395
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Not reported	9950 SAN DIEGO MISSI	16	396
Not reported	9950 SAN DIEGO MISSI	16	396
Not reported	9950 SAN DIEGO MISSI	16	397
Not reported	9950 SAN DIEGO MISSI	16	397
Not reported	9950 SAN DIEGO MISSI	16	397
Not reported	9950 SAN DIEGO MISSI	16	397
Not reported	9950 SAN DIEGO MISSI	16	397
Not reported	9950 SAN DIEGO MISSI	16	455
Not reported	9950 SAN DIEGO MISSI	16	455
Not reported	9950 SAN DIEGO MISSI	16	455
Not reported	9950 SAN DIEGO MISSO	16	456
Not reported	9950 SAN DIEGO MISSI	16	456
Not reported	9950 SAN DIEGO MISSI	16	459
Not reported	9950 SAN DIEGO MISSI	16	459
Not reported	9950 SAN DIEGO MISSO	16	459
Not reported	9950 SAN DIEGO MISSI	16	498
Not reported	9950 SAN DIEGO MISSI	16	498
Not reported	9950 SAN DIEGO MISSI	16	498
Not reported	9950 SAN DIEGO MISSI	16	499
Not reported	9950 SAN DIEGO MISSI	16	499
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Not reported	9950 SAN DIEGO MISSI	16	501
Not reported	9950 SAN DIEGO MISSI	16	501
Not reported	9950 SAN DIEGO MISSI	16	502
Not reported	9950 SAN DIEGO MISSI	16	502
Not reported	9950 SAN DIEGO MISSI	16	502

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
Not reported	9950 SAN DIEGO MISSI	16	502
Not reported	9950 SAN DIEGO MISSI	16	502
Not reported	9950 SAN DIEGO MISSI	16	503
Not reported	9950 SAN DIEGO MISSI	16	503
Not reported	9950 SAN DIEGO MISSI	16	503
Not reported	9950 SAN DIEGO MISSI	16	503
Not reported	9950 SAN DIEGO MISSI	16	503
Not reported	9770 FRIARS RD	16	504
Not reported	9500 SAN DIEGO MISSI	18	506
Not reported	9550 SAN DIEGO MISSI	18	506
Not reported	4285 CAMINO DEL RIO	21	563
Not reported	9449 FRIARS ROAD	25	830
Not reported	2667 CAMINO DEL RIO	54	1492
Not reported	7676 HAZARD CENTER R	62	1613
Not reported	911 CAMINO DEL RIO S	70	1982
Not reported	5050 MISSION CENTER	70	2156
Not reported	6596 FRIARS ROAD	72	2199
Not reported	6596 FRIARS ROAD	72	2199
Not reported	350 CAMINO DELA REIN	79	2235
Not reported	550 MORENA BLVD	98	2545

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 03/30/2015 has revealed that there are 4 HMIRS sites within the searched area.

Site	Address	Map ID	Page
Not reported	9966 SAN DIEGO MISSI	16	225
9950 SAN DIEGO MISSI	9950 SAN DIEGO MISSI	16	334
Not reported	9950 SAN DIEGO MISSI	16	498
Not reported	FASHION VALLEY & FRI	69	1915

US CDL: A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

A review of the US CDL list, as provided by EDR, and dated 02/25/2015 has revealed that there is 1 US CDL site within the searched area.

Site	Address	Map ID	Page
875 HOTEL S CIR	875 HOTEL S CIR	85	2364

EXECUTIVE SUMMARY

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within the searched area.

Site	Address	Map ID	Page
MIRAMAR NAVAL AIR ST		0	4

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, and dated 12/30/2014 has revealed that there is 1 US MINES site within the searched area.

Site	Address	Map ID	Page
CALMAT CO		35	1266

FTTS: FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 04/09/2009 has revealed that there are 9 FTTS sites within the searched area.

Site	Address	Map ID	Page
JACK MURPHY STADIUM	***9449 FRIARS RD***	***25***	***835***
RALPH'S	***5680 MISSION CENTER***	***35***	***1179***
RALPH'S	5680 MISSION CENTER	35	1181
R A SNYDER PROPERTIE	***2399 CAMINO DEL RIO***	***54***	***1491***
SAN DIEGO APARTMENTS	***2878 CAMINO DEL RIO***	***56***	***1509***
CETHRON PROPERTY MAN	2835 CAMINO DEL RIO	57	1566
BULLOCK'S MISSION VA	1555 COMINO DE LA RE	65	1664
ENVIRONMENTAL COMPLI	***BOX 16555***	***70***	***2169***
ATLAS HOTEL/KINGS IN	***1333 HOTEL CIRCLE***	***85***	***2375***

HIST FTTS: A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

A review of the HIST FTTS list, as provided by EDR, and dated 10/19/2006 has revealed that there are 7 HIST FTTS sites within the searched area.

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
JACK MURPHY STADIUM	***9449 FRIARS RD***	***25***	***835***
RALPH'S	***5680 MISSION CENTER***	***35***	***1179***
RALPH'S	5680 MISSION CENTER	35	1181
R A SNYDER PROPERTIE	***2399 CAMINO DEL RIO***	***54***	***1491***
SAN DIEGO APARTMENTS	***2878 CAMINO DEL RIO***	***56***	***1509***
ENVIRONMENTAL COMPLI	***BOX 16555***	***70***	***2169***
ATLAS HOTEL/KINGS IN	***1333 HOTEL CIRCLE***	***85***	***2375***

ICIS: The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

A review of the ICIS list, as provided by EDR, and dated 01/23/2015 has revealed that there is 1 ICIS site within the searched area.

Site	Address	Map ID	Page
UCSD MEDICAL CENTER	***200 W ARBOR DR***	***108***	***2768***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 01/18/2015 has revealed that there are 88 FINDS sites within the searched area.

Site	Address	Map ID	Page
BEST CLEANERS	***10450 FRIARS RD***	***7***	***35***
AZTEC OIL	***6200 FAIRMOUNT AVE***	***10***	***101***
EQUILON SAN DIEGO TE	***9966 SAN DIEGO MISSI***	***16***	***226***
KINDER MORGAN MISSIO	9960 SAN DIEGO MISSI	16	234
SHELL OIL PRODUCTS U	9950 SAN DIEGO MISSI	16	391
KINDER MORGAN MV TER	9950 SAN DIEGO MISSI	16	392
EQUILON INTERPRISES	9950 SAN DIEGO MISSI	16	393
EXXONMOBIL OIL CORP	9950 SAN DIEGO MISSI	16	394
POWERINE OIL CO	***9950 SAN DIEGO MISSI***	***16***	***458***
PENSKE TRUCK LEASING	***4285 CAMINO DEL RIO***	***21***	***593***
BODY BEAUTIFUL CAR W	***4282 CAMINO DEL RIO***	***21***	***599***
SAN DIEGO NISSAN	***5812 N FAIRMOUNT***	***21***	***609***
DCH HONDA OF MISSION	***5812 MISSION GORGE R***	***21***	***614***
HONDA MISSION VALLEY	***5812 MISSION GORGE R***	***21***	***617***
THE HOME DEPOT STORE	***5920 FAIRMOUNT AVE***	***21***	***689***
SPARKLETTS DRINKING	***5930 MISSION GORGE R***	***21***	***691***
CALIFORNIA NEON PROD	***4530 MISSION GORGE P***	***21***	***704***
AUTOMOTIVE FLEET SER	***6029 FAIRMOUNT AVE***	***21***	***762***
VISUAL SERVICES NETW	***5980 FAIRMOUNT AVE***	***21***	***773***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
RADIATOR SHOP	***4343 TWAIN AVE***	***21***	***789***
AES	***4364 TWAIN ST STE 3***	***21***	***792***
JACK MURPHY STADIUM	9449 FRIARS RD	25	829
LOWE'S #1013	2318 NORTHSIDE DR	27	871
COSTCO WHOLESALE INC	FENTON MARKET PL	29	890
COSTCO WHOLESALE NO	***2345 N MISSION CITY***	***29***	***891***
COSTCO WHOLESALE #48	***2345 FENTON PKWY***	***29***	***892***
SDG&E - MISSION FACI	***9060 FRIARS RD***	***31***	***934***
CHEVRON STATION NO 9	7698 FRIARS RD	35	993
FRAZEE PAINT	***5448 MISSION CTR RD***	***35***	***1010***
TEXACO SERVICE STATI	***5465 MISSION CENTER***	***35***	***1042***
FUEL OIL POLISHING C	***7850 MISSION CENTER***	***35***	***1043***
MOBIL #18 G6F 12721	***5494 MISSION CENTER***	***35***	***1056***
FOUNDATION HIGH SCHO	1536 FRAZEE RD #200	35	1092
SAN DIEGO COMMUNITY	***1536 MURRAY CANYON R***	***35***	***1092***
SAN DIEGO MESA COLLE	***7250 MESA COLLEGE DR***	***35***	***1095***
CVS PHARMACY #9963	5644 MISSION CENTER	35	1167
VERIZON WIRELESS: H	5664 MISSION CENTER	35	1174
RALPH'S	5680 MISSION CENTER	35	1174
RALPHS GROCERY #77	5680 MISSION CENTER	35	1175
STADIUM CLEANERS	***5694 MISSION CTR RD***	***35***	***1185***
TRIDENT TECHNOLOGIES	***7425 MISSION VLY RD***	***35***	***1219***
VULCAN MISSION VALLE	5745 MISSION CENTER	35	1262
MISSION VALLEY HEIGH	7485 MISSION VALLEY	35	1281
THE CENTER FOR WOMEN	***9040 FRIARS RD STE 4***	***36***	***1309***
HANSON AGGREGATES PA	5785 MISSION CENTER	38	1325
EXPRESSLY PORTRAITS	***1640 CAMINO DEL RIO***	***42***	***1359***
MAX PHOTO	***1640 CAMINO DEL RIO***	***42***	***1362***
VA SAN DIEGO - MISSI	8810 RIO SAN DIEGO D	42	1397
INDUSTRIAL ASPHALT	***8150 FRIARS RD***	***48***	***1418***
REAL ENERGY INC	3111 CAMINO	49	1427
SDCTY-PUD, PUMP STAT	2949 CAMINO DEL RIO	52	1467
WARREN WEST CONSTRUC	***2667 CAMINO DEL RIO***	***57***	***1538***
VAMC OUTPATIENT CLIN	***2022 CAMINO DEL RIO***	***57***	***1559***
APADANA CLEANERS	***7610 HAZARD CENTER D***	***62***	***1599***
FOOD 4 LESS #333	7730 HAZARD CENTER D	62	1617
LLOYD PEST CONTROL	***935 SHERMAN ST***	***67***	***1688***
SDCTY-PUBLIC WORKS D	***5215 GAINES ST***	***67***	***1726***
SMITH BROS INC	***5304 BANKS ST***	***67***	***1743***
GOODWILL INDUSTRIES	***960 SHERMAN ST***	***67***	***1769***
SHERWIN-WILLIAMS CO	***5228 RILEY ST***	***67***	***1774***
TOPS CLEANERS	***855 MORENA BLVD***	***67***	***1789***
BLUE PURPOISE MARINE	***5545 GAINES ST***	***67***	***1798***
AAMCO TRANSMISSION	***5251 LINDA VISTA RD***	***67***	***1808***
SHARP PATHOLOGY LABO	***5325 METRO STREET***	***67***	***1823***
ASTRO SIGN CO	***4941 PACIFIC HWY STE***	***67***	***1837***
FASHION VALLEY ARCO	***6899 FRIARS RD***	***69***	***1904***
FIRESTONE STORE 22F2	6977 FRIARS RD STE 1	69	1937
ARCO #03037 A S INVE	915 CAMINO DEL RIO S	70	1968
SAN DIEGO AUTO AUCTI	588 CAMINO DEL RIO N	70	2002
BOB BAKER FORD CHRYS	***730 CAMINO DEL RIO N***	***70***	***2004***
COURTESY CHEVROLET	***750 CAMINO DEL RIO N***	***70***	***2026***
MARVIN K BROWN AUTO	1441 CAMINO DEL RIO	70	2064
JOHN HINE MAZDA	1545 CAMINO DEL RIO	70	2096
JOHN HINE AUTO AND T	1545 CAMINO DEL RIO	70	2096
TARGET T1410	***1288 CAMINO DEL RIO***	***70***	***2144***

Site	Address	Map ID	Page
SEPHORA STORE 36 FAS	7007 FRIARS ROAD	73	2210
CELLCO - MISSION VAL	591 CAMINO DE LA REI	75	2218
UNION TRIBUNE PUBLIS	***350 CAMINO DE LA REI***	***79***	***2235***
GLEN CLEANERS	***3190 ADAMS***	***83***	***2309***
MIDWAY JEEP CHRYSLER	777 CAMINO DEL RIO S	84	2352
CHEVRON #90158	775 HOTEL CIRCLE S	85	2392
CHEVRON #90158	755 HOTEL C	85	2403
CHEVRON STATION NO 9	755 HOTEL CIRCLE SOU	85	2404
BURKE CO THE 08	***3870 HOUSTON ST***	***102***	***2634***
NIELSON CONSTRUCTION	***3127 JEFFERSON***	***104***	***2694***
UCSD MEDICAL CENTER	***200 W ARBOR DR***	***108***	***2768***
SAM LEE AUTO REPAIR	***724 W WASHINGTON***	***122***	***2841***
PACIFIC SERVICES CO	***4085 PACIFIC HWY***	***130***	***2862***

US AIRS: The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

A review of the US AIRS list, as provided by EDR, and dated 10/16/2014 has revealed that there is 1 US AIRS site within the searched area.

Site	Address	Map ID	Page
TOSCO CORPORATION, S	***9950 SAN DIEGO MISSI***	***16***	***398***

STATE AND LOCAL RECORDS

CA HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the CA HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 CA HIST Cal-Sites site within the searched area.

Site	Address	Map ID	Page
SAN DIEGO NISE-WEST	***4297 PACIFIC COAST H***	***114***	***2799***

CA SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category. depending on the level of threat to public health and safety or the. environment they pose.

A review of the CA SCH list, as provided by EDR, and dated 05/04/2015 has revealed that there are 2

CA SCH sites within the searched area.

Site	Address	Map ID	Page
CARSON ELEMENTARY SC Facility Id: 60000009 Status: Inactive - Needs Evaluation	***6905 KRAMER STREET***	***46***	***1411***
NORMAL HEIGHTS ES Facility Id: 37650011 Status: Certified	***MOUNTAIN VIEW DRIVE/***	***91***	***2491***

CA Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the CA Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 CA Toxic Pits site within the searched area.

Site	Address	Map ID	Page
TRULY NOLEN EXTERMIN Task #: 89008 Status: CLOSED Closure Date: 03/20/90	5909 MISSION GORGE R	21	662

CA SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the CA SWF/LF list, as provided by EDR, and dated 05/18/2015 has revealed that there are 4 CA SWF/LF sites within the searched area.

Site	Address	Map ID	Page
ADMIRAL BAKER GOLF C Regulation Status: Pre-regulations Operational Status: Closed Facility ID: 37-CR-0002	2400 BLK ADMIRAL BAK	11	171
MURRAY CANYON BURNSI Regulation Status: Pre-regulations Operational Status: Closed Facility ID: 37-CR-0051	ESCONDIDO AVE., OFF	12	171
CAMP KEARNY MESA Regulation Status: Pre-regulations Operational Status: Closed Facility ID: 37-CR-0090	6521 LINDA VISTA ROA	58	1572
GRANT K8 SCHOOL PHAS Regulation Status: Unpermitted Operational Status: Closed Facility ID: 37-CR-0126	***1425 WASHINGTON PLAC***	***124***	***2853***

CA WDS: California Water Resources Control Board - Waste Discharge System.

A review of the CA WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 7 CA WDS sites within the searched area.

Site	Address	Map ID	Page
EQUILON SAN DIEGO TE Facility Status: A Facility Id: 9 37I014499	9966 SAN DIEGO MISSI	16	233
EQUILON MISSION VALL Facility Status: A Facility Id: 9 37I015590	***9950 SAN DIEGO MISSI***	***16***	***249***
MISSION VALLEY TERMI Facility Status: A Facility Id: 9 000000506	***9950 SAN DIEGO MISSI***	***16***	***456***
SFPP LP Facility Status: A Facility Id: 9 37I018788	***9950 SAN DIEGO MISSI***	***16***	***468***
MISSION VALLEY PLANT Facility Status: A Facility Id: 9 000000630	***9300 FRIARS RD***	***19***	***517***
MISSION VALLEY PLANT Facility Status: A Facility Id: 9 000000260	5745 MISSION CENTER	35	1261
CAMINO DEL RIO MAINT Facility Status: A Facility Id: 9 000000995	2915 CAMINO DEL RIO	56	1514

CA NPDES: A listing of NPDES permits, including stormwater.

A review of the CA NPDES list, as provided by EDR, and dated 05/18/2015 has revealed that there are 22 CA NPDES sites within the searched area.

Site	Address	Map ID	Page
MAXIM CRANE WORKS Facility Status: Terminated	***6232 FAIRMOUNT AVENU***	***10***	***114***
SHELL OIL PROD US EQ	9966 SAN DIEGO MISSI	16	208
MISSION VALLEY BULK Facility Status: Active	***9950 SAN DIEGO MISSI***	***16***	***413***
FIRE STATION 45 Facility Status: Active	9366 FRIARS ROAD	19	557
CALIFORNIA NEON PROD Facility Status: Active	***4530 MISSION GORGE P***	***21***	***704***
SAN DIEGO RIVER WETL	9449 FRIARS ROAD	25	836
SAN DIEGO GAS & ELEC Facility Status: Terminated	***9060 FRIARS RD***	***31***	***943***
SAN DIEGO MESA COLLE Facility Status: Terminated Facility Status: Active	***7250 MESA COLLEGE DR***	***35***	***1095***
MISSION VALLEY Facility Status: Terminated	***5745 MISSION CENTER***	***35***	***1248***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
MISSION CONTROL PROJ	9060 FRIARS ROAD	36	1318
HAZARD CENTER DR WES	***7450 HAZARD CENTER D***	***62***	***1588***
Facility Status: Active			
USD CUNNINGHAM FIELD	***5998 ALCALA PARK***	***64***	***1631***
Facility Status: Terminated			
SAN DIEGO VESSEL MAI	***4990 NAPLES STREET***	***67***	***1866***
Facility Status: Active			
CAMINO DEL RIO MIXED	***730 CAMINO DEL RIO N***	***70***	***2017***
Facility Status: Active			
VAGABOND INN	***625 HOTEL CIR***	***85***	***2420***
Facility Status: Active			
ATLAS HOTELS EXHIBIT	500 HOTEL CIRCLE NOR	85	2438
HOMEWOOD SUITE	445 CAMINO DEL RIO S	93	2497
Facility Status: Active			
CROSS RD PHASE 1	480 CAMINO DEL RIO S	93	2501
AUTOMOBILE CLUB MISS	2432 HOTEL CIRCLE PL	95	2542
BURKE CO THE 08	***3870 HOUSTON ST***	***102***	***2634***
Facility Status: Active			
NRC ENVIRONMENTAL SE	***2950 KURTZ ST***	***104***	***2645***
Facility Status: Active			
GRANT K8 SCHOOL PHAS	***1425 WASHINGTON PLAC***	***124***	***2853***
Facility Status: Active			

CA Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the CA Cortese list, as provided by EDR, and dated 03/10/2015 has revealed that there are 2 CA Cortese sites within the searched area.

Site	Address	Map ID	Page
TOWN & COUNTRY HOTEL	***500 HOTEL CIR***	***85***	***2461***
SAN DIEGO NISE-WEST	***4297 PACIFIC COAST H***	***114***	***2799***
Envirostor Id: 37970022			
Cleanup Status: ACTIVE			

CA HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the CA HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 120 CA HIST CORTESE sites within the searched area.

Site	Address	Map ID	Page
SMOG PROS #1761	***2696 MISSION VILLAGE***	***6***	***24***
Reg Id: 9UT1043			
TEXACO	***6605 MISSION GORGE R***	***7***	***42***
Reg Id: 9UT1799			
Reg Id: 9UT2583			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
KAISER FOUNDATION HO	***4647 ZION AV***	***8***	***54***
Reg Id: 9UT3837			
Reg Id: 2687			
KAISER MEDICAL OFFIC	***4405 VANDEVER AV***	***10***	***89***
Reg Id: 9UT804			
PACIFIC PEBBLES INCO	***6267 RIVERDALE ST***	***10***	***128***
Reg Id: 9UT499			
ACTION COURIER	***4445 GLACIER***	***10***	***134***
Reg Id: 9UT736			
SWAIN OIL	***4421 GLACIER AV***	***10***	***137***
Reg Id: 9UT2331			
THRIFTY SERVICE STAT	***6404 MISSION GORGE R***	***10***	***155***
Reg Id: 9UT563			
Reg Id: 9 000216N88			
FRIARS ROAD UNOCAL 7	***10385 FRIARS RD***	***10***	***162***
Reg Id: 9UT2743			
SFPP, LP/KINDER MORG	***9950 SAN DIEGO MISSI***	***16***	***334***
Reg Id: 9 000054N91			
Reg Id: 9 000055N91			
Reg Id: 9 000056N91			
Reg Id: 9 000057N91			
TEXACO USA SALES TER	9966 MISSION	16	504
Reg Id: 9UT542			
MISSION VALLEY PLANT	***9300 FRIARS RD***	***19***	***525***
Reg Id: 9UT2493			
Reg Id: 9UT3137			
CLASS 2 SOIL TRTMENT	***9310 FRIARS RD***	***19***	***542***
Reg Id: 9UT2950			
Reg Id: 9 000000628			
LEASEWAY TRANSPORTAT	4285 CAMINO DEL RIO	21	595
Reg Id: 9UT396			
SAN DIEGO NISSAN	***5812 N FAIRMOUNT***	***21***	***609***
Reg Id: 9UT847			
CUSH HONDA	***5812 MISSION GORGE R***	***21***	***618***
Reg Id: 9UT3660			
SHELL SERVICE STATIO	***5820 MISSION GORGE***	***21***	***637***
Reg Id: 9UT482			
TIRES PLUS	***5805 MISSION GORGE R***	***21***	***644***
Reg Id: 9UT406			
ROSE TOYOTA	***5910 MISSION GORGE R***	***21***	***663***
Reg Id: 9UT3666			
Reg Id: 9UT3034			
SAPPER CONSTRUCTION	***5927 MISSION GORGE R***	***21***	***685***
Reg Id: 9UT1448			
SPARKLETTS DRINKING	***5930 MISSION GORGE R***	***21***	***691***
Reg Id: 9UT905			
SCHMID INSULATION CO	***4555 MISSION GORGE P***	***21***	***701***
Reg Id: 9UT990			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
CALIFORNIA NEON PROD Reg Id: 9UT2944	***4530 MISSION GORGE P***	***21***	***704***
BILL GINOS CHEVRON Reg Id: 9UT3850	***6011 MISSION GORGE R***	***21***	***728***
MISSION GORGE TEXACO Reg Id: 9UT1104	***6075 MISSION GORGE R***	***21***	***777***
FORMER ARCO Reg Id: 9UT1872	***6110 MISSION GORGE R***	***21***	***795***
HOUSE OF CARS Reg Id: 9UT679	***6101 MISSION GORGE R***	***21***	***809***
CHEVRON SERVICE STAT Reg Id: 9UT94	***4525 WARING RD***	***23***	***814***
DYTRON/FORMER GOLDEN Reg Id: 9UT2955	***6901 LINDA VISTA ROA***	***26***	***865***
SULLIVAN UNITED Reg Id: 9UT3485	4660 ALVARADO CNYN	32	948
CHEVRON / FRIARS RD Reg Id: 9UT2612	***7698 FRIARS RD***	***35***	***972***
MISSION CENTER TEXAC Reg Id: 9UT1516	***5465 MISSION CENTER***	***35***	***1047***
MOBIL SERVICE STATIO Reg Id: 9UT1039	***5494 MISSION CENTER***	***35***	***1075***
SAN DIEGO MESA COLLE Reg Id: 9UT2660	***7250 MESA COLLEGE DR***	***35***	***1095***
UNITED STATES RENTAL Reg Id: 9UT1857 Reg Id: 9UT558	***1544 FRAZEE***	***35***	***1143***
CARSON ELEMENTARY SC Reg Id: 9UT1002	***6905 KRAMER STREET***	***46***	***1411***
INDUSTRIAL ASPHALT Reg Id: 9UT1675	***8150 FRIARS RD***	***48***	***1418***
7-ELEVEN Reg Id: 9UT2641	***6615 LINDA VISTA***	***50***	***1436***
TST Reg Id: 9UT2471	***6619 LINDA VISTA RD***	***50***	***1449***
SKEETERS AUTOMOTIVE Reg Id: 9UT1015	***6705 LINDA VISTA RD***	***50***	***1462***
MISSION VALLEY CHEVR Reg Id: 9UT2965	2290 CAMINO DEL RIO	54	1490
R. E. HAZARD Reg Id: 9UT405	***7501 FRIARS RD***	***59***	***1575***
UNIVERSITY OF SAN DI Reg Id: 9UT357	***5998 LINDA VISTA RD***	***63***	***1630***
RUDLUFF, CAROLINE M. Reg Id: 6A189103N51	5052 34TH	66	1664
SEARS WAREHOUSE Reg Id: 9UT922	***5258 ANNA AVE***	***67***	***1667***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
CARL'S BAR SUPPLIES Reg Id: 9UT85	***880 SHERMAN ST***	***67***	***1669***
WALKER SCOTT COMPANY Reg Id: 9UT466	***908 SHERMAN ST***	***67***	***1677***
FLORENTINE CO Reg Id: 9UT920	***5353 BANKS ST***	***67***	***1684***
LLOYD PEST CONTROL Reg Id: 9UT251	***935 SHERMAN ST***	***67***	***1688***
S.D.P.D. WESTERN DIV Reg Id: 9UT759	***5212 GAINES***	***67***	***1727***
CUBIC Reg Id: 9UT79	52255255 LOVELOCK ST	67	1731
COMMERCIAL FACILITIE Reg Id: 9UT1736	***5260 GAINES ST***	***67***	***1740***
ANTHONY'S FISH GROTT Reg Id: 9UT13	***5232 LOVELOCK ST***	***67***	***1762***
SEARS LOGISTICS SERV Reg Id: 9UT465	***960 SHERMAN ST***	***67***	***1766***
HOBART CORPORATION Reg Id: 9UT602	***5390 NAPA ST***	***67***	***1781***
PAPER RECOVERY OF SA Reg Id: 9UT1845	***5222 LOVELOCK ST***	***67***	***1799***
SO-LUMINAIRE Reg Id: 9UT670	***4909 PACIFIC***	***67***	***1808***
BAY PARK TOWING Reg Id: 9UT1058	***915 MORENA BL***	***67***	***1816***
EJR PLASTICS Reg Id: 9UT255	4901 PACIFIC	67	1821
COCA COLA BOTTLING C Reg Id: 9UT1673	***5330 LINDA VISTA RD***	***67***	***1831***
J. P. WITHEROW ROOFI Reg Id: 9UT223	***1001 MORENA***	***67***	***1845***
ULTRAMAR STATION #1- Reg Id: 9UT2412	***1083 MORENA BL***	***67***	***1847***
MISSION BAY AUTOMOTI Reg Id: 9UT1566	***1125 MORENA BLVD***	***67***	***1852***
SAN DIEGO VESSEL MAI Reg Id: 9UT2181 Reg Id: 37510124	***4990 NAPLES STREET***	***67***	***1866***
FASHION VALLEY ARCO Reg Id: 9UT2722 Reg Id: 9UT3116	***6899 FRIARS RD***	***69***	***1879***
ATLANTIC RICHFIELD Reg Id: 9UT1098	915 CAMINO DEL RIO	70	1952
TOWNSEND LINCOLN MER Reg Id: 9UT600 Reg Id: 9UT2178	588 CAMINO DEL RIO	70	2002

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
BOB BAKER FORD CHRYS	***730 CAMINO DEL RIO N***	***70***	***2004***
Reg Id: 9UT297			
COURTESY CHEVROLET	***750 CAMINO DEL RIO N***	***70***	***2026***
Reg Id: 9UT3214			
MARVIN K BROWN CADIL	***1441 CAMINO DEL RIO***	***70***	***2048***
Reg Id: 9UT2257			
Reg Id: 9UT3791			
Reg Id: 9UT1558			
JOHN HINE MAZDA	***1545 CAMINO DEL RIO***	***70***	***2096***
Reg Id: 9UT1392			
UNOCAL SERV STATION	***5050 MISSION CENTER***	***70***	***2156***
Reg Id: 9UT2678			
HANDLERY HOTEL & COU	***5900 FRIARS RD***	***77***	***2227***
Reg Id: 9UT1028			
COPLEY PRESS	***350 CAMINO DE LA REI***	***79***	***2234***
Reg Id: 9UT614			
UNION TRIBUNE PUBLIS	***350 CAMINO DE LA REI***	***79***	***2235***
Reg Id: 9UT3509			
VALERO STATION #3741	***3150 ADAMS AV***	***83***	***2285***
Reg Id: 9UT236			
ADAM AUTO REPAIR	***3250 ADAMS AV***	***83***	***2319***
Reg Id: 9UT2280			
TREVELLYAN OLDSMOBIL	777 CAMINO DEL RIO	84	2355
Reg Id: 9UT2297			
PRESIDENTIAL LIMOUSI	2085 HOTEL	85	2366
Reg Id: 9UT1544			
CHEVRON STATION #9-0	***755 HOTEL CIRCLE S***	***85***	***2395***
Reg Id: 9UT3944			
ATLAS HOTEL	504 HOTEL	85	2439
Reg Id: 9UT1406			
FIRESTONE TIRE AND R	***140 FASHION VALLEY***	***85***	***2441***
Reg Id: 9UT222			
TOWN & COUNTRY RESOR	500 HOTEL	85	2466
Reg Id: 9 000308N98			
EURO CAR SERVICE	***2821 ADAMS AV***	***86***	***2468***
Reg Id: 9UT336			
NYSCO MOTORS	***2101 MAIN ST***	***88***	***2473***
Reg Id: 9UT66			
RUDI LUSTI INC.	4664 PARK	90	2483
Reg Id: 9UT1074			
PEREZ BOX CO AT0118	***1924 ADAMS AV***	***90***	***2487***
Reg Id: 9UT352			
5-STAR MOBIL AUTO RE	***4616 TEXAS ST***	***94***	***2503***
Reg Id: 9UT3550			
Reg Id: 9UT861			
EXXON SERVICE STATIO	2432 HOTEL	95	2544
Reg Id: 9UT696			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
OLD TOWN STATE PARK Reg Id: 9UT806	***4005 TAYLOR ST***	***99***	***2547***
SAN DIEGO TRUST AND Reg Id: 9UT986	***4606 PACIFIC HWY***	***99***	***2549***
CALTRANS Reg Id: 9UT3560	***4050 TAYLOR***	***99***	***2552***
CALTRANS/MOTOR POOL Reg Id: 1THU038 Reg Id: 1THU684	***4050 TAYLOR ST***	***99***	***2553***
CALTRANS MSW CON/IND Reg Id: 9 000000793	***2829 JUAN ST***	***99***	***2557***
G.B. SALES Reg Id: 9UT2986	***4441 PARK BL***	***100***	***2577***
CLIFF BROWN AUTOMOTI Reg Id: 9UT3945	***4491 PARK BLVD***	***100***	***2580***
SHOREBREAK Reg Id: 9UT1519	***3612 KURTZ ST***	***101***	***2586***
BOYCE INDUSTRIES Reg Id: 37510093	***3344 KURTZ ST***	***102***	***2594***
GOLDEN BOY PIES OF S Reg Id: 9UT1678	***3465 HANCOCK ST***	***102***	***2602***
XTERMITE INC Reg Id: 9UT2298	***3477 HANCOCK ST***	***102***	***2605***
CONTRACTORS EQUIPMEN Reg Id: 9UT3891	***3860 SHERMAN ST***	***102***	***2608***
CAVIGNAC PROPERTY Reg Id: 9UT3925	***4314 ALTAMIRANO WAY***	***103***	***2641***
SPORTS ARENA DODGE Reg Id: 9UT1604	***3740 ROSECRANS***	***104***	***2644***
NRC ENVIRONMENTAL SE Reg Id: 9UT1828	***2950 KURTZ ST***	***104***	***2645***
CALIFORNIA SPORTS CA Reg Id: 9UT2088	***3750 ROSECRANS ST***	***104***	***2654***
CALLAHAN BROS CONSTR Reg Id: 9UT1069	***3025 MOORE ST***	***104***	***2668***
TEXACO/CAMINO DEL RI Reg Id: 9UT3658 Reg Id: 9UT2537 Reg Id: 9UT2584 Reg Id: 9UT552	3711 CAMINO DEL RIO	104	2693
ARCO SERVICE STATION Reg Id: 9UT41	3720 CAMINO DEL RIO	104	2693
NIELSON CONSTRUCTION Reg Id: 9UT2322	***3127 JEFFERSON***	***104***	***2694***
SCRIPPS HOSPICE Reg Id: 9UT1810 Reg Id: 9UT1472	***4311 3RD AVE***	***107***	***2701***

Site	Address	Map ID	Page
USCD MEDICAL CENTER Reg Id: 9UT2705 Reg Id: 9UT705 Reg Id: 9UT2814	225 DICKINSON	108	2795
MOBIL SPORTS ARENA Reg Id: 9UT1260	***3229 SPORTS ARENA***	***111***	***2797***
SAN DIEGO NISE-WEST Reg Id: 9UT191	***4297 PACIFIC COAST H***	***114***	***2799***
CAPITAL SERVICE Reg Id: 9UT315	***1111 FORT STOCKTON D***	***117***	***2817***
PRIVATE RESIDENCE Reg Id: 9UT3273	***1819 SHERIDAN AV***	***118***	***2820***
GREAT WESTERN BANK-M Reg Id: 9UT3518	***333 WASHINGTON ST***	***120***	***2822***
HILLCREST SHELL Reg Id: 9UT3663	***330 WASHINGTON ST***	***120***	***2824***
SAM LEE AUTO REPAIR Reg Id: 9UT3033	***724 W WASHINGTON***	***122***	***2841***
AT&T COMMUNICATIONS Reg Id: 9UT2882	***3940 07TH AV***	***123***	***2851***
PACIFICA COMPANIES Reg Id: 9UT201	***4350 PACIFIC HIGHWAY***	***126***	***2857***

CA SWRCY: A listing of recycling facilities in California.

A review of the CA SWRCY list, as provided by EDR, and dated 03/16/2015 has revealed that there are 4 CA SWRCY sites within the searched area.

Site	Address	Map ID	Page
ONE EARTH RECYCLING Cert Id: RC137679.001	5980 FAIRMOUNT AVE S	21	773
SDCTY QUALCOMM STADI Cert Id: RC14685	***9449 FRIARS RD***	***25***	***838***
FOOD 4 LESS #333 Cert Id: RC156639.001	***7730 HAZARD CENTER D***	***62***	***1617***
REPLANET LLC Cert Id: RC164678.001	422 W WASHINGTON ST	115	2813

EXECUTIVE SUMMARY

CA LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the CA LUST list, as provided by EDR, and dated 03/13/2015 has revealed that there are 190 CA LUST sites within the searched area.

Site	Address	Map ID	Page
DALEY CORP	***2400 MURPHY CANYON R***	***3***	***6***
Case Number: 9UT2566			
Closed Date: 7/14/97			
Status: Case Closed			
DALEY CORP	***2400 MURPHY CANYON R***	***3***	***19***
Global Id: T0607301313			
Status: Completed - Case Closed			
SMOG PROS #1761	***2696 MISSION VILLAGE***	***6***	***24***
Global Id: T0607300058			
Global Id: T0607391305			
Status: Completed - Case Closed			
Status: Open - Remediation			
ARCO #1761	***2696 MISSION VILLAGE***	***6***	***30***
Case Number: 9UT1043			
Status: Preliminary site assessment underway			
TEXACO	***6605 MISSION GORGE R***	***7***	***42***
Global Id: T0607300591			
Global Id: T0607301332			
Case Number: 9UT1799			
Case Number: 9UT2583			
Closed Date: 8/12/91			
Status: Completed - Case Closed			
Status: Open - Eligible for Closure			
Status: Case Closed			
Status: Preliminary site assessment underway			
KAISER FOUNDATION HO	***4647 ZION AV***	***8***	***54***
Global Id: T0607302594			
Status: Completed - Case Closed			
KAISER PERMANENTE HO	4405 VANDEVER AVE	10	86
Case Number: 9UT804			
Closed Date: 12/12/88			
Status: Case Closed			
KAISER MEDICAL OFFIC	***4405 VANDEVER AV***	***10***	***89***
Global Id: T0607303056			
Status: Completed - Case Closed			
APOLLO OIL CO	***6220 FAIRMOUNT AVE***	***10***	***108***
Case Number: 9UT2767			
Case Number: 9UT2927			
Closed Date: 7/23/99			
Status: Case Closed			
COSBY OIL CORP	***6220 FAIRMOUNT AVE***	***10***	***111***
Global Id: T0607301524			
Global Id: T0607301693			
Status: Completed - Case Closed			
PACIFIC PEBBLES INCO	***6267 RIVERDALE ST***	***10***	***128***
Case Number: 9UT499			
Closed Date: 3/19/87			
Status: Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
ACTION COURIER	***4453 GLACIER AV***	***10***	***131***
Global Id: T0607302998			
Status: Completed - Case Closed			
ACTION COURIER	4445 GLACIER AVE	10	133
PADRE PETROLEUM PROD	4421 GLACIER AVE	10	136
Case Number: 9UT2331			
Status: Preliminary site assessment underway			
SWAIN OIL	***4421 GLACIER AV***	***10***	***137***
Global Id: T0607301102			
Status: Completed - Case Closed			
7-ELEVEN FOOD STORE	***6401 MISSION GORGE R***	***10***	***142***
Global Id: T0607399075			
Status: Completed - Case Closed			
7-ELEVEN STORE #2762	***6401 MISSION GORGE R***	***10***	***146***
Case Number: 9UT4086			
Status: Preliminary site assessment workplan submitted			
THRIFTY SERVICE STAT	***6404 MISSION GORGE R***	***10***	***150***
Case Number: 9UT563			
Status: Pollution Characterization			
THRIFTY SERVICE STAT	***6404 MISSION GORGE R***	***10***	***155***
Global Id: T0607302852			
Status: Completed - Case Closed			
FRIARS ROAD UNOCAL 7	***10385 FRIARS RD***	***10***	***162***
Global Id: T0607301498			
Case Number: 9UT2743			
Status: Completed - Case Closed			
Status: Remediation Plan			
SAN DIEGO SCHOOLS-TR	***2351 CARDINAL LN***	***15***	***199***
Case Number: 9UT3704			
Status: Preliminary site assessment underway			
SDUSD-TRANSPORTATION	***2351 CARDINAL LN***	***15***	***204***
Global Id: T0607302474			
Status: Completed - Case Closed			
EQUILON SAN DIEGO TE	***9966 SAN DIEGO MISSI***	***16***	***226***
Case Number: 9UT542			
Status: Post remedial action monitoring			
FENTON PROPERTIES	***9300 FRIARS RD***	***19***	***513***
Case Number: 9UT2493			
Case Number: 9UT3137			
Case Number: 9UT4064			
Closed Date: 5/19/00			
Closed Date: 3/9/00			
Status: Case Closed			
MISSION VALLEY PLANT	***9300 FRIARS RD***	***19***	***525***
Global Id: T0607301905			
Global Id: T0607301245			
Global Id: T0607399247			
Case Number: 9UT2950			
Closed Date: 6/23/93			
Status: Completed - Case Closed			
Status: Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
CLASS 2 SOIL TRTMENT	***9310 FRIARS RD***	***19***	***542***
Global Id: T0607301717			
Status: Completed - Case Closed			
LEASEWAY TRANSPORTAT	4285 CAMINO DEL RIO	21	563
Case Number: 9UT396			
Status: Preliminary site assessment underway			
PENSKE TRUCK LEASING	***4285 CAMINO DEL RIO***	***21***	***564***
Global Id: T0607302708			
Status: Completed - Case Closed			
BODY BEAUTIFUL CAR W	***4282 CAMINO DEL RIO***	***21***	***599***
Global Id: T0607386532			
Status: Completed - Case Closed			
SAN DIEGO NISSAN	***5812 N FAIRMOUNT***	***21***	***609***
Case Number: 9UT847			
Closed Date: 1/19/88			
Status: Case Closed			
CUSH HONDA	***5812 MISSION GORGE R***	***21***	***618***
Global Id: T0607302425			
Case Number: 9UT3660			
Closed Date: 11/19/99			
Status: Completed - Case Closed			
Status: Case Closed			
FORMER SHELL STATION	5820 MISSION GORGE R	21	636
Case Number: 9UT482			
Closed Date: 2/4/00			
Status: Case Closed			
SHELL SERVICE STATIO	***5820 MISSION GORGE***	***21***	***637***
Global Id: T0607302784			
Status: Completed - Case Closed			
DEVELOPMENT SITE	***5826 MISSION GORGE R***	***21***	***641***
Global Id: T0607399177			
Case Number: 9UT3949			
Status: Completed - Case Closed			
Status: Preliminary site assessment workplan submitted			
RAIN BEAU AT0578	***5805 MISSION GORGE R***	***21***	***646***
Case Number: 9UT406			
Closed Date: 3/4/87			
Status: Case Closed			
ROSE TOYOTA	***5910 MISSION GORGE R***	***21***	***663***
Global Id: T0607301803			
Case Number: 9UT3034			
Case Number: 9UT3666			
Status: Completed - Case Closed			
Status: Preliminary site assessment underway			
SAPPER CONSTRUCTION	***5927 MISSION GORGE R***	***21***	***685***
Global Id: T0607300274			
Case Number: 9UT1448			
Closed Date: 7/7/89			
Status: Completed - Case Closed			
Status: Case Closed			
SPARKLETTS DRINKING	***5930 MISSION GORGE R***	***21***	***691***
Global Id: T0607303146			
Case Number: 9UT905			
Closed Date: 2/18/98			
Status: Completed - Case Closed			
Status: Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
ROSE AUTOMOTIVE SERV	***5957 FAIRMONT AV***	***21***	***698***
Global Id: T0607302431			
Status: Completed - Case Closed			
SCHMID INSULATION CO	***4555 MISSION GORGE P***	***21***	***701***
Global Id: T0607303225			
Case Number: 9UT990			
Closed Date: 1/21/94			
Status: Completed - Case Closed			
Status: Case Closed			
SCHMID INSULATION	***4555 MISSION GORGE P***	***21***	***703***
CALIFORNIA NEON PROD	***4530 MISSION GORGE P***	***21***	***704***
Global Id: T0607301710			
Case Number: 9UT2944			
Closed Date: 9/13/96			
Status: Completed - Case Closed			
Status: Case Closed			
ULTRAMAR	***6011 MISSION GORGE R***	***21***	***722***
Case Number: 9UT3850			
Status: Preliminary site assessment underway			
BILL GINOS CHEVRON	***6011 MISSION GORGE R***	***21***	***728***
Global Id: T0607302609			
Global Id: T06019788897			
Status: Completed - Case Closed			
Status: Open - Eligible for Closure			
ONES PORTABLE WELDIN	***6061 FAIRMOUNT AVE***	***21***	***775***
Case Number: 9UT2260			
Closed Date: 4/10/99			
Status: Case Closed			
JONES PORTABLE WELDI	***6061 FAIRMOUNT AV***	***21***	***776***
Global Id: T0607301027			
Status: Completed - Case Closed			
MISSION GORGE TEXACO	***6075 MISSION GORGE R***	***21***	***777***
Global Id: T0607300113			
Status: Completed - Case Closed			
MISSION GORGE TEXACO	***6075 MISSION GORGE R***	***21***	***781***
Case Number: 9UT1104			
Status: Remedial action (cleanup) Underway			
FORMER ARCO	***6110 MISSION GORGE R***	***21***	***795***
Global Id: T0607300655			
Status: Completed - Case Closed			
ARCO #1790	***6110 MISSION GORGE R***	***21***	***798***
Case Number: 9UT1872			
Status: Preliminary site assessment underway			
MERRILL LA FRANCE	***6101 MISSION GORGE R***	***21***	***805***
Case Number: 9UT679			
Closed Date: 8/11/93			
Status: Case Closed			
HOUSE OF CARS	***6101 MISSION GORGE R***	***21***	***809***
Global Id: T0607302947			
Status: Completed - Case Closed			

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Site	Address	Map ID	Page
CHEVRON SERVICE STAT	***4525 WARING RD***	***23***	***814***
Global Id: T0607303175			
Case Number: 9UT94			
Closed Date: 3/13/98			
Status: Completed - Case Closed			
Status: Case Closed			
DYTRON/FORMER GOLDEN	***6901 LINDA VISTA ROA***	***26***	***865***
Global Id: T0607301722			
Case Number: 9UT2955			
Closed Date: 11/3/98			
Status: Completed - Case Closed			
Status: Case Closed			
QUALTECH COLLISION &	***4660 ALVARADO CANYON***	***32***	***948***
Case Number: 9UT3485			
Status: Preliminary site assessment underway			
QUALTECH AUTO COLLIS	***4660 ALVARADO CANYON***	***32***	***953***
Global Id: T0607302250			
Status: Completed - Case Closed			
CHEVRON / FRIARS RD	***7698 FRIARS RD***	***35***	***972***
Global Id: T0607301364			
Case Number: 9UT2612			
Status: Completed - Case Closed			
Status: Preliminary site assessment underway			
MISSION CENTER TEXAC	***5465 MISSION CENTER***	***35***	***1035***
Case Number: 9UT1516			
Case Number: 9UT4042			
Closed Date: 6/18/92			
Status: Case Closed			
Status: Preliminary site assessment workplan submitted			
MISSION CENTER TEXAC	***5465 MISSION CENTER***	***35***	***1047***
Global Id: T0607300336			
Global Id: T0607399067			
Status: Completed - Case Closed			
MOBIL #18 G6F 12721	***5494 MISSION CENTER***	***35***	***1061***
Case Number: 9UT1039			
Status: Pollution Characterization			
MOBIL SERVICE STATIO	***5494 MISSION CENTER***	***35***	***1075***
Global Id: T0607300054			
Status: Completed - Case Closed			
U. S. RENTALS	1544 FRAZEE RD	35	1145
Case Number: 9UT558			
Closed Date: 8/17/89			
Status: Case Closed			
UNITED STATES RENTAL	1544 FRAZEE RD	35	1146
Case Number: 9UT1857			
Closed Date: 11/29/93			
Status: Case Closed			
U S RENTALS	***NONE FRAZEE RD***	***35***	***1154***
Global Id: T0607300642			
Status: Completed - Case Closed			
MISSION VALLEY	***5745 MISSION CENTER***	***35***	***1248***
Global Id: T0607393442			
Status: Completed - Case Closed			

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Site	Address	Map ID	Page
UNIVERSITY MECH CONT	***4464 ALVARADO CANYON***	***37***	***1319***
Case Number: 9UT324			
Closed Date: 10/27/87			
Status: Case Closed			
CARSON ELEMENTARY SC	***6905 KRAMER STREET***	***46***	***1411***
Global Id: T0607300024			
Case Number: 9UT1002			
Closed Date: 4/26/00			
Status: Completed - Case Closed			
Status: Case Closed			
INDUSTRIAL ASPHALT	***8150 FRIARS RD***	***48***	***1418***
Global Id: T0607300491			
Case Number: 9UT1675			
Closed Date: 12/18/92			
Status: Completed - Case Closed			
Status: Case Closed			
7-ELEVEN	***6615 LINDA VISTA***	***50***	***1436***
Global Id: T0607301389			
Status: Completed - Case Closed			
7 ELEVEN FOOD STORES	***6615 LINDA VISTA RD***	***50***	***1437***
Case Number: 9UT2641			
Closed Date: 1/27/94			
Status: Case Closed			
TST	***6619 LINDA VISTA RD***	***50***	***1449***
Case Number: 9UT2471			
Status: Preliminary site assessment underway			
TST	***6619 LINDA VISTA RD***	***50***	***1451***
Global Id: T0607301230			
Status: Completed - Case Closed			
SKEETERS AUTOMOTIVE	***6705 LINDA VISTA RD***	***50***	***1462***
Global Id: T0607300037			
Case Number: 9UT1015			
Closed Date: 11/8/92			
Status: Completed - Case Closed			
Status: Case Closed			
CHEVRON CAMINO DEL R	***2290 CAMINO DEL RIO***	***54***	***1477***
Case Number: 9UT2965			
Status: Preliminary site assessment underway			
94991	***2290 CAMINO DEL RIO***	***54***	***1484***
Global Id: T0607301731			
Status: Completed - Case Closed			
R. E. HAZARD	***7501 FRIARS RD***	***59***	***1575***
Global Id: T0607302721			
Case Number: 9UT405			
Closed Date: 7/12/93			
Status: Completed - Case Closed			
Status: Case Closed			
UNIVERSITY OF SAN DI	***5998 LINDA VISTA RD***	***63***	***1630***
Case Number: 9UT357			
Closed Date: 12/31/86			
Status: Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
SEARS WAREHOUSE	***5258 ANNA AVE***	***67***	***1667***
Global Id: T0607303165			
Case Number: 9UT922			
Closed Date: 5/25/88			
Status: Completed - Case Closed			
Status: Case Closed			
CARL'S BAR SUPPLIES	***880 SHERMAN ST***	***67***	***1669***
Case Number: 9UT85			
Closed Date: 10/5/86			
Status: Case Closed			
WALKER SCOTT	***908 SHERMAN ST***	***67***	***1675***
FLORENTINE COMPANY	5353 BANKS ST	67	1683
FLORENTINE CO	***5353 BANKS ST***	***67***	***1684***
Global Id: T0607303163			
Status: Completed - Case Closed			
LLOYD'S PEST CONTROL	935 SHERMAN ST	67	1688
Case Number: 9UT251			
Closed Date: 4/21/87			
Status: Case Closed			
LLOYD PEST CONTROL	***935 SHERMAN ST***	***67***	***1688***
Global Id: T0608115063			
Status: Completed - Case Closed			
SDCTY-POLICE WESTERN	5215 GAINES ST	67	1720
Global Id: T0607303015			
Status: Open - Site Assessment			
S.D.P.D. WESTERN DIV	***5212 GAINES***	***67***	***1727***
Case Number: 9UT759			
Status: Remedial action (cleanup) Underway			
CUBIC	5225-5255 LOVELOCK S	67	1734
Case Number: 9UT79			
Closed Date: 10/24/86			
Status: Case Closed			
COMMERCIAL FACILITIE	***5260 GAINES ST***	***67***	***1740***
Global Id: T0607300533			
Case Number: 9UT1736			
Closed Date: 6/26/92			
Status: Completed - Case Closed			
Status: Case Closed			
ANTHONY'S FISH GROTT	***5232 LOVELOCK ST***	***67***	***1762***
Case Number: 9UT13			
Closed Date: 12/19/86			
Status: Case Closed			
SEARS & ROEBUCK	***960 SHERMAN ST***	***67***	***1768***
Case Number: 9UT465			
Closed Date: 12/23/86			
Status: Case Closed			
FORMER TEXACO STATIO	***845 MORENA BL***	***67***	***1778***
Global Id: T10000001812			
Status: Open - Site Assessment			
HOBART CORPORATION	***5390 NAPA ST***	***67***	***1781***
Global Id: T0607302889			
Case Number: 9UT602			
Status: Completed - Case Closed			
Status: Remediation Plan			

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Site	Address	Map ID	Page
PAPER RECOVERY OF SA	***5222 LOVELOCK ST***	***67***	***1799***
Global Id: T0607300630			
Case Number: 9UT1845			
Closed Date: 5/30/91			
Status: Completed - Case Closed			
Status: Case Closed			
SO-LUMINAIRE	***4909 PACIFIC***	***67***	***1808***
Case Number: 9UT670			
Status: Preliminary site assessment underway			
BAY PARK TOWING	***915 MORENA BLVD***	***67***	***1813***
Case Number: 9UT1058			
Closed Date: 10/13/89			
Status: Case Closed			
BAY PARK TOWING	***915 MORENA BL***	***67***	***1816***
Global Id: T0607300071			
Status: Completed - Case Closed			
FORMER E R PLASTICS	4901 PACIFIC HWY	67	1820
Case Number: 9UT255			
Closed Date: 1/25/00			
Status: Case Closed			
AIQ INC	***4903 PACIFIC HY***	***67***	***1821***
Global Id: T0607301295			
Status: Completed - Case Closed			
COCA COLA BOTTLING C	***5330 LINDA VISTA RD***	***67***	***1831***
Global Id: T0607300489			
Case Number: 9UT1673			
Status: Completed - Case Closed			
Status: Remedial action (cleanup) Underway			
. P. WITHEROW ROOFIN	***1001 MORENA BLVD***	***67***	***1844***
Case Number: 9UT223			
Closed Date: 9/26/91			
Status: Case Closed			
J. P. WITHEROW ROOFI	***1001 MORENA***	***67***	***1845***
Global Id: T0607300997			
Status: Completed - Case Closed			
ULTRAMAR #740	1083 MORENA BLVD	67	1846
Case Number: 9UT2412			
Status: Remedial action (cleanup) Underway			
ULTRAMAR STATION #1-	***1083 MORENA BL***	***67***	***1847***
Global Id: T0607301179			
Status: Open - Verification Monitoring			
MISSION BAY AUTOMOTI	***1125 MORENA BLVD***	***67***	***1852***
Global Id: T0607300386			
Case Number: 9UT1566			
Status: Completed - Case Closed			
Status: Preliminary site assessment underway			
MISSION BAY AUTOMOTI	***1125 MORENA BLVD***	***67***	***1856***
MISSION CHEMICAL	***4990 NAPLES ST***	***67***	***1861***
Case Number: 9UT2181			
Status: Preliminary site assessment underway			

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Site	Address	Map ID	Page
SAN DIEGO VESSEL MAI	***4990 NAPLES STREET***	***67***	***1866***
Global Id: T0607300951			
Status: Completed - Case Closed			
FASHION VALLEY ARCO	***6899 FRIARS RD***	***69***	***1879***
Global Id: T0607301476			
Global Id: T0607301883			
Case Number: 9UT2722			
Case Number: 9UT3116			
Status: Completed - Case Closed			
Status: Preliminary site assessment underway			
Status: Remedial action (cleanup) Underway			
FIRESTONE #22F2	***6977 FRIARS RD***	***69***	***1919***
Global Id: T0607300986			
Status: Completed - Case Closed			
ARCO #03037 A S INVE	***915 CAMINO DEL RIO S***	***70***	***1959***
Global Id: T0607300106			
Case Number: 9UT1098			
Status: Completed - Case Closed			
Status: Remedial action (cleanup) Underway			
TOWNSEND LINCOLN MER	***588 CAMINO DEL RIO N***	***70***	***1992***
Global Id: T0607302887			
Global Id: T0607300948			
Case Number: 9UT2178			
Case Number: 9UT600			
Closed Date: 6/16/92			
Closed Date: 6/9/92			
Status: Completed - Case Closed			
Status: Case Closed			
BOB BAKER FORD CHRYS	***730 CAMINO DEL RIO N***	***70***	***2004***
Global Id: T06019776864			
Case Number: 9UT297			
Closed Date: 3/9/88			
Status: Completed - Case Closed			
Status: Case Closed			
COURTESY CHEVROLET	***750 CAMINO DEL RIO N***	***70***	***2026***
Global Id: T0607301971			
Case Number: 9UT3214			
Closed Date: 5/9/97			
Status: Completed - Case Closed			
Status: Case Closed			
MARVIN K BROWN CADIL	***1441 CAMINO DEL RIO***	***70***	***2048***
Global Id: T0607302555			
Global Id: T0607300377			
Global Id: T0607301023			
Case Number: 9UT1558			
Case Number: 9UT3791			
Closed Date: 4/27/90			
Status: Completed - Case Closed			
Status: Case Closed			
Status: Preliminary site assessment underway			
BROWN, MARVIN	1441 CAMINO DEL RIO	70	2064
Case Number: 9UT2257			
Closed Date: 4/18/96			
Status: Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
JOHN HINE MAZDA	***1545 CAMINO DEL RIO***	***70***	***2096***
Case Number: 9UT1392 Closed Date: 5/30/90 Status: Case Closed			
JOHN HINE PONTIAC MA	***1545 CAMINO DEL RIO***	***70***	***2122***
Global Id: T0607300232 Status: Completed - Case Closed			
MONTGOMERY WARD SVC	***1288 CAMINO DEL RIO***	***70***	***2136***
Global Id: T06019759260 Status: Open - Eligible for Closure			
UNOCAL SERV STATION	***5050 MISSION CENTER***	***70***	***2152***
Case Number: 9UT2678 Status: Preliminary site assessment underway			
UNOCAL SERV STATION	***5050 MISSION CENTER***	***70***	***2156***
Global Id: T0607301427 Status: Completed - Case Closed			
HANDLERY HOTEL & COU	***5900 FRIARS RD***	***77***	***2227***
Global Id: T0607300045 Status: Completed - Case Closed			
STARDUST GOLF COURSE	5900 FRIARS RD	77	2230
Case Number: 9UT1028 Closed Date: 6/4/90 Status: Case Closed			
COPLEY PRESS	***350 CAMINO DE LA REI***	***79***	***2234***
Case Number: 9UT614 Closed Date: 12/8/97 Status: Case Closed			
UNION TRIBUNE PUBLIS	***350 CAMINO DE LA REI***	***79***	***2235***
Global Id: T0607302276 Global Id: T0607302895 Global Id: T0608194797 Case Number: 9UT3509 Status: Completed - Case Closed Status: Preliminary site assessment underway			
VALERO STATION #3741	***3150 ADAMS AV***	***83***	***2285***
Global Id: T0608128993 Global Id: T0607301131 Status: Completed - Case Closed			
ULTRAMAR STATION #1-	***3150 ADAMS AVE***	***83***	***2306***
Case Number: 9UT236 Closed Date: 2/3/94 Status: Case Closed			
A & M AUTO REPAIR	3250 ADAMS AVE	83	2309
Case Number: 9UT2280 Closed Date: 8/23/96 Status: Case Closed			
ADAM AUTO REPAIR	***3250 ADAMS AV***	***83***	***2319***
Global Id: T0607301047 Status: Completed - Case Closed			
MIDWAY JEEP CHRYSLER	***777 CAMINO DEL RIO S***	***84***	***2342***
Global Id: T0607301064 Case Number: 9UT2297 Closed Date: 9/30/93 Status: Completed - Case Closed Status: Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
PRESIDENTIAL LIMOUSI	***2085 HOTEL CIRCLE S***	***85***	***2364***
Global Id: T0607300363			
Case Number: 9UT1544			
Closed Date: 12/22/99			
Status: Completed - Case Closed			
Status: Case Closed			
CHEVRON 90158	925 (FORMERLY 755) H	85	2386
Global Id: T0607302704			
Status: Completed - Case Closed			
CHEVRON STATION #9-0	***755 HOTEL CIRCLE S***	***85***	***2395***
Case Number: 9UT3944			
Status: Preliminary site assessment underway			
HOTEL CIRCLE SEVENTY	***504 HOTEL CIRCLE N***	***85***	***2435***
Global Id: T0607300245			
Status: Completed - Case Closed			
ATLAS HOTEL	504 HOTEL CIRCLE N	85	2437
Case Number: 9UT1406			
Closed Date: 8/17/92			
Status: Case Closed			
FIRESTONE TIRE AND R	***140 FASHION VALLEY***	***85***	***2441***
Case Number: 9UT222			
Closed Date: 1/27/87			
Status: Case Closed			
HENRY'S GARAGE	***2821 ADAMS AVE***	***86***	***2467***
Case Number: 9UT336			
Closed Date: 12/8/86			
Status: Case Closed			
EURO CAR SERVICE	***2821 ADAMS AV***	***86***	***2468***
Global Id: T0607302121			
Status: Completed - Case Closed			
NYSCO MOTORS	***2101 MAIN ST***	***88***	***2473***
Global ID: T0605901525			
Facility Status: Case Closed			
JOSEPH H. GIESEN	2101 ADAMS AV	88	2474
Global Id: T0607302929			
Status: Completed - Case Closed			
JOSEPH H. GIESEN	***2101 ADAMS AVE***	***88***	***2477***
Case Number: 9UT66			
Status: Preliminary site assessment underway			
SAN DIEGO SMOG & AUT	***4664 PARK BL***	***90***	***2483***
Global Id: T0607300085			
Status: Completed - Case Closed			
RUDI LUSTI INC.	***4664 PARK BLVD***	***90***	***2485***
Case Number: 9UT1074			
Closed Date: 4/26/89			
Status: Case Closed			
SAN DIEGO PAPER BOX	***1924 ADAMS AVE***	***90***	***2489***
Case Number: 9UT352			
Closed Date: 1/23/87			
Status: Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
5-STAR MOBIL AUTO RE	***4616 TEXAS ST***	***94***	***2503***
Global Id: T0607303106			
Global Id: T0607302319			
Status: Completed - Case Closed			
ULTRAMAR / TEXAS ST	***4616 TEXAS ST***	***94***	***2506***
Case Number: 9UT3550			
Status: Preliminary site assessment underway			
MOBIL SERVICE STATIO	4616 TEXAS ST	94	2516
Case Number: 9UT861			
Closed Date: 10/5/90			
Status: Case Closed			
EXXON SERVICE STATIO	2432 HOTEL CIRCLE N	95	2528
Case Number: 9UT696			
Closed Date: 12/15/89			
Status: Case Closed			
EXXON SERVICE STATIO	***2432 HOTEL CIRCLE N***	***95***	***2529***
Global Id: T0607302965			
Status: Completed - Case Closed			
RIVER VALLEY SPORTS	***2440 HOTEL CIRCLE PL***	***95***	***2537***
Case Number: 9UT2623			
Closed Date: 10/31/95			
Status: Case Closed			
RIVER VALLEY SPORTS	***2440 HOTEL CIRCLE PL***	***95***	***2539***
Global Id: T0607301376			
Status: Completed - Case Closed			
OLD TOWN STATE PARK	***4005 TAYLOR ST***	***99***	***2547***
Global Id: T0607303057			
Case Number: 9UT806			
Closed Date: 5/10/89			
Status: Completed - Case Closed			
Status: Case Closed			
SAN DIEGO TRUST AND	***4606 PACIFIC HWY***	***99***	***2549***
Global Id: T0607303220			
Case Number: 9UT986			
Closed Date: 5/11/92			
Status: Completed - Case Closed			
Status: Case Closed			
CALTRANS	***4050 TAYLOR***	***99***	***2552***
Global Id: T0607302328			
Status: Completed - Case Closed			
CALTRANS/MOTOR POOL	***4050 TAYLOR ST***	***99***	***2553***
Case Number: 9UT3560			
Closed Date: 1/9/01			
Status: Case Closed			
G.B. SALES	***4441 PARK BL***	***100***	***2577***
Global Id: T0607301753			
Status: Completed - Case Closed			
G.B. SALES	***4441 PARK BLVD***	***100***	***2578***
Case Number: 9UT2986			
Closed Date: 5/3/99			
Status: Case Closed			

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Site	Address	Map ID	Page
CLIFF BROWN AUTOMOTI	***4491 PARK BLVD***	***100***	***2580***
Global Id: T0607302705			
Case Number: 9UT3945			
Status: Completed - Case Closed			
Status: Preliminary site assessment workplan submitted			
SHOREBREAK	***3612 KURTZ ST***	***101***	***2586***
Global Id: T0607300339			
Case Number: 9UT1519			
Closed Date: 2/12/98			
Status: Completed - Case Closed			
Status: Case Closed			
GOLDEN CHARIOT TRUCK	***3495 KURTZ ST***	***102***	***2599***
Global Id: T0608122119			
Status: Completed - Case Closed			
GOLDEN BOY PIES OF S	***3465 HANCOCK ST***	***102***	***2602***
Global Id: T0607300494			
Case Number: 9UT1678			
Closed Date: 10/26/90			
Status: Completed - Case Closed			
Status: Case Closed			
XTERMITE INC	***3477 HANCOCK ST***	***102***	***2605***
Case Number: 9UT229			
Closed Date: 10/22/86			
Status: Case Closed			
CONTRACTORS EQUIPMEN	***3860 SHERMAN ST***	***102***	***2608***
Global Id: T0607302652			
Case Number: 9UT3891			
Closed Date: 12/14/00			
Status: Completed - Case Closed			
Status: Case Closed			
CAVIGNAC PROPERTY	***4314 ALTAMIRANO WAY***	***103***	***2641***
Global Id: T0607302685			
Case Number: 9UT3925			
Closed Date: 2/25/00			
Status: Completed - Case Closed			
Status: Case Closed			
HOWARD TAYLOR DODGE	***3740 ROSECRANS ST***	***104***	***2643***
Case Number: 9UT1604			
Status: Preliminary site assessment workplan submitted			
NRC ENVIRONMENTAL SE	***2950 KURTZ ST***	***104***	***2645***
Global Id: T0607300612			
Case Number: 9UT1828			
Closed Date: 3/25/91			
Status: Completed - Case Closed			
Status: Case Closed			
CALIFORNIA SPORTS CA	***3750 ROSECRANS ST***	***104***	***2654***
Global Id: T0607300857			
Case Number: 9UT2088			
Closed Date: 2/17/92			
Status: Completed - Case Closed			
Status: Case Closed			
CALLAHAN BROS CONSTR	***3025 MOORE ST***	***104***	***2668***
Global Id: T0607300081			
Case Number: 9UT1069			
Closed Date: 9/26/88			
Status: Completed - Case Closed			
Status: Case Closed			

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Site	Address	Map ID	Page
ARCO SERVICE STATION	***3720 CAMINO DEL RIO***	***104***	***2673***
Case Number: 9UT41			
Status: Remedial action (cleanup) Underway			
TEXACO/CAMINO DEL RI	3711 CAMINO DEL RIO	104	2675
Case Number: 9UT3658			
Status: Preliminary site assessment underway			
TEXACO SERVICE STATI	***3711 CAMINO DEL RIO***	***104***	***2676***
Case Number: 9UT2537			
Case Number: 9UT552			
Closed Date: 1/20/87			
Closed Date: 10/6/93			
Status: Case Closed			
TEXACO	3711 CAMINO DEL RIO	104	2684
TEXACO REFINING AND	***3711 CAMINO DEL RIO***	***104***	***2684***
Global Id: T0607302841			
Global Id: T0607302423			
Global Id: T0619790351			
Global Id: T0607301333			
Case Number: 9UT2584			
Closed Date: 11/10/97			
Status: Completed - Case Closed			
Status: Case Closed			
NIELSON CONSTRUCTION	***3127 JEFFERSON***	***104***	***2694***
Global Id: T0607301092			
Case Number: 9UT2322			
Closed Date: 2/5/93			
Status: Completed - Case Closed			
Status: Case Closed			
SAN DIEGO HOSPICE	4311 3RD ST N	107	2700
Case Number: 9UT1472			
Closed Date: 3/15/91			
Status: Case Closed			
SCRIPPS HOSPICE	***4311 3RD AVE***	***107***	***2701***
Case Number: 9UT1810			
Closed Date: 5/17/96			
Status: Case Closed			
NEW ALTERNATIVES	***4311 03RD AV***	***107***	***2703***
Global Id: T0607300294			
Global Id: T0607300599			
Status: Completed - Case Closed			
UCSD MEDICAL CENTER	***200 W ARBOR DR***	***108***	***2713***
Global Id: T0607302973			
Global Id: T0607301572			
Status: Completed - Case Closed			
Status: Open - Site Assessment			
UCSD-MEDICAL CENTER	225 DICKINSON ST	108	2789
Case Number: 9UT705			
Closed Date: 1/3/89			
Status: Case Closed			
UCSD MEDICAL CENTER	***225 DICKINSON ST W***	***108***	***2790***
Case Number: 9UT2814			
Case Number: 9UT2705			
Status: Preliminary site assessment underway			
Status: Preliminary site assessment workplan submitted			

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Site	Address	Map ID	Page
MOBIL SPORTS ARENA Case Number: 9UT1260 Closed Date: 10/26/93 Status: Case Closed	***3229 SPORTS ARENA BL***	***111***	***2796***
MOBIL SPORTS ARENA Global Id: T0607300181 Status: Completed - Case Closed	***3229 SPORTS ARENA***	***111***	***2797***
925 FORT STOCKTON Global Id: T10000002805 Status: Completed - Case Closed	925 FORT STOCKTON	116	2815
CAPITAL SERVICE Case Number: 9UT315 Closed Date: 12/17/86 Status: Case Closed	***1111 FORT STOCKTON D***	***117***	***2817***
ESTATE OF OSEPHINE O Case Number: 9UT3273 Closed Date: 12/8/95 Status: Case Closed	1819 SHERIDAN AVE	118	2821
GREAT WESTERN BANK-M Global Id: T0607302286 Case Number: 9UT3518 Closed Date: 9/3/98 Status: Completed - Case Closed Status: Case Closed	***333 WASHINGTON ST***	***120***	***2822***
HILLCREST SHELL Global Id: T0607390958 Global Id: T0607302428 Status: Completed - Case Closed	***330 WASHINGTON ST***	***120***	***2824***
SHELL SERVICE STATIO Case Number: 9UT3663 Closed Date: 11/2/99 Status: Case Closed	***330 WASHINGTON ST***	***120***	***2826***
SAM LEE AUTO REPAIR Global Id: T0607301802 Case Number: 9UT3033 Status: Completed - Case Closed Status: Preliminary site assessment underway	***724 W WASHINGTON***	***122***	***2841***
AT&T COMMUNICATIONS Global Id: T0607301644 Status: Completed - Case Closed	***3940 07TH AV***	***123***	***2851***
PACIFICA COMPANIES Case Number: 9UT201 Closed Date: 11/12/91 Status: Case Closed	***4350 PACIFIC HIGHWAY***	***126***	***2857***

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CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, and dated 03/13/2015 has revealed that there are 82 CA SLIC sites within the searched area.

Site	Address	Map ID	Page
DALEY CORP Global Id: T0608194046 Facility Status: Completed - Case Closed	***2400 MURPHY CANYON R***	***3***	***19***
SMOG PROS #1761 Global Id: T0608137528 Global Id: T0608138856 Global Id: T0608139939 Facility Status: Completed - Case Closed Facility Status: Open - Remediation	***2696 MISSION VILLAGE***	***6***	***24***
BEST CLEANERS Global Id: T0608101862 Facility Status: Completed - Case Closed	***10450 FRIARS RD***	***7***	***35***
KAISER FOUNDATION HO Global Id: T0608112219 Global Id: T0608150905 Facility Status: Completed - Case Closed	***4647 ZION AV***	***8***	***54***
PACIFIC PEBBLES INCO Global Id: T0607302798 Facility Status: Completed - Case Closed	***6267 RIVERDALE ST***	***10***	***128***
PADRE PETRO PRODUCTS Global Id: T0608195814 Facility Status: Completed - Case Closed	***4435 GLACIER AV***	***10***	***134***
FRIARS ROAD UNOCAL 7 Global Id: T0608174458 Facility Status: Completed - Case Closed	***10385 FRIARS RD***	***10***	***162***
SDUSD-TRANSPORTATION Global Id: T0608128740 Global Id: T0608144499 Facility Status: Completed - Case Closed	***2351 CARDINAL LN***	***15***	***204***
EQUILON SAN DIEGO TE Global Id: T0608182474 Facility Status: Completed - Case Closed	***9966 SAN DIEGO MISSI***	***16***	***226***
MISSION VALLEY BULK Global Id: SL607392800 Facility Status: Open - Remediation	***9950 SAN DIEGO MISSI***	***16***	***413***
H G FENTON MATERIAL Global Id: T0608155308 Facility Status: Completed - Case Closed	***7400 MURRAY CANYON R***	***19***	***521***
MISSION VALLEY PLANT Global Id: T0608197271 Facility Status: Completed - Case Closed	***9300 FRIARS RD***	***19***	***525***
PENSKE TRUCK LEASING Global Id: T0608113766 Facility Status: Completed - Case Closed	***4285 CAMINO DEL RIO***	***21***	***564***
CUSH HONDA Global Id: T0607303093 Facility Status: Completed - Case Closed	***5812 MISSION GORGE R***	***21***	***618***

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Site	Address	Map ID	Page
TIRES PLUS Global Id: T0607302722 Facility Status: Completed - Case Closed	***5805 MISSION GORGE R***	***21***	***644***
MAGIC LEATHER DRY CL Global Id: SLT19791036 Facility Status: Completed - Case Closed	***5841 MISSION GORGE R***	***21***	***652***
ROSE TOYOTA Global Id: T0608146059 Facility Status: Completed - Case Closed	5957 FAIRMOUNT AV	21	698
H G FENTON MATERIALS Global Id: T0608126522 Facility Status: Completed - Case Closed	***10957 SAN DIEGO MISS***	***21***	***785***
FORMER ARCO Global Id: T10000001809 Facility Status: Open - Site Assessment	***6110 MISSION GORGE R***	***21***	***795***
CHEVRON SERVICE STAT Global Id: T06019790653 Global Id: T0608169571 Facility Status: Completed - Case Closed	***4525 WARING RD***	***23***	***814***
QUALCOMM STADIUM PAR Global Id: T10000004719 Facility Status: Completed - Case Closed	9449 FRIARS ROAD	25	824
SDCTY QUALCOMM STADI Global Id: T06019753152 Facility Status: Completed - Case Closed	***9449 FRIARS RD***	***25***	***838***
DYTRON/FORMER GOLDEN Global Id: T0608191416 Facility Status: Completed - Case Closed	***6901 LINDA VISTA ROA***	***26***	***865***
CLEANERS CLUB, INC. Global Id: SLT19752478 Facility Status: Completed - Case Closed	***4698 ALVARADO CANYON***	***32***	***946***
FUJI TRUCOLOR, INC. Global Id: T06019789686 Facility Status: Completed - Case Closed	***4782 ALVARADO CANYON***	***32***	***963***
CHEVRON / FRIARS RD Global Id: T0608146431 Global Id: T0608174942 Facility Status: Completed - Case Closed	***7698 FRIARS RD***	***35***	***972***
SAN DIEGO MESA COLLE Global Id: T0607301408 Facility Status: Completed - Case Closed	***7250 MESA COLLEGE DR***	***35***	***1095***
U S RENTALS Global Id: T0607302847 Facility Status: Completed - Case Closed	***NONE FRAZEE RD***	***35***	***1154***
SUNROAD ENTERPRISES Global Id: T0608163372 Facility Status: Completed - Case Closed	***1615 MURRAY CANYON R***	***35***	***1155***
MISSION HEIGHTS Global Id: T0608148160 Facility Status: Completed - Case Closed	***0 MURRAY CYN RD***	***35***	***1156***

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Site	Address	Map ID	Page
HG FENTON COMPANY Global Id: T0608171650 Facility Status: Completed - Case Closed	***7243 MISSION VALLEY***	***35***	***1183***
STADIUM CLEANERS Global Id: T0608129366 Facility Status: Completed - Case Closed	***5694 MISSION CTR RD***	***35***	***1185***
UNIVERSITY MECHANICA Global Id: T0608183235 Global Id: T0608171882 Facility Status: Completed - Case Closed	***4464 ALVARADO CANYON***	***37***	***1323***
NATIONAL UNIVERSITY/ Global Id: T0608197377 Facility Status: Completed - Case Closed	***4007 CAMINO DEL RIO***	***40***	***1352***
QUARRY FALLS - UNITS Global Id: T10000003630 Global Id: T10000002579 Facility Status: Completed - Case Closed	0 MISSION CENTER	48	1424
TST Global Id: T10000005246 Facility Status: Completed - Case Closed	***6619 LINDA VISTA RD***	***50***	***1451***
APOLLO GAS Global Id: T0608139370 Facility Status: Completed - Case Closed	***6645 LINDA VISTA RD***	***50***	***1460***
94991 Global Id: T0608150179 Facility Status: Completed - Case Closed	***2290 CAMINO DEL RIO***	***54***	***1484***
VANTILE PARCELS Global Id: T10000002818 Facility Status: Completed - Case Closed	0 QUALCOMM WAY	54	1508
USD CUNNINGHAM FIELD Global Id: T0607302337 Global Id: T06019789448 Facility Status: Completed - Case Closed	***5998 ALCALA PARK***	***64***	***1631***
CARL'S BAR SUPPLIES Global Id: T0607303096 Facility Status: Completed - Case Closed	***880 SHERMAN ST***	***67***	***1669***
MV WEST LIGHT RAIL E Global Id: T0608103247 Facility Status: Completed - Case Closed	NONE MORENA BL, SEGM	67	1673
WALKER SCOTT COMPANY Global Id: T0607302768 Facility Status: Completed - Case Closed	***908 SHERMAN ST***	***67***	***1677***
LLOYD PEST CONTROL Global Id: T0607301254 Facility Status: Completed - Case Closed	***935 SHERMAN ST***	***67***	***1688***
TRUST REAL ESTATE SE Global Id: T0607303042 Facility Status: Completed - Case Closed	***5225 LOVELOCK ST***	***67***	***1732***
ANTHONY'S FISH GROTT Global Id: T0607300186 Facility Status: Completed - Case Closed	***5232 LOVELOCK ST***	***67***	***1762***

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Site	Address	Map ID	Page
SEARS LOGISTICS SERV	***960 SHERMAN ST***	***67***	***1766***
Global Id: T0607302767			
Facility Status: Completed - Case Closed			
FORMER TEXACO STATIO	***845 MORENA BL***	***67***	***1778***
Global Id: T10000000448			
Facility Status: Completed - Case Closed			
TOPS CLEANERS	***855 MORENA BLVD***	***67***	***1789***
Global Id: SLT19712881			
Facility Status: Completed - Case Closed			
AAMCO TRANSMISSIONS	***5251 LINDA VISTA RD.***	***67***	***1810***
Global Id: T0608177273			
Facility Status: Completed - Case Closed			
BERGEN BRUNSWIG DRUG	***1004 CUDAHY PL***	***67***	***1818***
Global Id: T0608134393			
Facility Status: Completed - Case Closed			
COCA COLA BOTTLING C	***5330 LINDA VISTA RD***	***67***	***1831***
Global Id: T06019753550			
Facility Status: Completed - Case Closed			
ASTRO SIGN CO	***4941 PACIFIC HY***	***67***	***1836***
Global Id: T0608151865			
Facility Status: Completed - Case Closed			
MORENA VISTA	***5319 LINDA VISTA RD***	***67***	***1840***
Global Id: T0607393415			
Facility Status: Completed - Case Closed			
ULTRAMAR STATION #1-	***1083 MORENA BL***	***67***	***1847***
Global Id: T0608142876			
Facility Status: Completed - Case Closed			
FASHION VALLEY ARCO	***6899 FRIARS RD***	***69***	***1879***
Global Id: T0608173345			
Facility Status: Completed - Case Closed			
ARCO #03037 A S INVE	***915 CAMINO DEL RIO S***	***70***	***1959***
Global Id: T0608195597			
Facility Status: Completed - Case Closed			
BOB BAKER FORD CHRYS	***730 CAMINO DEL RIO N***	***70***	***2004***
Global Id: T0608190499			
Global Id: T0607301736			
Facility Status: Completed - Case Closed			
COURTESY CHEVROLET	***750 CAMINO DEL RIO N***	***70***	***2026***
Global Id: T0608118741			
Global Id: T0608139644			
Facility Status: Completed - Case Closed			
MARVIN K BROWN CADIL	***1441 CAMINO DEL RIO***	***70***	***2048***
Global Id: T0608152314			
Global Id: T0608115015			
Facility Status: Completed - Case Closed			
RADISSON HOTEL SAN D	***1433 CAMINO DEL RIO***	***70***	***2091***
Global Id: T0608115542			
Facility Status: Completed - Case Closed			
UNOCAL SERV STATION	***5050 MISSION CENTER***	***70***	***2156***
Global Id: T0608198153			
Global Id: T0608161128			
Facility Status: Completed - Case Closed			

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Site	Address	Map ID	Page
GLEN CLEANERS	***3190 ADAMS***	***83***	***2309***
Global Id: T10000005452			
Facility Status: Open - Site Assessment			
90158	***755 HOTEL CIR S***	***85***	***2407***
Global Id: T0608132165			
Global Id: T0608121104			
Global Id: T0608176605			
Facility Status: Completed - Case Closed			
TOWN & COUNTRY RESOR	***500 NORTH HOTEL CIRC***	***85***	***2454***
Status: Open			
PEREZ BOX CO AT0118	***1924 ADAMS AV***	***90***	***2487***
Global Id: T0607302288			
Facility Status: Completed - Case Closed			
RIVER VALLEY SPORTS	***2440 HOTEL CIRCLE PL***	***95***	***2539***
Global Id: T0607356780			
Facility Status: Completed - Case Closed			
SHOREBREAK	***3612 KURTZ ST***	***101***	***2586***
Global Id: T0608198857			
Facility Status: Completed - Case Closed			
GOLDEN CHARIOT TRUCK	***3495 KURTZ ST***	***102***	***2599***
Global Id: T0608180738			
Facility Status: Completed - Case Closed			
XTERMITE INC	***3477 HANCOCK ST***	***102***	***2605***
Global Id: T0607301056			
Facility Status: Completed - Case Closed			
SPORTS ARENA DODGE	***3740 ROSECRANS***	***104***	***2644***
Global Id: T0607300425			
Facility Status: Completed - Case Closed			
MIDAS MUFFLER SHOP	***3848 CAMINO DEL RIO***	***104***	***2657***
Global Id: T0608122857			
Facility Status: Completed - Case Closed			
TEXACO REFINING AND	***3711 CAMINO DEL RIO***	***104***	***2684***
Global Id: T0608113135			
Global Id: T0607301283			
Facility Status: Completed - Case Closed			
NEW ALTERNATIVES	***4311 03RD AV***	***107***	***2703***
Global Id: T0608138256			
Global Id: T0608106287			
Global Id: T0608173706			
Facility Status: Completed - Case Closed			
UCSD MEDICAL CENTER	***200 W ARBOR DR***	***108***	***2713***
Global Id: T0607301457			
Global Id: T0608166608			
Global Id: T0608111781			
Facility Status: Completed - Case Closed			
SANTA FE SHOPPING DE	***2461 SAN DIEGO AV***	***113***	***2798***
Global Id: T0608155826			
Facility Status: Completed - Case Closed			
RESIDENCE	***4066 ALBATROSS ST***	***115***	***2814***
Global Id: T0608119686			
Facility Status: Completed - Case Closed			

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
CAPITAL SERVICE Global Id: T0607301917 Facility Status: Completed - Case Closed	***1111 FORT STOCKTON D***	***117***	***2817***
PRIVATE RESIDENCE Global Id: T0607302028 Facility Status: Completed - Case Closed	***1819 SHERIDAN AV***	***118***	***2820***
SAM LEE AUTO REPAIR Global Id: T0608167222 Facility Status: Completed - Case Closed	***724 W WASHINGTON***	***122***	***2841***
PACIFICA COMPANIES Global Id: T06019769955 Facility Status: Completed - Case Closed	***4350 PACIFIC HIGHWAY***	***126***	***2857***
PACIFIC SERVICES CO Global Id: T0608167536 Facility Status: Open - Inactive	***4085 PACIFIC HWY***	***130***	***2862***

CA UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the CA UST list, as provided by EDR, and dated 06/15/2015 has revealed that there are 32 CA UST sites within the searched area.

Site	Address	Map ID	Page
KAISER MEDICAL OFFIC Facility Id: H01422	***4405 VANDEVER AVE***	***10***	***87***
COSBY OIL CORP Facility Id: H21260	***6220 FAIRMOUNT AVE***	***10***	***111***
7-ELEVEN FOOD STORE Facility Id: H21264	***6401 MISSION GORGE R***	***10***	***150***
FRIARS ROAD UNOCAL 7 Facility Id: H21262	***10385 FRIARS RD***	***10***	***164***
TEXACO USA (TERMINAL Facility Id: H04507	***9966 SAN DIEGO MISSI***	***16***	***216***
PENSKE TRUCK LEASING Facility Id: H05087	***4285 CAMINO DEL RIO***	***21***	***564***
BODY BEAUTIFUL CAR W Facility Id: H26534	***4282 CAMINO DEL RIO***	***21***	***599***
BOB WHEELER ULTRAMAR Facility Id: H12334	***6011 MISSION GORGE R***	***21***	***725***
SDCTY QUALCOMM STADI Facility Id: H21360	***9449 FRIARS RD***	***25***	***838***
SAN DIEGO GAS & ELEC Facility Id: H26487	***9060 FRIARS RD***	***31***	***943***
HAZARD CENTER CHEVRO Facility Id: H13338	***7698 FRIARS RD***	***35***	***966***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
MISSION CENTER TEXAC Facility Id: H12154	***5465 MISSION CENTER***	***35***	***1023***
MISSION VALLEY MOBIL Facility Id: H13029	***5494 MISSION CENTER***	***35***	***1086***
CAL-MAT COMPANY Facility Id: H29603	***5745 MISSION CENTER***	***35***	***1257***
INDUSTRIAL ASPHALT Facility Id: H21129	***8150 FRIARS RD***	***48***	***1418***
7-ELEVEN #13643 Facility Id: H21184	***6615 LINDA VISTA RD***	***50***	***1440***
MISSION VY CHEVRON # Facility Id: H12975	***2290 CAMINO DEL RIO***	***54***	***1489***
SDCTY-POLICE WESTERN Facility Id: H01782	***5215 GAINES ST***	***67***	***1704***
WELLS FARGO Facility Id: H21128	1350 FASHION VALLEY	69	1876
STELLA MARIS CORP Facility Id: H05129	***6899 FRIARS RD***	***69***	***1908***
MCBRIDE'S MISSION VA Facility Id: H05125	915 CAMINO DEL RIO S	70	1953
BOB BAKER FORD CHRYS Facility Id: H02961	***730 CAMINO DEL RIO N***	***70***	***2004***
COURTESY CHEVROLET Facility Id: H02747	***750 CAMINO DEL RIO N***	***70***	***2026***
MARVIN K BROWN CADII Facility Id: H02623	***1441 CAMINO DEL RIO***	***70***	***2061***
JOHN HINE PONTIAC MA Facility Id: H03389	***1545 CAMINO DEL RIO***	***70***	***2122***
UNION TRIBUNE PUBLIS Facility Id: H00174	***350 CAMINO DE LA REI***	***79***	***2235***
CHEVRON 90158 Facility Id: H21151	755 HOTEL CIR S	85	2406
TEXAS STREET ULTRAMA Facility Id: H13128	***4616 TEXAS ST***	***94***	***2513***
CONTRACTORS EQUIPMEN Facility Id: H06013	***3860 SHERMAN ST***	***102***	***2608***
COUNTY OF SD PSYCHIA Facility Id: H26500	***3851 ROSECRANS ST***	***104***	***2660***
UCSD MEDICAL CENTER Facility Id: H14312	***200 W ARBOR DR***	***108***	***2768***
HILLCREST SHELL Facility Id: H12774	***330 WASHINGTON ST***	***120***	***2832***

CA HIST UST: Historical UST Registered Database.

A review of the CA HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 77 CA HIST UST sites within the searched area.

Site	Address	Map ID	Page
DALEY CORP Facility Id: 00000006286	***2400 MURPHY CANYON R***	***3***	***19***
SEVEN UP BOTT CO Facility Id: 00000029872	4405 VANDEVER AVE	10	88
APOLLO KEY LOCK #1 Facility Id: 00000059732	6220 FAIRMOUNT AVE	10	113
PACIFIC PEBBLES INC. Facility Id: 00000049722	6267 RIVERDALE ST	10	127
ACTION COURIER Facility Id: 00000054704	***4445 GLACIER***	***10***	***134***
FRIARS ROAD UNOCAL 7 Facility Id: 00000065616	***10385 FRIARS RD***	***10***	***164***
TEXACO INC. TERMINAL Facility Id: 00000035831	9966 SAN DIEGO MISSI	16	215
EQUILON SAN DIEGO TE Facility Id: 00000033190	***9966 SAN DIEGO MISSI***	***16***	***226***
MISSION VALLEY TERMI Facility Id: 00000035005	9950 SAN DIEGO MISSI	16	466
SFPP LP Facility Id: 00000020122	***9950 SAN DIEGO MISSI***	***16***	***468***
MISSION VALLEY PLANT Facility Id: 00000020427	***9300 FRIARS RD***	***19***	***517***
MISSION VALLEY PLANT Facility Id: 00000009403	9310 FRIARS RD	19	554
PHD/LEASEWAY Facility Id: 00000067624 Facility Id: 00000067625	4285 CAMINO DEL RIO	21	591
SAN DIEGO DATSUN Facility Id: 00000038831	***5812 FAIRMOUNT AVE***	***21***	***607***
MERWIN HOXSEY Facility Id: 00000049958	5820 MISSION GORGE R	21	635
SPARKLETTS DRINKING Facility Id: 00000064142	***5930 MISSION GORGE R***	***21***	***691***
SCHMID INSULATION CO Facility Id: 00000066446	***4555 MISSION GORGE P***	***21***	***701***
CALIFORNIA NEON PROD Facility Id: 00000000229	***4530 MISSION GORGE P***	***21***	***704***
GAINES PLUMBING COMP Facility Id: 00000048010	***5975 FAIRMOUNT AVE***	***21***	***720***
BILL GINOS CHEVRON Facility Id: 00000051298	***6011 MISSION GORGE R***	***21***	***728***
AUTOMOTIVE FLEET SER Facility Id: 00000054070	***6029 FAIRMOUNT AVE***	***21***	***762***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
SPIDER'S AIRCRAFT EN Facility Id: 00000035616	***6037 FAIRMOUNT AVE***	***21***	***771***
CALIFORNIA HIGHWAY P Facility Id: 00000035433	3703 CAMINO DEL RIO	30	919
FRAZEE PAINT Facility Id: 00000007428	***5448 MISSION CTR RD***	***35***	***1010***
TEXACO Facility Id: 00000016085	5465 MISSION CENTER	35	1046
STANLEY FANDEL Facility Id: 00000039450	5494 MISSION CENTER	35	1084
SAN DIEGO YARD Facility Id: 00000014691	***1501 FRAZEE RD***	***35***	***1088***
SAN DIEGO MESA COLLE Facility Id: 00000030186	***7250 MESA COLLEGE DR***	***35***	***1095***
US RENTALS Facility Id: 00000040472	1544 FRAZEE RD	35	1153
UNIVERSITY MECHANICA Facility Id: 00000044282	***4464 ALVARADO CANYON***	***37***	***1323***
MAX PHOTO Facility Id: 00000068760	***1640 CAMINO DEL RIO***	***42***	***1362***
MISSION VALLEY Facility Id: 00000001124	2240 STADIUM WAY	42	1397
INDUSTRIAL ASPHALT Facility Id: 00000002115	***8150 FRIARS RD***	***48***	***1418***
APOLLO GAS Facility Id: 00000045977	***6645 LINDA VISTA RD***	***50***	***1460***
94991 Facility Id: 00000062699	***2290 CAMINO DEL RIO***	***54***	***1484***
HAZARD CONTR. MAIN Y Facility Id: 00000021526	7501 FRIARS RD	59	1586
CARLS COCKTAIL LOUNG Facility Id: 00000002281	***880 SHERMAN ST***	***67***	***1670***
NINTEMAN CONSTRUCTIO Facility Id: 00000000616	5320 CUSTER ST	67	1675
WALKER SCOTT COMPANY Facility Id: 00000007353	***908 SHERMAN ST***	***67***	***1677***
FLORENTINE COMPANY Facility Id: 00000068911	5353 BANKS ST	67	1683
POLICE DEPARTMENT Facility Id: 00000024479	5215 GAINES ST	67	1703
GALLO MOTOR TRANSPOR Facility Id: 00000052477	***5255 LOVELOCK ST***	***67***	***1729***
CANTEEN OF SAN DIEGO Facility Id: 00000011821	5444 NAPA ST	67	1735
CALIFORNIA HIGHWAY P Facility Id: 00000035436 Facility Id: 00000017996	***4902 PACIFIC HWY***	***67***	***1748***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
ANTHONY'S FISH GROTT Facility Id: 00000012152	***5232 LOVELOCK ST***	***67***	***1760***
PM CHEMICAL COMPANY Facility Id: 00000040191	5325 GRANT ST	67	1773
VALLEY VINTNERS WINE Facility Id: 00000008990	5202 LOVELOCK ST	67	1777
HOBART SALES/SERVICE Facility Id: 00000060575	***5390 NAPA ST***	***67***	***1785***
PAPER RECOVERY OF SA Facility Id: 00000068910	5222 LOVELOCK ST	67	1804
NDC DISTRIBUTORS, IN Facility Id: 00000004152	1040 SHERMAN ST	67	1807
BERGEN BRUNSWIG CORP Facility Id: 00000000799	1004 CUDAHY PL	67	1818
BERGEN BRUNSWIG DRUG Facility Id: 00000054677	***1004 CUDAHY PL***	***67***	***1818***
COLORAMA PAINTS Facility Id: 00000000693	***5261 LINDA VISTA RD***	***67***	***1819***
THE COCA-COLA BOTTLI Facility Id: 00000064612	5330 LINDA VISTA RD	67	1830
MISSION BAY AUTOMOTI Facility Id: 00000047981	***1125 MORENA BLVD***	***67***	***1852***
MICHAEL A TOMMANEY Facility Id: 00000026731	6899 FRIARS RD	69	1915
ARCO FACILITY #3037 Facility Id: 00000026721	***915 CAMINO DEL RIO***	***70***	***1953***
COURTESY CHEVROLET Facility Id: 00000019537	***750 CAMINO DEL RIO N***	***70***	***2026***
MARVIN K BROWN CADIL Facility Id: 00000011633	***1441 CAMINO DEL RIO***	***70***	***2048***
JOHN HINE MAZDA Facility Id: 00000000719	***1545 CAMINO DEL RIO***	***70***	***2096***
UNION OIL SERVICE ST Facility Id: 00000020019	5050 MISSION CENTER	70	2159
TARGET #1410 Facility Id: 00000021176	***1288 CAMINO DEL RIO***	***70***	***2175***
MONTGOMERY WARD MISS Facility Id: 00000063275	1288 CAMINO DEL RIO	70	2183
UNION TRIBUNE PUBLIS Facility Id: 00000010328	***350 CAMINO DE LA REI***	***79***	***2235***
MIDWAY JEEP CHRYSLER Facility Id: 00000011689	***777 CAMINO DEL RIO S***	***84***	***2342***
HATEF BOGZARAN Facility Id: 00000039318	1110 HOTEL CIR S	85	2384
90158 Facility Id: 00000061741	***755 HOTEL CIR S***	***85***	***2407***

Site	Address	Map ID	Page
HOTEL CIRCLE SEVENTY Facility Id: 00000059619	***504 HOTEL CIRCLE N***	***85***	***2435***
FIRESTONE FASHION VA Facility Id: 00000005929	140 FASHION VLY	85	2440
BOBS SERVICE CENTER Facility Id: 00000051271	2101 ADAMS AVE	88	2475
CALTRANS Facility Id: 00000064981	3024 JUAN ST	99	2574
GOLDEN CHARIOT TRUCK Facility Id: 00000065109	***3495 KURTZ ST***	***102***	***2599***
CONTRACTORS EQUIPMEN Facility Id: 00000004464	***3860 SHERMAN ST***	***102***	***2608***
TEXACO REFINING AND Facility Id: 00000007302	***3711 CAMINO DEL RIO***	***104***	***2684***
UNIVERSITY OF CALIFO Facility Id: 00000020401	225 DICKINSON ST # H	108	2771
UNIVERSITY OF CALIFO Facility Id: 00000009224	225 DICKINSON ST	108	2789
SAM LEE AUTO REPAIR Facility Id: 00000013338	***724 W WASHINGTON***	***122***	***2841***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, has revealed that there is 1 NY MANIFEST site within the searched area.

Site	Address	Map ID	Page
SAN DIEGO MESA COLLE	***7250 MESA COLLEGE DR***	***35***	***1095***

CA SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the CA SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 134 CA SWEEPS UST sites within the searched area.

Site	Address	Map ID	Page
DALEY CORP Comp Number: 3378 Status: A Tank Status: A	***2400 MURPHY CANYON R***	***3***	***6***
ARCO #1761 Comp Number: 12275 Status: A Tank Status: A	***2696 MISSION VILLAGE***	***6***	***30***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
TEXACO Comp Number: 13023 Status: A Tank Status: A	***6605 MISSION GORGE R***	***7***	***42***
KAISER MEDICAL OFFIC Comp Number: 1422 Status: A Tank Status: A	***4405 VANDEVER AVE***	***10***	***87***
ALLIED GARDENS TOWIN Comp Number: 12242 Status: A Tank Status: A	***4334 SHERIDAN LN***	***10***	***105***
APOLLO OIL CO Comp Number: 21260 Status: A Tank Status: A	***6220 FAIRMOUNT AVE***	***10***	***108***
CABRILLO CRANE & RIG Comp Number: 4502 Status: A Tank Status: A	6232 FAIRMOUNT AVE	10	114
PACIFIC PEBBLES INCO Comp Number: 5263 Status: A	***6267 RIVERDALE ST***	***10***	***128***
7-ELEVEN STORE #2762 Comp Number: 21264 Status: A Tank Status: A	***6401 MISSION GORGE R***	***10***	***146***
FRIARS ROAD UNOCAL 7 Comp Number: 21262 Status: A Tank Status: A	***10385 FRIARS RD***	***10***	***164***
SIERRA SPRINGS Comp Number: 844 Status: A	***10306 SAN DIEGO MISS***	***14***	***185***
SAN DIEGO SCHOOLS-TR Comp Number: 14087 Status: A Tank Status: A	***2351 CARDINAL LN***	***15***	***199***
TEXACO USA (TERMINAL Comp Number: 4507 Status: A Tank Status: A	***9966 SAN DIEGO MISSI***	***16***	***216***
MISSION VALLEY TERMI Comp Number: 21132 Status: A	9950 SAN DIEGO MISSI	16	460
SFPP LP Comp Number: 28545 Status: A Tank Status: A	***9950 SAN DIEGO MISSI***	***16***	***468***
MISSION VALLEY PLANT Comp Number: 4132	9950 SAN DIEGO MISSI	16	496

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
H G FENTON MATERIAL Comp Number: 21131	***7400 MURRAY CANYON R***	***19***	***521***
MISSION VALLEY PLANT Comp Number: 2325 Status: A Tank Status: A	***9300 FRIARS RD***	***19***	***525***
PENSKE TRUCK LEASING Comp Number: 5087 Status: A Tank Status: A	***4285 CAMINO DEL RIO***	***21***	***564***
BODY BEAUTIFUL CAR W Comp Number: 26534 Status: A Tank Status: A	4282 N CAMINO DEL RI	21	598
SAN DIEGO DATSUN Comp Number: 13251 Status: A Tank Status: A	***5812 FAIRMOUNT AVE***	***21***	***607***
ROSHAN GUPTA Comp Number: 12791 Status: A Tank Status: A	***5820 N MISSION GORGE***	***21***	***629***
RAIN BEAU AT0578 Comp Number: 4736 Status: A	***5805 MISSION GORGE R***	***21***	***646***
ROSE TOYOTA Comp Number: 4235 Status: A Tank Status: A	***5910 MISSION GORGE R***	***21***	***663***
AHRENS CORPORATION Comp Number: 28737 Status: A Tank Status: A	***5915 MISSION GORGE R***	***21***	***682***
SAPPER CONSTRUCTION Comp Number: 29213 Status: A	***5927 MISSION GORGE R***	***21***	***685***
SPARKLETTS DRINKING Comp Number: 1078 Status: A	***5930 MISSION GORGE R***	***21***	***691***
SCHMID INSULATION Comp Number: 3699 Status: A	***4555 MISSION GORGE P***	***21***	***703***
CALIFORNIA NEON PROD Comp Number: 2709 Status: A Tank Status: A	***4530 MISSION GORGE P***	***21***	***704***
GAINES PLUMBING COMP Comp Number: 4563	***5975 FAIRMOUNT AVE***	***21***	***720***
AUTOMOTIVE FLEET SER Comp Number: 15538 Status: A	***6029 FAIRMOUNT AVE***	***21***	***762***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
SPIDER'S AIRCRAFT EN Comp Number: 15976	***6037 FAIRMOUNT AVE***	***21***	***771***
ONES PORTABLE WELDIN Comp Number: 26157 Status: A Tank Status: A	***6061 FAIRMOUNT AVE***	***21***	***775***
MISSION GORGE TEXACO Comp Number: 13025 Status: A Tank Status: A	***6075 MISSION GORGE R***	***21***	***781***
MERRILL LA FRANCE Comp Number: 13024 Status: A Tank Status: A	***6101 MISSION GORGE R***	***21***	***805***
CHEVRON SERVICE STAT Comp Number: 12229 Status: A	***4525 WARING RD***	***23***	***814***
CTY SD- J.M. STADIUM Comp Number: 21360 Status: A Tank Status: A	9449 FRIARS RD	25	829
DYTRON/FORMER GOLDEN Comp Number: 3085 Status: A Tank Status: A	***6901 LINDA VISTA ROA***	***26***	***865***
SDG&E - MISSION SWIT Comp Number: 26487 Status: A Tank Status: A	***9060 FRIARS RD***	***31***	***936***
QUALTECH AUTO COLLIS Comp Number: 5236 Status: A Tank Status: A	***4660 ALVARADO CANYON***	***32***	***953***
CHEVRON / FRIARS RD Comp Number: 13338 Status: A Tank Status: A	***7698 FRIARS RD***	***35***	***972***
FRAZEE PAINT Comp Number: 16035 Status: A	***5448 MISSION CTR RD***	***35***	***1010***
MISSION CENTER TEXAC Comp Number: 12154 Status: A Tank Status: A	***5465 MISSION CENTER***	***35***	***1023***
MOBIL #18 G6F 12721 Comp Number: 13029 Status: A Tank Status: A	***5494 MISSION CENTER***	***35***	***1061***
SAN DIEGO YARD Comp Number: 4845	***1501 FRAZEE RD***	***35***	***1088***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
SAN DIEGO MESA COLLE Comp Number: 14065 Status: A Tank Status: A	***7250 MESA COLLEGE DR***	***35***	***1095***
U S RENTALS Comp Number: 19241	1544-A W FRAZEE RD A	35	1143
CAL-MAT COMPANY Comp Number: 29603 Status: A Tank Status: A	***5745 MISSION CENTER***	***35***	***1257***
UNIVERSITY MECH CONT Comp Number: 36 Status: A	***4464 ALVARADO CANYON***	***37***	***1319***
LENSCRAFTERS #268 Comp Number: 32534	***1640 N CAMINO DEL RI***	***42***	***1366***
CARSON ELEMENTARY SC Comp Number: 21181 Status: A	***6905 KRAMER STREET***	***46***	***1411***
INDUSTRIAL ASPHALT Comp Number: 21129 Status: A Tank Status: A	***8150 FRIARS RD***	***48***	***1418***
MAXWELL W F CO INC Comp Number: 21125	3051 N CAMINO DEL RI	49	1425
CENTERSIDE ONE Comp Number: 29774 Status: A Tank Status: A	3111 CAMINO DEL RIO	49	1427
7-ELEVEN #13643 Comp Number: 21184 Status: A Tank Status: A	***6615 LINDA VISTA RD***	***50***	***1440***
APOLLO GAS Comp Number: 12773 Status: A Tank Status: A	***6645 LINDA VISTA RD***	***50***	***1460***
CHEVRON CAMINO DEL R Comp Number: 12975 Status: A Tank Status: A	***2290 CAMINO DEL RIO***	***54***	***1477***
NORWICH/VAN RAAPHORS Comp Number: 21127	2635 S CAMINO DEL RI	57	1529
R. E. HAZARD Comp Number: 1350 Status: A	***7501 FRIARS RD***	***59***	***1575***
SEARS WAREHOUSE Comp Number: 26468 Status: A	***5258 ANNA ST***	***67***	***1665***
RESCUE INDUSTRIES Comp Number: 24729 Status: A Tank Status: A	4850 PACIFIC HIGHWAY	67	1668

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
CARL'S BAR SUPPLIES Comp Number: 3573	***880 SHERMAN ST***	***67***	***1669***
CARLS COCKTAIL LOUNG Comp Number: 3573 Status: A	***880 SHERMAN ST***	***67***	***1670***
NINTEMAN CONSTRUCTIO Comp Number: 3304 Status: A	***5320 CUSTER ST***	***67***	***1673***
WALKER SCOTT Comp Number: 21163 Status: A	***908 SHERMAN ST***	***67***	***1675***
FLORENTINE CO Comp Number: 3199 Status: A	***5353 BANKS ST***	***67***	***1684***
LLOYD PEST CONTROL Comp Number: 11498 Status: A Tank Status: A	***935 SHERMAN ST***	***67***	***1688***
VITA PACK CITRUS PRO Comp Number: 3572	***5265 LOVELOCK ST***	***67***	***1701***
SDCTY-POLICE WESTERN Comp Number: 1782 Status: A Tank Status: A	***5215 GAINES ST***	***67***	***1704***
GALLO MOTOR TRANSPOR Comp Number: 21143	***5255 LOVELOCK ST***	***67***	***1729***
TRUST REAL ESTATE SE Comp Number: 21202 Status: A	***5225 LOVELOCK ST***	***67***	***1732***
CANTEEN OF SAN DIEGO Comp Number: 4655	***5444 NAPA ST***	***67***	***1736***
COMMERCIAL FACILITIE Comp Number: 22775 Status: A	***5260 GAINES ST***	***67***	***1740***
CALIFORNIA HIGHWAY P Comp Number: 3851 Status: A Tank Status: A	***4902 PACIFIC HWY***	***67***	***1748***
ANTHONY'S FISH GROTT Comp Number: 2844 Status: A	***5232 LOVELOCK ST***	***67***	***1760***
SAN DIEGO BOAT MOVER Comp Number: 26570 Status: A	***5405 NAPA ST***	***67***	***1763***
SEARS & ROEBUCK Comp Number: 21164 Status: A	***960 SHERMAN ST***	***67***	***1768***
P M CHEMICAL CO INC Comp Number: 380 Status: A	5325 GRANT ST	67	1773

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
VALLEY VINTNERS WINE Comp Number: 21160 Status: A	***5202 LOVELOCK ST***	***67***	***1775***
HOBART SALES/SERVICE Comp Number: 3122 Status: A	***5390 NAPA ST***	***67***	***1785***
PAPER RECOVERY OF SA Comp Number: 518	***5222 LOVELOCK ST***	***67***	***1799***
AUTO PARTS CLUB Comp Number: 4604 Status: A	***1040 N SHERMAN ST***	***67***	***1805***
BAY PARK TOWING Comp Number: 30151 Status: A	***915 MORENA BLVD***	***67***	***1813***
COLORAMA PAINTS Comp Number: 15384 Status: A	***5261 LINDA VISTA RD***	***67***	***1819***
AIQ INC Comp Number: 5384 Status: A	***4903 PACIFIC HY***	***67***	***1821***
COCA COLA BOTTLING C Comp Number: 4967 Status: A	***5330 LINDA VISTA RD***	***67***	***1831***
AD-CO INCOME TAX SER Comp Number: 29554	***5411 LINDA VISTA RD***	***67***	***1842***
MISSION BAY AUTOMOTI Comp Number: 13429 Status: A	***1125 MORENA BLVD***	***67***	***1856***
MISSION CHEMICAL Comp Number: 22857 Status: A	***4990 NAPLES ST***	***67***	***1861***
WELLS FARGO Comp Number: 21128 Status: A Tank Status: A	***1350 FASHION VALLEY***	***69***	***1875***
STELLA MARIS CORP Comp Number: 5129 Status: A Tank Status: A	6899 FRIARS RD 3052	69	1906
NEXUS DEVELOPMENT Comp Number: 21359 Status: A Tank Status: A	1011 S CAMINO DEL RI	70	1948
ARCO #03037 A S INVE Comp Number: 5125 Status: A Tank Status: A	***915 CAMINO DEL RIO S***	***70***	***1959***
TOWNSEND LINCOLN MER Comp Number: 4863 Status: A Tank Status: A	***588 CAMINO DEL RIO N***	***70***	***1992***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
BOB BAKER FORD CHRYS Comp Number: 2961 Status: A Tank Status: A	***730 CAMINO DEL RIO N***	***70***	***2004***
COURTESY CHEVROLET Comp Number: 2747 Status: A Tank Status: A	***750 CAMINO DEL RIO N***	***70***	***2026***
MARVIN K BROWN CADII Comp Number: 2623 Status: A Tank Status: A	***1441 CAMINO DEL RIO***	***70***	***2061***
JOHN HINE PONTIAC MA Comp Number: 3389 Status: A Tank Status: A	***1545 CAMINO DEL RIO***	***70***	***2122***
MONTGOMERY WARD SVC Comp Number: 13036 Status: A	***1288 CAMINO DEL RIO***	***70***	***2136***
UNOCAL SERV STATION Comp Number: 591 Status: A Tank Status: A	***5050 MISSION CENTER***	***70***	***2152***
HANDLERY HOTEL & COU Comp Number: 2932 Status: A Tank Status: A	***5900 FRIARS RD***	***77***	***2227***
UNION TRIBUNE PUBLIS Comp Number: 174 Status: A Tank Status: A	***350 CAMINO DE LA REI***	***79***	***2235***
AVON CAR RENTAL Comp Number: 12115	***1111 FASHION VALLEY***	***81***	***2282***
ULTRAMAR STATION #1- Comp Number: 4752 Status: A Tank Status: A	***3150 ADAMS AVE***	***83***	***2306***
ADAM AUTO REPAIR Comp Number: 12927 Status: A	***3250 ADAMS AV***	***83***	***2319***
MIDWAY JEEP CHRYSLER Comp Number: 3274 Status: A Tank Status: A	***777 CAMINO DEL RIO S***	***84***	***2342***
PRESIDENTIAL LIMOUSI Comp Number: 12785 Status: A	2085 S HOTEL CIR	85	2357
HATEF BOGZARAN Comp Number: 3614	1110 N N HOTEL CIR	85	2391
CHEVRON 90158 Comp Number: 21151 Status: A Tank Status: A	755 S HOTEL CIR	85	2393

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
HOTEL CIRCLE SEVENTY Comp Number: 12786 Status: A	504 N HOTEL CIR	85	2432
FIRESTONE Comp Number: 15985 Status: A Tank Status: A	140 FASHION VALLEY C	85	2442
TOWN & COUNTRY HOTEL Comp Number: 28998 Status: A Tank Status: A	500 N HOTEL CIR	85	2461
HENRY'S GARAGE Comp Number: 12770 Status: A	***2821 ADAMS AVE***	***86***	***2467***
JOSEPH H. GIESEN Comp Number: 12203 Status: A	***2101 ADAMS AVE***	***88***	***2477***
RUDI LUSTI INC. Comp Number: 13232 Status: A	***4664 PARK BLVD***	***90***	***2485***
SAN DIEGO PAPER BOX Comp Number: 21234 Status: A	***1924 ADAMS AVE***	***90***	***2489***
ULTRAMAR / TEXAS ST Comp Number: 13128 Status: A Tank Status: A	***4616 TEXAS ST***	***94***	***2506***
G.B. SALES Comp Number: 4282 Status: A Tank Status: A	***4441 PARK BLVD***	***100***	***2578***
CLIFF BROWN AUTOMOTI Comp Number: 12385 Status: A Tank Status: A	***4491 PARK BLVD***	***100***	***2580***
LOYOLA TRUCKING INC Comp Number: 21153	***3495 KURTZ ST***	***102***	***2598***
GOLDEN BOY PIES OF S Comp Number: 21146 Status: A Tank Status: A	***3465 HANCOCK ST***	***102***	***2602***
XTERMITE INC Comp Number: 4589 Status: A	***3477 HANCOCK ST***	***102***	***2605***
NRC ENVIRONMENTAL SE Comp Number: 29856 Comp Number: 22793 Status: A Tank Status: A	***2950 KURTZ ST***	***104***	***2645***
CALIFORNIA SPORTS CA Comp Number: 32113	***3750 ROSECRANS ST***	***104***	***2654***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
MIDAS MUFFLER SHOP Comp Number: 30715	***3848 CAMINO DEL RIO***	***104***	***2657***
COUNTY OF SD PSYCHIA Comp Number: 26500 Status: A Tank Status: A	***3851 ROSECRANS ST***	***104***	***2660***
CALLAHAN BROS CONSTR Comp Number: 21159 Status: A	***3025 MOORE ST***	***104***	***2668***
ARCO SERVICE STATION Comp Number: 13263 Status: A	***3720 CAMINO DEL RIO***	***104***	***2673***
TEXACO SERVICE STATI Comp Number: 21148 Status: A Tank Status: A	***3711 CAMINO DEL RIO***	***104***	***2676***
NIELSON CONSTRUCTION Comp Number: 6038 Status: A Tank Status: A	***3127 JEFFERSON***	***104***	***2694***
SCRIPPS HOSPICE Comp Number: 29232 Status: A	***4311 3RD AVE***	***107***	***2701***
ENVIRONMENTAL HEALTH Comp Number: 14312 Status: A Tank Status: A	225 W DICKINSON ST	108	2786
SHELL SERVICE STATIO Comp Number: 12774 Status: A Tank Status: A	***330 WASHINGTON ST***	***120***	***2826***
SAM LEE AUTO REPAIR Comp Number: 12926 Status: A Tank Status: A	***724 W WASHINGTON***	***122***	***2841***

CA CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CA CHMIRS list, as provided by EDR, and dated 04/14/2015 has revealed that there are 91 CA CHMIRS sites within the searched area.

Site	Address	Map ID	Page
Not reported OES Incident Number: 01-2465	6009 RANCHO MISSION	14	173
Not reported OES Incident Number: '08-7882	10475 SAN DIEGO MISS	14	177

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
Not reported OES Incident Number: 01-1172	10405 SAN DIEGO MISS	14	183
Not reported OES Incident Number: '13-1930	6191 RANCHO MISSION	14	192
Not reported OES Incident Number: 06-2230	9950 SAN DIEGO MISSI	16	234
Not reported OES Incident Number: 05-3862	RACK 1 EAST / 9950 S	16	237
Not reported OES Incident Number: 05-5850	MISSION VALLEY TERMI	16	238
Not reported OES Incident Number: 06-0245	OUTSIDE TERMINAL NEA	16	240
Not reported OES Incident Number: 05-3871	LOADING RACK 2 / 995	16	241
Not reported OES Incident Number: 01-0061	9950 MISSION ROAD	16	243
Not reported OES Incident Number: 05-5851	9950 SAN DIEGO MISSI	16	244
Not reported OES Incident Number: 05-5739	MISSION VALLEY TERMI	16	246
Not reported OES Incident Number: 006087	9950 SAN DIEGO MISSI	16	247
EQUILON MISSION VALL Date Completed: 07-MAR-09 OES Incident Number: 05-3859 OES Incident Number: 05-7301 OES Incident Number: 9115752 OES Incident Number: 06-0521 OES Incident Number: 05-6449 **Additional key fields are available in the Map Findings section*	***9950 SAN DIEGO MISSI***	***16***	***249***
Not reported OES Incident Number: 05-3892 OES Incident Number: 06-3710 OES Incident Number: 05-4110 OES Incident Number: 05-3986 OES Incident Number: 01-5266 **Additional key fields are available in the Map Findings section*	9950 SAN DIEGO MISSI	16	275
Not reported OES Incident Number: '08-8175 OES Incident Number: '08-3578 OES Incident Number: '08-2954 OES Incident Number: '08-1200 OES Incident Number: '08-4982	***9950 SAN DIEGO MISSI***	***16***	***292***
Not reported OES Incident Number: 5807	MISSION VALLEY TERMI	16	333
SFPP, LP/KINDER MORG OES Incident Number: 06-1820 OES Incident Number: 07-0514 OES Incident Number: 05-5310 OES Incident Number: 07-7642 OES Incident Number: 06-7108 **Additional key fields are available in the Map Findings section*	***9950 SAN DIEGO MISSI***	***16***	***334***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
Not reported OES Incident Number: 06-6466	KINDER MORGAN 9950 S	16	412
MISSION VALLEY BULK OES Incident Number: 05-5459 OES Incident Number: 11-3540 OES Incident Number: '10-2288 OES Incident Number: '10-2274	***9950 SAN DIEGO MISSI***	***16***	***413***
Not reported OES Incident Number: 07-2570	9950 SAN DIEGO MISSI	16	452
Not reported OES Incident Number: 04-6770	9950 SAN DIEGO MISSI	16	462
Not reported OES Incident Number: '08-5203	9950 SAN DIEGO MISSI	16	464
SFPP LP OES Incident Number: '08-6402 OES Incident Number: '08-1510	***9950 SAN DIEGO MISSI***	***16***	***468***
Not reported OES Incident Number: '08-8330	9950 SAN DEIGO MISSI	16	488
Not reported OES Incident Number: 05-6035	9950 SAN DIEGO MISSI	16	491
Not reported OES Incident Number: '08-4342	9950 SAN DIEGO MISSI	16	492
Not reported Date Completed: 20-FEB-91 OES Incident Number: 9115493	9770 FRIARS ROAD	16	504
Not reported OES Incident Number: 05-7068	FRIARS RD EAST AT MI	18	507
Not reported OES Incident Number: 04-4418	4285 CAMINO DEL RIO	21	562
Not reported Date Completed: 25-APR-90 OES Incident Number: 9010507	I-8 EAST @ FAIRMONT	21	596
Not reported OES Incident Number: 04-5253	2555 NORTHSIDE DR	22	813
MISSION BASILICA SAN OES Incident Number: 05-1830	***10818 SAN DIEGO MISS***	***24***	***822***
Not reported OES Incident Number: '08-1245 OES Incident Number: '13-2098 OES Incident Number: 05-5121	9449 FRIARS ROAD	25	830
Not reported OES Incident Number: 010944	PARKING LOT, JACK MU	25	834
SDCTY QUALCOMM STADI OES Incident Number: 03-1087	***9449 FRIARS RD***	***25***	***838***
Not reported OES Incident Number: 14-0895	9449 FRIARS RD	25	858
Not reported OES Incident Number: 07-6374	QUALEOMM STADIUM, 94	25	862

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
Not reported OES Incident Number: 02-4453	LOWES 2318 NORTHSIDE	27	880
Not reported OES Incident Number: 02-2049	10715 CAMINITO CASCA	28	884
Not reported Date Completed: 01-MAR-88 OES Incident Number: 9990098	I-8 TO I-15	30	926
Not reported Date Completed: 24-JAN-88 OES Incident Number: 9992011	SOUTH BOUND I-15 @ C	30	931
Not reported OES Incident Number: 14-0760	5585 RANCHO MISSION	30	933
Not reported OES Incident Number: 00-2808	5494 MISSION CENTER	35	1059
SAN DIEGO YARD OES Incident Number: 97-1620	***1501 FRAZEE RD***	***35***	***1088***
Not reported OES Incident Number: 03-4167	FRIARS RD. & MISSION	35	1090
Not reported OES Incident Number: 14-0551	2169 FENTON PARKWAY	39	1339
Not reported OES Incident Number: 06-3945	1640 CAMINO DEL RIO	42	1372
Not reported OES Incident Number: 03-3577	2195 STATION VILLAGE	42	1377
Not reported Date Completed: 16-OCT-90 OES Incident Number: 9099629	FRIANS ROAD & STADIU	42	1398
Not reported OES Incident Number: 02-1055	10041 RIO SAN DIEGO	43	1399
Not reported Date Completed: 01-NOV-89 OES Incident Number: 8908672	8885 RIO SAN DIEGO R	44	1404
TST OES Incident Number: 06-7427	***6619 LINDA VISTA RD***	***50***	***1451***
Not reported OES Incident Number: 06-7126	2667 CAMINO DEL RIO	54	1492
Not reported OES Incident Number: 01-7165	2600 CAMINO DEL RIO	54	1493
MISSION VALLEY CHIRO OES Incident Number: 99-5080	***5005 TEXAS ST***	***57***	***1516***
NAS MIRAMAR OES Incident Number: 03-3419	***UNKNOWN***	***57***	***1547***
Not reported Date Completed: 02-NOV-89 OES Incident Number: 8908749	I-8 AND I-805 NORTHB	57	1571
Not reported Date Completed: 14-JAN-91 OES Incident Number: 9114956	7676 HAZARD CENTER R	62	1610

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
Not reported OES Incident Number: 98-2764	MISSION CENTER ROAD	62	1613
Not reported OES Incident Number: '10-4963	HAZARD CENTER DRIVE	62	1614
Not reported OES Incident Number: 016767	MISSION CENTER RD AN	62	1615
FOOD 4 LESS #333 OES Incident Number: 11-0523	***7730 HAZARD CENTER D***	***62***	***1617***
MISSION VALLEY YMCA OES Incident Number: '10-5976	***5505 FRIARS RD***	***67***	***1678***
FLORENTINE CO Date Completed: 26-FEB-90 OES Incident Number: 9000382	***5353 BANKS ST***	***67***	***1684***
SAN DIEGO BOAT MOVER OES Incident Number: 012672	***5405 NAPA ST***	***67***	***1763***
Not reported OES Incident Number: 010654	FASHION VALLEY RD AN	69	1916
Not reported OES Incident Number: 04-4935	1065 CAMINO DEL RIO	70	1948
Not reported OES Incident Number: 02-6726	911 CAMINO DEL RIO S	70	1982
Not reported Date Completed: 29-MAR-89 OES Incident Number: 8905394	1229 CAMINO DEL RIO	70	2040
Not reported OES Incident Number: 07-6444	1750 CAMINO DEL RIO	70	2170
Not reported OES Incident Number: 5686	#4862 (STATION NOT I	70	2174
Not reported OES Incident Number: 03-5876	1400 CAMINO DE LA RE	70	2193
Not reported OES Incident Number: 07-3264	6576 FRYERS RD	72	2197
Not reported OES Incident Number: 99-1688	6596 FRIARS ROAD	72	2199
Not reported OES Incident Number: 01-0964	6314 FRIARS RD	76	2221
Not reported OES Incident Number: 01-4194	FRIARS RD. AT VIA LA	76	2223
Not reported OES Incident Number: 97-4095	1333 HOTEL CIRCLE SO	85	2356
Not reported OES Incident Number: 06-4087	1345 HOTEL CIR SOUTH	85	2373
Not reported OES Incident Number: 07-4756	1235 HOTEL CIRCLE SO	85	2376
Not reported OES Incident Number: 05-4551	1440 HOTEL CIRCLE NO	85	2378
THE HANDLERY HOTEL OES Incident Number: 14-0317	***1440 HOTEL CIRCLE NO***	***85***	***2380***

Site	Address	Map ID	Page
Not reported OES Incident Number: 07-1909	755 HOTEL CIRCLE SOU	85	2400
Not reported OES Incident Number: 00-3170	595 HOTEL CIR. SOUTH	85	2423
Not reported OES Incident Number: 00-3801 OES Incident Number: 00-5015	595 HOTEL CIRCLE SOU	85	2424
Not reported OES Incident Number: 00-3877	***950 HOTEL CIRCLE NOR***	***85***	***2427***
ULTRAMAR / TEXAS ST OES Incident Number: 97-3907	***4616 TEXAS ST***	***94***	***2506***
HARBOR PEST CONTROL OES Incident Number: 11-1327	***2495 HOTEL CIRCLE PL***	***95***	***2533***
Not reported OES Incident Number: 015647	2485 HOTEL CIRCLE PL	95	2535
Not reported Date Completed: 25-FEB-91 OES Incident Number: 9115636	550 MORENA BLVD.	98	2545
COUNTY OF SD PSYCHIA OES Incident Number: 11-2153	***3851 ROSECRANS ST***	***104***	***2660***

CA LDS: The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

A review of the CA LDS list, as provided by EDR, and dated 03/13/2015 has revealed that there are 4 CA LDS sites within the searched area.

Site	Address	Map ID	Page
CLASS 2 SOIL TRTMENT Status: Completed - Case Closed Global Id: L10003934287 Global Id: L10002398978	***9310 FRIARS RD***	***19***	***542***
THERMAL TREATMENT FA Status: Completed - Case Closed Global Id: L10001749414	***2365 NORTHSIDE DR, B***	***27***	***881***
MURRAY RIDGE PARK Status: Open - Closed/with Monitoring Global Id: L10002655876	MISSION CENTER	35	1213
FRANCIS PARKER SCHOO Status: Open - Closing/with Monitoring Global Id: L10008321362	***6501 LINDA VISTA ROA***	***58***	***1573***

EXECUTIVE SUMMARY

CA AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the CA AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 17 CA AST sites within the searched area.

Site	Address	Map ID	Page
MAXIM CRANE WORKS	***6232 FAIRMOUNT AVENU***	***10***	***114***
SFPP, LP/KINDER MORG	***9950 SAN DIEGO MISSI***	***16***	***334***
PENSKE TRUCK LEASING	***4285 CAMINO DEL RIO***	***21***	***567***
QUICKI OIL CHANGE	4232 CAMINO DEL RIO	21	597
HONDA MISSION VALLEY	***5812 MISSION GORGE R***	***21***	***617***
TOYOTA SAN DIEGO	***5910 MISSION GORGE R***	***21***	***669***
SDCTY QUALCOMM STADI	***9449 FRIARS RD***	***25***	***838***
VULCAN- CAL-MAT DIVI	***5745 MISSION CENTER***	***35***	***1227***
UNIVERSITY OF SAN DI	***5998 ALCALA PK***	***64***	***1634***
CALIFORNIA HIGHWAY P	4902 PACIFIC HY	67	1748
FIRESTONE #22F2	***6977 FRIARS RD***	***69***	***1919***
TOWNSEND LINCOLN MER	***588 CAMINO DEL RIO N***	***70***	***1992***
BOB BAKER FORD CHRYS	***730 CAMINO DEL RIO N***	***70***	***2004***
COURTESY CHEVROLET	***750 CAMINO DEL RIO N***	***70***	***2026***
MARVIN K BROWN AUTO	1441 CAMINO DEL RIO	70	2056
JOHN HINE PONTIAC MA	***1545 CAMINO DEL RIO***	***70***	***2122***
MIDWAY JEEP/CHRYSLER	***777 CAMINO DEL RIO***	***84***	***2326***

CA MCS: The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

A review of the CA MCS list, as provided by EDR, and dated 03/13/2015 has revealed that there are 2 CA MCS sites within the searched area.

Site	Address	Map ID	Page
NAVAL BASE SAN DIEGO	***0 ADMIRAL BAKER FLD***	***5***	***24***
Status: Completed - Case Closed			
Global Id: T06019773786			
SAN DIEGO NISE-WEST	***4297 PACIFIC COAST H***	***114***	***2799***
Status: Completed - Case Closed			
Global Id: T0607399071			

CA Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the CA Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there are 33 CA Notify 65 sites within the searched area.

Site	Address	Map ID	Page
BIRMINGTON DR. & MEA		2	5
Not reported	7850 VISTA HILL	4	23
Not reported	7850 VISTA HILLS	4	23
ARCO #1761	***2696 MISSION VILLAGE***	***6***	***30***

Site	Address	Map ID	Page
Not reported	2418 FLEETWOOD	17	505
Not reported	2418 FLEETWOOD ST	17	505
Not reported	2400 BLK OF FLEETWOO	17	506
2412 FLEETWOOD IN CA		17	506
MOBIL SERVICE STATIO	***5494 MISSION CENTER***	***35***	***1075***
SPARKS AVE & SPARKS		45	1410
RELIEF VALVE CLAPPER	I-5 AND S.D. RIVER C	67	1664
Not reported	1079 WEST MORENA BLV	67	1846
COURTESY CHEVROLET	***750 CAMINO DEL RIO N***	***70***	***2026***
Not reported	4800 FAIRMOUNT AVE	78	2231
Not reported	***950 HOTEL CIRCLE NOR***	***85***	***2427***
FAIRMOUNT AV & ALDIN		87	2473
Not reported	4644 VISTA ST.	92	2494
Not reported	2484 HOTEL CIRCLE PL	95	2532
Not reported	4555 KANSAS ST	96	2544
Not reported	3000 MADISON AVENUE	96	2544
SPORTS ARENA DODGE	***3740 ROSECRANS***	***104***	***2644***
ALLEY BET UTAH & KAN	NORTH OF EL CAJON BL	105	2699
Not reported	4340 KANSAS ST	105	2699
Not reported	3936 JUPITER ST.	106	2700
Not reported	1754 NORTH ARBOR	109	2795
3900 BLK OF TWIGG ST	IN OLDTOWN	112	2798
WEST WASHINGTON ST &		119	2822
Not reported	3927 1ST AVE	125	2856
Not reported	600 BUSH ST	127	2860
CANYON WEST OF HWY 1	OF ROBINSON	128	2860
300 BLK OF BROOKS AV		132	2870
BROOKS ST AND FOURTH		132	2870
EAST OF WAHINGTON AN		133	2870

CA DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CA DRYCLEANERS list, as provided by EDR, and dated 02/18/2015 has revealed that there are 8 CA DRYCLEANERS sites within the searched area.

Site	Address	Map ID	Page
BRINKERHOFF ESTATES EPA Id: CAL000287379 EPA Id: CAL000340882	10330 FRIARS RD STE	10	168
MAGIC DRY CLEANING & EPA Id: CAL000316663 EPA Id: CAL000284364	5837 MISSION GORGE R	21	649
SAN DIEGO WHOLESALE EPA Id: CAC002727950 EPA Id: CAL000393727	***5837 MISSION GORGE R***	***21***	***650***
STADIUM CLEANERS EPA Id: CAL000142970	***5694 MISSION CTR RD***	***35***	***1185***
HANGERS CLEANERS EPA Id: CAL000222166	2169 FENTON PKWY STE	39	1331

Site	Address	Map ID	Page
APADANA CLEANERS	***7610 HAZARD CENTER D***	***62***	***1599***
EPA Id: CAD983646555			
GLEN CLEANERS	***3190 ADAMS***	***83***	***2309***
EPA Id: CAC002785891			
EPA Id: CAL000284979			
PACIFIC SERVICES CO	***4085 PACIFIC HWY***	***130***	***2862***
EPA Id: CAD981579303			

CA ENF: A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

A review of the CA ENF list, as provided by EDR, and dated 04/30/2015 has revealed that there are 9 CA ENF sites within the searched area.

Site	Address	Map ID	Page
THRIFTY SERVICE STAT	***6404 MISSION GORGE R***	***10***	***155***
Status: Historical			
Status: Historical			
Facility Id: 264468			
Not reported	***9950 SAN DIEGO MISSI***	***16***	***292***
Status: Active			
Status: Historical			
Status: Superceded			
Status: Withdrawn			
Status: Active			
Status: Historical			
Facility Id: 240988			
MISSION VALLEY BULK	***9950 SAN DIEGO MISSI***	***16***	***413***
Status: Historical			
Status: Active			
Status: Never Active			
Facility Id: 240986			
Facility Id: 256743			
Facility Id: 240987			
Facility Id: 241070			
MISSION VALLEY PLANT	***9300 FRIARS RD***	***19***	***525***
Status: Historical			
Facility Id: 240981			
CLASS 2 SOIL TRTMENT	***9310 FRIARS RD***	***19***	***542***
Status: Historical			
Facility Id: 214741			
Facility Id: 256792			
SHELL SERVICE STATIO	***5820 MISSION GORGE***	***21***	***637***
Status: Historical			
Status: Historical			
Facility Id: 256718			
TOWN & COUNTRY RESOR	***500 NORTH HOTEL CIRC***	***85***	***2454***
Status: Historical			
Status: Active			
Facility Id: 625561			

Site	Address	Map ID	Page
TOWN & COUNTRY RESOR Status: Historical Status: Never Active Facility Id: 264836	500 HOTEL CIRCLE N.	85	2459
CALTRANS MSW CON/IND Status: Historical Facility Id: 212824	***2829 JUAN ST***	***99***	***2557***

CA RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the CA RESPONSE list, as provided by EDR, and dated 05/04/2015 has revealed that there is 1 CA RESPONSE site within the searched area.

Site	Address	Map ID	Page
SAN DIEGO NISE-WEST AWP Facility Id: 37970022 Status: Active Facility Id: 37970022	***4297 PACIFIC COAST H***	***114***	***2799***

CA HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency. This database begins with calendar year 1993.

A review of the CA HAZNET list, as provided by EDR, and dated 12/31/2013 has revealed that there are 376 CA HAZNET sites within the searched area.

Site	Address	Map ID	Page
BEST CLEANERS GEPAID: CAD981673437	***10450 FRIARS RD***	***7***	***35***
CALVIN HASTINGS GEPAID: CAC002695334	5999 RANCHO MISSION	14	172
MISSION PLAZA CONDOM GEPAID: CAC002370719	6009 RANCHO MISSION	14	174
JEFF FERGUSON GEPAID: CAC002733290	6029 RANCHO MISSION	14	175
RHEINSCHMIDT FAMILY GEPAID: CAC002670134	10699 SAN DIEGO MISS	14	175
NATHAN MATROKA GEPAID: CAC002686183	10669 SAN DIEGO MISS	14	176
P T MANAGEMENT LLC GEPAID: CAC002578972	10509 SAN DIEGO MISS	14	176
FUJI PHOTO FILM USA GEPAID: CAP400480095	10459 SAN DIEGO MISS	14	181

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
SAN DIEGO TEACHERS A GEPAID: CAC001058360	10393 SAN DIEGO MISS	14	184
MISSION VERDE HOA GEPAID: CAC002658592	6111 RANCHO MISSION	14	184
PADRE GARDENS RANCHO GEPAID: CAC002684405	10353 SAN DIEGO MISS	14	185
SIERRA SPRINGS WATER GEPAID: CAC002594318	10306 SAN DIEGO MISS	14	187
HINCKLEY & SCHMITT GEPAID: CAL000091785	10306 SAN DIEGO MISS	14	189
SCANIVALVE CORPORATI GEPAID: CAL000032709	10222 SAN DIEGO MISS	14	190
KAREN STONIER GEPAID: CAC002668103	6255 RANCHO MISSION	14	193
PRADO APARTMENTS GEPAID: CAL000126938	6304 RANCHO MISSION	14	194
SMITH, SHELLEY LYNN GEPAID: CAC002749590	6359 RANCHO MISSION	14	197
SARA LEHNHARDT GEPAID: CAC001298032	6381-6 RANCHO MISSIO	14	197
JOEL AKAMINE GEPAID: CAC002708366	6389 RANCHO MISSION	14	198
SHELL OIL PRODUCTS U GEPAID: CAD000626127	9966 SAN DIEGO MISSI	16	206
POWERINE OIL CO GEPAID: CAT080012917	***9950 SAN DIEGO MISSI***	***16***	***399***
SHELL OIL PRODUCTS U GEPAID: CAD000603795	***9950 SAN DIEGO MISSI***	***16***	***401***
MISSION VALLEY BULK GEPAID: CAC002745347 GEPAID: CAC002724350	***9950 SAN DIEGO MISSI***	***16***	***413***
SUNBURST TRANSPORTAT GEPAID: CAC002642462	9950 SAN DIEGO MISSI	16	453
SFPP LP (MISSION VAL GEPAID: CAD080912587	9950 SAN DIEGO MISSI	16	453
THE SOCO GRP INC GEPAID: CAL000238325	9950 SAN DIEGO MISSI	16	460
BUCK PETROLEUM COMPA GEPAID: CAC000727480	9950 SAN DIEGO MISSI	16	462
MOBIL OIL CORP-MISSI GEPAID: CAT000623694	9950 SAN DIEGO MISSI	16	465
NRC ENVIRONMENTAL SE GEPAID: CAC002713411	9950 SAN DIEGO MISSI	16	486
EQUILON ENTERPRISES GEPAID: CAT000603795	9950 SAN DIEGO MISSI	16	487
COASTAL TRANSPORT CO GEPAID: CAL000172941	9950 SAN DIEGO MISSI	16	489

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VAN DYK TRUCKING GEPAID: CAC001314384	9950 SAN DIEGO MISSI	16	491
SUNBURST TRANSPORTAT GEPAID: CAC002666229	9950 SAN DIEGO MISSI	16	494
SUNBURST TRANSPORTAT GEPAID: CAC002597037	9950 SAN DIEGO MISSI	16	494
APEX TANK LINES, INC GEPAID: CAC002725909	9550 SAN DIEGO MISSI	18	507
SOIL WASH TECHNOLOGI GEPAID: CAL000099215	9310 C FRIARS RD	19	509
HG FENTON COMPANY GEPAID: CAC002112352	9300 FRIARS RD	19	510
HG FENTON COMPANY GEPAID: CAD981462625	9300 FRIARS RD	19	516
HANSON AGGREGATES IN GEPAID: CAC002346489	9310 FRIARS RD	19	555
SUPREME OIL CO INC GEPAID: CAC002271569	9310 FRIARS RD	19	555
PREMIXED CONCRETE CO GEPAID: CAC000739616	9301 FRIARS RD	19	557
A-1 SOILS CO GEPAID: CAC001365832	9301 FRIARS RD	19	557
WESTERN IMAGE PAINTI GEPAID: CAC002576918	2637 MATERA LANE	20	560
AMERICAN DESIGN COAT GEPAID: CAL000284376	2647 BELLEZZA WAY	20	561
PENSKE TRUCK LEASING GEPAID: CAD063121388	4285 CAMINO DEL RIO	21	591
SAN DIEGO NISSAN GEPAID: CAD981686967	***5812 N FAIRMOUNT***	***21***	***609***
DCH HONDA OF MISSION GEPAID: CAR000144865	***5812 MISSION GORGE R***	***21***	***614***
SAN DIEGO WHOLESALE GEPAID: CAC002727950	***5837 MISSION GORGE R***	***21***	***650***
SPARKLETTS DRINKING GEPAID: CAD048752117	***5930 MISSION GORGE R***	***21***	***691***
AUTOMOTIVE FLEET SER GEPAID: CAD981974389	***6029 FAIRMOUNT AVE***	***21***	***762***
RADIATOR SHOP GEPAID: CAD982418022	***4343 TWAIN AVE***	***21***	***789***
AES GEPAID: CAR000016220	***4364 TWAIN ST STE 3***	***21***	***792***
ANDY CRABTREE GEPAID: CAC002670999	10797 SAN DIEGO MISS	24	820
CHERYL HUGULEY GEPAID: CAC002671399	10797 SAN DIEGO MISS	24	821

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MAUREEN ONEILL GEPAID: CAC002677044	10797 SAN DIEGO MISS	24	821
MISSION BASILICA SAN GEPAID: CAC002721605	***10818 SAN DIEGO MISS***	***24***	***822***
SDCTY QUALCOMM STADI GEPAID: CAL000022738	9449 FRIARS RD	25	825
REUTERS GEPAID: CAP000035642	9449 FRIARS RD TRAIL	25	827
MILWAUKEE JOURNAL SE GEPAID: CAP000035618	9449 FRIARS RD MEDIA	25	827
KODAK GEPAID: CAP000035634	9449 FRIARS RD TRAIL	25	828
SPORTS ILLUSTRATED GEPAID: CAP000035659	9449 FRIARS RD MEDIA	25	828
FELD MOTOR SPORTS GEPAID: CAC002684685	9449 FRIARS RD	25	836
UNITED PRESS INTERNA GEPAID: CAP000035600	9449 FRIARS RD TRAIL	25	838
AGENCE FRANCE PRESS GEPAID: CAP000035667	9449 FRIARS RD MEDIA	25	859
KNIGHT RIDDER TRIBUN GEPAID: CAP000035535	9449 FRIARS RD QUALC	25	860
ASSOCIATED PRESS GEPAID: CAP000035592	9449 FRIARS RD TRAIL	25	860
ROBBIE GORDON STADIU GEPAID: CAC002728728 GEPAID: CAC002598286	9449 FRIARS RD	25	860
NEILSON DILLINGHAM B GEPAID: CAC000771576	9449 FRIAR'S RD	25	862
CITY OF SAN DIEGO GEPAID: CAH111000319	9449 FRIARS RD	25	864
LOWE'S HIW-MISSION V GEPAID: CAL000224960	2318 NORTHSIDE DR	27	878
1993N2-PROPERTIES LP GEPAID: CAC001050496	2377 NORTHSIDE DR.	27	884
COSTCO WHOLESALE GEPAID: CAR000064188	2345 N MISSION CITY	29	886
COSTCO WHOLESALE #48 GEPAID: CAR000089284	2345 FENTON PKWY	29	888
SAN DIEGO COMMUNITY GEPAID: CAC002613645	3375 CAMINO DEL RIO	30	903
MISSION VALLEY TERRA GEPAID: CAC001150168	3435 CAMINO DEL RIO	30	908
GM BRWON GEPAID: CAC000910320	3511 CAMINO DEL RIO	30	910
REDHILL MEDICAL MGMT GEPAID: CAL000087840	3456 CAMINO DEL RIO	30	910

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1X PACIFIC WESTERN H GEPAID: CAC000783352	3456 CAMINO DEL RIO	30	911
UNITED LABOR FOUNDAT GEPAID: CAC002606618	3737 & 3717 CAMINO D	30	914
UNITED LABOR CENTER GEPAID: CAC002586755	3737 CAMINO DEL RIO	30	915
PACIFIC SURGICAL INS GEPAID: CAL000299632	3703 CAMINO DEL RIO	30	920
FOUNTAINVIEW BUSINES GEPAID: CAC002622184	3550 CAMINO DEL RIO	30	924
THE COLTON CO GEPAID: CAC002629837	3838 CAMINO DEL RIO	30	932
CHEVRON PRODUCTS COM GEPAID: CAL000195265	7698 FRIARS RD	35	965
HAZARD CENTER AUTO M GEPAID: CAL000235011	7698 FRIARS RD	35	989
CHEVRON STATION NO 9 GEPAID: CAR000122986	7698 FRIARS RD	35	990
STEVE KIMES CHEVRON GEPAID: CAL000017539	7698 FRIARS RD	35	991
ROBBINS BROS JEWELRY GEPAID: CAL000342676	7715 FRIARS RD	35	994
ROBBINS BROS CORPORA GEPAID: CAL000308564	7717 FRIARS RD	35	995
ELLEN LEE GEPAID: CAC002673913	7855 FRIARS RD STE 2	35	1003
RALPHS GROCERY CO #7 GEPAID: CAL000034425	7730 FRIARS RD	35	1004
FRIARS OFFICE BLDG L GEPAID: CAC002630605	7801 MISSION CENTER	35	1006
1X FRIARS OFFICE PAR GEPAID: CAC000799480	7801 MISSION CENTER	35	1006
MARTHA STASIK GEPAID: CAC002666285	7982 MISSION CENTER	35	1007
ROBERT PRICE GEPAID: CAC002710376	7972 MISSION CENTER	35	1008
ELI HUMPHREY GEPAID: CAC002706565	7960 MISSION CENTER	35	1008
PARKER INVESTMENT CO GEPAID: CAC002753398	7580 MISSION CENTER	35	1008
JASON TZAVARAS GEPAID: CAC002747486	7936 MISSION CENTER	35	1009
DAVE BECKSTRAND GEPAID: CAC002748605	7930 MISSION CENTER	35	1009
CJR BUILDERS INC GEPAID: CAC002662200	5448 MISSION CENTER	35	1014

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FRAZEE PAINT # 30 GEPAID: CAD981628274	5448 MISSION CTR RD	35	1014
EXTREME SMILE MAKEOV GEPAID: CAL000337628	1450 FRAZEE RD STE 2	35	1018
1508 BROOKHOLLOW LLC GEPAID: CAC002730705	7851 MISSION CENTER	35	1023
MISSION VALLEY SHELL GEPAID: CAL000024845	5465 MISSION CENTER	35	1034
STUART T TANI DDS PD GEPAID: CAL000120383	5638 MISSION CENTER	35	1045
AKB PETROLEUM DBA (GEPAID: CAL000315449	5494 MISSION CENTER	35	1051
MISSION VALLEY MOBIL GEPAID: CAL000060986	5494 MISSION CTR RD	35	1052
MOBIL STATION #18-G6 GEPAID: CAL000055901	5494 MISSION CENTER	35	1053
EXXONMOBIL OIL CORPO GEPAID: CAL000055851	5494 MISSION CENTER	35	1054
SAN DIEGO COMMTY COL GEPAID: CAD981972714	1536 FRAZEE ROAD	35	1094
SAN DIEGO MESA COLLE GEPAID: CAD981972599	***7250 MESA COLLEGE DR***	***35***	***1095***
SCA CONSTRUCTION SUP GEPAID: CAL000003307	1544 FRAZEE RD	35	1144
LANDMARK ASSET MGT GEPAID: CAC002585055	1615 MURRAY CANYON R	35	1157
PRESSLEY PETERBUILT GEPAID: CAL000140543	5620 MISSION CENTER	35	1158
CVS PHARMACY NO 9963 GEPAID: CAR000230953 GEPAID: CAL000356725	5644 MISSION CENTER	35	1164
LONGS DRUG STORE #40 GEPAID: CAL000168478	5644 MISSION CTR STE	35	1166
QSS 1 HOUR PHOTO GEPAID: CAL930695197	5658 MISSION CENTER	35	1174
RALPHS GROCERY CO #7 GEPAID: CAL000344008	5680 MISSION CENTER	35	1179
STADIUM CLEANERS GEPAID: CAL000142970	5694 MISSION CENTER	35	1182
STADIUM CLEANERS GEPAID: CAD982460206	5694 MISSION CENTER	35	1192
SUPREME OIL CO INC GEPAID: CAC002663331	7525 METROPOLITAN DR	35	1200
MISSION VALLEY PRINT GEPAID: CAL000130880	7525 METROPOLITAN DR	35	1201
MINUTEMAN PRESS OF M GEPAID: CAL000274490	7525 METROPOLITAN DR	35	1202

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MANTOANI/WILLIAMS ST GEPAID: CAL000067364	7515 METROPOLITAN DR	35	1209
ECONOMY PRINT & MAGE GEPAID: CAL000039668	7515 METROPOLITAN DR	35	1210
UC SAN DIEGO GEPAID: CAL000124525	7425 MISSION VALLEY	35	1215
TRIDENT TECHNOLOGIES GEPAID: CAR000074526	7425 MISSION VALLEY	35	1217
JD EDWARDS CO INC GEPAID: CAC002614933	5745 MISSION CENTER	35	1262
CALMAT CO/MISSION VA GEPAID: CAD983594854	5745 MISSION CENTER	35	1263
J D EDWARDS CO INC GEPAID: CAC002595174	5745 MISSION CENTER	35	1265
TIGER REPROGHAPH INC GEPAID: CAC002553369	7584 METROPOLITAN DR	35	1276
SAN DIEGO PATHOLOGIS GEPAID: CAL000326096	7592 METROPOLITAN DR	35	1278
FENTON TENTH AVENUE GEPAID: CAC002721067	7577 MISSION VALLEY	35	1279
SCRIPPS CLINIC MISSI GEPAID: CAL000368403	7565 MISSION VALLEY	35	1289
QUEST GEPAID: CAL000146794	7470 MISSION VALLEY	35	1291
CORNING CLINICAL LAB GEPAID: CAL000106401	7470 MISSION VALLEY	35	1292
SAN DIEGO PATHOLOGY GEPAID: CAL000188621	7470 MISSION VALLEY	35	1294
DR JOHN WEISENSEEL GEPAID: CAL000216774	9040 FRIARS RD STE 1	36	1300
DR WILLIAM SHOEMAKER GEPAID: CAL000168391	9040 FRIARS ROAD	36	1300
EVELYN T HUAMAN DMD GEPAID: CAC002253577	***9040 FRIARS RD***	***36***	***1300***
MEDICAL CENTERR FOR GEPAID: CAL000324815	9040 FRIARS RD STE 5	36	1303
CENTRUM DENTAL GEPAID: CAL000176933	9040 FRIARS RD STE 5	36	1303
BYRON A COLE DDS GEPAID: CAL000323436	9040 FRIARS RD STE 5	36	1304
HAUSTEN, LLC DBA IKE GEPAID: CAL000269143	2149 FENTON PKWY	39	1327
HANGERS CLEANERS GEPAID: CAL000222166	2169 FENTON PKWY STE	39	1337
NATIONAL UNIVERSITY GEPAID: CAC001345016	4085 CAMINO DEL RIO	40	1350

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NATIONAL UNIVERSITY GEPAID: CAC001345024	4125 S CAMINO DEL RI	40	1351
LEANNE TROY GEPAID: CAC002654988	4025 CAMINO DEL RIO	40	1351
1X NATIONAL UNIVERSI GEPAID: CAC000855780	4007 CAMINO DEL RIO	40	1353
POINT LOMA NAZARENE GEPAID: CAC002574656	4007 CAMINO DEL RIO	40	1353
NATIONAL UNIVERSITY GEPAID: CAL000050185	4125 CAMINO DEL RIO	40	1353
NATIONAL UNIVERSITY GEPAID: CAC002617570	4141 CAMINO DEL RIO	40	1355
NATIONAL UNIVERSITY GEPAID: CAC002204521	4141 CAMINO DEL RIO	40	1357
DON MCNABB GEPAID: CAC001253672	10097 RIO SAN DIEGO	41	1358
WESTFIELD DESIGN & C GEPAID: CAC001224488	1640 CAMINO SEL RIO	42	1365
THE PICTURE PEOPLE I GEPAID: CAD983666934	1640 CAMINO DEL RIO	42	1370
EMPIRE COMMUNITY PAI GEPAID: CAC002658190	2195 STATION VILLAGE	42	1376
KMART #7678 GEPAID: CAL000174821	***8730 RIO SAN DIEGO D***	***42***	***1378***
SEARS, ROEBUCK & CO. GEPAID: CAL000294643	8730 RIO SAN DIEGO D	42	1381
KMART CORP #7678 GEPAID: CAL000146429	8730 RIO	42	1383
MISSION VALLEY MARRI GEPAID: CAP000154443	8757 RIO SAN DIEGO D	42	1383
SAN DIEGO MARRIOTT M GEPAID: CAL000058094	8757 RIO SAN DIEGO D	42	1387
FUJI PHOTO FILM U S GEPAID: CAP000043463	8757 RIO SAN DIEGO D	42	1389
SPORTS AUTHORITY #75 GEPAID: CAL000105295	8550 RIO SAN DIEGO	42	1389
MISSION VALLEY VA CL GEPAID: CAL000349685	8810 RIO SAN DIEGO D	42	1395
TURPIN & RATTAN ENGI GEPAID: CAL000091199	8989 RIO SAN DIEGO D	44	1401
CINTAS DOCUMENT MGMT GEPAID: CAC002607517	8989 RIO SAN DIEGO D	44	1403
TRANS WESTERN PROPER GEPAID: CAC002684125	2275 RIO BONITO WAY	44	1408
CITY OF SAN DIEGO WA GEPAID: CAL000034118	3250 CAMINO DEL RIO	47	1416

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CITY OF SAN DIEGO GEPAID: CAC001218544	3250 CAMINO DEL RIO	47	1417
TIAA CENTERSIDE I GEPAID: CAL000309244	3111 CAMINO DEL RIO	49	1425
TRST CENTERSIDE I GEPAID: CAC000716400	3111 CAMINO DEL RIO	49	1430
TRST CENTERSIDE INC/ GEPAID: CAL000094416	3111 CAMINO DEL RIO	49	1431
CENTERSIDE II GEPAID: CAC002611766	3131 CAMINO DEL RIO	49	1433
WILLIAM WILSON & ASS GEPAID: CAC002131801	3131 CAMINO DEL RIO	49	1434
INDUSTRIAL INDEMNITY GEPAID: CAC001039240	3255 CAMINO DEL RIO	51	1466
MISSION VALLEY CHEVR GEPAID: CAL000211598	2290 CAMINO DEL RIO	54	1486
CHEVRON 94991 GEPAID: CAD982478984	2290 CAMINO DEL RIO	54	1487
OUTLOOK PROPERTIES, GEPAID: CAC002715264	2655 CAMINO DEL RIO	54	1495
DR BRIAN DALY & DR E GEPAID: CAL000379562	2655 CAMINO DEL RIO	54	1495
FAMILY PRACTICE ASSO GEPAID: CAL000143059	2655 CAMINO DEL RIO	54	1495
MISSION SPECIALTY MG GEPAID: CAL000322617	2655 CAMINO DEL RIO	54	1496
ATHLETIC ORTHOPEDIC GEPAID: CAL000068615	2650 CAMINO DEL RIO	54	1499
MISSION VALLEY DENTA GEPAID: CAL000245086	2650 N CAMINO DEL RI	54	1500
MISSION VALLEY ORAL GEPAID: CAL000083979	2878 CAMINO DEL RIO	56	1512
ALTA VISTA PARK LF K GEPAID: CAC002621755	2423 CAMINO DEL RIO	57	1518
CHIROPRACTIC SPORTS GEPAID: CAL000140125	2333 CAMINO DEL RIO	57	1522
DR GRAHAM SIMPSON DD GEPAID: CAL000181567	2333 CAMINO DEL RIO	57	1522
INSTITUTE FOR EFFECT GEPAID: CAC001440256 GEPAID: CAC002657691	2255 CAMINO DEL RIO	57	1523
FIRST UNITED METHODI GEPAID: CAC001417240	2111 CAMINO DEL RIO	57	1532
ENCIN REAL ESTATE CO GEPAID: CAC002555934	2515 CAMINO DEL RIO	57	1533
DOHOLIS CHIROPRACTIC GEPAID: CAL000112158	2615 CAMINO DEL RIO	57	1536

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GREAT WESTERN BANK GEPAID: CAC000882928	1900 CAMINO DEL RIO	57	1537
GILLARD ENTERPRISES GEPAID: CAC002376711	2667 CAMINO DEL RIO	57	1541
MIKE GILLARD GEPAID: CAC002528711	2667 CAMINO DEL RIO	57	1541
PROPERTY SYSTEMS INC GEPAID: CAL000190250	2020 CAMINO DEL RIO	57	1556
RALVIN PACIFIC PROPE GEPAID: CAC001131760	2022 CAMINO DEL RIO	57	1560
TODAI RESTURANT GEPAID: CAC002555258	2828 CAMINO DEL RIO	57	1562
TODAI RESTAURANT GEPAID: CAC002595117	2828 CAMINO DEL RIO	57	1562
JOHN BECK,MD GEPAID: CAL000108205	2810 CAMINO DEL RIOS	57	1570
DOUBLE TREE HOTEL GEPAID: CAC001496264	7450 HAZARD CENTER D	62	1588
HAZARD CENTER RETAIL GEPAID: CAC002645039	7510 HAZARD CENTER D	62	1595
NEW IMAGE DENTAL GEPAID: CAL000323824	7510 HAZARD CENTER D	62	1597
APADANA CLEANERS GEPAID: CAD983646555	***7610 HAZARD CENTER D***	***62***	***1599***
APADANA CLEANERS GEPAID: CAR000155978	7610 HAZARD CENTER D	62	1603
FOOD 4 LESS #333 GEPAID: CAL000320535	7730 HAZARD CENTER D	62	1624
SENTRE PARTNERS INC GEPAID: CAC002633565	5353 MISSION CENTER	62	1630
MACY'S WEST 158A GEPAID: CAD073359895	1555 CAMINO DE LA RE	65	1661
BULLOCK'S/MACY'S WES GEPAID: CAL000100396	1555 CAMINO DE LA RE	65	1663
YMCA OF SAN DIEGO CO GEPAID: CAC002658722	5505 FRIARS RD	67	1682
LLOYD PEST CONTROL GEPAID: CAD029122900	***935 SHERMAN ST***	***67***	***1688***
DANITA MORAY GEPAID: CAC002679656	5605 FRIARS RD UNIT	67	1739
LISA PETTY GEPAID: CAC002712650	5645 FRIARS RD UNIT	67	1759
NANETTE REED-DEMERS GEPAID: CAC002701952	5705 FRIARS RD UNIT	67	1772
PRESIDIO PLACE CONDO GEPAID: CAL000082668	5765 FRIARS ROAD	67	1777

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TOPS CLEANERS	***855 MORENA BLVD***	***67***	***1789***
GEPAID: CAD981618226			
SHARP PATHOLOGY LABO	***5325 METRO STREET***	***67***	***1823***
GEPAID: CAD981640402			
BLOOMINGDALES INC	7057 FRIARS RD	68	1872
GEPAID: CAC002753132			
GEPAID: CAC002602209			
WELLS FARGO BANK	1350 FASHION VALLEY	69	1873
GEPAID: CAC002652762			
WELLS FARGO BANK	1350 FASHION VALLEY	69	1874
GEPAID: CAC002727373			
GEPAID: CAC002753741			
GEPAID: CAC002186529			
WELLS FARGO BANK	1350 FASHION VALLEY	69	1876
GEPAID: CAC002697246			
WELLS FARGO BANK-COR	1350 FASHION VALLEY	69	1877
GEPAID: CAC002221633			
WELLS FARGO BANK-COR	1350 FASHION VALLEY	69	1877
GEPAID: CAC002332537			
GABRIELA TRHAC	6780 FRIARS RD UNIT	69	1877
GEPAID: CAC002643118			
ERIC DEVERILL	6855 FRIARS RD UNIT	69	1878
GEPAID: CAC002689490			
ERNEST GEORGGIN	6855 FRIARS RD UNIT	69	1878
GEPAID: CAC002672782			
AJ ROSE	6855 FRIARS RD UNIT	69	1879
GEPAID: CAC002704174			
DBA / FASHION VALLEY	6899 FRIARS RD	69	1908
GEPAID: CAL000267127			
BP WEST COAST PRODUC	6899 FRIARS RD	69	1910
GEPAID: CAL000225454			
ARCO PRODUCTS COMPAN	6899 FRIARS RD	69	1911
GEPAID: CAL000028067			
FIRESTONE COMPLETE A	6977 FRIARS RD STE 1	69	1917
GEPAID: CAL000366195			
FIRESTONE STORE #22F	6977 FRIARS RD STE 1	69	1935
GEPAID: CAL000258933			
J C PENNY STORE #195	6987 FRIARS RD	69	1937
GEPAID: CAL000322590			
JC PENNY	6987 FRIARS RD	69	1938
GEPAID: CAC002599498			
JC PENNEY	***6987 FRIARS RD***	***69***	***1940***
GEPAID: CAC002568550			
NORDSTROM	6997 FRIARS RD	69	1943
GEPAID: CAC002673443			
NORDSTROM	6997 FRIARS RD	69	1944
GEPAID: CAC002642158			

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MACY'S WEST 059A GEPAID: CAL000195590	7017 FRIARS RD	69	1944
NEIUMAN MARCUS GEPAID: CAC001411368	7027 FRIARS	69	1947
ARCO PRODUCTS COMPAN GEPAID: CAL000016419	915 CAMINO DEL RIO S	70	1949
BP WEST COAST PRODUC GEPAID: CAL000225453	915 S CAMINO DEL RIO	70	1951
A S INVESTMENTS LTD GEPAID: CAL000259204	915 CAMINO DEL RIO S	70	1958
ARCO #03037 A S INVE GEPAID: CAL000385591	***915 CAMINO DEL RIO S***	***70***	***1959***
PLANNED PARENTHOOD GEPAID: CAC002601022	1075 CAMINO DEL RIO	70	1971
PLANNED PARENTHOOD/S GEPAID: CAC002594950	1075 CAMINO DEL RIO	70	1973
1X RESOLUTION TRUST GEPAID: CAC000900936	1011 CAMINO DEL RIO	70	1973
HILTON MISSION VALLE GEPAID: CAC002633162	901 CAMINO DEL RIO S	70	1975
SAN DIEGO MISSION VA GEPAID: CAL000080728	901 CAMINO DEL RIO S	70	1976
HEI MISSION VALLEY L GEPAID: CAC002600293	901 CAMINO DEL RIO S	70	1977
HILTON SAN DIEGO MIS GEPAID: CAL000298144	901 CAMINO DEL RIO S	70	1978
STEPHEN A CENTER INC GEPAID: CAC002682812	5030 CAMINO DE LA SI	70	1990
WITT LINCOLN MERCURY GEPAID: CAD029140555	***588 CAMINO DEL RIO N***	***70***	***1999***
WITT LINCOLN MERCURY GEPAID: CAL000194265	588 CAMINO DEL RIO N	70	2002
BOB BAKER FORD CHRYS GEPAID: CAL000342982	***730 CAMINO DEL RIO N***	***70***	***2004***
BOB BAKER FORD GEPAID: CAD981385032	730 CAMINO DEL RIO N	70	2015
COURTESY CHEVROLET GEPAID: CAD055710651	***750 CAMINO DEL RIO N***	***70***	***2026***
MARSHALLS 0725 GEPAID: CAL000383000	908 CAMINO DEL RIO N	70	2042
SMILECARE GEPAID: CAL000142791	***1333 CAMINO DEL RIO***	***70***	***2044***
MARVIN K BROWN AUTO GEPAID: CAD981463334	1441 CAMINO DEL RIO	70	2065
CARTER COLLISION SER GEPAID: CAL000294133	1441 CAMINO DEL RIO	70	2068

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ULTA BEAUTY 588 GEPAID: CAL000388894	1072 CAMINO DEL RIO	70	2090
CHAPPARONE COLLISION GEPAID: CAL000016587	1461 CAMINO DEL RIO	70	2093
JOHN HINE PONTIAC/MA GEPAID: CAD981374663	1545 CAMINO DEL RIO	70	2125
SAN DIEGO AUTO CONNE GEPAID: CAC002720277	1561 CAMINO DEL RIO	70	2131
TARGET STORE T-1410 GEPAID: CAL000261262	1288 CAMINO DEL RIO	70	2147
MONTGOMERY WARD AUTO GEPAID: CAL000020168	1288 CAMINO DEL RIO	70	2148
TARGET STORE #1410 GEPAID: CAR000095257	1288 CAMINO DEL RIO	70	2150
MISSION VALLEY PARTN GEPAID: CAC001410792	5040 MISSION CTR RD	70	2152
UNOCAL SERVICE STATI GEPAID: CAL000046482	5050 MISSION CENTER	70	2158
CENTRAL PLANT MISSIO GEPAID: CAD134017730	1640 CAMINO DEL RIO	70	2162
LENSCRAFTERS #268 GEPAID: CAL000128806	1640 CAMINO DEL RIO	70	2163
MAX PHOTO & CAMERA GEPAID: CAD982406050	1640 CAMINO DEL RIO	70	2165
MISSION VALLEY CENTE GEPAID: CAC002366927	1640 CAMINO DEL RIO	70	2166
ALLIANCE ENVIRONMENT GEPAID: CAC002577500	1640 CAMINO DEL RIO	70	2167
MILLARD SERVICES CO GEPAID: CAC002605217	1640 CAMINO DEL RIO	70	2168
EXPRESSLY PORTRAITS GEPAID: CAL000048450	1640 CAMINO DEL RIO	70	2168
MICHAELS STORES INC GEPAID: CAL000370950	1652 CAMINO DEL RIO	70	2169
BED BATH & BEYOND #3 GEPAID: CAL000362149	1750 CAMINO DEL RIO	70	2171
SHORING ENGINEERING GEPAID: CAC002518655	1288 CAMINO DEL RIO	70	2173
1X MONTGOMERY WARD GEPAID: CAC000798488	1288 CAMINO DEL RIO	70	2173
MONTGOMERY WARD GEPAID: CAC001188280	1288 CAMINO DEL RIO	70	2173
TARGET GEPAID: CAC002347951	1288 CAMINO DEL RIO	70	2174
WESTFIELD SHOPPING C GEPAID: CAC002610604	1025 CAMINO DE LA RE	70	2184

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Site	Address	Map ID	Page
JARED THE GALLERIA O GEPAID: CAL000371922	1025 CAMINO DE LA RE	70	2185
CB RICHARD ELLIS INC GEPAID: CAC002234873	5111 MISSION CENTER	70	2186
JP MORGAN & CHASE GEPAID: CAC002646928	5111 MISSION CENTER	70	2187
BEST BUY STORE 438 GEPAID: CAC002670746	5151 MISSION CENTER	70	2187
BEST BUY GEPAID: CAC002662655	5151 MISSION CENTER	70	2188
ROBINSON MAY DEPARTM GEPAID: CAC001392680	1702 CAMINO DEL RIO	70	2189
MACY'S STORE #218 GEPAID: CAC002608103	1702 CAMINO DEL RIO	70	2189
MACY'S WEST 218A GEPAID: CAL000311912	1702 CAMINO DEL RIO	70	2191
DANYELE DIJAMES GEPAID: CAC002742422	6406 FRIARS RD UNIT	72	2194
HALIM YUDIONO GEPAID: CAC002677043	6416 FRIARS RD UNT 1	72	2195
DEAN PATIERNIK GEPAID: CAC002675249	6416 FRIARS RD UNIT	72	2195
BLUFFS HOA GEPAID: CAC002709885	6450 FRIARS RD FL 3	72	2196
LINCOLN/THE BLUFFS I GEPAID: CAC000980464	6466 FRIARS STE 104	72	2196
THE BLUFFS APTS. GEPAID: CAC002721685 GEPAID: CAC002694582 GEPAID: CAC002743269 GEPAID: CAC002753058 GEPAID: CAC002731793	6540 FRIARS RD.	72	2200
THE BLUFFS APARTMENT GEPAID: CAC002712670	6540 FRIARS RD.	72	2202
THE CENTRE POINTE GEPAID: CAC002709433	6540 FRIARS RD.	72	2203
ESSEX PROPERTY TRUST GEPAID: CAC002684752	6566 FRIARS RD APT 2	72	2203
BONNIE GOLDEN GEPAID: CAC002691908	6717 FRIARS RD	72	2203
SAUL CHACON GEPAID: CAC002686866	6717 FRIARS RD UNIT	72	2204
FASHION VALLEY MALL GEPAID: CAC002651448	7007 FRIARS RD STE 3	73	2204
SEPHORA STORE 36 FAS GEPAID: CAR000147363	7007 FRIARS RD	73	2205
FASHION VALLEY MALL GEPAID: CAC002721504 GEPAID: CAC002659086	7007 FRIARS RD STE 3	73	2206

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Site	Address	Map ID	Page
SEPHORA STORE 36 FAS GEPAID: CAL000389170	***7007 FRIARS ROAD***	***73***	***2207***
LENSCRAFTERS #870 GEPAID: CAL000171721	7007 FRIARS RD STE 7	73	2211
ABERCROMBIE AND FITC GEPAID: CAL000334655	7007 FRIARS RD STE 9	73	2213
APPLE STORE, FASHION GEPAID: CAC002746209	7007 FRIARS RD STE 3	73	2214
ANN TAYLOR S0319/FAS GEPAID: CAC002629456	7007 FRIARS ROAD STE	73	2214
RUEHL NO 925 GEPAID: CAL000327993	7007 FRIARS RD STE 8	73	2214
SEPHORA STORES #36 GEPAID: CAL000273211	7007 FRIARS RD #314	73	2215
RIVERFRONT APARTMENT GEPAID: CAC001389320	750 CAMINO DE LA REI	74	2215
MISSION CENTER CHIRO GEPAID: CAL921082995	591 CAMINO DE LA REI	75	2219
1X PACTEL PROPERTIES GEPAID: CAC000861576	591 CAMINO DE LA REI	75	2220
JUDY LAMB GEPAID: CAC002691873	6202 FRIARS RD UNIT	76	2222
CRAIG A BOWLES DMD GEPAID: CAC002737638	***6110 FRIARS RD***	***76***	***2224***
RIVERWALK GOLF CLUB GEPAID: CAL000032754	5905 FRIARS ROAD	77	2225
COPLEY PHOTO SERVICE GEPAID: CAL000066889	123 CAMINO DE LA REI	79	2232
ASSOCIATED PRESS GEPAID: CAL000138742	350 CAMINO DE LA REI	79	2235
MANCHESTER FINANCIAL GEPAID: CAC002684396	350 CAMINO DE LA REI	79	2280
THE SAN DIEGO UNION GEPAID: CAD981449556	350 CAMINO DE LA REI	79	2280
VALERO STATION #3741 GEPAID: CAL000384041	***3150 ADAMS AV***	***83***	***2285***
DAEWOO OF SAN DIEGO GEPAID: CAL000204730	777 CAMINO DEL RIO S	84	2341
MIDWAY JEEP CHRYSLER GEPAID: CAD029140720	***777 CAMINO DEL RIO S***	***84***	***2342***
MARVIN K BROWN AUTO GEPAID: CAC001412184	777 CAMINO DEL RIO S	84	2353
PECK JEEP EAGLE DBA GEPAID: CAL000224275	777 CAMINO DEL RIO S	84	2353
PRESIDENTIAL LIMOUSI GEPAID: CAL000064849	2085 HOTEL CIRCLE SO	85	2361

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Site	Address	Map ID	Page
MISSION VALLEY OFFIC GEPAID: CAC002601350	1565 HOTEL CIR S	85	2368
DEREK STAATS GEPAID: CAC002699455	1605 HOTEL CIR S UNI	85	2368
WAEL HASSON GEPAID: CAC002738670	1615 HOTEL CIR S UNI	85	2369
MARK PIERCE GEPAID: CAC002680134	1621 HOTEL CIR S UNI	85	2369
KATHERINE HUMPHREYS GEPAID: CAC002673930	1621 HOTEL CIR S	85	2370
ANTONIO ARELLANO GEPAID: CAC002699294	1621 HOTEL CIR S UNI	85	2371
BEFF CHEONG GEPAID: CAC002674994	1621 HOTEL CIR S UNI	85	2371
SHIRIN DELALAT GEPAID: CAC002676026	1621 HOTEL CIR S UNI	85	2372
MARRIOTT RESIDENCE I GEPAID: CAC002664507	1865 HOTEL CIR S	85	2374
ESSEX REALTY MGMT IN GEPAID: CAC002561139	1550 HOTEL CIR NO	85	2379
THE HANDLERY HOTEL GEPAID: CAC002258481	***1440 HOTEL CIRCLE NO***	***85***	***2380***
MIKE GADDIE GEPAID: CAC002569873	1440 HOTEL CIR N	85	2381
DOUGLAS ALL RED COMP GEPAID: CAC001076056	1660 HOTEL CIRCLE NO	85	2382
MISSION VALLEY INN GEPAID: CAL000031358	875 HOTEL CIRCLE SO	85	2385
C T - HOTEL GEPAID: CAC001214576	1550 HOTEL NORTH	85	2391
CHEVRON 90158 GEPAID: CAL000049819	755 HOTEL CIR S	85	2405
CHEVRON STATION NO 9 GEPAID: CAR000122952	755 HOTEL CIR S	85	2409
VAGABOND INN GEPAID: CAC001373688	***625 HOTEL CIR***	***85***	***2420***
HANDLERY HOTEL GEPAID: CAC002610633	950 HOTEL CIR N	85	2426
HANDLERY HOTEL SAN D GEPAID: CAL000038272	950 HOTEL CIR N	85	2429
HANDLERY HOTEL & COU GEPAID: CAC002553682	950 HOTEL CIR NORTH	85	2430
FIRESTONE STORE #22F GEPAID: CAD981631195	140 FASHION VALLEY R	85	2442
JC PENNY COMPANY INC GEPAID: CAC002735932 GEPAID: CAC001048920	202 FASHION VALLEY R	85	2444

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Site	Address	Map ID	Page
BROADWAY DEPT STORE GEPAID: CAX000107201	275 FASHION VALLEY	85	2445
1X BROADWAY DEPARTME GEPAID: CAC000895976	275 FASHION VALLEY	85	2445
FASHION VALLEY VENTU GEPAID: CAC000753608	310 FASHION VALLEY R	85	2446
1X FASHION VALLEY VE GEPAID: CAC000552776	352 FASHION VALLEY	85	2447
1X IMAGINAN GEPAID: CAC000780224	385 FASHION VALLEY	85	2448
FASHION VALLEY VENTU GEPAID: CAC000961656	394 FASHION VALLEY	85	2448
BLOOMINGDALE'S INC GEPAID: CAL000315171	399 FASHION VALLEY	85	2448
FASHION VALLEY SHOPP GEPAID: CAL000174321	452 FASHION VALLEY R	85	2450
1X FASHION VALLEY VE GEPAID: CAC000895560	512 FASHION VALLEY	85	2451
FASHION VALLEY VENTU GEPAID: CAC000927096	583 FASHION VALLEY	85	2452
FASHION VALLEY VENTU GEPAID: CAC000729552	596 FASHION VALLEY R	85	2452
TOWN AND COUNTRY HOT GEPAID: CAD981969447	500 HOTEL CIRCLE NOR	85	2453
VCA EMERGENCY ANIMAL GEPAID: CAL000288352	2317 HOTEL CIR S	95	2520
EMERGENCY ANIMAL CLI GEPAID: CAL920605121	2317 HOTEL CIRCLE S	95	2521
EMERGENCY ANIMAL HOS GEPAID: CAL000082973	2317 HOTEL CIR S	95	2522
HANALEI ASSOCIATES L GEPAID: CAL000047371	2270 HOTEL CIR N	95	2525
MOTEL 6 GEPAID: CAC002585713	2424 HOTEL CIR N	95	2527
COMFORT INN & SUITES GEPAID: CAC000763472	2485 HOTEL CIRCLE PL	95	2532
EZ8 MOTELS GEPAID: CAC002577889	2484 HOTEL CIRCLE PL	95	2532
COVENTRY CARS OF SAN GEPAID: CAL000163463	2432 HOTEL CIRCLE DR	95	2541
THE AUTO CLUB OF SOU GEPAID: CAC002572926	2432 HOTEL CIR PL	95	2544
SCRIPPS HOSPICE GEPAID: CAL000389626	***4311 3RD AVE***	***107***	***2701***
SAM LEE AUTO REPAIR GEPAID: CAD050640101	***724 W WASHINGTON***	***122***	***2841***

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Site	Address	Map ID	Page
GRANT K8 SCHOOL PHAS GEPAID: CAC002605940	***1425 WASHINGTON PLAC***	***124***	***2853***
PACIFIC SERVICES CO GEPAID: CAD981579303	***4085 PACIFIC HWY***	***130***	***2862***

CA EMI: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the CA EMI list, as provided by EDR, and dated 12/31/2012 has revealed that there are 54 CA EMI sites within the searched area.

Site	Address	Map ID	Page
ARCO #1761 Facility Id: 3789	***2696 MISSION VILLAGE***	***6***	***30***
KAISER FOUNDATION HO Facility Id: 2687	***4647 ZION AV***	***8***	***54***
7-ELEVEN STORE #2762 Facility Id: 86108	***6401 MISSION GORGE R***	***10***	***146***
THRIFTY SERVICE STAT Facility Id: 1449	***6404 MISSION GORGE R***	***10***	***150***
SHELL OIL PRODUCTS U Facility Id: 2010	9966 SAN DIEGO MISSI	16	209
EQUILON ENTERPRISES Facility Id: 2010	9966 SAN DIEGO MISSI	16	212
POWERINE OIL CO Facility Id: 211	9950 SAN DIEGO MISSI	16	236
S D PIPELINE COMPANY Facility Id: 91	9950 SAN DIEGO MISSI	16	242
SFPP, LP/KINDER MORG Facility Id: 1069	***9950 SAN DIEGO MISSI***	***16***	***334***
SFPP LP Facility Id: 1069 Facility Id: 2633 Facility Id: 91	***9950 SAN DIEGO MISSI***	***16***	***468***
MOBIL C/O SFPP LP Facility Id: 2633	9950 SAN DIEGO MISSI	16	497
FENTON H G MATERIAL Facility Id: 164	9300 FRIARS RD	19	511
FENTON PROPERTIES Facility Id: 47	***9300 FRIARS RD***	***19***	***513***
BODY BEAUTIFUL CAR W Facility Id: 88010	***4282 CAMINO DEL RIO***	***21***	***599***
ROSE TOYOTA Facility Id: 2570	***5910 MISSION GORGE R***	***21***	***663***
CALIFORNIA NEON PROD Facility Id: 673	***4530 MISSION GORGE P***	***21***	***704***

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
ULTRAMAR Facility Id: 4461	***6011 MISSION GORGE R***	***21***	***722***
ARCO #1790 Facility Id: 3769	***6110 MISSION GORGE R***	***21***	***798***
COSTCO WHOLESALE INC Facility Id: 99166	2322 NORTH SIDE DR	29	887
COSTCO WHOLESALE Facility Id: 99166	FENTON MARKET PL	29	900
SDG&E - MISSION SWIT Facility Id: 5211	***9060 FRIARS RD***	***31***	***936***
QUALTECH COLLISION & Facility Id: 9657	***4660 ALVARADO CANYON***	***32***	***948***
CHEVRON / FRIARS RD Facility Id: 3148	***7698 FRIARS RD***	***35***	***972***
MISSION CENTER TEXAC Facility Id: 4653	***5465 MISSION CENTER***	***35***	***1035***
MOBIL #18 G6F 12721 Facility Id: 4215	***5494 MISSION CENTER***	***35***	***1056***
MOBIL #18 G6F 12721 Facility Id: 4215	***5494 MISSION CENTER***	***35***	***1061***
STADIUM CLEANERS Facility Id: 89098	***5694 MISSION CTR RD***	***35***	***1185***
MISSION VALLEY Facility Id: 56	***5745 MISSION CENTER***	***35***	***1248***
INDUSTRIAL ASPHALT Facility Id: 5961	8150 FRIARS RD	48	1417
REAL ENERGY INC Facility Id: 7705	3111 CAMINO DEL RIO	49	1431
7 ELEVEN FOOD STORES Facility Id: 85298	***6615 LINDA VISTA RD***	***50***	***1437***
CHEVRON CAMINO DEL R Facility Id: 4508	***2290 CAMINO DEL RIO***	***54***	***1477***
APADANA CLEANERS Facility Id: 9743 Facility Id: 91456	7610 HAZARD CENTER D	62	1605
TOPS CLEANERS Facility Id: 1042	***855 MORENA BLVD***	***67***	***1789***
FASHION VALLEY ARCO Facility Id: 3784	***6899 FRIARS RD***	***69***	***1879***
FASHION VALLEY ARCO Facility Id: 3784	***6899 FRIARS RD***	***69***	***1904***
ARCO #03037 A S INVE Facility Id: 3780	***915 CAMINO DEL RIO S***	***70***	***1959***
TOWNSEND LINCOLN MER Facility Id: 3400	***588 CAMINO DEL RIO N***	***70***	***1992***
BOB BAKER FORD CHRYS Facility Id: 987	***730 CAMINO DEL RIO N***	***70***	***2004***

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Site	Address	Map ID	Page
COURTESY CHEVROLET Facility Id: 725	***750 CAMINO DEL RIO N***	***70***	***2026***
BROWN MARVIN K CADIL Facility Id: 569	1441 CAMINO DEL RIO	70	2058
HINE JOHN PONTIAC MA Facility Id: 1495	1545 CAMINO DEL RIO	70	2127
UNION TRIBUNE PUBLIS Facility Id: 1976	***350 CAMINO DE LA REI***	***79***	***2235***
SAN DIEGO UNION TRIB Facility Id: 1976	350 CAMINO DE LA REI	79	2278
SAN DIEGO UNION TRIB Facility Id: 1976	350CAMINO DE LA REIN	79	2279
GLEN CLEANERS Facility Id: 653	***3190 ADAMS***	***83***	***2309***
MIDWAY JEEP CHRYSLER Facility Id: 1362	***777 CAMINO DEL RIO S***	***84***	***2342***
MIDWAY JEEP CHRYSLER Facility Id: 1362	777CAMINO DEL RIO S	84	2355
CHEVRON STATION #9-0 Facility Id: 4444	***755 HOTEL CIRCLE S***	***85***	***2395***
ULTRAMAR / TEXAS ST Facility Id: 4238	***4616 TEXAS ST***	***94***	***2506***
TEXACO SERVICE STATI Facility Id: 4639	***3711 CAMINO DEL RIO***	***104***	***2676***
UCSD MEDICAL CENTER Facility Id: 404	***225 DICKINSON ST W***	***108***	***2790***
SHELL SERVICE STATIO Facility Id: 1347	***330 WASHINGTON ST***	***120***	***2826***
PACIFIC SERVICES CO Facility Id: 981	***4085 PACIFIC HWY***	***130***	***2862***

CA ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 05/04/2015 has revealed that there are 33 CA ENVIROSTOR sites within the searched area.

Site	Address	Map ID	Page
CAMP LAMESA Facility Id: 80000215 Status: Active		1	4

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Site	Address	Map ID	Page
BEST CLEANERS Facility Id: 37650016 Status: Refer: 1248 Local Agency	***10450 FRIARS RD***	***7***	***35***
KAISER FOUNDATION HO Facility Id: 71002809 Status: Inactive - Needs Evaluation	***4647 ZION AV***	***8***	***54***
MISSION VALLEY BULK Facility Id: 71002597 Status: Inactive - Needs Evaluation	***9950 SAN DIEGO MISSI***	***16***	***413***
ROSE TOYOTA Facility Id: 37550008 Status: Refer: 1248 Local Agency	5926-27,5933,5957 FA	21	700
USAR CNTR SAN DIEGO Facility Id: 80000490 Status: Inactive - Needs Evaluation		21	761
FORMER ARCO Facility Id: 60001297 Status: Refer: 1248 Local Agency	***6110 MISSION GORGE R***	***21***	***795***
CHEVRON SERVICE STAT Facility Id: 37550002 Status: Refer: 1248 Local Agency	***4525 WARING RD***	***23***	***814***
DYTRON/FORMER GOLDEN Facility Id: 37550012 Status: Refer: 1248 Local Agency	***6901 LINDA VISTA ROA***	***26***	***865***
FUJI TRUCOLOR, INC. Facility Id: 71003322 Status: Inactive - Needs Evaluation	***4782 ALVARADO CANYON***	***32***	***963***
CARSON ELEMENTARY SC Facility Id: 60000009 Status: Inactive - Needs Evaluation	***6905 KRAMER STREET***	***46***	***1411***
FRANCIS PARKER SCHOO Facility Id: 37000042 Status: Refer: 1248 Local Agency	***6501 LINDA VISTA ROA***	***58***	***1573***
MORENA VISTA REDEVEL Facility Id: 60000567 Status: Inactive - Action Required	LINDA VISTA ROAD & N	67	1804
AAMCO TRANSMISSIONS Facility Id: 37750009 Status: Refer: 1248 Local Agency	***5251 LINDA VISTA RD.***	***67***	***1810***
SAN DIEGO VESSEL MAI Facility Id: 37510124 Status: Refer: Other Agency	***4990 NAPLES STREET***	***67***	***1866***
RAD STATION L-6 MIS Facility Id: 80000424 Status: Inactive - Needs Evaluation		89	2479
NORMAL HEIGHTS ES Facility Id: 37650011 Status: Certified	***MOUNTAIN VIEW DRIVE/***	***91***	***2491***
SAN DIEGO MFG PLT Facility Id: 80000456 Status: Inactive - Needs Evaluation		99	2546

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Site	Address	Map ID	Page
SACKETT & PENDLEBURY Facility Id: 37370122 Status: Refer: Other Agency	***3630 HANCOCK ST.***	***101***	***2590***
BOYCE INDUSTRIES Facility Id: 37510093 Status: No Further Action	***3344 KURTZ ST***	***102***	***2594***
DON POLLOCK EXCAVATI Facility Id: 37170001 Status: Refer: Other Agency	3366 KURTZ STREET	102	2596
TRUCK TERMINAL Facility Id: 37420016 Status: Refer: 1248 Local Agency	3495 KURTS STREET	102	2601
PHOTIC OF SAN DIEGO Facility Id: 71002960 Status: Inactive - Needs Evaluation	***3515 HANCOCK STREET***	***102***	***2632***
BURKE CO THE 08 Facility Id: 37290006 Status: No Further Action	***3870 HOUSTON ST***	***102***	***2634***
SAN DIEGO GUN TOWER Facility Id: 80000454 Status: Inactive - Needs Evaluation		102	2640
SAN DIEGO NISE-WEST Facility Id: 37970022 Status: Active	***4297 PACIFIC COAST H***	***114***	***2799***
MIDWAY DRIVE (A.K.A. Facility Id: 80001106 Status: Inactive - Needs Evaluation		121	2840
PACIFICA COMPANIES Facility Id: 37000022 Status: Refer: 1248 Local Agency	***4350 PACIFIC HIGHWAY***	***126***	***2857***
SAN DIEGO GUN TOWER Facility Id: 80000455 Status: Inactive - Needs Evaluation		129	2860
OLD TOWN TROLLEY Facility Id: 60001518 Status: Refer: RWQCB	2105-2115 KURTZ ST	130	2861
PACIFIC SERVICES CO Facility Id: 60001520 Status: Refer: RWQCB	***4085 PACIFIC HWY***	***130***	***2862***
HANCOCK ST. SELF-STO Facility Id: 37420017 Status: Refer: 1248 Local Agency	2150-2182 HANCOCK ST	130	2868
MFG PLANT ANX DPC, S Facility Id: 80000457 Status: Inactive - Needs Evaluation		131	2869

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CA WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the CA WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 8 CA WMUDS/SWAT sites within the searched area.

Site	Address	Map ID	Page
KAISER	***4307 VANDEVER AV***	***10***	***100***
SHEWEY ENVIRONMENT F	9310 FRIARS RD	19	540
CLASS 2 SOIL TRTMENT	***9310 FRIARS RD***	***19***	***542***
THERMAL TREATMENT FA	***2365 NORTHSIDE DR, B***	***27***	***881***
MISSION VALLEY DISPO	UNKNOWN	57	1544
TERRASANTA COMMUNITY	UNKNOWN	57	1545
TERRASANTA COMMUNITY	UNKNOWN	57	1546
NAS MIRAMAR	***UNKNOWN***	***57***	***1547***

EDR PROPRIETARY RECORDS

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 126 EDR US Hist Auto Stat sites within the searched area.

Site	Address	Map ID	Page
Not reported	4388 VANDEVER AVE	10	101
Not reported	6205 FAIRMOUNT AVE	10	103
Not reported	6218 FAIRMOUNT AVE	10	104
Not reported	6215 FAIRMOUNT AVE	10	104
Not reported	4337 SHERIDAN LN	10	104
LITTLEFIELD LEO W	4334 SHERIDAN RD	10	105
Not reported	6267 RIVERDALE ST	10	128
Not reported	6333 RIVERDALE ST	10	141
Not reported	6338 RIVERDALE ST	10	142
Not reported	10383 FRIARS RD	10	161
Not reported	9149 RONDA AVE	13	172
Not reported	6302 RANCHO MISSION	14	194
Not reported	9966 SAN DIEGO MISS	16	225
Not reported	9950 SAN DIEGO MISS	16	393
RUSSELL TOM CHEVRON	2222 MISSION VILLA	18	506
Not reported	4282 CAMINO DEL RIO	21	606
Not reported	5812 FAIRMOUNT AVE	21	607
ATLAS TOW SERVICE SA	5882 FAIRMOUNT AVE	21	613
MISSION VALLEY SHELL	5820 MISSION GORGE	21	628
Not reported	5805 MISSION GORGE	21	644
Not reported	5803 MISSION GORGE	21	644
Not reported	5835 MISSION GORGE	21	648

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Site	Address	Map ID	Page
Not reported	5839 MISSION GORGE	21	651
Not reported	5841 MISSION GORGE	21	656
Not reported	5909 MISSION GORGE	21	661
Not reported	5910 MISSION GORGE	21	662
Not reported	5913 MISSION GORGE	21	681
ATLAS TOW SERVICE	5921 FAIRMOUNT AVE	21	685
Not reported	6029 FAIRMOUNT AVE	21	770
Not reported	4349 TWAIN AVE	21	786
Not reported	4347 TWAIN AVE	21	787
Not reported	4345 TWAIN AVE	21	788
Not reported	4343 TWAIN AVE	21	792
Not reported	4364 TWAIN AVE	21	795
Not reported	4354 TWAIN AVE	21	795
Not reported	2520 NORTHSIDE DR	22	813
Not reported	2365 NORTHSIDE DR	27	883
Not reported	3333 CAMINO DEL RIO	30	902
Not reported	3435 CAMINO DEL RIO	30	909
Not reported	3444 CAMINO DEL RIO	30	910
Not reported	3545 CAMINO DEL RIO	30	912
Not reported	2042 CRANDALL DR	33	964
Not reported	8235 HARTON PL	34	965
KIMES STEVE CHEVRON	7698 FRIARS RD	35	992
Not reported	1455 FRAZEE RD	35	1020
MISSION CENTER TEXAC	5465 MISSION CENTE	35	1041
MISSION VALLEY SERVI	5494 MISSION CENTE	35	1058
Not reported	7650 MISSION VALLEY	35	1275
Not reported	1640 CAMINO DEL RIO	42	1358
Not reported	2290 CAMINO DEL RIO	54	1483
FREEMAN MARK CHEVRON	2290 CAMINO ZARA	54	1490
FAYMAN MARK CHEVRON	2290 CAMINO ZARA D	54	1490
STANDARD STATIONS IN	2290 CAMINO DE LA	54	1491
Not reported	1428 MINDEN DR	55	1508
Not reported	2727 CAMINO DEL RIO	57	1543
Not reported	2737 CAMINO DEL RIO	57	1544
Not reported	6956 CAMINO REVUELT	60	1587
Not reported	7084 CAMINO DEGRAZI	61	1588
SUNDOWN AUTOMOTIVE	5338 CUSTER ST	67	1673
SVENSK MOTORSPORT	5354 BANKS ST	67	1682
Not reported	5328 BANKS ST	67	1728
JOHNSON ALAN RACING	5220 GAINES ST	67	1735
Not reported	5444 NAPA ST	67	1736
Not reported	5252 LOVELOCK ST	67	1739
SPATIG FRANK TEXACO	5110 LINDA VISTA T	67	1763
DANNY S GAS MARKET	5110 LINDA VISTA R	67	1763
Not reported	5390 NAPA ST	67	1773
Not reported	5433 GAINES ST	67	1797
LEE S WHEEL ALIGNMEN	5303 NAPA ST	67	1807
AAMCO AUTOMATIC TRAN	5251 LINDA VISTA R	67	1810
AAMCO TRANSMISSIONS	5251 LINDA VISTA T	67	1813
FASHION VALLEY AM PM	6899 FRIARS RD	69	1913
Not reported	6977 FRIARS RD	69	1935
MC BRIDE S TWENTY FO	915 CAMINO DEL RIO	70	1968
Not reported	5030 CAMINO DE LA S	70	1984
Not reported	730 CAMINO DEL RIO	70	2026
Not reported	1441 CAMINO DEL RIO	70	2048
Not reported	1545 CAMINO DEL RIO	70	2096

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
MAY CO AUTO CENTER	1702 CAMINO DE LA	70	2190
MAY CO AUTO CENTER	1702 CAMINO DEL RI	70	2190
Not reported	6416 FRIARS RD	72	2196
Not reported	591 CAMINO DE LA RE	75	2218
Not reported	5920 FRIARS RD	77	2231
BOULEVARD DODGE	2624 ADAMS AVE	82	2283
Not reported	4747 OREGON ST	82	2285
TREVELLYAN OLDSMOBIL	777 CAMINO DEL RIO	84	2351
Not reported	4420 HOTEL CIRCLE C	85	2356
HOTEL CIRCLE ARCO	2085 HOTEL CIR S	85	2359
STANDARD STATIONS IN	755 W HOTEL CIR	85	2373
Not reported	1235 HOTEL CIR S	85	2377
LONG JACK STAROUST M	1110 N HOTEL CIR	85	2389
STARDUST MOBIL	1110 HOTEL CIR N	85	2390
CHEVRON STATIONS INC	755 HOTEL CIR S	85	2404
TOWN & COUNTRY SERVI	504 HOTEL CIR S	85	2431
MOBIL OIL CO	950 W HOTEL CIR	85	2432
HOTEL CIRCLE SERVICE	504 N HOTEL CIR	85	2433
HOTEL CIRCLE SERVICE	504 HOTEL CIR N	85	2438
Not reported	140 FASHION VLY	85	2440
Not reported	312 FASHION VLY	85	2447
HOTEL CIRCLE SERVICE	504 W HOTEL CIR	85	2467
WOODCOCK IRA	2101 ADAMS AVE	88	2476
NORFOLK MOTORS	4636 PARK BLVD	90	2481
Not reported	4642 PARK BLVD	90	2481
Not reported	4664 PARK BLVD	90	2482
OFNER FOREIGN CAR SE	4664 PARK BLVD	90	2483
SPRADLIN S EXXON SER	2432 HOTEL CIR N	95	2530
Not reported	2440 HOTEL CIR N	95	2531
SAM S ENCO SERVICENT	2432 N HOTEL CIR	95	2532
Not reported	950 MADISON AVE	97	2545
FLYING HEART SERVICE	4620 PACIFIC HWY	99	2551
GIBSON DICK AUTOMOTI	4636 PACIFIC HWY	99	2573
MANCHESTER H H	4100 TAYLOR	99	2573
OLD TOWN SERVICE STA	4100 TAYLOR WY	99	2573
BUSATO & TONINI	4146 TAYLOR WY	99	2574
HERZOG LAWRENCE	4151 TAYLOR WY	99	2575
BROWN EDWIN	4230 TAYLOR WY	99	2575
LARRY S AUTO REPAIR	4277 TAYLOR ST	99	2575
LAUFER S HEAD EXCHAN	4277 TAYLOR WY	99	2576
A A AUTO REPAIR	4285 TAYLOR ST	99	2576
LARRY S AUTO REPAIR	4285 TAYLOR WY	99	2576
CULVER J V	4294 TAYLOR NSD	99	2576
MINASSE SIMON	4297 TAYLOR WY	99	2577
Not reported	3655 CAMINO DEL RIO	104	2698
CUSTOM TRAILER SERVI	3220 JEFFERSON ST	104	2699
Not reported	3535 CAMINO DEL RIO	104	2699
Not reported	2011 FORT STOCKTON	110	2796

EXECUTIVE SUMMARY

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 38 EDR US Hist Cleaners sites within the searched area.

Site	Address	Map ID	Page
Not reported	2537 MELBOURNE DR	9	86
Not reported	10393 FRIARS RD	10	167
Not reported	5942 RANCHO MISSION	14	172
Not reported	10459 SAN DIEGO MIS	14	180
MICHAEL S CLEANERS	10439 SAN DIEGO MI	14	181
Not reported	4242 CAMINO DEL RIO	21	597
ANGELICA HEALTHCARE	5802 FAIRMOUNT AVE	21	607
Not reported	5837 MISSION GORGE	21	648
Not reported	5841 MISSION GORGE	21	657
Not reported	5980 FAIRMOUNT AVE	21	775
DEEP STEAM CARPET CL	4401 TWAIN AVE	21	786
Not reported	3435 CAMINO DEL RIO	30	907
Not reported	5694 MISSION CENTER	35	1184
Not reported	7592 METROPOLITAN D	35	1278
BENNETT COIN OPERATE	9101 FRIARS RD	36	1319
Not reported	2169 FENTON PKWY	39	1336
Not reported	2195 STATION VILLAG	42	1376
Not reported	2222 RIVER RUN DR	43	1400
Not reported	8275 STATION VILLAG	53	1468
Not reported	2020 CAMINO DEL RIO	57	1552
Not reported	7610 HAZARD CENTER	62	1610
Not reported	855 MORENA BLVD	67	1789
MORENA COIN WASH	5305 NAPA ST	67	1807
Not reported	5401 LINDA VISTA RD	67	1841
F A R D JANITORIAL S	1275 BRUNNER ST	71	2194
Not reported	6110 FRIARS RD	76	2225
Not reported	4794 ARIZONA ST	80	2282
U WASH	2602 ADAMS DR	82	2283
ADAMS AVENUE CLEANER	2604 ADAMS AVE	82	2284
U WASH	2602 ADAMS AVE	82	2285
Not reported	1761 HOTEL CIR S	85	2373
Not reported	2127 ADAMS AVE	88	2479
MASTER CLEANERS	4620 PARK BLVD	90	2480
KINIKIN M N L	4644 PARK BLVD	90	2482
KLINGAMAN D R	4675 PARK BLVD	90	2486
CLIFF CLEANERS	1809 ADAMS AVE	90	2486
RAFFEE S CARPETS OF	3603 W CAMINO DEL	104	2699
HAGOPIAN SETH	1924 FT STOCKTON DR	110	2796

EXECUTIVE SUMMARY

CA RGA LUST: The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

A review of the CA RGA LUST list, as provided by EDR, has revealed that there are 89 CA RGA LUST sites within the searched area.

Site	Address	Map ID	Page
TEXACO USA (TERMINAL	9966 SAN DIEGO MISSI	16	215
TEXACO/SAN DIEGO MIS	9966 SAN DIEGO MISSI	16	216
TEXACO USA SALES TER	9966 SAN DIEGO MISSI	16	224
H.G. FENTON MATERIAL	9300 FRIARS RD	19	513
H.G. FENTON MATERIAL	9300 FRIARS RD	19	517
H G FENTON MATERIAL	9300 FRIARS RD	19	520
H.G. FENTON	9300 FRIARS RD	19	521
FENTON PROPERTIES	9300 FRIARS RD	19	521
H. G. FENTON	9300 FRIARS RD	19	521
H G FENTON MATERIAL	9310 FRIARS RD	19	553
H.G. FENTON MATERIAL	9310 FRIARS RD	19	554
QUALCOMM STADIUM	9449 FRIARS RD	25	838
STEVE KIMES CHEVRON	7698 FRIARS RD	35	965
CHEVRON USA PRODUCTS	7698 FRIARS RD	35	970
HAZARD CENTER CHEVRO	7698 FRIARS RD	35	970
CHEVRON #9-0091	7698 FRIARS RD	35	994
TEXACO/MISSION CENTE	5465 MISSION CENTER	35	1033
TEXACO STATION	5465 MISSION CENTER	35	1033
TEXACO STATION	5465 MISSION CENTER	35	1033
MISSION CENTER TEXAC	5465 MISSION CENTER	35	1041
TEXACO/MISSION CENTE	5465 MISSION CENTER	35	1041
MOBIL OIL STATION #1	5494 MISSION CENTER	35	1085
MOBIL OIL STATION #1	5494 MISSION CENTER	35	1085
MISSION VALLEY MOBIL	5494 MISSION CENTER	35	1086
MOBIL 18-G6F	5494 MISSION CENTER	35	1086
MOBIL	5494 MISSION CENTER	35	1086
UNITED STATES RENTAL	1544 FRAZEE ROAD	35	1152
UNITED STATES RENTAL	1544 FRAZEE RD	35	1152
U. S. RENTALS	1544 FRAZEE RD	35	1153
U. S. RENTALS	1544 FRAZEE ROAD	35	1154
SUNROAD PLAZA EAST I	1615 MURRAY CANYON R	35	1156
SUNROAD ENTERPRISES	1615 MURRAY CANYON R	35	1157
SUNROAD PLAZA EAST I	1615 MURRAY CANYON R	35	1157
STADIUM CLEANERS	5694 MISSION CENTER	35	1192
CAL MAT COMPANY	5745 MISSION CENTER	35	1265
INDUSTRIAL ASPHALT	8150 FRIARS RD	48	1423
INDUSTRIAL ASPHALT	8150 FRIARS ROAD	48	1424
HAZARD CENTER	7501 FRIARS RD	59	1584
R. E. HAZARD	7501 FRIARS ROAD	59	1584
R. E. HAZARD	7501 FRIARS RD	59	1584
R.E. HAZARD CONTRACT	7501 FRIARS RD	59	1584
MICHAEL A TOMMANEY	6899 FRIARS RD	69	1913
ARCO 3052	6899 FRIARS RD	69	1914
ARCO #3052	6899 FRIARS RD	69	1914
STELLA MARIS CORP	6899 FRIARS RD	69	1914
ARCO PRODUCTS COMPAN	6899 FRIARS RD	69	1914
FIRESTONE	6977 FRIARS RD	69	1937
FIRESTONE #22F2	6977 FRIARS RD	69	1937
MARVIN K BROWN CADII	1441 CAMINO DEL RIO	70	2060

Site	Address	Map ID	Page
MARVIN K BROWN	1441 CAMINO DEL RIO	70	2066
MARVIN K BROWN CADIL	1441 CAMINO DEL RIO	70	2067
MARVIN K. BROWN CADI	1441 CAMINO DEL RIO	70	2067
MARVIN K. BROWN	1441 CAMINO DEL RIO	70	2067
BROWN, MARVIN	1441 CAMINO DEL RIO	70	2067
MARVIN K BROWN CADIL	1441 CAMINO DEL RIO	70	2089
BROWN, MARVIN	1441 CAMINO DEL RIO	70	2090
RADISSON HOTEL SAN D	1433 CAMINO DEL RIO	70	2093
JOHN HINE PONTIAC MA	1545 CAMINO DEL RIO	70	2095
JOHN HINE PONTIAC MA	1545 CAMINO DEL RIO	70	2095
UNOCAL #4862	5050 MISSION CENTER	70	2160
UNOCAL CORP.	5050 MISSION CENTER	70	2160
UNOCAL/MINUTEMAN CAR	5050 MISSION CENTER	70	2161
UNOCAL	5050 MISSION CENTER	70	2161
UNOCAL SERV STATION	5050 MISSION CENTER	70	2161
UNION #4862	5050 MISSION CENTER	70	2161
UNION TRIBUNE	350 CAMINO DE LA REI	79	2279
TREVELLYAN OLDSMOBIL	777 CAMINO DEL RIO,	84	2352
TREVELLYAN OLDSMOBIL	777 CAMINO DEL RIO S	84	2352
TREVELLYAN OLDSMOBIL	777 CAMINO DEL RIO,	84	2353
FORMER ARCO STATION	2085 HOTEL CIRCLE S	85	2359
PRESIDENTIAL LIMOUSI	2085 HOTEL CIRCLE SO	85	2363
PRESIDENTIAL LIMO. S	2085 HOTEL CIRCLE S	85	2363
PRESIDENTIAL LIMOUSI	2085 HOTEL CIRCLE S	85	2363
CHEVRON 90158	755 HOTEL CIRCLE S	85	2395
CHEVRON USA	755 HOTEL CIRCLE S	85	2400
CHEVRON #9-0158	755 HOTEL CIRCLE S	85	2408
CHEVRON STATION #9-0	755 HOTEL CIRCLE S	85	2409
ATLAS HOTEL	504 HOTEL CIRCLE N	85	2434
ATLAS HOTEL	504 HOTEL CIRCLE, NO	85	2434
HOTEL CIRCLE SEVENTY	504 HOTEL CIRCLE N	85	2435
ATLAS HOTEL	504 HOTEL CIRCLE NOR	85	2438
FIRESTONE TIRE AND R	140 FASHION VALLEY	85	2441
EXXON SERVICE STATIO	2432 HOTEL CIRCLE N	95	2529
EXXON SERVICE STATIO	2432 HOTEL CIRCLE N	95	2531
EXXON	2432 HOTEL CIRCLE N	95	2531
EXXON SERVICE STATIO	2432 HOTEL CIRCLE NO	95	2531
RIVER VALLEY SPORTS	2440 HOTEL CIRCLE PL	95	2540
RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL	95	2540
RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL	95	2540

CA RGA LF: The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

A review of the CA RGA LF list, as provided by EDR, has revealed that there are 2 CA RGA LF sites within the searched area.

Site	Address	Map ID	Page
SOIL WASH TECHNOLOGI Facility ID: 37-AA-0940	9310-C FRIARS ROAD	19	554

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
SHEWEY ENVIRONMENTAL	9310 FRIARS ROAD	19	555

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

Database	Total Plotted
FEDERAL RECORDS	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	0
CERC-NFRAP	6
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	15
RCRA-SQG	53
RCRA-CESQG	0
RCRA NonGen / NLR	9
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	104
HMIRS	4
DOT OPS	0
US CDL	1
US BROWNFIELDS	0
DOD	1
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
ODI	0
DEBRIS REGION 9	0
US MINES	1
TRIS	0
TSCA	0
FTTS	9
HIST FTTS	7
SSTS	0
ICIS	1
PADS	0
MLTS	0
RADINFO	0
FINDS	88
RAATS	0
RMP	0
US AIRS	1
LEAD SMELTERS	0
2020 COR ACTION	0
PRP	0
EPA WATCH LIST	0
US FIN ASSUR	0
FEDERAL FACILITY	0

MAP FINDINGS SUMMARY

Database	Total Plotted
PCB TRANSFORMER	0
US HIST CDL	0
COAL ASH DOE	0
SCRD DRYCLEANERS	0
COAL ASH EPA	0
FEMA UST	0
STATE AND LOCAL RECORDS	
CA HIST Cal-Sites	1
CA BOND EXP. PLAN	0
CA SCH	2
CA Toxic Pits	1
CA SWF/LF	4
CA UIC	0
CA WDS	7
CA NPDES	22
CA Cortese	2
CA HIST CORTESE	120
CA SWRCY	4
CA LUST	190
CA FID UST	0
CA SLIC	82
CA UST	32
CA HIST UST	77
CA LIENS	0
CA CUPA Listings	0
NY MANIFEST	1
CA SWEEPS UST	134
CA CHMIRS	91
CA LDS	4
CA AST	17
CA MCS	2
CA Notify 65	33
CA DEED	0
CA VCP	0
CA DRYCLEANERS	8
CA WIP	0
CA CDL	0
CA ENF	9
CA RESPONSE	1
CA HAZNET	376
CA EMI	54
CA HAULERS	0
CA ENVIROSTOR	33
CA MWMP	0
CA HWP	0
CA HWT	0
CA PROC	0
CA WMUDS/SWAT	8
TRIBAL RECORDS	
INDIAN RESERV	0

MAP FINDINGS SUMMARY

Database	Total Plotted
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0
EDR PROPRIETARY RECORDS	
EDR MGP	0
EDR US Hist Auto Stat	126
EDR US Hist Cleaners	38
CA RGA LUST	89
CA RGA LF	2

NOTES:

Sites may be listed in more than one database

DOD **MIRAMAR NAVAL AIR STATION** **DOD** **CUSA145460**
Region **N/A**

MIRAMAR NAVAL AIR STATION (County), CA

DOD:
- Feature 1: Navy DOD
- Feature 2: Not reported
- Feature 3: Not reported
- URL: Not reported
- Name 1: Miramar Naval Air Station
- Name 2: Not reported
- Name 3: Not reported
- State: CA
- DOD Site: Yes
- Tile name: CASAN_DIEGO

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1 **CAMP LAMESA** **CA ENVIROSTOR** **S107736034**
N/A

SAN DIEGO, CA

ENVIROSTOR:
- Facility ID: 80000215
- Status: Active
- Status Date: 08/17/2014
- Site Code: 401510
- Site Type: Military Evaluation
- Site Type Detailed: FUDS
- Acres: 50
- NPL: NO
- Regulatory Agencies: SMBRP
- Lead Agency: SMBRP
- Program Manager: Not reported
- Supervisor: Douglas Bautista
- Division Branch: Cleanup Cypress
- Assembly: 79
- Senate: 39
- Special Program: Not reported
- Restricted Use: NO
- Site Mgmt Req: NONE SPECIFIED
- Funding: DERA
- Latitude: 32.8
- Longitude: -117.0916
- APN: NONE SPECIFIED
- Past Use: FIRING RANGE - ARTILLERY, FIRING RANGE - SMALL ARMS ETC...
- Potential COC: Explosives (UXO, MEC
- Confirmed COC: Explosives (UXO, MEC
- Potential Description: SOIL
  - Alias Name: CA99799F540300
  - Alias Type: Federal Facility ID
  - Alias Name: 401510
  - Alias Type: Project Code (Site Code)
  - Alias Name: 80000215
  - Alias Type: Envirostor ID Number
  - Alias Name: J09CA0286
  - Alias Type: Envirostor ID Number

Completed Info:
- Completed Area Name: PROJECT WIDE
- Completed Sub Area Name: Not reported
- Completed Document Type: Archive Search Report (ASR)

CAMP LAMESA (Continued) **S107736034**

Completed Date: 04/01/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Screening
Schedule Due Date: 09/16/2014
Schedule Revised Date: Not reported

---

2 **BIRMINGTON DR. & MEADOWLARK DR** **CA Notify 65** **S100178291**
N/A

SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

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3 **DALEY CORP** **CERC-NFRAP** **1003878624**
2400 MURPHY CYN RD **CAD980735989**
SAN DIEGO, CA 92124

CERC-NFRAP:
Site ID: 0902002
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13285145.00000
Person ID: 13003854.00000

Contact Sequence ID: 13290740.00000
Person ID: 13003858.00000

Contact Sequence ID: 13296598.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: LETTIN WILLIAM C
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/79
Priority Level: Not reported

DALEY CORP (Continued) **1003878624**

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 02/01/85
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 02/01/85
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

---

3 **DALEY CORP** **CA LUST** **S100610333**
2400 MURPHY CANYON RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92123 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2566
Local Case: H03378-002
Substance: Gasoline
Qty Leaked: 0
Abate Method: EDET
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 10/20/1993
Date Stopped: 10/21/1993
Confirm Date: 10/20/1993
Submit Workplan: 10/20/93
Prelim Assess: 11/18/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/28/1993
Enforce Date: Not reported
Closed Date: 7/14/97
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 6’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 3378

DALEY CORP (Continued) **S100610333**

Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000001
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: 18

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000002
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000003
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

DALEY CORP (Continued) **S100610333**

SWRCB Tank Id: 37-000-003378-000004
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000005
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000006
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000007
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

DALEY CORP (Continued) **S100610333**

Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000008
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000009
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000010
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9

DALEY CORP (Continued) **S100610333**

Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000011
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000012
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000013
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000014

DALEY CORP (Continued) **S100610333**

Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000015
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000016
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000017
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported

DALEY CORP (Continued) **S100610333**

Number Of Tanks: Not reported

Status: Active
Comp Number: 3378
Number: 9
Board Of Equalization: 44-021845
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003378-000018
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 103378
Business Type: Not reported
EPA Id Number: CAD981396278
APN: 429-260-10-00
Last HMMD Inspection: 03/08/1993
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: DALEY CORPORATION
Facility Address: PO BOX 609018
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92160-
UST Owner: DALEY CORPORATION
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103378 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103378
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 12000
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS
Reg Status: EXEMPT
Remove Close Date: Not reported
Year Installed: 1980-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

DALEY CORP (Continued) **S100610333**

UST Name:	UNDERGROUND TANK 103378 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103378 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103378 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103378 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	12000

DALEY CORP (Continued) **S100610333**

UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103378 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103378 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	7
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 103378 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	8
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL

DALEY CORP (Continued) **S100610333**

Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103378 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	9
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103378 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	10
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	EXEMPT
Remove Close Date:	Not reported
Year Installed:	1961-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103378 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	11 UNLEADED
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103378 T012

DALEY CORP (Continued) **S100610333**

Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	12 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103378 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	13 DIESEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103378 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	14 DIESEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103378 T015
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	15 DIESEL
Capacity Gallons:	10000
UST Contents:	DIESEL

DALEY CORP (Continued) **S100610333**

Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103378 T016
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	16 MOTOR OIL
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 103378 T017
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	17 MOTOR OIL
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	1950-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 103378 T018
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	18 WASTE OIL
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported

DALEY CORP (Continued) **S100610333**

Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103378 T019
Last Update:	2012-11-02 14:17:38
Permit Number:	103378
Tank Type:	SINGLE WALL
Additional Id:	019
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-10-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
Facility Id:	125266
Business Type:	6HK26
EPA Id Number:	CAL000057040
APN:	DEH-125266
Last HMMD Inspection:	04/21/1993
Permit Status:	INAC
Permit Expiration:	04/21/1993
Facility Owner:	ART ENGEL
Facility Address:	P O BOX 13668
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92170-3668
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Facility Id:	125267
Business Type:	6HK29
EPA Id Number:	CAL000081194
APN:	DEH-125267
Last HMMD Inspection:	04/13/1993
Permit Status:	INAC
Permit Expiration:	04/13/1993
Facility Owner:	TOM HOUSHAR
Facility Address:	P O BOX 939005
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92193-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

DALEY CORP (Continued) **S100610333**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

SAN DIEGO CO. SAM:
Case Number: H03378-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 11/20/1997
Date Began: 6/29/1993

Case Number: H03378-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 7/14/1997
Date Began: 10/20/1993

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3 **DALEY CORP** **CA LUST** **U001573141**
2400 MURPHY CANYON RD **CA SLIC** **N/A**
SAN DIEGO, CA 92123 **CA HIST UST**

LUST:
Region: STATE
Global Id: T0607301313
Latitude: 32.7958128
Longitude: -117.1142319
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/14/1997
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2566
LOC Case Number: H03378-002
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301313
Status: Completed - Case Closed
Status Date: 07/14/1997

Global Id: T0607301313
Status: Open - Case Begin Date
Status Date: 10/20/1993

Regulatory Activities:
Global Id: T0607301313

DALEY CORP (Continued) **U001573141**

Action Type:	ENFORCEMENT
Date:	06/18/1997
Action:	Closure/No Further Action Letter - #H03378-002
Global Id:	T0607301313
Action Type:	ENFORCEMENT
Date:	11/09/1993
Action:	Notice of Responsibility

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/20/1997
Global Id:	T0608194046
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H03378-001
Latitude:	32.81678
Longitude:	-117.116928
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000006286
Facility Type:	Other
Other Type:	GEN. ENG. CONTRACTOR
Contact Name:	DALEY CORPORATION
Telephone:	6192836101
Owner Name:	DALEY CORPORATION
Owner Address:	2400 MURPHY CANYON RD.
Owner City,St,Zip:	SAN DIEGO, CA 92120
Total Tanks:	0018
Tank Num:	001
Container Num:	1
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16"
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	#2
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT

DALEY CORP (Continued) **U001573141**

Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	#3
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	#4
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	#5
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	#6
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor
Tank Num:	007
Container Num:	#7
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor
Tank Num:	008
Container Num:	#8
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

DALEY CORP (Continued) **U001573141**

Tank Num:	009
Container Num:	#9
Year Installed:	1980
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	5/16
Leak Detection:	Stock Inventor

Tank Num:	010
Container Num:	#10
Year Installed:	1961
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	011
Container Num:	#11
Year Installed:	1950
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	012
Container Num:	#12
Year Installed:	1950
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	013
Container Num:	#13
Year Installed:	1950
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	014
Container Num:	#14
Year Installed:	1950
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	015
Container Num:	#15
Year Installed:	1950

DALEY CORP (Continued) **U001573141**

Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 016
Container Num: #16
Year Installed: 1950
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: 017
Container Num: #17
Year Installed: 1950
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 018
Container Num: #18
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

---

4 **CA Notify 65** **S100178187**

7850 VISTA HILL **N/A**
SAN DIEGO, CA 92123

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92123-2717

---

4 **CA Notify 65** **S100178164**

7850 VISTA HILLS **N/A**
SAN DIEGO, CA 92123

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92123-2717

5 **NAVAL BASE SAN DIEGO (NBSD) - MWR GOLF COURSE MNT** **CA MCS** **S108087214**
0 ADMIRAL BAKER FLD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92136

MCS:

Global Id:	T06019773786
Latitude:	32.79485
Longitude:	-117.1007
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	05/15/2007
Lead Agency:	SAN DIEGO COUNTY LOP
Caseworker:	LA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H80642-002
File Location:	Local Agency
Potential Media Affect:	Soil
EDR Link ID:	T06019773786
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. SAM:

Case Number:	H80642-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/15/2007
Date Began:	3/6/2006

---

6 **SMOG PROS #1761** **CA HIST CORTESE** **S103648176**
2696 MISSION VILLAGE DR **CA LUST** **N/A**
SAN DIEGO, CA 92123 **CA SLIC**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1043

LUST:

Region:	STATE
Global Id:	T0607300058
Latitude:	32.7927095
Longitude:	-117.1228382
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/14/2008
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1043
LOC Case Number:	H12275-002
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline

SMOG PROS #1761 (Continued) **S103648176**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300058
Status:	Completed - Case Closed
Status Date:	05/14/2008
Global Id:	T0607300058
Status:	Open - Case Begin Date
Status Date:	09/12/1988

Regulatory Activities:

Global Id:	T0607300058
Action Type:	Other
Date:	09/12/1988
Action:	Leak Began
Global Id:	T0607300058
Action Type:	Other
Date:	09/12/1988
Action:	Leak Discovery
Global Id:	T0607300058
Action Type:	Other
Date:	09/12/1988
Action:	Leak Stopped
Global Id:	T0607300058
Action Type:	ENFORCEMENT
Date:	09/12/1988
Action:	Notice of Responsibility
Global Id:	T0607300058
Action Type:	Other
Date:	09/12/1988
Action:	Leak Reported

Region:	STATE
Global Id:	T0607391305
Latitude:	32.794294
Longitude:	-117.12437
Case Type:	LUST Cleanup Site
Status:	Open - Remediation
Status Date:	03/23/2001
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	EM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H12275-005
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Contamination was identified in August of 1988, when a UST was removed from the site. Site assessment and groundwater monitoring has

SMOG PROS #1761 (Continued) **S103648176**

been occuring since 1991 on this site. This has been a vacant commercial lot since 2000. Remediation has been occuring and additional assessment is ongoing on this site at this time. Please see the Environmental Data tab for additional site specific information.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607391305
Contact Type:	Local Agency Caseworker
Contact Name:	EWAN MOFFAT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ewan.moffat@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607391305
Status:	Open - Case Begin Date
Status Date:	02/01/2001
Global Id:	T0607391305
Status:	Open - Remediation
Status Date:	03/23/2001

Regulatory Activities:

Global Id:	T0607391305
Action Type:	Other
Date:	02/01/2001
Action:	Leak Began
Global Id:	T0607391305
Action Type:	RESPONSE
Date:	04/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607391305
Action Type:	RESPONSE
Date:	10/23/2012
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T0607391305
Action Type:	RESPONSE
Date:	10/30/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607391305
Action Type:	Other
Date:	02/01/2001
Action:	Leak Discovery
Global Id:	T0607391305
Action Type:	RESPONSE
Date:	07/30/2012
Action:	Monitoring Report - Semi-Annually

SMOG PROS #1761 (Continued) **S103648176**

Global Id: T0607391305
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607391305
Action Type: Other
Date: 02/01/2001
Action: Leak Stopped

Global Id: T0607391305
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607391305
Action Type: ENFORCEMENT
Date: 04/13/2001
Action: Notice of Responsibility

Global Id: T0607391305
Action Type: ENFORCEMENT
Date: 08/16/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607391305
Action Type: Other
Date: 02/01/2001
Action: Leak Reported

Global Id: T0607391305
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607391305
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607391305
Action Type: ENFORCEMENT
Date: 04/09/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607391305
Action Type: ENFORCEMENT
Date: 05/17/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607391305
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607391305
Action Type: RESPONSE

SMOG PROS #1761 (Continued) **S103648176**

Date: 01/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607391305
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Letter - Notice

Global Id: T0607391305
Action Type: RESPONSE
Date: 04/29/2009
Action: Site Assessment Report

Global Id: T0607391305
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607391305
Action Type: RESPONSE
Date: 07/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607391305
Action Type: RESPONSE
Date: 01/30/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607391305
Action Type: ENFORCEMENT
Date: 11/12/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607391305
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607391305
Action Type: RESPONSE
Date: 04/13/2009
Action: Monitoring Report - Quarterly

Global Id: T0607391305
Action Type: RESPONSE
Date: 10/27/2011
Action: CAP/RAP - Other Report - Regulator Responded

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 09/08/1992
Global Id: T0608137528
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H12275-003
Latitude: 32.794294

SMOG PROS #1761 (Continued) **S103648176**

Longitude:	-117.12437
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	06/30/1992
Global Id:	T0608138856
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12275-004
Latitude:	32.7938615
Longitude:	-117.1236168
Case Type:	Cleanup Program Site
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/25/1988
Global Id:	T0608139939
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12275-001
Latitude:	32.794294
Longitude:	-117.12437
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

6 **ARCO #1761**
2696 MISSION VILLAGE DR
SAN DIEGO, CA 92121

CA LUST **S100233002**
CA SWEEPS UST **N/A**
CA Notify 65
CA San Diego Co. HMMD
CA EMI
CA SAN DIEGO CO. SAM

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT1043
Local Case:	H12275-002
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Repair Tank
Source:	Unknown
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	08/30/1988
Date Stopped:	08/30/1988
Confirm Date:	09/12/1988
Submit Workplan:	Not reported
Prelim Assess:	02/12/1993
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/12/1988
Enforce Date:	9/12/88
Closed Date:	Not reported
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	908.22
GW Depth:	> 8'
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	12275
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012275-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported

ARCO #1761 (Continued) **S100233002**

Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4
Status:	Active
Comp Number:	12275
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012275-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	12275
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012275-000003
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	12275
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012275-000005
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported

ARCO #1761 (Continued) **S100233002**

Comp Number: 12275
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012275-000004
Tank Status: Not reported
Capacity: 280
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92123-3635

SAN DIEGO CO. HMMD:
Facility Id: 112275
Business Type: 6HK29
EPA Id Number: CAD981166994
APN: 429-281-01-00
Last HMMD Inspection: 11/08/2000
Permit Status: INAC
Permit Expiration: 11/08/2000
Facility Owner: ARCO, ENV. COMPLIANCE DEPT.
Facility Address: PO BOX 6038
Facility City: ARTESIA
Facility State: CA
Facility Zip: 90702-6038
UST Owner: ARCO PETROLEUM PRODUCTS CO
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112275 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112275
Tank Type: SINGLE WALL
Additional Id: AT4644
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 2001-01-02 00:00:00
Year Installed: 1979-01-01 00:00:00

ARCO #1761 (Continued) **S100233002**

Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 112275 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112275
Tank Type: SINGLE WALL
Additional Id: AT4644
Capacity Gallons: 10000
UST Contents: MIDGRADE UNLEADED
Other Content Info: MIDGRADE UNLEADED
Reg Status: REMOVED
Remove Close Date: 2001-01-02 00:00:00
Year Installed: 1979-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 112275 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 112275
Tank Type: SINGLE WALL
Additional Id: AT4644
Capacity Gallons: 8000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 2001-01-02 00:00:00
Year Installed: 1979-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 02
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 112275 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 112275
Tank Type: SINGLE WALL
Additional Id: 0000000004
Capacity Gallons: 280
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1988-01-01 00:00:00
Year Installed: 1963-01-01 00:00:00
Pipe Type: Not reported
Delivery System: GRAVITY
Monitor Code: 10
UST Monitor Method: SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

ARCO #1761 (Continued) **S100233002**

UST Name:	UNDERGROUND TANK 112275 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112275
Tank Type:	DOUBLE WALL
Additional Id:	AT4644
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2001-01-02 00:00:00
Year Installed:	1991-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3789
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3789
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H12275-001
Agency:	DEH Site Assessment & Mitigation

ARCO #1761 (Continued) **S100233002**

Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	2/25/1988
Date Began:	3/9/1987
Case Number:	H12275-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	5/14/2008
Date Began:	9/12/1988
Case Number:	H12275-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	9/8/1992
Date Began:	6/17/1992
Case Number:	H12275-004
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Remedial Investigation
Date:	6/30/1992
Date Began:	3/16/1992
Case Number:	H12275-005
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Remedial Investigation
Date:	2/1/2001
Date Began:	2/1/2001

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7 **BEST CLEANERS** **RCRA-SQG** **1000391455**
10450 FRIARS RD **FINDS** **CAD981673437**
SAN DIEGO, CA 92120 **CA SLIC**
CA San Diego Co. HMMD
CA HAZNET
CA ENVIROSTOR
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	BEST CLEANERS
Facility address:	10450 FRIARS RD SAN DIEGO, CA 92120
EPA ID:	CAD981673437
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported

BEST CLEANERS (Continued) **1000391455**

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: YAGOU F NAZIRI
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/25/1986
Site name: BEST CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002745726

BEST CLEANERS (Continued) **1000391455**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/08/2002
Global Id:	T0608101862
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12884-001
Latitude:	32.792159
Longitude:	-117.098768
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	209135
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	458-700-10-00
Last HMMD Inspection:	03/13/2008
Permit Status:	INAC
Permit Expiration:	07/31/2011
Facility Owner:	WALTER KIZY
Facility Address:	10450 FRIARS RD #G
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	215519
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	458-700-10-00
Last HMMD Inspection:	09/15/2011
Permit Status:	OPEN

BEST CLEANERS (Continued) **1000391455**

Permit Expiration:	01/31/2013
Facility Owner:	DUNYA ANTWAN, DDS
Facility Address:	10450 FRIARS RD #G
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	215519
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	112884
Business Type:	6HK53
EPA Id Number:	CAD981673437
APN:	DEH-112884
Last HMMD Inspection:	10/07/1999
Permit Status:	INAC
Permit Expiration:	10/07/1999
Facility Owner:	JOSEPH A. PENLAND
Facility Address:	10450 FRIARS RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-2311
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	215519
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	458-700-10-00
Last HMMD Inspection:	09/15/2011
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	DUNYA ANTWAN, DDS
Facility Address:	10450 FRIARS RD #G
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported

BEST CLEANERS (Continued) **1000391455**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 215519
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Click this hyperlink while viewing on your computer to access
-1 additional CA_HMMD: record(s) in the EDR Site Report.

HAZNET:
envid: 1000391455
Year: 1997
GEPAID: CAD981673437
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 10450 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921202311
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Not reported
Tons: .4400
Facility County: San Diego

envid: 1000391455
Year: 1997
GEPAID: CAD981673437
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 10450 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921202311
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler
Tons: .0000
Facility County: San Diego

envid: 1000391455
Year: 1996

BEST CLEANERS (Continued) **1000391455**

GEPAID: CAD981673437
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 10450 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921202311
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .6507
Facility County: San Diego

envid: 1000391455
Year: 1995
GEPAID: CAD981673437
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 10450 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921202311
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .5465
Facility County: San Diego

envid: 1000391455
Year: 1995
GEPAID: CAD981673437
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 10450 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921202311
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler
Tons: .0000
Facility County: San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

ENVIROSTOR:
Facility ID: 37650016
Status: Refer: 1248 Local Agency
Status Date: 09/13/2001
Site Code: Not reported
Site Type: Evaluation

BEST CLEANERS (Continued) **1000391455**

Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.79221
Longitude:	-117.0989
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37650016
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H12884-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/8/2002
Date Began:	9/10/2001

7 **TEXACO** **CA HIST CORTESE** **S102438612**
6605 MISSION GORGE RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1799

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2583

LUST:

Region:	STATE
Global Id:	T0607300591
Latitude:	32.793254
Longitude:	-117.097013
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/24/1991
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1799
LOC Case Number:	H13023-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300591
Status:	Open - Case Begin Date
Status Date:	09/04/1990

Global Id:	T0607300591
Status:	Completed - Case Closed
Status Date:	08/24/1991

Regulatory Activities:

Global Id:	T0607300591
Action Type:	Other
Date:	09/04/1990
Action:	Leak Began

Global Id:	T0607300591
Action Type:	Other
Date:	09/04/1990
Action:	Leak Discovery

Global Id:	T0607300591
Action Type:	Other

TEXACO (Continued) **S102438612**

Date:	09/04/1990
Action:	Leak Stopped
Global Id:	T0607300591
Action Type:	ENFORCEMENT
Date:	10/25/1990
Action:	Notice of Responsibility
Global Id:	T0607300591
Action Type:	Other
Date:	10/23/1990
Action:	Leak Reported
Region:	STATE
Global Id:	T0607301332
Latitude:	32.7930768
Longitude:	-117.0974047
Case Type:	LUST Cleanup Site
Status:	Open - Eligible for Closure
Status Date:	06/22/2013
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2583
LOC Case Number:	H13023-002
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	This case was opened when soil contamination was discovered in the underground storage tank (UST) excavation and the westernmost dispenser area during the removal of the underground storage tank system, when the station was decommissioned in October 1993. The tank area was excavated to a depth of 23 feet below ground surface and 406.71 tons (approximately 608 cubic yards) of hydrocarbon impacted soil was taken to TPST for recycling. Based on soil sample data the consultant estimated that there were 437 cubic yards of contaminated soil remaining following excavation. Concentrations of gasoline in excess of 100 mg/kg were encountered at depths ranging from 18 to 24 feet below ground surface (bgs) in the vicinity of the former USTs. Contaminated soil was found at four feet bgs at the westernmost dispenser island. Between 1995 and 2004, fourteen monitoring wells were installed associated with the site. Seven wells were located onsite and seven wells off-site to the west across Mission Gorge Road on the Village Square Retail Property located at 6628 Mission Gorge Road. Groundwater monitoring began in May 1, 1995 and continued through December 29, 2011. Dissolved phase gasoline, and its constituents: benzene, ethyl benzene, toluene, xylenes and additive, methyl tertiary butyl ether (MTBE) were detected in groundwater at the site. The maximum concentrations of contaminants were detected in wells (MW-2A) near the former dispenser islands, including the southernmost dispenser island (MW-8). Free product has not been detected at the site. In December 2012, the maximum concentration of gasoline (3,800 ug/l) was detected in well MW6. Benzene (120 ug/l), and tert-butyl alcohol (TBA) [100 ug/l], were detected in onsite well MW-8, and the maximum concentration of MTBE (23 ug/l) was detected in off-site well MW-12. Well MW-12 is the down-gradient well closest to

TEXACO (Continued) **S102438612**

the San Diego River. The consultant estimated the time it would take for contaminants to reach maximum contaminant levels (MCL) based on trend analyses, first order decay rate equations and the Thiessen polygon method for mass remaining. They estimated it would take at least 16 years for TBA to reach to the State notification level of 12 ug/l, at least 4 years for MTBE concentrations to reach the MCL of 13 ug/l, and at least 5 years for benzene to reach the MCL of 1 ug/l. In an effort to remediate soil and groundwater in the former gasoline UST area, a total of 1,845 pounds of oxygen releasing compound (ORC) were injected into the saturated zone in the former tank pit on July 28-29, 1997. Soil samples were collected in the saturated zone to document hydrocarbon concentrations (ORC1-ORC16) prior to injection. Well MP-1 was installed 5 feet west of the ORC injection area to monitor down-gradient dissolved oxygen and hydrocarbon concentrations. On July 7, 1998, nine confirmation Geoprobe borings (GP1-GP9) were installed to determine the effectiveness of the ORC. Soil samples were collected and submitted for laboratory analysis from three of the borings from the interval at 20 to 24 feet below grade. The consultant compared the confirmation boring data to the prior to injection data and concluded that ORC was effective in reducing hydrocarbon concentrations in soil by 52 to 97 percent. The consultant also collected a groundwater sample from well MP-1 and concluded that benzene was the only contaminant that showed a reduction in concentration in the ORC injection area. Seven enhanced fluid recovery events using a vacuum truck were conducted on wells MW-3, MW-6 and MW-8 to remove petroleum hydrocarbon impacted groundwater and vapor from December 2008 to December 2009. Approximately 3,715 gallons of groundwater and an unknown quantity of soil vapor were removed during these events. This technology was not effective in producing long-term reductions in contaminant concentrations in groundwater. The site is located in an area classified as beneficial for agricultural, industrial and process supply and potential municipal use. The City of San Diego (City) is presently assessing the development potential of all of its groundwater resources. The City reserves its right to consider and/or develop any and all available groundwater resources, including, but not limited to groundwater that may be available for extraction at any City property, including the property in the vicinity of the subject site. The City currently has no immediate plans to install wells within a half-mile radius of the site. In March 1999, a soil vapor survey was conducted in the area of the former tank excavation to assess potential risk to occupants of the building. Gasoline and volatile organic compounds were not detected; therefore, a risk assessment was not conducted. A sensitive receptor study was conducted for the site and three irrigation wells were identified at approximately 0.45, 0.58 and 0.78 miles north of the site. The consultant concluded based on the limited size of the plume and the rate of natural attenuation that it was unlikely that contaminants in the site groundwater pose a current or future threat to these irrigation wells. The consultant concluded that all other sensitive receptors (i.e. schools) did not have complete pathways and were eliminated from consideration. The consultant indicated that a sewer lateral that runs from the building south to Zion Avenue near well MW-8 was the only identified subsurface utility that may intersect groundwater and could potentially act as a preferential pathway for migration of contaminants. Additional investigation by the consultant including a field visit eliminated this pathway. The consultant

TEXACO (Continued) **S102438612**

concluded that it appears there would be at least 14 feet of clean soil between the sewer lateral and the water-table, therefore, the it does not appear that the sewer lateral could act as a preferential pathway for migration of contaminants. The San Diego River is located down-gradient, approximately 500 feet north and west of the site. In order to evaluate the possibility that the site groundwater could have impacted the river, several rounds of river water samples were collected from locations upstream and downstream from the site and analyzed for volatile organic compounds (BTEX, MTBE & oxygenates) and none were detected. The consultant concluded that the water in the San Diego River had not been impacted by the groundwater at the site. A Corrective Action Plan was prepared for the site which recommended remediation of the soil and groundwater by natural attenuation. The consultant concluded that there were no apparent risks to human health, utilities, or sensitive receptors from the remaining soil and groundwater contamination at the site. The consultant recommended no further action for the site and DEH concurs with this recommendation.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301332
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	nasser.sionit@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301332
Status:	Open - Site Assessment
Status Date:	06/17/2009
Global Id:	T0607301332
Status:	Open - Case Begin Date
Status Date:	10/14/1993
Global Id:	T0607301332
Status:	Open - Eligible for Closure
Status Date:	06/22/2013
Global Id:	T0607301332
Status:	Open - Remediation
Status Date:	10/27/1994

Regulatory Activities:

Global Id:	T0607301332
Action Type:	ENFORCEMENT
Date:	03/09/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301332
Action Type:	Other
Date:	10/14/1993
Action:	Leak Began

TEXACO (Continued) **S102438612**

Global Id: T0607301332
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: RESPONSE
Date: 12/09/2014
Action: Request for Closure - Regulator Responded

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 06/30/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 08/09/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: RESPONSE
Date: 08/09/2010
Action: Correspondence

Global Id: T0607301332
Action Type: RESPONSE
Date: 09/02/2010
Action: Correspondence

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 10/13/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: Other
Date: 10/14/1993
Action: Leak Discovery

Global Id: T0607301332
Action Type: RESPONSE
Date: 01/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: RESPONSE
Date: 04/18/2011
Action: Other Report / Document

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 05/04/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: ENFORCEMENT

TEXACO (Continued) **S102438612**

Date: 10/20/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: Other
Date: 10/14/1993
Action: Leak Stopped

Global Id: T0607301332
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: RESPONSE
Date: 09/12/2011
Action: Other Report / Document

Global Id: T0607301332
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: RESPONSE
Date: 05/23/2012
Action: Correspondence

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 02/14/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 12/29/1993
Action: Notice of Responsibility

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 10/02/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 10/17/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 07/05/2012
Action: Technical Correspondence / Assistance / Other

TEXACO (Continued) **S102438612**

Global Id: T0607301332
Action Type: Other
Date: 10/14/1993
Action: Leak Reported

Global Id: T0607301332
Action Type: RESPONSE
Date: 10/23/2012
Action: Correspondence

Global Id: T0607301332
Action Type: RESPONSE
Date: 01/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 10/30/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 07/17/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: RESPONSE
Date: 05/28/2013
Action: Correspondence

Global Id: T0607301332
Action Type: RESPONSE
Date: 07/15/2013
Action: Correspondence

Global Id: T0607301332
Action Type: RESPONSE
Date: 07/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: RESPONSE
Date: 09/10/2013
Action: Other Report / Document

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 11/15/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 01/29/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: RESPONSE

TEXACO (Continued) **S102438612**

Date: 04/30/2009
Action: Other Workplan

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Letter - Notice

Global Id: T0607301332
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: RESPONSE
Date: 12/09/2014
Action: Well Destruction Report

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 09/10/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301332
Action Type: ENFORCEMENT
Date: 10/16/2014
Action: Closure/No Further Action Letter

Global Id: T0607301332
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607301332
Action Type: RESPONSE
Date: 02/25/2010
Action: Monitoring Report - Other

Global Id: T0607301332
Action Type: RESPONSE
Date: 06/10/2010
Action: Correspondence

Global Id: T0607301332
Action Type: RESPONSE
Date: 01/05/2012
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0607301332
Action Type: RESPONSE
Date: 03/27/2012
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0607301332
Action Type: RESPONSE
Date: 07/16/2012
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator

TEXACO (Continued) **S102438612**

Responded

Global Id: T0607301332
Action Type: RESPONSE
Date: 06/18/2012
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1799
Local Case: H13023-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Piping
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 09/04/1990
Date Stopped: 09/04/1990
Confirm Date: 10/23/1990
Submit Workplan: 10/25/90
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/27/1990
Enforce Date: Not reported
Closed Date: 8/12/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: Not reported
GW Depth: 20
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2583
Local Case: H13023-002
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure

TEXACO (Continued) **S102438612**

How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 10/14/1993
Date Stopped: 10/14/1993
Confirm Date: 10/14/1993
Submit Workplan: Not reported
Prelim Assess: 10/14/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/06/1993
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 13023
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013023-000001
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 13023
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013023-000002
Tank Status: A

TEXACO (Continued) **S102438612**

Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13023
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013023-000003
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13023
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013023-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 113023
Business Type: Not reported
EPA Id Number: Not reported
APN: 458-162-10-00
Last HMMD Inspection: 07/14/1994
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: TEXACO REFINING & MARKETING
Facility Address: 9966 SAN DIEGO MISSION RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-1721
UST Owner: TEXACO USA
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported

TEXACO (Continued) **S102438612**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113023 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113023
Tank Type: SINGLE WALL
Additional Id: 001
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1993-10-14 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113023 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113023
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 8000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 1993-10-14 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113023 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 113023
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 8000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1993-10-14 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113023 T004

TEXACO (Continued) **S102438612**

Last Update:	2012-11-02 14:17:38
Permit Number:	113023
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-10-14 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SAN DIEGO CO. SAM:

Case Number:	H13023-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/24/1991
Date Began:	9/4/1990

Case Number:	H13023-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	10/27/1994
Date Began:	10/14/1993

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8 **KAISER FOUNDATION HOSPITAL** **CA HIST CORTESE** **1001614021**
4647 ZION AV **CA LUST** **N/A**
SAN DIEGO, CA 93212 **CA SLIC**
CA San Diego Co. HMMD
CA EMI
CA SAN DIEGO CO. SAM
CA ENVIROSTOR

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3837

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	2687

LUST:

Region:	STATE
Global Id:	T0607302594
Latitude:	32.792289

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Longitude:	-117.095182
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/17/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3837
LOC Case Number:	H00990-003
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302594
Status:	Completed - Case Closed
Status Date:	05/17/2000
Global Id:	T0607302594
Status:	Open - Case Begin Date
Status Date:	01/12/1999

Regulatory Activities:

Global Id:	T0607302594
Action Type:	Other
Date:	01/12/1999
Action:	Leak Began
Global Id:	T0607302594
Action Type:	Other
Date:	01/12/1999
Action:	Leak Discovery
Global Id:	T0607302594
Action Type:	Other
Date:	01/12/1999
Action:	Leak Stopped
Global Id:	T0607302594
Action Type:	ENFORCEMENT
Date:	02/09/1999
Action:	Notice of Responsibility
Global Id:	T0607302594
Action Type:	Other
Date:	01/28/1999
Action:	Leak Reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/13/1990
Global Id:	T0608112219

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H00990-001
Latitude:	32.792966
Longitude:	-117.094474
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/18/1992
Global Id:	T0608150905
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H00990-002
Latitude:	32.792966
Longitude:	-117.094474
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	133905
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	458-343-27-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	05/31/2002
Facility Owner:	SAN DIEGO GAS & ELECTRIC
Facility Address:	PO BOX 1831
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	100990
Business Type:	6HK65

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

EPA Id Number:	CAD981396773
APN:	458-343-27-00
Last HMMD Inspection:	02/15/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	KAISER PERMANENTE
Facility Address:	8010 PARKWAY DR
Facility City:	LA MESA
Facility State:	CA
Facility Zip:	91942
UST Owner:	KAISER FOUNDATION HOSPITAL
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100990 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	SINGLE WALL
Additional Id:	10-1
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-12-01 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	11
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 100990 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	DOUBLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1999-12-01 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	Not reported
UST Monitor Method:	Not reported

UST Name:	UNDERGROUND TANK 100990 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	DOUBLE WALL
Additional Id:	NT2133, RT2814
Capacity Gallons:	20000

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 100990 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	DOUBLE WALL
Additional Id:	NT2133, RT2814, RT4126
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	53A
UST Monitor Method:	DW TANK W/ WET ANNULAR, PRESSURIZED PIPE; AUDIBLE/VISUAL ALARM, MONITOR INSPECTED DAILY; VISUAL MONIT FOR UNBURIED PIPE; NO POSITIV

Active Permits:

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	75-71-8
Name:	DICHLORODIFLOROMETHANE, CCL2F2,
Other Information:	99%: REFRIGERANT COMPRESSED GAS, R12 OR CFC
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	67-56-1
Name:	METHYL ALCOHOL, OR METHANOL, CH3OH, 99% : REAGENT ALCOHOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Facility Id:	100990

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, O2, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CRYOGENIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID 98% CHILLER ROOM.
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SILVER FLAKE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 75-21-8
Name: ETHYLENE OXIDE, 8.5%; CARBON
Other Information: DIOXIDE, 91.5% : COMPRESSED GAS MIXTURE
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 643-79-8
Name: ORTHO-PHTHALADEHYDE
Other Information: CIDEX OPA
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 211 HALOGENATED SOLVENTS

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Other Information: OIL WITH CFC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: LEAD-ACD BTTRS FRM RDOLGY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: CHEMOTHERAPY INF. WST
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 50-00-0
Name: FORMALIN
Other Information: 10 % FORMALDEHYDE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 10024-97-2
Name: NITROUS OXIDE, N2O, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: CHRONIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: GNL INFCTS WST ATCLVD-ONS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 6834-92-0
Name: SODIUM METASILICATE 5%
Other Information: TRIDENT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: BULK CHEMO
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: CHEMOTHERAPY INF. WST TRACE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 100990 T003
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 100990

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Update Date:	11/02/2012
Case Number:	76-63-0
Name:	ISOPROPYL ALCOHOL, 57%; METHYL ALCOHOL, 32%: FLEX 95
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	10024-97-2
Name:	NITROUS OXIDE, N2O, 99%, COM- PRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN-LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	POTASIUM HYDROXIDE, UNITED 499 DRAIN CLN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	ALCOHOL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	FORMALIN WASTE-NEUTRALEX
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM, (MRI REFRIGERATION UNIT)

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, O2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	57-55-6
Name:	PROPYLENE GLYCOL, ATIFREEZE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID 98%
Other Information:	CHILLER ROOM
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	STERICYCLE
Material Waste:	Waste
Hazardous Categories 1:	Not reported

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 903 INF WST,TISSUE/ANAT. REMAINS
Other Information: TISSUE A ANATREMAINS; PAT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: NITROGEN/HELIUM MIX GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 6834-92-0
Name: SODIUM METASILICATE 5%, SIOUX CLN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: ALCOHOL/XYLENE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: OIL & DIESEL SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: CHROMIC ACID & ACETIC ACD
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN-LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CRYOGENIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: TRIDENT 6137
Other Information: COOLING WATER TRMT
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: VIKING BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: NO LONGER TX ON SITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 04/26/2005

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 02/21/2007
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 02/21/2007
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 04/01/2004
Violation Code: 6HV3262
Violation: SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation: Secondary containment piping obstructed preventing drainage to sump. 2632
Activity: ACTIVE

Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 04/26/2005
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 02/21/2007
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 02/21/2007
Violation Code: 6HV4214

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/24/2010
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/18/2011
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	01/27/2006
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/15/2012
Violation Code:	6HV4421
Violation:	PHARM WASTE NOT SEGREGATED
Violation Citation:	Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/15/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

	date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/20/2009
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/15/2012
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/24/2010
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/18/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	04/01/2004
Violation Code:	6HV4402
Violation:	CHEMOWASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding chemotherapy waste with the words -chemotherapy waste- or other approved markings on the lid and sides. 118275(e)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV0145
Violation:	ERM REPORT NOT SUBMITTED TO HMD
Violation Citation:	Excluded recyclable materials report not submitted biennially to HMD &/or available. 25143.10
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	01/27/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Business Type:	6HK65
EPA Id Number:	CAD981396773
APN:	458-343-27-00
Last HMMD Inspection:	02/15/2012

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	KAISER PERMANENTE
Facility Address:	8010 PARKWAY DR
Facility City:	LA MESA
Facility State:	CA
Facility Zip:	91942
UST Owner:	KAISER FOUNDATION HOSPITAL
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100990 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	SINGLE WALL
Additional Id:	10-1
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-12-01 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	11
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 100990 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	DOUBLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1999-12-01 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	Not reported
UST Monitor Method:	Not reported

UST Name:	UNDERGROUND TANK 100990 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	DOUBLE WALL
Additional Id:	NT2133, RT2814
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 100990 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100990
Tank Type:	DOUBLE WALL
Additional Id:	NT2133, RT2814, RT4126
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	53A
UST Monitor Method:	DW TANK W/ WET ANNULAR, PRESSURIZED PIPE; AUDIBLE/VISUAL ALARM, MONITOR INSPECTED DAILY; VISUAL MONIT FOR UNBURIED PIPE; NO POSITIV

Active Permits:

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	75-71-8
Name:	DICHLORODIFLOROMETHANE, CCL2F2,
Other Information:	99%: REFRIGERANT COMPRESSED GAS, R12 OR CFC
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	67-56-1
Name:	METHYL ALCOHOL, OR METHANOL, CH3OH, 99% : REAGENT ALCOHOL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, O2, 99%, COMPRESSED GAS

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CRYOGENIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID 98% CHILLER ROOM.
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SILVER FLAKE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 75-21-8
Name: ETHYLENE OXIDE, 8.5%; CARBON
Other Information: DIOXIDE, 91.5% : COMPRESSED GAS MIXTURE
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 643-79-8
Name: ORTHO-PHTHALADEHYDE
Other Information: CIDEX OPA
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 211 HALOGENATED SOLVENTS
Other Information: OIL WITH CFC
Material Waste: Waste
Hazardous Categories 1: Not reported

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: LEAD-ACD BTTRS FRM RDOLGY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: CHEMOTHERAPY INF. WST
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 50-00-0
Name: FORMALIN
Other Information: 10 % FORMALDEHYDE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 10024-97-2
Name: NITROUS OXIDE, N2O, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: CHRONIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: GNL INFCTS WST ATCLVD-ONS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 100990

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	6834-92-0
Name:	SODIUM METASILICATE 5%
Other Information:	TRIDENT
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	BULK CHEMO
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information:	CHEMOTHERAPY INF. WST TRACE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 100990 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	76-63-0
Name:	ISOPROPYL ALCOHOL, 57%; METHYL ALCOHOL, 32%: FLEX 95

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	10024-97-2
Name:	NITROUS OXIDE, N2O, 99%, COM- PRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN-LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	POTASIUM HYDROXIDE, UNITED 499 DRAIN CLN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	ALCOHOL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	FORMALIN WASTE-NEUTRALEX
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM, (MRI REFRIGERATION UNIT)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, O2, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 57-55-6
Name: PROPYLENE GLYCOL, ATIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID 98%
Other Information: CHILLER ROOM
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: STERICYCLE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 903 INF WST,TISSUE/ANAT. REMAINS
Other Information:	TISSUE A ANATREMAINS; PAT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	NITROGEN/HELIUM MIX GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	6834-92-0
Name:	SODIUM METASILICATE 5%, SIOUX CLN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	ALCOHOL/XYLENE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	OIL & DIESEL SOLVENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information:	CHROMIC ACID & ACETIC ACD
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100990
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN-LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CRYOGENIC

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: TRIDENT 6137
Other Information: COOLING WATER TRMT
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: VIKING BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100990
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: NO LONGER TX ON SITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 100990
Update Date: 11/02/2012
Inspection Date: 04/26/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

	date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	04/01/2004
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/24/2010
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/18/2011
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	01/27/2006
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/15/2012
Violation Code:	6HV4421
Violation:	PHARM WASTE NOT SEGREGATED
Violation Citation:	Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/15/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/20/2009
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE

Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE

Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE

Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/15/2012
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	100990
Update Date:	11/02/2012

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Inspection Date:	02/24/2010
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/18/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	04/01/2004
Violation Code:	6HV4402
Violation:	CHEMOWASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding chemotherapy waste with the words -chemotherapy waste- or other approved markings on the lid and sides. 118275(e)
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	02/26/2008
Violation Code:	6HV0145
Violation:	ERM REPORT NOT SUBMITTED TO HMD
Violation Citation:	Excluded recyclable materials report not submitted biennially to HMD &/or available. 25143.10
Activity:	ACTIVE
Facility Id:	100990
Update Date:	11/02/2012
Inspection Date:	01/27/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

EMI:

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.423574
Reactive Organic Gases Tons/Yr:	.240854
Carbon Monoxide Emissions Tons/Yr:	3.52
NOX - Oxides of Nitrogen Tons/Yr:	3.6
SOX - Oxides of Sulphur Tons/Yr:	.05348
Particulate Matter Tons/Yr:	.2963750000000000000
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.29492

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.36119537468627
Reactive Organic Gases Tons/Yr:	.1856
Carbon Monoxide Emissions Tons/Yr:	1.1197
NOX - Oxides of Nitrogen Tons/Yr:	1.2589
SOX - Oxides of Sulphur Tons/Yr:	.0264
Particulate Matter Tons/Yr:	.2581
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.2548

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.343397
Reactive Organic Gases Tons/Yr:	.171867
Carbon Monoxide Emissions Tons/Yr:	1.06
NOX - Oxides of Nitrogen Tons/Yr:	1.22
SOX - Oxides of Sulphur Tons/Yr:	.02624
Particulate Matter Tons/Yr:	.24797
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.24475

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.343397
Reactive Organic Gases Tons/Yr:	.171867
Carbon Monoxide Emissions Tons/Yr:	1.06
NOX - Oxides of Nitrogen Tons/Yr:	1.22
SOX - Oxides of Sulphur Tons/Yr:	.02624

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Particulate Matter Tons/Yr:	.24797
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.24475
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.34999999999999998
Reactive Organic Gases Tons/Yr:	0.17000000000000001
Carbon Monoxide Emissions Tons/Yr:	1.1299999999999999
NOX - Oxides of Nitrogen Tons/Yr:	1.26
SOX - Oxides of Sulphur Tons/Yr:	0.02
Particulate Matter Tons/Yr:	0.23999999999999999
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.23999999999999999
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.15415000000000001
Reactive Organic Gases Tons/Yr:	8.1339999999999996E-2
Carbon Monoxide Emissions Tons/Yr:	1.24
NOX - Oxides of Nitrogen Tons/Yr:	1.24
SOX - Oxides of Sulphur Tons/Yr:	2.1520000000000001E-2
Particulate Matter Tons/Yr:	0.1129
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.10704
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.07
Carbon Monoxide Emissions Tons/Yr:	1.3
NOX - Oxides of Nitrogen Tons/Yr:	1.24
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.16
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.1
Year:	2012
County Code:	37
Air Basin:	SD

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Facility ID:	2687
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.14
Reactive Organic Gases Tons/Yr:	0.07
Carbon Monoxide Emissions Tons/Yr:	1.3
NOX - Oxides of Nitrogen Tons/Yr:	1.24
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.16
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.1

SAN DIEGO CO. SAM:

Case Number:	H00990-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/17/2000
Date Began:	1/12/1999

Case Number:	H00990-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	6/18/1992
Date Began:	6/26/1991

ENVIROSTOR:

Facility ID:	71002809
Status:	Inactive - Needs Evaluation
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.79228
Longitude:	-117.0951
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED

KAISER FOUNDATION HOSPITAL (Continued) **1001614021**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981396773
Alias Type: EPA Identification Number
Alias Name: 71002809
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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9 **EDR US Hist Cleaners** **1015028862**

2537 MELBOURNE DR **N/A**
SAN DIEGO, CA 92123

EDR Historical Cleaners:
Name: G & S CARPET CLEANING
Year: 2007
Address: 2537 MELBOURNE DR

Name: G & S CARPET CLEANING
Year: 2008
Address: 2537 MELBOURNE DR

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10 **KAISER PERMANENTE HOSPITAL** **CA LUST** **S102432104**
4405 VANDEVER AVE **N/A**
SAN DIEGO, CA 92120

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT804
Local Case: H01422-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only

KAISER PERMANENTE HOSPITAL (Continued) **S102432104**

Date Found: 09/18/1987
Date Stopped: 09/18/1987
Confirm Date: 09/18/1987
Submit Workplan: Not reported
Prelim Assess: 10/05/1987
Desc Pollution: Not reported
Remed Plan: 10/08/1987
Remed Action: 10/19/87
Began Monitor: Not reported
Release Date: 09/22/1987
Enforce Date: 9/18/87
Closed Date: 12/12/88
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 17
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 3B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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10 **KAISER MEDICAL OFFICES** **CA UST** **U003789062**
4405 VANDEVER AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120

UST:
Facility ID: H01422
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.788615
Longitude: -117.098328

SWEEPS UST:
Status: Active
Comp Number: 1422
Number: 9
Board Of Equalization: 44-021609
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001422-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 1

Status: Not reported
Comp Number: 1422
Number: Not reported
Board Of Equalization: 44-021609
Referral Date: Not reported

KAISER MEDICAL OFFICES (Continued) **U003789062**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001422-000001
Tank Status:	Not reported
Capacity:	250
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	3

Status:	Not reported
Comp Number:	1422
Number:	Not reported
Board Of Equalization:	44-021609
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001422-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	WASTE
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	1422
Number:	Not reported
Board Of Equalization:	44-021609
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001422-000003
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

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10 **SEVEN UP BOTT CO** **CA HIST UST** **U001573148**
4405 VANDEVER AVE **N/A**
SAN DIEGO, CA 92120

HIST UST:

Region:	STATE
Facility ID:	00000029872
Facility Type:	Other
Other Type:	BEVERAGE
Contact Name:	Not reported
Telephone:	6194573177
Owner Name:	SEVEN UP BOTT. CO WESTINGHOUSE

SEVEN UP BOTT CO (Continued) **U001573148**

Owner Address: 4405 VANDEVER AVE
Owner City,St,Zip: SAN DIEGO, CA 92120
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: WASTE
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

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10 **KAISER MEDICAL OFFICES** **CA HIST CORTESE** **S104745287**
4405 VANDEVER AV **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT804

LUST:
Region: STATE
Global Id: T0607303056
Latitude: 32.7876892
Longitude: -117.0995282
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/02/2000
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT804
LOC Case Number: H01422-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607303056
Status: Completed - Case Closed
Status Date: 05/02/2000

KAISER MEDICAL OFFICES (Continued) **S104745287**

Global Id: T0607303056
Status: Open - Case Begin Date
Status Date: 09/18/1987

Regulatory Activities:
Global Id: T0607303056
Action Type: Other
Date: 09/18/1987
Action: Leak Began

Global Id: T0607303056
Action Type: Other
Date: 09/18/1987
Action: Leak Discovery

Global Id: T0607303056
Action Type: Other
Date: 09/18/1987
Action: Leak Stopped

Global Id: T0607303056
Action Type: Other
Date: 09/18/1987
Action: Leak Reported

Global Id: T0607303056
Action Type: ENFORCEMENT
Date: 09/18/1987
Action: Notice of Responsibility

SAN DIEGO CO. HMMD:
Facility Id: 101422
Business Type: 6HK58
EPA Id Number: CAL000097905
APN: 461-220-26-00
Last HMMD Inspection: 04/17/2012
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: KAISER PERMANENTE
Facility Address: 8010 PARKWAY DR
Facility City: LA MESA
Facility State: CA
Facility Zip: 91942
UST Owner: KAISER MEDICAL OFFICES
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 101422 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 101422
Tank Type: SINGLE WALL

KAISER MEDICAL OFFICES (Continued) **S104745287**

Additional Id:	AT0955
Capacity Gallons:	250
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 101422 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	101422
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 101422 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	101422
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 101422 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	101422
Tank Type:	DOUBLE WALL
Additional Id:	4/AT4927
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2003-11-25 00:00:00

KAISER MEDICAL OFFICES (Continued) **S104745287**

Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXPIRED MEDS/ USED & OFF SPEC INHALERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL/ TO ZION CENTRAL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	SILVER SLUDGE & FLAKE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS

KAISER MEDICAL OFFICES (Continued) **S104745287**

Other Information: WASTE DICHLOROACETIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101422
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: WASTE OPA/CIDEX SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101422
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: TRACE CHEMO
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101422
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: USED NEEDLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/08/2004
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 03/28/2006
Violation Code: 6HV4421
Violation: PHARM WASTE NOT SEGREGATED
Violation Citation: Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/08/2004
Violation Code: 6HV4212
Violation: RED BAGS NOT CONTAINERIZED
Violation Citation: Did not containerize and place red bags in rigid, leak resistant, and

KAISER MEDICAL OFFICES (Continued) **S104745287**

covered containers or bins. 118280(b)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/22/2003
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 07/27/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 07/27/2007
Violation Code: 6HV4402
Violation: CHEMOWASTE NOT PROPERLY LABELED
Violation Citation: Generator did not properly label container holding chemotherapy waste with the words -chemotherapy waste- or other approved markings on the lid and sides. 118275(e)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 04/17/2012
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/22/2003
Violation Code: 6HV3102
Violation: OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation: Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/26/2005
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)

KAISER MEDICAL OFFICES (Continued) **S104745287**

Activity:	ACTIVE
Facility Id:	101422
Update Date:	11/02/2012
Inspection Date:	04/17/2012
Violation Code:	6HV4402
Violation:	CHEMOWASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding chemotherapy waste with the words -chemotherapy waste- or other approved markings on the lid and sides. 118275(e)
Activity:	ACTIVE
Facility Id:	101422
Business Type:	6HK58
EPA Id Number:	CAL000097905
APN:	461-220-26-00
Last HMMD Inspection:	04/17/2012
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	KAISER PERMANENTE
Facility Address:	8010 PARKWAY DR
Facility City:	LA MESA
Facility State:	CA
Facility Zip:	91942
UST Owner:	KAISER MEDICAL OFFICES
Handle Regulated Hazmat:	Y
Own Or Operate UST:	N
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	N
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 101422 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	101422
Tank Type:	SINGLE WALL
Additional Id:	AT0955
Capacity Gallons:	250
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 101422 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	101422
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	LEADED

KAISER MEDICAL OFFICES (Continued) **S104745287**

Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 101422 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	101422
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 101422 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	101422
Tank Type:	DOUBLE WALL
Additional Id:	4/AT4927
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2003-11-25 00:00:00
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported

KAISER MEDICAL OFFICES (Continued) **S104745287**

Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXPIRED MEDS/ USED & OFF SPEC INHALERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL/ TO ZION CENTRAL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	SILVER SLUDGE & FLAKE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	WASTE DICHLOROACETIC ACID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	WASTE OPA/CIDEX SOLUTION
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	101422
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information:	TRACE CHEMO
Material Waste:	Waste

KAISER MEDICAL OFFICES (Continued) **S104745287**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101422
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: USED NEEDLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/08/2004
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 03/28/2006
Violation Code: 6HV4421
Violation: PHARM WASTE NOT SEGREGATED
Violation Citation: Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/08/2004
Violation Code: 6HV4212
Violation: RED BAGS NOT CONTAINERIZED
Violation Citation: Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 01/22/2003
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 101422
Update Date: 11/02/2012
Inspection Date: 07/27/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

KAISER MEDICAL OFFICES (Continued) **S104745287**

Facility Id:	101422
Update Date:	11/02/2012
Inspection Date:	07/27/2007
Violation Code:	6HV4402
Violation:	CHEMOWASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding chemotherapy waste with the words -chemotherapy waste- or other approved markings on the lid and sides. 118275(e)
Activity:	ACTIVE

Facility Id:	101422
Update Date:	11/02/2012
Inspection Date:	04/17/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	101422
Update Date:	11/02/2012
Inspection Date:	01/22/2003
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE

Facility Id:	101422
Update Date:	11/02/2012
Inspection Date:	01/26/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Facility Id:	101422
Update Date:	11/02/2012
Inspection Date:	04/17/2012
Violation Code:	6HV4402
Violation:	CHEMOWASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding chemotherapy waste with the words -chemotherapy waste- or other approved markings on the lid and sides. 118275(e)
Activity:	ACTIVE

SAN DIEGO CO. SAM:

Case Number:	H01422-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/2/2000
Date Began:	9/18/1987

10 **KAISER** **CA San Diego Co. HMMD** **S103442556**
4307 VANDEVER AV **CA WMUDS/SWAT** **N/A**
SAN DIEGO, CA 92120

SAN DIEGO CO. HMMD:

Facility Id:	119292
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	461-220-36-00
Last HMMD Inspection:	02/16/1989
Permit Status:	INAC
Permit Expiration:	02/16/1989
Facility Owner:	KAISER
Facility Address:	P O BOX 191
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-4106
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	7
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported

KAISER (Continued) **S103442556**

Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	AA
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	7 330009NUR
Solid Waste Information ID:	Not reported

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10 **EDR US Hist Auto Stat** **1015496117**
4388 VANDEVER AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	AUTO CHLOR OF SAN DIEGO INC
Year:	2005
Address:	4388 VANDEVER AVE

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10 **AZTEC OIL** **RCRA NonGen / NLR** **1000200670**
6200 FAIRMOUNT AVE **FINDS** **CAT080029846**
SAN DIEGO, CA 92120

RCRA NonGen / NLR:

Date form received by agency:	02/23/1981
Facility name:	AZTEC OIL
Facility address:	6200 FAIRMOUNT AVE SAN DIEGO, CA 92120
EPA ID:	CAT080029846
Mailing address:	PO BOX 20783 SAN DIEGO, CA 92120
Contact:	ENVIRONMENTAL MANAGER
Contact address:	6200 FAIRMOUNT AVE SAN DIEGO, CA 92120
Contact country:	US
Contact telephone:	(714) 298-1610
Contact email:	Not reported
EPA Region:	09
Land type:	Other land type
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LOUIE RATAJESAK
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported

AZTEC OIL (Continued) **1000200670**

Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:
Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/12/1985
Date achieved compliance: 10/21/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/12/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/21/1985
Evaluation lead agency: State

FINDS:

AZTEC OIL (Continued) **1000200670**

Registry ID: 110002955534

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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10 **EDR US Hist Auto Stat** **1015579934**

6205 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name: JOHNS AUTOMOTIVE CARE
Year: 2002
Address: 6205 FAIRMOUNT AVE

Name: JOHNS AUTOMOTIVE CARE
Year: 2003
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SERVICE I
Year: 2005
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SERVICE I
Year: 2006
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SERVICE I
Year: 2007
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SERVICE I
Year: 2008
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SERVICE I
Year: 2009
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SVC
Year: 2010
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SERVICE I
Year: 2011
Address: 6205 FAIRMOUNT AVE

Name: MISSION VALLEY FOREIGN CAR SERVICE I
Year: 2012
Address: 6205 FAIRMOUNT AVE

10 **EDR US Hist Auto Stat** **1015580587**
6218 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: HUMBERTOS MOBILE BRAKE MECHANIC
Year: 2008
Address: 6218 FAIRMOUNT AVE

Name: HUMBERTOS MOBILE BRAKE MECHANIC
Year: 2009
Address: 6218 FAIRMOUNT AVE

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10 **EDR US Hist Auto Stat** **1015580516**
6215 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: B & P CLASSIC AUTOMOTIVE
Year: 1999
Address: 6215 FAIRMOUNT AVE

Name: B & P CLASSIC AUTOMOTIVE
Year: 2000
Address: 6215 FAIRMOUNT AVE

Name: B & P CLASSIC AUTOMOTIVE
Year: 2001
Address: 6215 FAIRMOUNT AVE

Name: B & P CLASSIC AUTOMOTIVE
Year: 2002
Address: 6215 FAIRMOUNT AVE

Name: B & P CLASSIC AUTOMOTIVE
Year: 2003
Address: 6215 FAIRMOUNT AVE

Name: B & P CLASSIC AUTOMOTIVE
Year: 2004
Address: 6215 FAIRMOUNT AVE

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10 **EDR US Hist Auto Stat** **1015494221**
4337 SHERIDAN LN **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: JCL AUTO ELECTRIC
Year: 2002
Address: 4337 SHERIDAN LN

10 **LITTLEFIELD LEO W** **EDR US Hist Auto Stat** **1008998269**
4334 SHERIDAN RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: LITTLEFIELD LEO W
Year: 1975
Type: AUTOMOBILE REPAIRING

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10 **ALLIED GARDENS TOWING INC** **CA SWEEPS UST** **S104747238**
4334 SHERIDAN LN **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120

SWEEPS UST:
Status: Active
Comp Number: 12242
Number: 9
Board Of Equalization: 44-022535
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012242-000001
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: Active
Comp Number: 12242
Number: 9
Board Of Equalization: 44-022535
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012242-000002
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12242
Number: 9
Board Of Equalization: 44-022535
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012242-000003
Tank Status: A
Capacity: 550
Active Date: Not reported

ALLIED GARDENS TOWING INC (Continued) **S104747238**

Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 12242
Number: 9
Board Of Equalization: 44-022535
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012242-000004
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 12242
Number: 9
Board Of Equalization: 44-022535
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012242-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 112242
Business Type: 6HK26
EPA Id Number: CAL000006008
APN: 458-510-03-00
Last HMMD Inspection: 02/14/2000
Permit Status: INAC
Permit Expiration: 02/14/2000
Facility Owner: CAROLYN A BLAKELEY
Facility Address: 9190 CLAIREMONT MESA BL
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92123-1210
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y

ALLIED GARDENS TOWING INC (Continued) **S104747238**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 112242 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112242
Tank Type: SINGLE WALL
Additional Id: 0000001
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1992-08-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112242 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112242
Tank Type: SINGLE WALL
Additional Id: 0000002
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1992-08-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112242 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 112242
Tank Type: SINGLE WALL
Additional Id: 0000003
Capacity Gallons: 550
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1992-08-12 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112242 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 112242

ALLIED GARDENS TOWING INC (Continued) **S104747238**

Tank Type:	SINGLE WALL
Additional Id:	0000004
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-08-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112242 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112242
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-08-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

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10 **APOLLO OIL CO** **CA LUST S104160577**
6220 FAIRMOUNT AVE **CA SWEEPS UST N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2767
Local Case:	H21260-001
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	ETED
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	06/02/1994
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	06/20/1994
Desc Pollution:	Not reported
Remed Plan:	/ /

APOLLO OIL CO (Continued) **S104160577**

Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/02/1994
Enforce Date: Not reported
Closed Date: 7/23/99
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 18
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT2927
Local Case: H21260-002
Substance: Waste Oil
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 07/22/1992
Date Stopped: 08/16/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 06/20/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/02/1994
Enforce Date: 10/20/94
Closed Date: 7/23/99
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 18
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

APOLLO OIL CO (Continued) **S104160577**

SWEEPS UST:

Status:	Active
Comp Number:	21260
Number:	9
Board Of Equalization:	44-023504
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021260-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	3

Status:	Active
Comp Number:	21260
Number:	9
Board Of Equalization:	44-023504
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021260-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	21260
Number:	9
Board Of Equalization:	44-023504
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021260-000003
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

10 **COSBY OIL CORP** **CA SAN DIEGO CO. SAM** **S108407011**
6220 FAIRMOUNT AV **N/A**
SAN DIEGO, CA 92120

SAN DIEGO CO. SAM:

Case Number:	H21260-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/20/1999
Date Began:	7/22/1992

Case Number:	H21260-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	7/20/1999
Date Began:	7/22/1992

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10 **COSBY OIL CORP** **CA LUST** **U003789723**
6220 FAIRMOUNT AVE **CA UST** **N/A**
SAN DIEGO, CA 92120

LUST:

Region:	STATE
Global Id:	T0607301524
Latitude:	32.7882756
Longitude:	-117.1014874
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/20/1999
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2767
LOC Case Number:	H21260-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301524
Status:	Completed - Case Closed
Status Date:	07/20/1999

Global Id:	T0607301524
Status:	Open - Case Begin Date
Status Date:	06/20/1994

Regulatory Activities:

Global Id:	T0607301524
Action Type:	ENFORCEMENT
Date:	06/22/1994
Action:	Notice of Responsibility

COSBY OIL CORP (Continued) **U003789723**

Region:	STATE
Global Id:	T0607301693
Latitude:	32.7882756
Longitude:	-117.1014874
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/20/1999
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2927
LOC Case Number:	H21260-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301693
Status:	Completed - Case Closed
Status Date:	07/20/1999
Global Id:	T0607301693
Status:	Open - Case Begin Date
Status Date:	07/22/1992

Regulatory Activities:

Global Id:	T0607301693
Action Type:	Other
Date:	07/22/1992
Action:	Leak Began
Global Id:	T0607301693
Action Type:	Other
Date:	07/22/1992
Action:	Leak Discovery
Global Id:	T0607301693
Action Type:	Other
Date:	07/18/1994
Action:	Leak Stopped
Global Id:	T0607301693
Action Type:	ENFORCEMENT
Date:	10/20/1994
Action:	Notice of Responsibility
Global Id:	T0607301693
Action Type:	Other
Date:	06/02/1994
Action:	Leak Reported

UST:

Facility ID:	H21260

COSBY OIL CORP (Continued) **U003789723**

Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.7895121
Longitude: -117.10024

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10 **APOLLO KEY LOCK #1** **CA HIST UST** **U001573115**
6220 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

HIST UST:
Region: STATE
Facility ID: 00000059732
Facility Type: Gas Station
Other Type: Not reported
Contact Name: BIENVENDIO TAN
Telephone: 6192806884
Owner Name: AMERICAN SAND & GRAVEL
Owner Address: 12034 LAS AMIGO
Owner City,St,Zip: LAKESIDE, CA 92040
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

10 **CABRILLO CRANE & RIGGING CORP** **CA SWEEPS UST** **S100726658**
6232 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

SWEEPS UST:

Status:	Active
Comp Number:	4502
Number:	9
Board Of Equalization:	44-022053
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004502-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Active
Comp Number:	4502
Number:	9
Board Of Equalization:	44-022053
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004502-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

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10 **MAXIM CRANE WORKS** **CA NPDES** **S105164212**
6232 FAIRMOUNT AVENUE **CA AST** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**

NPDES:

Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	440087
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I024402
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/07/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/31/2014
Discharge Name:	Maxim Crane Works
Discharge Address:	6232 Fairmount Avenue

MAXIM CRANE WORKS (Continued) **S105164212**

Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92120
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported

MAXIM CRANE WORKS (Continued) **S105164212**

SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	440087
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I024402
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	12/31/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	08/07/2013
PROCESSED DATE:	08/07/2013
STATUS CODE NAME:	Terminated
STATUS DATE:	02/04/2015
PLACE SIZE:	492829
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Paul Dunham
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-563-7910
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Maxim Crane Works
OPERATOR ADDRESS:	6232 Fairmount Avenue
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92120
OPERATOR CONTACT NAME:	Paul Dunham
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-563-7910
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported

MAXIM CRANE WORKS (Continued) **S105164212**

CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Y
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	7353-Heavy Construction Equipment Rental and Leasing
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

AST:

Certified Unified Program Agencies:	San Diego
Owner:	MAXIM CRANE WORKS
Total Gallons:	2725

SAN DIEGO CO. HMMD:

Facility Id:	211116
Business Type:	6HK70
EPA Id Number:	CAL000306109
APN:	458-300-16-00
Last HMMD Inspection:	08/13/2009
Permit Status:	INAC
Permit Expiration:	11/30/2009
Facility Owner:	JAMES GANG TRANSPORT INC
Facility Address:	9494 MAYA LINDA RD #37
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92126
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	211116
Update Date:	11/02/2012
Inspection Date:	08/13/2009
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

MAXIM CRANE WORKS (Continued) **S105164212**

Facility Id:	211116
Update Date:	11/02/2012
Inspection Date:	08/13/2009
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	Inactive Permit

Facility Id:	104502
Business Type:	6HK70
EPA Id Number:	CAL000220216
APN:	458-300-04-00
Last HMMD Inspection:	12/08/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	MAXIM CRANE WORKS
Facility Address:	6232 FAIRMOUNT AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-3302
UST Owner:	CLELL BREWER
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104502 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104502
Tank Type:	SINGLE WALL
Additional Id:	1G
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-11-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 104502 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104502
Tank Type:	SINGLE WALL
Additional Id:	002D
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1995-11-29 00:00:00

MAXIM CRANE WORKS (Continued) **S105164212**

Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Active Permits:

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING : MOTOR OIL, HYDRAULIC TRANSMISSION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, COMPRESSED GAS GASSES :
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS

MAXIM CRANE WORKS (Continued) **S105164212**

Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY DIRT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 104502
Update Date: 11/02/2012
Inspection Date: 12/08/2011
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the

MAXIM CRANE WORKS (Continued) **S105164212**

generation of hazardous waste. 68.905
Activity: ACTIVE

Facility Id: 104502
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Facility Id: 104502
Update Date: 11/02/2012
Inspection Date: 10/29/2007
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Facility Id: 104502
Update Date: 11/02/2012
Inspection Date: 10/29/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 104502
Update Date: 11/02/2012
Inspection Date: 10/29/2007
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 104502
Update Date: 11/02/2012
Inspection Date: 12/08/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 104502
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

MAXIM CRANE WORKS (Continued) **S105164212**

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1003
Violation:	HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation:	Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity:	ACTIVE

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	01/10/2003
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

Facility Id:	104502
Business Type:	6HK70
EPA Id Number:	CAL000220216
APN:	458-300-04-00
Last HMMD Inspection:	12/08/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	MAXIM CRANE WORKS
Facility Address:	6232 FAIRMOUNT AV
Facility City:	SAN DIEGO

MAXIM CRANE WORKS (Continued) **S105164212**

Facility State:	CA
Facility Zip:	92120-3302
UST Owner:	CLELL BREWER
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104502 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104502
Tank Type:	SINGLE WALL
Additional Id:	1G
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-11-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 104502 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104502
Tank Type:	SINGLE WALL
Additional Id:	002D
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1995-11-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Active Permits:

Facility Id:	104502
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	104502
Update Date:	11/02/2012

MAXIM CRANE WORKS (Continued) **S105164212**

Case Number: 68476-34-6
Name: DIESEL FUEL OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING : MOTOR OIL, HYDRAULIC TRANSMISSION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, COMPRESSED GAS GASSES :
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104502
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE

MAXIM CRANE WORKS (Continued) **S105164212**

Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	104502
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY DIRT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	104502
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	VORTEX
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	104502
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	10/29/2007
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)

MAXIM CRANE WORKS (Continued) **S105164212**

Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	10/29/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	10/29/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV1003
Violation:	HMBP NOT AMENDED W/IN 30 DAYS
Violation Citation:	Business plan was not amended within 30 days for a 100% quantity increase, new disclosable materials or a change in business info. HSC 25505
Activity:	ACTIVE

MAXIM CRANE WORKS (Continued) **S105164212**

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	01/10/2003
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE

Facility Id:	104502
Update Date:	11/02/2012
Inspection Date:	12/08/2011
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

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10 **PACIFIC PEBBLES INC.** **CA HIST UST** **U001573142**
6267 RIVERDALE ST **N/A**
SAN DIEGO, CA 92120

HIST UST:

Region:	STATE
Facility ID:	00000049722
Facility Type:	Other
Other Type:	RE-SURFACING
Contact Name:	DON CRAMER
Telephone:	6192837255
Owner Name:	O.A. ROUNTREE, M.A. SAATHOFF
Owner Address:	6322 MISSION GORGE RD.
Owner City,St,Zip:	SAN DIEGO, CA 92120
Total Tanks:	0001

Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

10 **EDR US Hist Auto Stat** **1015582458**
6267 RIVERDALE ST **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	SEENES AUTOMOTIVE SERVICE INCORPORATED
Year:	1999
Address:	6267 RIVERDALE ST
Name:	SEENES AUTOMOTIVE SERVICE INCORPORATED
Year:	2000
Address:	6267 RIVERDALE ST
Name:	SEENES AUTOMOTIVE SERVICE INC
Year:	2001
Address:	6267 RIVERDALE ST
Name:	SEENES AUTOMOTIVE SERVICE INC
Year:	2002
Address:	6267 RIVERDALE ST
Name:	JOHNS AUTOMOTIVE CARE
Year:	2007
Address:	6267 RIVERDALE ST
Name:	JOHNS AUTOMOTIVE CARE
Year:	2008
Address:	6267 RIVERDALE ST
Name:	JOHNS AUTOMOTIVE CARE
Year:	2009
Address:	6267 RIVERDALE ST
Name:	JOHNS AUTOMOTIVE CARE
Year:	2010
Address:	6267 RIVERDALE ST
Name:	JOHNS AUTOMOTIVE CARE
Year:	2011
Address:	6267 RIVERDALE ST
Name:	JOHNS AUTOMOTIVE CARE
Year:	2012
Address:	6267 RIVERDALE ST

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10 **PACIFIC PEBBLES INCORPORATED** **CA HIST CORTESE** **S104160583**
6267 RIVERDALE ST **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA SLIC**
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT499

LUST REG 9:

PACIFIC PEBBLES INCORPORATED (Continued) **S104160583**

Region: 9
Status: Case Closed
Case Number: 9UT499
Local Case: H05263-001
Substance: 0
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 11/20/1985
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/20/1985
Enforce Date: Not reported
Closed Date: 3/19/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >10'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/19/1986
Global Id: T0607302798
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H05263-001
Latitude: 32.7884282
Longitude: -117.0995957
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT499
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

PACIFIC PEBBLES INCORPORATED (Continued) **S104160583**

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Active
Comp Number:	5263
Number:	9
Board Of Equalization:	44-022192
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	5263
Number:	Not reported
Board Of Equalization:	44-022192
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005263-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	105263
Business Type:	6HK26
EPA Id Number:	CAL000031272
APN:	458-522-17-00
Last HMMD Inspection:	10/22/2002
Permit Status:	CHNG
Permit Expiration:	02/29/2004
Facility Owner:	DONALD SEENE
Facility Address:	6267 RIVERDALE ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-3307
UST Owner:	O A ROUNDTREE M A SAATHCFF
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

PACIFIC PEBBLES INCORPORATED (Continued) **S104160583**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 105263 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 105263
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 1000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:
Case Number: H05263-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/19/1986
Date Began: 11/20/1985

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10 **ACTION COURIER** **CA LUST** **S104745883**
4453 GLACIER AV **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

LUST:
Region: STATE
Global Id: T0607302998
Latitude: 32.7886799
Longitude: -117.0988067
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/27/2002
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT736
LOC Case Number: H04195-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302998
Status: Completed - Case Closed

ACTION COURIER (Continued) **S104745883**

Status Date: 09/27/2002

Global Id: T0607302998
Status: Open - Case Begin Date
Status Date: 05/26/1987

Regulatory Activities:
Global Id: T0607302998
Action Type: Other
Date: 05/26/1987
Action: Leak Began

Global Id: T0607302998
Action Type: Other
Date: 05/26/1987
Action: Leak Discovery

Global Id: T0607302998
Action Type: Other
Date: 05/26/1987
Action: Leak Stopped

Global Id: T0607302998
Action Type: ENFORCEMENT
Date: 05/27/1987
Action: Notice of Responsibility

Global Id: T0607302998
Action Type: Other
Date: 05/26/1987
Action: Leak Reported

SAN DIEGO CO. HMMD:
Facility Id: 104195
Business Type: 6HK23
EPA Id Number: CAL000221735
APN: 458-521-27-00
Last HMMD Inspection: 03/11/2002
Permit Status: INAC
Permit Expiration: 06/30/2003
Facility Owner: ACTION COURIER
Facility Address: P O BOX 82805
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92138-2805
UST Owner: ACTION COURIER INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 104195 T001
Last Update: 2012-11-02 14:17:38

ACTION COURIER (Continued) **S104745883**

Permit Number:	104195
Tank Type:	DOUBLE WALL
Additional Id:	2/AT4899
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-06-03 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 104195 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104195
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

SAN DIEGO CO. SAM:

Case Number:	H04195-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	9/27/2002
Date Began:	5/26/1987

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10 **ACTION COURIER** **CA LUST** **S105035761**
4445 GLACIER AVE **N/A**
SAN DIEGO, CA 92120

10 **ACTION COURIER** **CA HIST CORTESE** **U001573113**
4445 GLACIER **CA HIST UST** **N/A**
SAN DIEGO, CA 92120

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT736

HIST UST:

Region:	STATE
Facility ID:	00000054704
Facility Type:	Other
Other Type:	MESSENGER SERVICE
Contact Name:	LAWRENCE PERNA
Telephone:	6192832164
Owner Name:	ACTION COURIER
Owner Address:	4445 GLACIER AVE
Owner City,St,Zip:	SAN DIEGO, CA 92120
Total Tanks:	0001
Tank Num:	001
Container Num:	#1
Year Installed:	1978
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	5/16"
Leak Detection:	Stock Inventor

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10 **PADRE PETRO PRODUCTS** **CA SLIC** **S105035227**
4435 GLACIER AV **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/08/1997
Global Id:	T0608195814
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H19618-001
Latitude:	32.788505
Longitude:	-117.098753
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	119618
Business Type:	6HK78
EPA Id Number:	Not reported

PADRE PETRO PRODUCTS (Continued) **S105035227**

APN:	DEH-119618
Last HMMD Inspection:	10/08/1992
Permit Status:	INAC
Permit Expiration:	01/31/1993
Facility Owner:	ANDREW SWAIN
Facility Address:	P O BOX 600512
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92160-
UST Owner:	ANDREW SWAIN
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 119618 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	119618
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-01-12 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 119618 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	119618
Tank Type:	SINGLE WALL
Additional Id:	02
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-10-02 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SAN DIEGO CO. SAM:

Case Number:	H19618-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**

PADRE PETRO PRODUCTS (Continued) **S105035227**

Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/8/1997
Date Began: Not reported

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10 **PADRE PETROLEUM PRODUCTS** **CA LUST** **S101302003**
4421 GLACIER AVE **N/A**
SAN DIEGO, CA 92120

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2331
Local Case: H15206-001
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 12/01/1992
Date Stopped: 12/01/1992
Confirm Date: 12/01/1992
Submit Workplan: Not reported
Prelim Assess: 12/01/1992
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/01/1992
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 16’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

10 **SWAIN OIL** **CA HIST CORTESE** **S104748427**
4421 GLACIER AV **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2331

LUST:
Region: STATE
Global Id: T0607301102
Latitude: 32.7883320678183
Longitude: -117.098939716816
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/03/2011
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: CH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT2331
LOC Case Number: H15206-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Benzene, Diesel, MTBE / TBA / Other Fuel Oxygenates
Site History: On December 1, 1992, an underground storage tank (UST) and approximately 18 cubic yards of soil were removed from the site. The results of Department of Environmental Health (DEH) directed soil sampling in the UST excavation indicated total petroleum hydrocarbon (TPH) impacts in the diesel range, and unauthorized release H15206-001 was opened. Further site assessment included installation of five soil borings on site and four groundwater monitoring wells both on and off site. Results of soil sampling from the borings and monitoring wells showed petroleum impacts extended approximately fifteen feet from the former UST excavation. The consultant attributed the localization of the contamination to the tight lithology observed on site. Results of groundwater sampling showed low concentrations of dissolved-phase contaminants in all monitoring wells; however, a thin layer of liquid-phase hydrocarbons (LPH) was observed in monitoring well 1 approximately one year after installation. A dual-phase extraction (DPE) pilot test was conducted to determine if this technique would be successful at removing LPH from monitoring well 1. The results of the pilot study showed that DPE removed very little contaminant mass, and the consultant concluded that DPE would not be an efficient or cost effective method of remediation. Therefore, periodic pump and treat with the use of a hydrophilic sock to mobilize and remove LPH followed by natural attenuation was proposed for site remediation and approved in the Corrective Action Plan (CAP) on April 17, 2009. Manual LPH removal was conducted in monitoring well 1 from May 29, 2009 through March 31, 2010, and was augmented through use of absorption socks from September 28, 2009 through February 1, 2010. Since the cessation of LPH removal activities, a maximum LPH thickness of 0.01 feet has been observed in monitoring well 1, and LPH has not been observed in this well since September 7, 2010. The consultant recommended case closure as LPH levels have been significantly reduced and the plume of dissolved phase contaminants is small, stable, and does not represent

SWAIN OIL (Continued) **S104748427**

a substantial threat to public health and safety or the environment. Although levels of benzene and methyl-tert-butyl ether (MTBE) currently exceed water quality objectives, the consultant has estimated that levels of these contaminants will meet maximum contaminant levels (MCLs) in approximately 2 years (benzene) and 13.5 years (MTBE) through natural attenuation. DEH concurs with the consultants conclusions and recommendation to close the case.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301102
Contact Type:	Local Agency Caseworker
Contact Name:	COLLEEN HINES
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	colleen.hines@sdcounty.ca.gov
Phone Number:	8585056874

Status History:

Global Id:	T0607301102
Status:	Completed - Case Closed
Status Date:	02/03/2011
Global Id:	T0607301102
Status:	Open - Case Begin Date
Status Date:	12/01/1992
Global Id:	T0607301102
Status:	Open - Remediation
Status Date:	06/28/2004

Regulatory Activities:

Global Id:	T0607301102
Action Type:	ENFORCEMENT
Date:	05/05/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301102
Action Type:	ENFORCEMENT
Date:	05/05/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301102
Action Type:	ENFORCEMENT
Date:	06/02/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301102
Action Type:	Other
Date:	12/01/1992
Action:	Leak Began
Global Id:	T0607301102
Action Type:	RESPONSE
Date:	09/29/2010

SWAIN OIL (Continued) **S104748427**

Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 07/30/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 02/03/2011
Action: Closure/No Further Action Letter

Global Id: T0607301102
Action Type: Other
Date: 12/01/1992
Action: Leak Discovery

Global Id: T0607301102
Action Type: REMEDIATION
Date: 05/29/2009
Action: Free Product Removal

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 07/17/2007
Action: Notice of Violation

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 12/20/2010
Action: LOP Case Closure Summary to RB

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 12/21/2010
Action: Notification - Fee Title Owners Notice

Global Id: T0607301102
Action Type: Other
Date: 12/01/1992
Action: Leak Stopped

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 01/07/1993
Action: Notice of Responsibility

Global Id: T0607301102
Action Type: Other
Date: 12/01/1992
Action: Leak Reported

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 07/03/2008
Action: Technical Correspondence / Assistance / Other

SWAIN OIL (Continued) **S104748427**

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 04/17/2009
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 02/27/2009
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 02/19/2009
Action: Notice of Responsibility

Global Id: T0607301102
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607301102
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301102
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301102
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0607301102
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0607301102
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0607301102
Action Type: RESPONSE
Date: 09/15/2010
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

SAN DIEGO CO. HMMD:
Facility Id: 115206
Business Type: Not reported
EPA Id Number: Not reported
APN: DEH-115206
Last HMMD Inspection: 08/05/1999

SWAIN OIL (Continued) **S104748427**

Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SCOTT SWAIN
Facility Address:	4421 GLACIER AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 115206 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	115206
Tank Type:	UNKNOWN
Additional Id:	AT2748
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H15206-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Action (Clean-Up)
Date:	1/27/2009
Date Began:	12/1/1992

---

10 **EDR US Hist Auto Stat** **1015585270**

6333 RIVERDALE ST **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	CALIFORNIA AUTO WORKS
Year:	1999
Address:	6333 RIVERDALE ST
Name:	CALIFORNIA AUTO WORKS
Year:	2003
Address:	6333 RIVERDALE ST
Name:	CALIFORNIA AUTO WORKS
Year:	2004

(Continued) **1015585270**

Address: 6333 RIVERDALE ST

Name: CALIFORNIA AUTO WORKS
Year: 2005
Address: 6333 RIVERDALE ST

Name: AUTO EXPRESS AUTOMOTIVE
Year: 2006
Address: 6333 RIVERDALE ST

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10 **EDR US Hist Auto Stat** **1015585365**
6338 RIVERDALE ST **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: ALL CAL ENGINE SALES & EXCHANGE
Year: 1999
Address: 6338 RIVERDALE ST

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10 **7-ELEVEN FOOD STORE #27623** **CA LUST** **S108196354**
6401 MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120

LUST:

Region:	STATE
Global Id:	T0607399075
Latitude:	32.7900209502856
Longitude:	-117.09740281105
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/26/2002
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT4086
LOC Case Number:	H21264-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607399075
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607399075
Status:	Completed - Case Closed

7-ELEVEN FOOD STORE #27623 (Continued) **S108196354**

Status Date: 07/26/2002

Global Id: T0607399075
Status: Open - Case Begin Date
Status Date: 07/25/2000

Regulatory Activities:
Global Id: T0607399075
Action Type: Other
Date: 07/25/2000
Action: Leak Began

Global Id: T0607399075
Action Type: Other
Date: 07/25/2000
Action: Leak Discovery

Global Id: T0607399075
Action Type: Other
Date: 07/25/2000
Action: Leak Stopped

Global Id: T0607399075
Action Type: ENFORCEMENT
Date: 03/27/2002
Action: Notice of Responsibility

Global Id: T0607399075
Action Type: Other
Date: 07/25/2000
Action: Leak Reported

SAN DIEGO CO. HMMD:
Facility Id: 121264
Business Type: 6HK28
EPA Id Number: CAL000146858
APN: 458-343-28-00
Last HMMD Inspection: 08/24/2012
Permit Status: OPEN
Permit Expiration: 03/31/2013
Facility Owner: 7-ELEVEN, INC.
Facility Address: PO BOX 711
Facility City: DALLAS
Facility State: TX
Facility Zip: 75221-
UST Owner: 7-ELEVEN, INC.
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 121264 T001
Last Update: 2012-11-02 14:17:38

7-ELEVEN FOOD STORE #27623 (Continued) **S108196354**

Permit Number:	121264
Tank Type:	DOUBLE WALL
Additional Id:	RT1461/RT3002, RT4260
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 121264 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121264
Tank Type:	DOUBLE WALL
Additional Id:	RT1461/RT3002, RT4260
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 121264 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121264
Tank Type:	DOUBLE WALL
Additional Id:	RT1461/RT3002, RT4260
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	121264
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 121264 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE

7-ELEVEN FOOD STORE #27623 (Continued) **S108196354**

Hazardous Categories 2: Not reported

Facility Id: 121264
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: GASOLINE FILTERS/ ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121264
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 121264 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121264
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 121264 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121264
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 121264
Update Date: 11/02/2012
Inspection Date: 08/18/2009
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

Facility Id: 121264
Update Date: 11/02/2012
Inspection Date: 08/24/2012
Violation Code: 6HV3252
Violation: AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation: All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity: ACTIVE

7-ELEVEN FOOD STORE #27623 (Continued) **S108196354**

Facility Id:	121264
Update Date:	11/02/2012
Inspection Date:	07/29/2004
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	121264
Update Date:	11/02/2012
Inspection Date:	08/18/2011
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

Facility Id:	121264
Update Date:	11/02/2012
Inspection Date:	08/11/2005
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE

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10 **7-ELEVEN STORE #27623** **CA LUST** **S104793882**
6401 MISSION GORGE RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120 **CA EMI**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT4086
Local Case:	H21264-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Other Source
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	07/25/2000
Date Stopped:	07/25/2000
Confirm Date:	/ /
Submit Workplan:	7/25/00
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/06/2000

7-ELEVEN STORE #27623 (Continued) **S104793882**

Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 21264
Number: 9
Board Of Equalization: 44-002927
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021264-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 21264
Number: 9
Board Of Equalization: 44-002927
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021264-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 21264
Number: 9
Board Of Equalization: 44-002927
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

7-ELEVEN STORE #27623 (Continued) **S104793882**

SWRCB Tank Id:	37-000-021264-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	86108
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	1.09
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	86108
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	1.09
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	86108
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	1.09
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

7-ELEVEN STORE #27623 (Continued) **S104793882**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	86108
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0900000000000001
Reactive Organic Gases Tons/Yr:	1.0900000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	86108
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0900000000000001
Reactive Organic Gases Tons/Yr:	1.0900000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	86108
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	1.09
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2012
County Code:	37

7-ELEVEN STORE #27623 (Continued) **S104793882**

Air Basin:	SD
Facility ID:	86108
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.09
Reactive Organic Gases Tons/Yr:	1.09
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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10 **7-ELEVEN FOOD STORE #27623** **CA UST** **U003937328**
6401 MISSION GORGE RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92120

UST:

Facility ID:	H21264
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.791474
Longitude:	-117.095972

SAN DIEGO CO. SAM:

Case Number:	H21264-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/26/2002
Date Began:	7/25/2000

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10 **THRIFTY SERVICE STATION #102*** **CA LUST** **S101302096**
6404 MISSION GORGE RD **CA EMI** **N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Pollution Characterization
Case Number:	9UT563
Local Case:	H16062-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	GTVS
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Unknown
Cause:	Unknown
Lead Agency:	Regional Board
Case Type:	Aquifer affected
Date Found:	08/07/1986
Date Stopped:	08/08/1986
Confirm Date:	08/08/1986

THRIFTY SERVICE STATION #102* (Continued) **S101302096**

Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: 11/13/00
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/09/1986
Enforce Date: 1/15/88
Closed Date: Not reported
Enforce Type: Cleanup and Abatement Orders
Pilot Program: UST
Basin Number: 907.11
GW Depth: 18'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: 88-14
Waste Discharge Requirement Number: Not reported

EMI:

Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 1449
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 1449
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2001

THRIFTY SERVICE STATION #102* (Continued) **S101302096**

County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD

THRIFTY SERVICE STATION #102* (Continued) **S101302096**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4998382
Reactive Organic Gases Tons/Yr:	1.4998382
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4998382
Reactive Organic Gases Tons/Yr:	1.4998382
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.75
Reactive Organic Gases Tons/Yr:	1.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.75
Reactive Organic Gases Tons/Yr:	1.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

THRIFTY SERVICE STATION #102* (Continued) **S101302096**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.75
Reactive Organic Gases Tons/Yr:	1.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.75
Reactive Organic Gases Tons/Yr:	1.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.75
Reactive Organic Gases Tons/Yr:	1.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011
County Code:	37

THRIFTY SERVICE STATION #102* (Continued) **S101302096**

Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.75
Reactive Organic Gases Tons/Yr:	1.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	1449
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.75
Reactive Organic Gases Tons/Yr:	1.75
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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10 **THRIFTY SERVICE STATION #102*** **CA HIST CORTESE** **S103950688**
6404 MISSION GORGE RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA ENF**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT563

Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000216N88

LUST:

Region:	STATE
Global Id:	T0607302852
Latitude:	32.790117
Longitude:	-117.098098
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/01/2002
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	SJP

THRIFTY SERVICE STATION #102* (Continued) **S103950688**

Local Agency:	Not reported
RB Case Number:	9UT563
LOC Case Number:	H16062-001
File Location:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302852
Contact Type:	Regional Board Caseworker
Contact Name:	SUE J. PEASE
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 NORTHSIDE DRIVE, SUITE 100
City:	SAN DIEGO
Email:	sue.pease@waterboards.ca.gov
Phone Number:	6195215895

Status History:

Global Id:	T0607302852
Status:	Completed - Case Closed
Status Date:	10/01/2002
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	07/30/2000
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	10/30/2000
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	01/30/2001
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	04/30/2001
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	07/30/2001
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	10/11/2001
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	01/02/2002
Global Id:	T0607302852
Status:	Open - Verification Monitoring
Status Date:	03/18/2002

THRIFTY SERVICE STATION #102* (Continued) **S103950688**

Global Id: T0607302852
Status: Open - Verification Monitoring
Status Date: 06/26/2002

Global Id: T0607302852
Status: Open - Verification Monitoring
Status Date: 09/30/2002

Global Id: T0607302852
Status: Open - Case Begin Date
Status Date: 08/07/1986

Global Id: T0607302852
Status: Open - Site Assessment
Status Date: 08/08/1986

Global Id: T0607302852
Status: Open - Site Assessment
Status Date: 02/28/2001

Global Id: T0607302852
Status: Open - Site Assessment
Status Date: 03/20/2002

Regulatory Activities:

Global Id: T0607302852
Action Type: RESPONSE
Date: 03/30/2002
Action: Soil and Water Investigation Report

Global Id: T0607302852
Action Type: RESPONSE
Date: 10/31/2002
Action: Monitoring Report - Quarterly

Global Id: T0607302852
Action Type: Other
Date: 08/07/1986
Action: Leak Discovery

Global Id: T0607302852
Action Type: Other
Date: 08/08/1986
Action: Leak Stopped

Global Id: T0607302852
Action Type: ENFORCEMENT
Date: 10/01/2002
Action: Closure/No Further Action Letter

Global Id: T0607302852
Action Type: Other
Date: 09/09/1986
Action: Leak Reported

Global Id: T0607302852
Action Type: ENFORCEMENT

THRIFTY SERVICE STATION #102* (Continued) **S103950688**

Date:	01/15/1988
Action:	Clean-up and Abatement Order - #88-14
Global Id:	T0607302852
Action Type:	ENFORCEMENT
Date:	10/01/2002
Action:	Rescission of Enforcement Action - #R9-2002-188

ENF:

Region:	9
Facility Id:	264468
Agency Name:	Thrifty Oil Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000216N88
Reg Measure Id:	160988
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported

THRIFTY SERVICE STATION #102* (Continued) **S103950688**

Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	10/27/2011
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	235839
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/13/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/13/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000216N88
Description:	Letter sent to disharger about inadequate monitoring report. Detection limits for constituents is too high. Correct in future reports.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	264468
Agency Name:	Thrifty Oil Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported

THRIFTY SERVICE STATION #102* (Continued) **S103950688**

SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000216N88
Reg Measure Id:	160988
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	10/27/2011
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	235043
Region:	9
Order / Resolution Number:	88-14
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/15/1988
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported

THRIFTY SERVICE STATION #102* (Continued) **S103950688**

EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000216N88
Description:	CAO No. 88-14 adopted for delineation and remediation of hydrocarbon pollution from this gas station.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

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10 **ARCO FACILITY #9564** **CA SAN DIEGO CO. SAM** **S108406951**
6404 N MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

SAN DIEGO CO. SAM:

Case Number:	H16062-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	10/1/2005
Date Began:	8/8/1986

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10 **EDR US Hist Auto Stat** **1015135557**
10383 FRIARS RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	STADIUM CAR WASH & DETAILING CENTER
Year:	1999
Address:	10383 FRIARS RD
Name:	STADIUM CAR WASH & DETAILING CENTER
Year:	2000
Address:	10383 FRIARS RD
Name:	STADIUM CAR WASH
Year:	2001
Address:	10383 FRIARS RD
Name:	STADIUM CAR WASH
Year:	2002
Address:	10383 FRIARS RD

10 **FRIARS ROAD UNOCAL 76** **CA HIST CORTESE** **S104160581**
10385 FRIARS RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA SLIC**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2743

LUST:

Region:	STATE
Global Id:	T0607301498
Latitude:	32.790044128
Longitude:	-117.10080616
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/15/2007
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	EM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2743
LOC Case Number:	H21262-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301498
Contact Type:	Local Agency Caseworker
Contact Name:	EWAN MOFFAT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ewan.moffat@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301498
Status:	Completed - Case Closed
Status Date:	05/15/2007
Global Id:	T0607301498
Status:	Open - Case Begin Date
Status Date:	05/09/1994

Regulatory Activities:

Global Id:	T0607301498
Action Type:	Other
Date:	05/09/1994
Action:	Leak Began
Global Id:	T0607301498
Action Type:	Other
Date:	05/09/1994

FRIARS ROAD UNOCAL 76 (Continued) **S104160581**

Action: Leak Discovery

Global Id: T0607301498
Action Type: Other
Date: 05/09/1994
Action: Leak Stopped

Global Id: T0607301498
Action Type: ENFORCEMENT
Date: 05/16/1994
Action: Notice of Responsibility

Global Id: T0607301498
Action Type: Other
Date: 05/09/1994
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Remediation Plan
Case Number: 9UT2743
Local Case: H21262-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Test
How Stopped: Repair Piping
Source: Piping
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/09/1994
Date Stopped: 05/09/1994
Confirm Date: / /
Submit Workplan: 5/16/94
Prelim Assess: 05/18/1994
Desc Pollution: Not reported
Remed Plan: 08/27/1996
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/13/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: MUNISW
NPDES Number: Not reported
Priority: 1B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

FRIARS ROAD UNOCAL 76 (Continued) **S104160581**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/28/1996
Global Id:	T0608174458
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21262-002
Latitude:	32.789968
Longitude:	-117.100622
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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10 **FRIARS ROAD UNOCAL 76** **CA UST** **U001573133**
10385 FRIARS RD **CA HIST UST** **N/A**
SAN DIEGO, CA 92120 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

UST:

Facility ID:	H21262
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.7915402
Longitude:	-117.0995546

HIST UST:

Region:	STATE
Facility ID:	00000065616
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	F. LEE EDWARDS
Telephone:	6192815838
Owner Name:	FRIARS RIVERDALE, LTD.
Owner Address:	5820 MIRAMAR ROAD, SUITE 200
Owner City,St,Zip:	SAN DIEGO, CA 92121
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1984
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000

FRIARS ROAD UNOCAL 76 (Continued) **U001573133**

Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: 1984
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Active
Comp Number: 21262
Number: 9
Board Of Equalization: 44-023505
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021262-000001
Tank Status: A
Capacity: 20000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 21262
Number: 9
Board Of Equalization: 44-023505
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021262-000002
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 21262
Number: 9
Board Of Equalization: 44-023505
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

FRIARS ROAD UNOCAL 76 (Continued) **U001573133**

SWRCB Tank Id: 37-000-021262-000003
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 121262
Business Type: 6HK29
EPA Id Number: Not reported
APN: 458-720-11-00
Last HMMD Inspection: 08/19/1998
Permit Status: INAC
Permit Expiration: 02/06/2001
Facility Owner: FRIARS RIVERDALE LTD
Facility Address: 10385 FRIARS RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120-2302
UST Owner: FRIARS RIVERDALE LTD
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 121262 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121262
Tank Type: SINGLE WALL
Additional Id: AT4656
Capacity Gallons: 20000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 2001-05-02 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 121262 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 121262
Tank Type: SINGLE WALL
Additional Id: AT4656
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED

FRIARS ROAD UNOCAL 76 (Continued) **U001573133**

Remove Close Date:	2001-05-02 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121262 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121262
Tank Type:	SINGLE WALL
Additional Id:	AT4656
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2001-05-02 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H21262-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	5/15/2007
Date Began:	5/9/1994
Case Number:	H21262-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	4/28/1996
Date Began:	2/20/1996

---

10 **EDR US Hist Cleaners** **1014970201**
10393 FRIARS RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Cleaners:

Name:	MIRAGE CLEANERS
Year:	2001
Address:	10393 FRIARS RD
Name:	MIRAGE CLEANERS
Year:	2002
Address:	10393 FRIARS RD
Name:	MIRAGE CLEANERS

(Continued) **1014970201**

Year: 2004
Address: 10393 FRIARS RD

Name: MIRAGE CLEANERS
Year: 2006
Address: 10393 FRIARS RD

Name: MIRAGE CLEANERS
Year: 2010
Address: 10393 FRIARS RD

Name: MIRAGE CLEANERS
Year: 2011
Address: 10393 FRIARS RD

Name: MIRAGE CLEANERS
Year: 2012
Address: 10393 FRIARS RD

---

10 **BRINKERHOFF ESTATES LLC DBA MISSION GORGE DRY CLEANING** **CA DRYCLEANERS** **S106661676**
10330 FRIARS RD STE 109 **N/A**
SAN DIEGO, CA 92120

DRYCLEANERS:
EPA Id: CAL000287379
NAICS Code: 812331
NAICS Description: Linen Supply
SIC Code: 7213
SIC Description: Linen Supply
Create Date: 10/21/2004
Facility Active: No
Inactive Date: 02/23/2009
Facility Addr2: Not reported
Owner Name: BYUNG HAN YOO
Owner Address: 10330 FRIARS RD STE 109
Owner Address 2: Not reported
Owner Telephone: 6192821763
Contact Name: BYUNG HAN YOO
Contact Address: 10330 FRIARS RD STE 109
Contact Address 2: Not reported
Contact Telephone: 6197780325
Mailing Name: Not reported
Mailing Address 1: 10330 FRIARS RD STE 109
Mailing Address 2: Not reported
Mailing City: SAN DIEGO
Mailing State: CA
Mailing Zip: 921202300
Owner Fax: Not reported
Region Code: 6192821763

EPA Id: CAL000340882
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 02/26/2009
Facility Active: No
Inactive Date: 11/08/2010

BRINKERHOFF ESTATES LLC DBA MISSION GORGE DRY CLEANING (Continued) **S106661676**

Facility Addr2:	Not reported
Owner Name:	TIRANDAZ S IRANI
Owner Address:	13 STONEWALL CT
Owner Address 2:	Not reported
Owner Telephone:	5514278536
Contact Name:	BEHRAM IRANI
Contact Address:	10330 FRIARS RD STE 109
Contact Address 2:	Not reported
Contact Telephone:	6192821763
Mailing Name:	Not reported
Mailing Address 1:	10330 FRIARS RD STE 109
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921202300
Owner Fax:	Not reported
Region Code:	2018188975

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10 **CVS PHARMACY NO 9154** **RCRA-LQG** **1015753126**
10350 FRIARS RD **CAR000234641**
SAN DIEGO, CA 92120

RCRA-LQG:

Date form received by agency:	01/03/2013
Facility name:	CVS PHARMACY NO 9154
Facility address:	10350 FRIARS RD SAN DIEGO, CA 92120
EPA ID:	CAR000234641
Mailing address:	ONE CVS DR WOONSOCKET, RI 02895
Contact:	WENDY L BRANT
Contact address:	ONE CVS DR WOONSOCKET, RI 02895
Contact country:	US
Contact telephone:	401-765-1500
Contact email:	CVS CORP ENV MGR
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	INVESTCAL REALTY CORP
Owner/operator address:	401 W A ST ST 2300 SAN DIEGO, CA 92101
Owner/operator country:	US
Owner/operator telephone:	619-400-8753

CVS PHARMACY NO 9154 (Continued) **1015753126**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/21/1978
Owner/Op end date: Not reported

Owner/operator name: LONGS DRUG STORES CALIFORNIA LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/22/2008
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Violation Status: No violations found

11 **ADMIRAL BAKER GOLF COURSE** **CA SWF/LF** **S101669408**
2400 BLK ADMIRAL BAKER ROAD **N/A**
SAN DIEGO, CA

SWF/LF (SWIS):

Region:	STATE
Facility ID:	37-CR-0002
Lat/Long:	32.7937299 / -117.1049
Owner Name:	US Dept Of Navy-China Lake
Owner Telephone:	7609271508
Owner Address:	Not reported
Owner Address2:	1 Admin Cl. - Code 83e000d
Owner City,St,Zip:	China Lake, CA 93555-6100
Operational Status:	Closed
Operator:	US Dept Of Navy-China Lake
Operator Phone:	7609271508
Operator Address:	Not reported
Operator Address2:	1 Admin Cl. - Code 83e000d
Operator City,St,Zip:	China Lake, CA 93555-6100
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	0
Activity:	Solid Waste Disposal Site
Regulation Status:	Pre-regulations
Landuse Name:	Military,Golf Course
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	None
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	0
SWIS Num:	37-CR-0002
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	0
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	0
Remaining Capacity:	0
Remaining Capacity with Units:	Not reported
Lat/Long:	32.7937299 / -117.1049

---

12 **MURRAY CANYON BURNSITE** **CA SWF/LF** **S101669411**
ESCONDIDO AVE., OFF MURRAY RIDGE RD. **N/A**
SAN DIEGO, CA

SWF/LF (SWIS):

Region:	STATE
Facility ID:	37-CR-0051
Lat/Long:	32.7901999 / -117.14739
Owner Name:	City of San Diego Parks and Recreation
Owner Telephone:	6192218901
Owner Address:	Park Manager
Owner Address2:	2581 Quirvira Court, MS 32
Owner City,St,Zip:	San Diego, CA 92109
Operational Status:	Closed
Operator:	City of San Diego Parks and Recreation
Operator Phone:	6192218901
Operator Address:	Park Manager

MURRAY CANYON BURNSITE (Continued) **S101669411**

Operator Address2: 2581 Quirvira Court, MS 32
Operator City,St,Zip: San Diego, CA 92109
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: 0
Activity: Solid Waste Disposal Site
Regulation Status: Pre-regulations
Landuse Name: Residential,Recreational,Park
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Annual
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: 0
SWIS Num: 37-CR-0051
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: 0
Actual Throughput with Units: Not reported
Permitted Capacity with Units: 0
Remaining Capacity: 0
Remaining Capacity with Units: Not reported
Lat/Long: 32.7901999 / -117.14739

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13 **EDR US Hist Auto Stat** **1015673379**
9149 RONDA AVE **N/A**
SAN DIEGO, CA 92123

EDR Historical Auto Stations:
Name: AUTOMOTIVE SHOWS USA
Year: 2009
Address: 9149 RONDA AVE

---

14 **EDR US Hist Cleaners** **1015078290**
5942 RANCHO MISSION RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:
Name: IMMACULATE CLEANING SERVICE
Year: 2003
Address: 5942 RANCHO MISSION RD

---

14 **CALVIN HASTINGS** **CA HAZNET** **S113781146**
5999 RANCHO MISSION RD UNIT 117 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113781146
Year: 2012
GEPAID: CAC002695334
Contact: CALVIN HASTINGS
Telephone: 9512314479
Mailing Name: Not reported

CALVIN HASTINGS (Continued) **S113781146**

Mailing Address:	5999 RANCHO MISSION RD UNIT 117
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

---

14 **CA CHMIRS** **S105675191**

6009 RANCHO MISSION RD. **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	01-2465
OES notification:	04/27/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	City of San Diego Waste Water

(Continued) **S105675191**

Incident Date:	4/27/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Sewage
Gallons:	320
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A root blockage in line caused spill. The spill was contained in storm drain.

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14 **MISSION PLAZA CONDOMINIUMS ASSOC** **CA HAZNET** **S112916427**
6009 RANCHO MISSION RD UNIT 202 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112916427
Year:	2001
GEPAID:	CAC002370719
Contact:	JIM OSBURN
Telephone:	6192837004
Mailing Name:	Not reported
Mailing Address:	10509 SAN DIEGO MISSION RD STE P
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	0.42
Facility County:	San Diego

14 **JEFF FERGUSON** **CA HAZNET** **S117293872**
6029 RANCHO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117293872
Year:	2013
GEPAID:	CAC002733290
Contact:	JEFF FERGUSON
Telephone:	6126706626
Mailing Name:	Not reported
Mailing Address:	3525 DEL MAR HEIGHTS RD # 396
Mailing City,St,Zip:	SAN DIEGO, CA 921302199
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	Not reported

---

14 **RHEINSCHMIDT FAMILY TRUST** **CA HAZNET** **S112988944**
10699 SAN DIEGO MISSION RD UNIT 207 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112988944
Year:	2011
GEPAID:	CAC002670134
Contact:	MARGARET RHEINSCHMIDT
Telephone:	6192803262
Mailing Name:	Not reported
Mailing Address:	45 WHITE SUN WAY
Mailing City,St,Zip:	RANCHO MIRAGE, CA 92270
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

envid:	S112988944
Year:	2011
GEPAID:	CAC002670134
Contact:	MARGARET RHEINSCHMIDT
Telephone:	6192803262
Mailing Name:	Not reported
Mailing Address:	45 WHITE SUN WAY
Mailing City,St,Zip:	RANCHO MIRAGE, CA 92270
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

14 **NATHAN MATROKA** **CA HAZNET** **S113773744**
10669 SAN DIEGO MISSION RD UNIT 210 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113773744
Year:	2012
GEPAID:	CAC002686183
Contact:	NATHAN MATROKA
Telephone:	6195076689
Mailing Name:	Not reported
Mailing Address:	10669 SAN DIEGO MISSION RD UNIT 210
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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14 **P T MANAGEMENT LLC** **CA HAZNET** **S112938452**
10509 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112938452
Year:	2004
GEPAID:	CAC002578972
Contact:	JIM OSBURN
Telephone:	6192837004
Mailing Name:	Not reported
Mailing Address:	10509 SAN DIEGO MISSION RD STE P
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Treatment, Tank
Tons:	0.41
Facility County:	San Diego

envid:	S112938452
Year:	2004
GEPAID:	CAC002578972
Contact:	JIM OSBURN
Telephone:	6192837004
Mailing Name:	Not reported
Mailing Address:	10509 SAN DIEGO MISSION RD STE P
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZR000002428
TSD County:	Not reported
Waste Category:	Unspecified sludge waste
Disposal Method:	Disposal, Land Fill
Tons:	8.92
Facility County:	San Diego

14 | **CA CHMIRS** | **S110417678** | **N/A**

10475 SAN DIEGO MISSION ROAD, MCGREGORS GRILL AND ALE HOUSE
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	'08-7882
OES notification:	11/02/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2011
Year:	2008
Agency:	City of San Diego
Incident Date:	11/1/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage
Quantity Released:	245
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S110417678**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states an unknown blockage on a private lateral resulted in the overflow of substance out of a clean out.

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14 **JOSEPH MALDONADO DDS** **CA San Diego Co. HMMD** **S104757695**
10471 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	150364
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	434-032-23-00
Last HMMD Inspection:	04/13/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	JOSEPH MALDONADO DDS
Facility Address:	10471 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-2101
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	150364
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	150364
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	SRU, FIXERTRMT SYS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

JOSEPH MALDONADO DDS (Continued) **S104757695**

Facility Id:	150364
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	434-032-23-00
Last HMMD Inspection:	04/13/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	JOSEPH MALDONADO DDS
Facility Address:	10471 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-2101
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	150364
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	150364
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	SRU, FIXERTRMT SYS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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14 **SAN DIEGO FOTO LAB INC** **CA San Diego Co. HMMD** **S103621275**
10459 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133840
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	434-032-23-00
Last HMMD Inspection:	11/01/1994
Permit Status:	INAC
Permit Expiration:	11/01/1994
Facility Owner:	VICTOR VARADI
Facility Address:	10459 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported

SAN DIEGO FOTO LAB INC (Continued) **S103621275**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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14 **EDR US Hist Cleaners** **1014970789**

10459 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name: AVALON CLEANERS
Year: 2002
Address: 10459 SAN DIEGO MISSION RD

Name: PARS CLEANERS
Year: 2004
Address: 10459 SAN DIEGO MISSION RD

Name: PARS CLEANERS
Year: 2005
Address: 10459 SAN DIEGO MISSION RD

Name: PARS CLEANERS
Year: 2006
Address: 10459 SAN DIEGO MISSION RD

Name: PARS CLEANERS
Year: 2007
Address: 10459 SAN DIEGO MISSION RD

Name: PARS CLEANERS
Year: 2008
Address: 10459 SAN DIEGO MISSION RD

Name: PREMIER DRY CLEANERS
Year: 2010
Address: 10459 SAN DIEGO MISSION RD

Name: PREMIER DRY CLEANERS
Year: 2011
Address: 10459 SAN DIEGO MISSION RD

Name: PREMIER DRY CLEANERS
Year: 2012
Address: 10459 SAN DIEGO MISSION RD

14 **FUJI PHOTO FILM USA INC** **CA HAZNET** **S113172139**
10459 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113172139
Year:	1994
GEPAID:	CAP400480095
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing City,St,Zip:	000000000
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.2168
Facility County:	0

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14 **MICHAEL S CLEANERS** **EDR US Hist Cleaners** **1009128261**
10439 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	MICHAEL S CLEANERS
Year:	1980
Type:	CLEANERS AND DYERS

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14 **STEVEN R JONES, D.C** **CA San Diego Co. HMMD** **S106072336**
10415 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92018

SAN DIEGO CO. HMMD:

Facility Id:	202404
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	434-032-23-00
Last HMMD Inspection:	03/02/2005
Permit Status:	INAC
Permit Expiration:	11/30/2005
Facility Owner:	STEVEN R JONES
Facility Address:	10415 SAN DIEGO MISSION RD, #C
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92018
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

14 **DAVID M TOPPI DMD, INC.**
10415 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

CA San Diego Co. HMMD **S106064014**
N/A

SAN DIEGO CO. HMMD:

Facility Id:	211380
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	434-032-23-00
Last HMMD Inspection:	08/11/2010
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	DAVID M TOPPI, DMD
Facility Address:	10415 SAN DIEGO MISSION RD #A
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	211380
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYZER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	211380
Update Date:	11/02/2012
Inspection Date:	08/11/2010
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	133841
Business Type:	6HK18
EPA Id Number:	CAL000021069
APN:	434-032-23-00
Last HMMD Inspection:	11/01/1994
Permit Status:	INAC
Permit Expiration:	07/31/1995
Facility Owner:	ERIK CHRISTENSEN
Facility Address:	10415 SAN DIEGO MISSION RD #A
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported

DAVID M TOPPI DMD, INC. (Continued) **S106064014**

Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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14 **CA CHMIRS** **S105676656**

10405 SAN DIEGO MISSION RD. **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	01-1172
OES notification:	02/26/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	City of San Diego Waste Water
Incident Date:	2/26/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes

(Continued) **S105676656**

Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage
Gallons:	540
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Debris in line caused overflow at clean-out.

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14 **SAN DIEGO TEACHERS ASSOCIATION** **CA HAZNET** **S112863954**
10393 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112863954
Year:	1996
GEPAID:	CAC001058360
Contact:	SAN DIEGO TEACHERS ASSOC.
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	10393 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Not reported
Tons:	1.7632
Facility County:	San Diego

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14 **MISSION VERDE HOA** **CA HAZNET** **S113463323**
6111 RANCHO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113463323
Year:	2010
GEPAID:	CAC002658592
Contact:	DAVE KAERNY
Telephone:	6192475344
Mailing Name:	Not reported
Mailing Address:	4619 VIEWRIDGE AVE STE B
Mailing City,St,Zip:	SAN DIEGO, CA 921235611

MISSION VERDE HOA (Continued) **S113463323**

Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.3
Facility County: San Diego

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14 **PADRE GARDENS RANCHO MISSION LP** **CA HAZNET** **S113772296**
10353 SAN DIEGO MISSION RD UNIT C22 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113772296
Year: 2012
GEPAID: CAC002684405
Contact: SHERRI BRESLIN
Telephone: 6195631856
Mailing Name: Not reported
Mailing Address: 7964 ARJONS DR STE H
Mailing City,St,Zip: SAN DIEGO, CA 92126
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.8
Facility County: San Diego

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14 **SIERRA SPRINGS** **CA SWEEPS UST** **S104745133**
10306 SAN DIEGO MISSION RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:
Status: Active
Comp Number: 844
Number: 9
Board Of Equalization: 44-021584
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 844
Number: Not reported
Board Of Equalization: 44-021584

SIERRA SPRINGS (Continued) **S104745133**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000844-000001
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	WASTE
Content:	LEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	100844
Business Type:	6HK70
EPA Id Number:	CAL000091785
APN:	434-031-03-00
Last HMMD Inspection:	12/02/2003
Permit Status:	INAC
Permit Expiration:	03/31/2005
Facility Owner:	HINCKLEY & SCHMITT, INC
Facility Address:	10306 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-2103
UST Owner:	SILVER SPRINGS WATER CO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100844 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100844
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	5000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Facility Id:	208942
Business Type:	6HK75
EPA Id Number:	Not reported
APN:	434-031-03-00

SIERRA SPRINGS (Continued) **S104745133**

Last HMMD Inspection:	09/14/2010
Permit Status:	INAC
Permit Expiration:	01/31/2012
Facility Owner:	THE FIREHOUSE BREWING COMPANY
Facility Address:	10306 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	208942
Update Date:	11/02/2012
Inspection Date:	09/14/2010
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	Inactive Permit

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14 **SIERRA SPRINGS WATER CO** **CA HAZNET** **S112947870**
10306 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112947870
Year:	2005
GEPAID:	CAC002594318
Contact:	GREG SCHUBERT
Telephone:	6192820649
Mailing Name:	Not reported
Mailing Address:	10306 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Recycler
Tons:	0.1
Facility County:	San Diego

envid:	S112947870
Year:	2005
GEPAID:	CAC002594318
Contact:	GREG SCHUBERT
Telephone:	6192820649
Mailing Name:	Not reported
Mailing Address:	10306 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported

SIERRA SPRINGS WATER CO (Continued) **S112947870**

Waste Category: Liquids with pH <= 2
Disposal Method: Disposal, Other
Tons: 0.02
Facility County: San Diego

envid: S112947870
Year: 2005
GEPAID: CAC002594318
Contact: GREG SCHUBERT
Telephone: 6192820649
Mailing Name: Not reported
Mailing Address: 10306 SAN DIEGO MISSION RD
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 0.03
Facility County: San Diego

envid: S112947870
Year: 2005
GEPAID: CAC002594318
Contact: GREG SCHUBERT
Telephone: 6192820649
Mailing Name: Not reported
Mailing Address: 10306 SAN DIEGO MISSION RD
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Latex waste
Disposal Method: Disposal, Land Fill
Tons: 0.11
Facility County: San Diego

envid: S112947870
Year: 2005
GEPAID: CAC002594318
Contact: GREG SCHUBERT
Telephone: 6192820649
Mailing Name: Not reported
Mailing Address: 10306 SAN DIEGO MISSION RD
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 0.07
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

14 **HINCKLEY & SCHMITT** **CA HAZNET** **S113056319**
10306 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113056319
Year:	1999
GEPAID:	CAL000091785
Contact:	SUNTORY WATER GROUP, INC
Telephone:	3037211596
Mailing Name:	Not reported
Mailing Address:	10306 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921082103
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Recycler
Tons:	.1459
Facility County:	San Diego

envid:	S113056319
Year:	1997
GEPAID:	CAL000091785
Contact:	SUNTORY WATER GROUP, INC
Telephone:	3037211596
Mailing Name:	Not reported
Mailing Address:	10306 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921082103
Gen County:	Not reported
TSD EPA ID:	CAD009452657
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	.0417
Facility County:	San Diego

envid:	S113056319
Year:	1995
GEPAID:	CAL000091785
Contact:	SUNTORY WATER GROUP, INC
Telephone:	3037211596
Mailing Name:	Not reported
Mailing Address:	10306 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921082103
Gen County:	Not reported
TSD EPA ID:	CAD009452657
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	.0417
Facility County:	San Diego

envid:	S113056319
Year:	1994
GEPAID:	CAL000091785
Contact:	SUNTORY WATER GROUP, INC
Telephone:	3037211596
Mailing Name:	Not reported

HINCKLEY & SCHMITT (Continued) **S113056319**

Mailing Address: 10306 SAN DIEGO MISSION RD
Mailing City,St,Zip: SAN DIEGO, CA 921082103
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .2293
Facility County: San Diego

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14 **SCANIVALVE CORPORATION** **CA HAZNET** **S113034210**
10222 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S113034210
Year: 1995
GEPAID: CAL000032709
Contact: SCANIVALVE CORPORATIO
Telephone: 8009355151
Mailing Name: Not reported
Mailing Address: 1722 N MADSON ST
Mailing City,St,Zip: LIBERTY LAKE, WA 998190000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .3335
Facility County: San Diego

envid: S113034210
Year: 1995
GEPAID: CAL000032709
Contact: SCANIVALVE CORPORATIO
Telephone: 8009355151
Mailing Name: Not reported
Mailing Address: 1722 N MADSON ST
Mailing City,St,Zip: LIBERTY LAKE, WA 998190000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .1000
Facility County: San Diego

envid: S113034210
Year: 1994
GEPAID: CAL000032709
Contact: SCANIVALVE CORPORATIO
Telephone: 8009355151
Mailing Name: Not reported
Mailing Address: 1722 N MADSON ST
Mailing City,St,Zip: LIBERTY LAKE, WA 998190000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported

SCANIVALVE CORPORATION (Continued) **S113034210**

Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: .0250
Facility County: San Diego

envid: S113034210
Year: 1994
GEPAID: CAL000032709
Contact: SCANIVALVE CORPORATIO
Telephone: 8009355151
Mailing Name: Not reported
Mailing Address: 1722 N MADSON ST
Mailing City,St,Zip: LIBERTY LAKE, WA 998190000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Liquids with mercury >= 20 Mg./L
Disposal Method: Transfer Station
Tons: .0500
Facility County: San Diego

envid: S113034210
Year: 1994
GEPAID: CAL000032709
Contact: SCANIVALVE CORPORATIO
Telephone: 8009355151
Mailing Name: Not reported
Mailing Address: 1722 N MADSON ST
Mailing City,St,Zip: LIBERTY LAKE, WA 998190000
Gen County: Not reported
TSD EPA ID: CAD009452657
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .0417
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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14 **SCANIVALVE CORP** **CA San Diego Co. HMMD** **S100623579**
10222 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 100843
Business Type: 6HK35
EPA Id Number: CAL000032709
APN: 434-031-02-00
Last HMMD Inspection: 02/22/1995
Permit Status: INAC
Permit Expiration: 02/22/1995
Facility Owner: THEODORE BANTIS
Facility Address: P O BOX 609005
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92112-0609

SCANIVALVE CORP (Continued) **S100623579**

UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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14 **CA CHMIRS** **S113998813**

6191 RANCHO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	'13-1930
OES notification:	03/31/2013
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm drain
Spill Site:	Residence
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1740
Year:	2013
Agency:	City of San Diego
Incident Date:	3/30/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported

(Continued) **S113998813**

Contained:	Yes
Site Type:	Storm drain
E Date:	Not reported
Substance:	Sewage
Quantity Released:	180
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that blockage in a private lateral caused the release of sewage from a private clean out and into a storm drain. The entire release was recovered and washed down. Clean up is completed.

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14 **KAREN STONIER** **CA HAZNET** **S112987387**
6255 RANCHO MISSION RD UNIT 209 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112987387
Year:	2011
GEPAID:	CAC002668103
Contact:	KAREN STONIER
Telephone:	6197944253
Mailing Name:	Not reported
Mailing Address:	6255 RANCHO MISSION RD UNIT 209
Mailing City,St,Zip:	SAN DIEGO, CA 921081820
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

envid:	S112987387
Year:	2011
GEPAID:	CAC002668103
Contact:	KAREN STONIER
Telephone:	6197944253
Mailing Name:	Not reported
Mailing Address:	6255 RANCHO MISSION RD UNIT 209
Mailing City,St,Zip:	SAN DIEGO, CA 921081820
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported

KAREN STONIER (Continued) **S112987387**

Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

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14 **EDR US Hist Auto Stat** **1015583984**
6302 RANCHO MISSION RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: CALIFORNIA BTRY & AUTO ELCTRC
Year: 2004
Address: 6302 RANCHO MISSION RD

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14 **PRADO APARTMENTS** **CA HAZNET** **S113071847**
6304 RANCHO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113071847
Year: 2007
GEPAID: CAL000126938
Contact: TOM BARRY/MAINTENANCE SUPER
Telephone: 6195768077
Mailing Name: Not reported
Mailing Address: 6304 RANCHO MISSION RD
Mailing City,St,Zip: SAN DIEGO, CA 921081992
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 1.2
Facility County: San Diego

envid: S113071847
Year: 2006
GEPAID: CAL000126938
Contact: TOM BARRY/MAINTENANCE SUPER
Telephone: 6195768077
Mailing Name: Not reported
Mailing Address: 6304 RANCHO MISSION RD
Mailing City,St,Zip: SAN DIEGO, CA 921081992
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 2.52
Facility County: San Diego

envid: S113071847
Year: 1994
GEPAID: CAL000126938
Contact: LEO ZUCKERMAN

PRADO APARTMENTS (Continued) **S113071847**

Telephone:	6192805383
Mailing Name:	Not reported
Mailing Address:	6304 RANCHO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921081992
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.3371
Facility County:	San Diego

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14 **NAZARETH HOUSE** **CA San Diego Co. HMMD** **S104748176**
6333 RANCHO MISSION RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	114270
Business Type:	6HK58
EPA Id Number:	Not reported
APN:	434-040-40-55
Last HMMD Inspection:	04/11/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	POOR SISTERS NAZARETH
Facility Address:	6333 RANCHO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-2001
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	114270
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE, LIQUIFIED PETROLEUM COMRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	114270
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXPIRED/ UNUSED MEDS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114270
Update Date:	11/02/2012

NAZARETH HOUSE (Continued) **S104748176**

Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114270
Business Type: 6HK58
EPA Id Number: Not reported
APN: 434-040-40-55
Last HMMD Inspection: 04/11/2011
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: POOR SISTERS NAZARETH
Facility Address: 6333 RANCHO MISSION RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-2001
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Active Permits:
Facility Id: 114270
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE, LIQUIFIED PETROLEUM COMRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114270
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: EXPIRED/ UNUSED MEDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114270
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

14 **SMITH, SHELLEY LYNN SEPARATE PROPERTY TRUST 11-12-0** **CA HAZNET** **S117305010**
6359 RANCHO MISSION RD UNIT 2 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117305010
Year:	2013
GEPAID:	CAC002749590
Contact:	SMITH, SHELLEY
Telephone:	6192800633
Mailing Name:	Not reported
Mailing Address:	6359 RANCHO MISSION RD UNIT 2
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	Not reported

envid:	S117305010
Year:	2013
GEPAID:	CAC002749590
Contact:	SMITH, SHELLEY
Telephone:	6192800633
Mailing Name:	Not reported
Mailing Address:	6359 RANCHO MISSION RD UNIT 2
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	Not reported

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14 **SARA LEHNHARDT** **CA HAZNET** **S112880163**
6381-6 RANCHO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112880163
Year:	1996
GEPAID:	CAC001298032
Contact:	SARA LEHNHARDT
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	6381 RANCHO MISSION RD
Mailing City,St,Zip:	HOLTVILLE, CA 922500000
Gen County:	Not reported
TSD EPA ID:	IRC957100891
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.8428
Facility County:	San Diego

14 **JOEL AKAMINE** **CA HAZNET** **S113790532**
6389 RANCHO MISSION RD UNIT 2 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113790532
Year:	2012
GEPAID:	CAC002708366
Contact:	JOEL AKAMINE
Telephone:	8584423652
Mailing Name:	Not reported
Mailing Address:	6389 RANCHO MISSION RD UNIT 2
Mailing City,St,Zip:	SAN DIEGO, CA 921082024
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.6
Facility County:	San Diego

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15 **SDUSD-TRANSPORTATION BASE 1** **CA SAN DIEGO CO. SAM** **S108407244**
2351 CARDINAL LN **N/A**
SAN DIEGO, CA 92123

SAN DIEGO CO. SAM:

Case Number:	H14087-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	4/5/1988
Date Began:	8/21/1986

Case Number:	H14087-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	3/23/1989
Date Began:	3/23/1989

Case Number:	H14087-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	12/24/2003
Date Began:	8/5/1998

15 **SAN DIEGO SCHOOLS-TRANS. BASE1** **CA LUST** **S103472113**
2351 CARDINAL LN **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92123 **CA San Diego Co. HMMD**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3704
Local Case:	H14087-003
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	08/05/1998
Date Stopped:	08/05/1998
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	08/26/1998
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	08/05/1998
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	18’
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	2A
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	14087
Number:	9
Board Of Equalization:	44-022843
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014087-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER

SAN DIEGO SCHOOLS-TRANS. BASE1 (Continued) **S103472113**

Number Of Tanks: 6

Status: Active
Comp Number: 14087
Number: 9
Board Of Equalization: 44-022843
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014087-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 14087
Number: 9
Board Of Equalization: 44-022843
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014087-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 14087
Number: 9
Board Of Equalization: 44-022843
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014087-000004
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 14087
Number: 9
Board Of Equalization: 44-022843

SAN DIEGO SCHOOLS-TRANS. BASE1 (Continued) **S103472113**

Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014087-000005
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	14087
Number:	9
Board Of Equalization:	44-022843
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-014087-000006
Tank Status:	A
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	114087
Business Type:	6HK56
EPA Id Number:	CAD981453418
APN:	677-010-02-00
Last HMMD Inspection:	07/26/2007
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	SDUSD - SAFETY PROGRAM SUPERVISOR
Facility Address:	4860 RUFFNER ST
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92111
UST Owner:	SAN DIEGO UNIFIED SCHOOL DIST
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114087 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114087
Tank Type:	SINGLE WALL
Additional Id:	1

SAN DIEGO SCHOOLS-TRANS. BASE1 (Continued) **S103472113**

Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-08 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 114087 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	114087
Tank Type:	SINGLE WALL
Additional Id:	2 MANIFOLDED TO T001
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-08 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 114087 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	114087
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-05-08 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 114087 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	114087
Tank Type:	SINGLE WALL
Additional Id:	4 MANIFOLDED TO T005
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-08 00:00:00
Year Installed:	Not reported

SAN DIEGO SCHOOLS-TRANS. BASE1 (Continued) **S103472113**

Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114087 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	114087
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-08 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114087 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	114087
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

Active Permits:

Facility Id:	114087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 860 UNIVERSAL WASTE CRTS/LAMPS/BATTERIES/ETC
Other Information:	FLOURESCENT TUBES, CRTS, BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

SAN DIEGO SCHOOLS-TRANS. BASE1 (Continued) **S103472113**

Violations Active Permits:

Facility Id:	114087
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV4303
Violation:	SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity:	ACTIVE

Facility Id:	114087
Update Date:	11/02/2012
Inspection Date:	01/21/2004
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Facility Id:	114087
Update Date:	11/02/2012
Inspection Date:	01/21/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	114087
Update Date:	11/02/2012
Inspection Date:	07/26/2007
Violation Code:	6HV4306
Violation:	FULL SHARPS STORED > 30 DAYS AT >0C
Violation Citation:	Storage time exceeded for full sharps container(s), stored greater than 30 days at greater than 0C room temperatures. 118285(c)
Activity:	ACTIVE

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15 **SDUSD-TRANSPORTATION BASE 1** **CA LUST** **S104574263**
2351 CARDINAL LN **CA SLIC** **N/A**
SAN DIEGO, CA 92123

LUST:

Region:	STATE
Global Id:	T0607302474
Latitude:	32.7873433
Longitude:	-117.1601207
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/24/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3704
LOC Case Number:	H14087-003
File Location:	Local Agency

SDUSD-TRANSPORTATION BASE 1 (Continued) **S104574263**

Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302474
Status: Completed - Case Closed
Status Date: 12/24/2003

Global Id: T0607302474
Status: Open - Case Begin Date
Status Date: 08/05/1998

Regulatory Activities:
Global Id: T0607302474
Action Type: Other
Date: 08/05/1998
Action: Leak Began

Global Id: T0607302474
Action Type: Other
Date: 08/05/1998
Action: Leak Discovery

Global Id: T0607302474
Action Type: ENFORCEMENT
Date: 08/15/2003
Action: Notice of Violation

Global Id: T0607302474
Action Type: Other
Date: 08/05/1998
Action: Leak Stopped

Global Id: T0607302474
Action Type: Other
Date: 08/26/1998
Action: Leak Reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/05/1988
Global Id: T0608128740
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H14087-001
Latitude: 32.789399
Longitude: -117.159064
Case Type: Cleanup Program Site
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported

SDUSD-TRANSPORTATION BASE 1 (Continued) **S104574263**

Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/23/1989
Global Id: T0608144499
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H14087-002
Latitude: 32.789399
Longitude: -117.159064
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

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16 **ERNS** **2005627712**

9955 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006809043**

9966 SAN DIEGO MISSION RD **N/A**
SAN DIEFO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **SHELL OIL PRODUCTS US-SAN DIEGO TERMINAL** **CA HAZNET** **S112998743**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112998743
Year: 2010
GEPAID: CAD000626127
Contact: RAY WALDING
Telephone: 7132417008
Mailing Name: Not reported
Mailing Address: PO BOX 2648

SHELL OIL PRODUCTS US-SAN DIEGO TERMINAL (Continued) **S112998743**

Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	San Diego

envid:	S112998743
Year:	2010
GEPAID:	CAD000626127
Contact:	RAY WALDING
Telephone:	7132417008
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	San Diego

envid:	S112998743
Year:	2009
GEPAID:	CAD000626127
Contact:	RAY WALDING
Telephone:	7132417008
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Facility County:	San Diego

envid:	S112998743
Year:	2009
GEPAID:	CAD000626127
Contact:	RAY WALDING
Telephone:	7132417008
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

SHELL OIL PRODUCTS US-SAN DIEGO TERMINAL (Continued) **S112998743**

(H010-H129) Or (H131-H135)
Tons: 0.125
Facility County: San Diego

envid: S112998743
Year: 2008
GEPAID: CAD000626127
Contact: SONDRA BIENVENU
Telephone: 7132415036
Mailing Name: Not reported
Mailing Address: PO BOX 2648
Mailing City,St,Zip: HOUSTON, TX 772522648
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.15
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
135 additional CA_HAZNET: record(s) in the EDR Site Report.

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16 **SHELL OIL PROD US EQUILON SAN** **CA NPDES** **S117710634**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 9
Regulatory Measure Id: 218642
Order No: Not reported
Regulatory Measure Type: Industrial
Place Id: Not reported
WDID: 9 37I014499
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 07/06/2010
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 05/09/2008
PROCESSED DATE: 08/20/1998
STATUS CODE NAME: Terminated
STATUS DATE: 09/09/2010
PLACE SIZE: 3
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Matt Meledez
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: 619-283-2243
FACILITY CONTACT PHONE EXT: Not reported

SHELL OIL PROD US EQUILON SAN (Continued) **S117710634**

FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Shell Oil Product US
OPERATOR ADDRESS:	1509 South River Road
OPERATOR CITY:	West Sacramento
OPERATOR STATE:	California
OPERATOR ZIP:	95691
OPERATOR CONTACT NAME:	Frank Takahashi
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	310-816-2125
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-283-2243
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	5171-Petroleum Bulk Stations and Terminals
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

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16 **SHELL OIL PRODUCTS US** **CA EMI** **S106060423**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171

SHELL OIL PRODUCTS US (Continued) **S106060423**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.55
Reactive Organic Gases Tons/Yr:	8.55
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.47
Reactive Organic Gases Tons/Yr:	9.47
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.29
Reactive Organic Gases Tons/Yr:	9.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.25
Reactive Organic Gases Tons/Yr:	9.25
Carbon Monoxide Emissions Tons/Yr:	0

SHELL OIL PRODUCTS US (Continued) **S106060423**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.2200000000000006
Reactive Organic Gases Tons/Yr:	9.2200000000000006
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.25
Reactive Organic Gases Tons/Yr:	9.25
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.25
Reactive Organic Gases Tons/Yr:	9.25
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

16 **EQUILON ENTERPRISES LLC** **CA EMI** **S104573752**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD

EQUILON ENTERPRISES LLC (Continued) **S104573752**

Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12
Reactive Organic Gases Tons/Yr:	12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

EQUILON ENTERPRISES LLC (Continued) **S104573752**

Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.88999143
Reactive Organic Gases Tons/Yr:	8.88999143
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

EQUILON ENTERPRISES LLC (Continued) **S104573752**

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	2010
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.62
Reactive Organic Gases Tons/Yr:	7.62
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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16 **TEXACO INC. TERMINAL** **CA HIST UST** **U001572773**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000035831
Facility Type:	Other
Other Type:	PETROLEUM
Contact Name:	JOHN ELLIOTT
Telephone:	6192836191
Owner Name:	EXXON CO. USA
Owner Address:	3410 E. SECOND ST.
Owner City,St,Zip:	BENICIA, CA 94510
Total Tanks:	0001
Tank Num:	001
Container Num:	EXN-1
Year Installed:	1981
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

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16 **TEXACO USA (TERMINAL)** **CA RGA LUST** **S114700883**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

RGA LUST:

2009	TEXACO USA (TERMINAL)	9966 SAN DIEGO MISSION RD
2008	TEXACO USA (TERMINAL)	9966 SAN DIEGO MISSION RD
2007	TEXACO USA (TERMINAL)	9966 SAN DIEGO MISSION RD
2007	TEXACO USA (TERMINAL)	9966 SAN DIEGO MISSION RD
2006	TEXACO USA (TERMINAL)	9966 SAN DIEGO MISSION RD
2005	TEXACO USA (TERMINAL)	9966 SAN DIEGO MISSION RD

16 **TEXACO/SAN DIEGO MISSION RD** **CA RGA LUST** **S114701117**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

RGA LUST:

2003 TEXACO/SAN DIEGO MISSION RD 9966 SAN DIEGO MISSION RD

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16 **TEXACO USA (TERMINAL)** **CA UST** **U003789155**
9966 SAN DIEGO MISSION RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

UST:

Facility ID:	H04507
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.788556
Longitude:	-117.114489

SWEEPS UST:

Status:	Active
Comp Number:	4507
Number:	9
Board Of Equalization:	44-000217
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004507-000004
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

Status:	Not reported
Comp Number:	4507
Number:	Not reported
Board Of Equalization:	44-000217
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004507-000001
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	4

Status:	Not reported
Comp Number:	4507
Number:	Not reported

TEXACO USA (TERMINAL) (Continued) **U003789155**

Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004507-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4507
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004507-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4507
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004507-000005
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 104507
Business Type: 6HK78
EPA Id Number: CAD000626127
APN: 433-240-15-00
Last HMMD Inspection: 10/23/2009
Permit Status: INAC
Permit Expiration: 02/28/2011
Facility Owner: EQUILON ENTERPRISES

TEXACO USA (TERMINAL) (Continued) **U003789155**

Facility Address:	9966 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	EQUILON ENTERPRISES
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104507 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	8000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1991-12-20 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104507 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63002
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1963-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104507 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63001
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1963-01-01 00:00:00

TEXACO USA (TERMINAL) (Continued) **U003789155**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 104507 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63003
Capacity Gallons:	1200
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104507 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63004
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1991-12-20 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104507 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	UNKNOWN
Additional Id:	NT1799
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1994-10-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

TEXACO USA (TERMINAL) (Continued) **U003789155**

UST Name:	UNDERGROUND TANK 104507 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	UNKNOWN
Additional Id:	NT1799
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1994-10-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104507 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	DOUBLE WALL
Additional Id:	NT1799 / OIL BEARING MATERIAL / RT3688
Capacity Gallons:	10000
UST Contents:	OTHER
Other Content Info:	GASOLINE ADDITIVE & WATER
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1994-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Violations Inactive Permits:

Facility Id:	104507
Update Date:	11/02/2012
Inspection Date:	04/10/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

Facility Id:	104507
Update Date:	11/02/2012
Inspection Date:	04/10/2006
Violation Code:	6HV1603
Violation:	NO 2ND CONTAINMENT FOR HW TANK
Violation Citation:	Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity:	Inactive Permit

Facility Id:	104507
Update Date:	11/02/2012
Inspection Date:	04/10/2006
Violation Code:	6HV3254

TEXACO USA (TERMINAL) (Continued) **U003789155**

Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	Inactive Permit

Facility Id:	104507
Business Type:	6HK78
EPA Id Number:	CAD000626127
APN:	433-240-15-00
Last HMMD Inspection:	10/23/2009
Permit Status:	INAC
Permit Expiration:	02/28/2011
Facility Owner:	EQUILON ENTERPRISES
Facility Address:	9966 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	EQUILON ENTERPRISES
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104507 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	8000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1991-12-20 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104507 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63002
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1963-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90

TEXACO USA (TERMINAL) (Continued) **U003789155**

UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 104507 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63001
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1963-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 104507 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63003
Capacity Gallons:	1200
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104507 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	SINGLE WALL
Additional Id:	63004
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1991-12-20 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104507 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	104507

TEXACO USA (TERMINAL) (Continued) **U003789155**

Tank Type:	UNKNOWN
Additional Id:	NT1799
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1994-10-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104507 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	UNKNOWN
Additional Id:	NT1799
Capacity Gallons:	12000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1994-10-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104507 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	104507
Tank Type:	DOUBLE WALL
Additional Id:	NT1799 / OIL BEARING MATERIAL / RT3688
Capacity Gallons:	10000
UST Contents:	OTHER
Other Content Info:	GASOLINE ADDITIVE & WATER
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1994-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Violations Inactive Permits:

Facility Id:	104507
Update Date:	11/02/2012
Inspection Date:	04/10/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

TEXACO USA (TERMINAL) (Continued) **U003789155**

Facility Id:	104507
Update Date:	11/02/2012
Inspection Date:	04/10/2006
Violation Code:	6HV1603
Violation:	NO 2ND CONTAINMENT FOR HW TANK
Violation Citation:	Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity:	Inactive Permit

Facility Id:	104507
Update Date:	11/02/2012
Inspection Date:	04/10/2006
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	Inactive Permit

SAN DIEGO CO. SAM:

Case Number:	H04507-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	4/26/2001
Date Began:	4/26/2001

Case Number:	H04507-001
Agency:	CA Regional Water Quality Control Board
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	1/1/1990
Date Began:	7/1/1986

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16 **TEXACO USA SALES TERMINAL** **CA RGA LUST** **S114700886**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

RGA LUST:

1995	TEXACO USA SALES TERMINAL	9966 SAN DIEGO MISSION RD
1994	TEXACO USA SALES TERMINAL	9966 SAN DIEGO MISSION RD
1993	TEXACO USA SALES TERMINAL	9966 SAN DIEGO MISSION RD
1992	TEXACO USA SALES TERMINAL	9966 SAN DIEGO MISSION RD

16 **EDR US Hist Auto Stat** **1015690676**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	TEXACO REFINING & MARKETING INCORPORATED
Year:	1999
Address:	9966 SAN DIEGO MISSION RD
Name:	TEXACO REFINING & MARKETING INCORPORATED
Year:	2000
Address:	9966 SAN DIEGO MISSION RD
Name:	TEXACO REFINING & MARKETING INC
Year:	2006
Address:	9966 SAN DIEGO MISSION RD
Name:	TEXACO
Year:	2010
Address:	9966 SAN DIEGO MISSION RD
Name:	TEXACO
Year:	2011
Address:	9966 SAN DIEGO MISSION RD
Name:	TEXACO
Year:	2012
Address:	9966 SAN DIEGO MISSION RD

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16 **ERNS** **2008902868**
9966 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **HMIRS** **91050780**
9966 SAN DIEGO MISSION RD SAN **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

16 EQUILON SAN DIEGO TERMINAL
9966 SAN DIEGO MISSION ROAD
SAN DIEGO, CA 92108

RCRA-SQG 1000144770
FINDS CAD000626127
CA LUST
CA SLIC
CA HIST UST

RCRA-SQG:

Date form received by agency:	07/20/2010
Facility name:	SHELL OIL PRODUCTS US SAN DIEGO TERMINAL
Facility address:	9966 SAN DIEGO MISSION RD SAN DIEGO, CA 92108
EPA ID:	CAD000626127
Mailing address:	PO BOX 2648 HOUSTON, TX 77252 2648
Contact:	RAY WALDING
Contact address:	PO BOX 2648 HOUSTON, TX 77252 2648
Contact country:	US
Contact telephone:	713-241-7008
Contact email:	RAY.WALDING@SHELL.COM
EPA Region:	09
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EQUILON ENTERPRISES LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/01/1998
Owner/Op end date:	Not reported

Owner/operator name:	EQUILON ENTERPRISES LLC
Owner/operator address:	PO BOX 2648 HOUSTON, TX 77252
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/01/1998
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

EQUILON SAN DIEGO TERMINAL (Continued) **1000144770**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 03/19/2010
Site name: SHELL OIL PRODUCTS US SAN DIEGO TERMINAL
Classification: Not a generator, verified

Date form received by agency: 11/17/2009
Site name: SHELL OIL PRODUCTS US SAN DIEGO TERMINAL
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/18/2008
Site name: SHELL OIL PRODUCTS US - SAN DIEGO TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

EQUILON SAN DIEGO TERMINAL (Continued) **1000144770**

Date form received by agency: 01/30/2007
Site name: SHELL OIL PRODUCTS US SAN DIEGO TERMIN
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/16/2006
Site name: SHELL OIL PRODUCTS US - SAN DIEGO TERMIN
Classification: Large Quantity Generator

. Waste code: 133
. Waste name: 133

. Waste code: 725
. Waste name: 725

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/19/2004
Site name: SHELL OIL PRODUCTS US-SAN DIEGO TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/27/2002
Site name: EQUILON ENTERPRISES LLC (SAN DIEGO TER)
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: TEXACO SAN DIEGO SALES TERMINAL
Classification: Large Quantity Generator

Date form received by agency: 07/30/1998

EQUILON SAN DIEGO TERMINAL (Continued) **1000144770**

Site name: EQUILON SAN DIEGO SALES TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 09/01/1996
Site name: EQUILON SAN DIEGO SALES TERMINAL
Classification: Large Quantity Generator

Date form received by agency: 02/29/1996
Site name: TEXACO REFINING AND MARKETING, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/11/1994
Site name: TEXACO REFINING AND MARKETING, INC
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: TEXACO REFINING AND MARKETING, INC. SAN
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/10/2006
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/10/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/10/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 04/09/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

EQUILON SAN DIEGO TERMINAL (Continued) **1000144770**

FINDS:

Registry ID: 110000478778

Environmental Interest/Information System
FRP

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

LUST REG 9:

Region:	9
Status:	Post remedial action monitoring
Case Number:	9UT542
Local Case:	H04507-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Pump and Treat Ground Water - generally employed to remove dissolved contaminants
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	New Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/01/1986
Date Stopped:	07/01/1986
Confirm Date:	07/01/1986
Submit Workplan:	Not reported
Prelim Assess:	04/06/1987
Desc Pollution:	Not reported
Remed Plan:	12/05/1988
Remed Action:	1/1/90
Began Monitor:	7/10/95
Release Date:	07/01/1986
Enforce Date:	7/2/86

EQUILON SAN DIEGO TERMINAL (Continued) **1000144770**

Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/26/2001
Global Id: T0608182474
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H04507-002
Latitude: 32.787193
Longitude: -117.115924
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:
Region: STATE
Facility ID: 00000033190
Facility Type: Other
Other Type: TERMINAL
Contact Name: J.H. ELLIOTT
Telephone: 6192836191
Owner Name: TEXACO USA
Owner Address: P.O. BOX 3756 - 3550 WILSHIRE
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1974
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: 3/16
Leak Detection: Stock Inventor, None

Tank Num: 002
Container Num: 63002

EQUILON SAN DIEGO TERMINAL (Continued) **1000144770**

Year Installed:	1963
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	10
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	63001
Year Installed:	1963
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	10
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	004
Container Num:	63003
Year Installed:	1963
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	005
Container Num:	63004
Year Installed:	1968
Tank Capacity:	00004000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None

---

16 **ERNS** **2009902868**

9966 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **92256106**

9966 SAN DIEGO MISSIN RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 **ERNS** **2008874436**
9966 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **EQUILON SAN DIEGO TERMINAL** **CA WDS** **S105692925**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

WDS:

Facility ID:	San Diego 37I014499
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	SHELL OIL PRODUCTS US
Agency Address:	3611 S HARBOR BLVD STE 160
Agency City,St,Zip:	SANTA ANA 92799
Agency Contact:	JOE LENTINI
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

16 **ERNS** **92258353**
9966 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **KINDER MORGAN MISSION VALLEY TERMINAL SOUTH** **FINDS** **1016418860**
9960 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110055650530

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

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16 **CA CHMIRS** **S109041256**
9950 SAN DIEGO MISSION ROAD/PIPELINE TERMINAL FACILITY **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	06-2230
OES notification:	04/12/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

(Continued) **S109041256**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	4/12/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Transmix/Gasoline/Diesel
Gallons:	0.000000
Sheen:	10
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Possible seal on a pump failed. Leak contained within a containment area.

16 **POWERINE OIL CO** **CA EMI** **S106837615**
9950 SAN DIEGO MISSION **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	1987
County Code:	37
Air Basin:	SD
Facility ID:	211
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	26
Reactive Organic Gases Tons/Yr:	26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	211
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	211
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	37
Air Basin:	SD

POWERINE OIL CO (Continued) **S106837615**

Facility ID:	211
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	211
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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16 **CA CHMIRS** **S108403917**

RACK 1 EAST / 9950 SAN DIEGO MISSION RD. **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	05-3862
OES notification:	06/29/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

(Continued) **S108403917**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	6/29/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	12
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The release is a 12 foot diameter stain on asphalt, due to a truck overload at a truck loading and unloading facility.

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16 **CA CHMIRS** **S108405504**

MISSION VALLEY TERMINAL @ 9950 SAN DIEGO MISSION RD. **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	05-5850
OES notification:	10/10/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**

(Continued) **S108405504**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	10/10/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Ethanol
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

(Continued) **S108405504**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per fax from the NRC: A pipe on a tanker truck leaked material onto the asphalt due to equipment failure. Clean up underway.

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16 **CA CHMIRS** **S109041513**

OUTSIDE TERMINAL NEAR 9950 SAN DIEGO MISSION RD. MISSION VAL **N/A**
UNINCORPORATED COUNTY AREA, CA 92108

CHMIRS:

OES Incident Number:	06-0245
OES notification:	01/10/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	None
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan San Diego
Incident Date:	1/10/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other

(Continued) **S109041513**

E Date:	Not reported
Substance:	Waste Water
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A crack in the containment berm allowed this release.

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16 **CA CHMIRS** **S108403923**

LOADING RACK 2 / 9950 SAN DIEGO MISSION RD. **N/A**
SAN DIEGO, CA 92868

CHMIRS:

OES Incident Number:	05-3871
OES notification:	06/29/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported

(Continued) **S108403923**

Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	6/29/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Sheen:	3
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Spilled during maintenance, while depressurizing the loading head. A mist covering a 3' area was released. This is at a pipeline/tank farm facility.

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16 **S D PIPELINE COMPANY** **CA EMI** **S106838652**
9950 SAN DIEGO MISSION **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	1987
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	549
Reactive Organic Gases Tons/Yr:	539
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

S D PIPELINE COMPANY (Continued) **S106838652**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

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16 **CA CHMIRS** **S105677937**
9950 MISSION ROAD **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	01-0061
OES notification:	01/04/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Kinder Morgan
Incident Date:	1/4/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Turbine Jet Fuel
Gallons:	2

(Continued) **S105677937**

Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Prover 4 way valve leaked, causing jet fuel to spill.

---

16 **ERNS** **2008864228**

9950 SAN DIEGO MISSION RD. **N/A**
MISSION VALLEY, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2007329521**

9950 SAN DIEGO MISSION ROAD **N/A**
CARSON, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **CA CHMIRS** **S108405505**

9950 SAN DIEGO MISSIO RD **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	05-5851
OES notification:	10/10/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

(Continued) **S108405505**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	10/10/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Engine Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, cause of release is unknown. A trail of oil 2 inches by 20 feet was discovered on the ground.

16 **CA CHMIRS** **S108405416**
N/A

MISSION VALLEY TERMINAL / 9950 SAN DIEGO MISSION RD.
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	05-5739
OES notification:	10/04/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan, San Diego Mission Valley Terminal
Incident Date:	10/4/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Carbon Filter Water
Gallons:	0.000000
Unknown:	9
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S108405416**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	There is a stain on the ground that is 9 x 20 feet. Released while pumping out a truck and line broke at the terminal.

---

16 **CA CHMIRS** **S105642580**

9950 SAN DIEGO MISSION DR. **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	006087
OES notification:	Not reported
OES Date:	1/9/1995
OES Time:	08:25:09 PM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	san diego river creek
Spill Site:	Not reported
Cleanup By:	santa fe pacific pipeline
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported

(Continued) **S105642580**

Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	santa fe pacific pipeline
Incident Date:	1/9/95 1600
Admin Agency:	Not reported
Amount:	10 - 15 gallons
Contained:	YES
Site Type:	Not reported
E Date:	Not reported
Substance:	turbine fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	slow leak during repair of discharge line.

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16 **ERNS** **94407376**

9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2010936701**

9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 | **ERNS** | **2014085650**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

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16 | **ERNS** | **91210039**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

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16 | **ERNS** | **2011969697**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

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16 **EQUILON MISSION VALLEY TERMINA** | **CA WDS** | **S100277335**
9950 SAN DIEGO MISSION ROAD | **CA CHMIRS** | **N/A**
SAN DIEGO, CA 92108

WDS:

Facility ID:	San Diego 37I015590
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	SHELL OIL PRODUCTS US
Agency Address:	3611 S HARBOR BLVD STE 160
Agency City,St,Zip:	SANTA ANA 92799
Agency Contact:	JOE LENTINI
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CHMIRS:

OES Incident Number:	05-3859
OES notification:	06/29/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	6/29/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Diesel Fuel
Gallons:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	An o ring went bad, filled a bucket up and overflowed. It is inside of a structurally engineered containment area but there are cracks in this area.
OES Incident Number:	05-7301
OES notification:	12/19/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	12/19/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller advised that he observed a wet spot in the dirt alongside a fuel pipe,
OES Incident Number:	9115752
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	07-MAR-91
Date Completed:	**07-MAR-09**
Property Use:	800
Agency Id Number:	37140

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Agency Incident Number:	44506
Time Notified:	914
Time Completed:	1201
Surrounding Area:	800
Estimated Temperature:	70
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	TIMOTHY THORPE
Report Date:	07-MAR-91
Facility Telephone:	619 533-4300
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	17-JUN-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Description:	Not reported
OES Incident Number:	06-0521
OES notification:	01/23/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	1/23/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	hydrocarbons
Gallons:	1-2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Third party release. A bucket containing hydrocarbons was knocked over at their truck parking lot.
OES Incident Number:	05-6449
OES notification:	11/08/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	11/8/200512:00:00 AM

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Other
E Date:	Not reported
Substance:	Tracer
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Potential release of trace amounts. Testing was being conducted and a trace amount was detected. No further information.
OES Incident Number:	06-0435
OES notification:	01/18/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	1/18/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller advised that a trail was discovered, unknown exact amount, however there was a trail that measured 4ft long by 45 inch wide.
OES Incident Number:	06-0118
OES notification:	01/04/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	1/4/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Pints:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A valve stuck open on a Company truck.
OES Incident Number:	07-6630
OES notification:	10/29/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan Energy
Incident Date:	10/29/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Diesel
Gallons:	Unknown
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Fatals:	Not reported
Comments:	Not reported
Description:	Caller states that after doing some pressure testing on a line, the pressure did not hold and resulted in the release of substance out of a 1 inch hose. In addition, the spill size is 10 feet by 1 feet.
OES Incident Number:	07-0837
OES notification:	02/07/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	no
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	2/7/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	0

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Transfer of fuel from one tank to another and the truck driver spilled a small amount of fuel on the dirt.
OES Incident Number:	06-3446
OES notification:	06/09/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	6/9/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Gasoline
Gallons:	2.5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Driver poured gasoline on the ground.
OES Incident Number:	06-2798
OES notification:	05/09/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	5/9/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	No
Site Type:	Other
E Date:	Not reported
Substance:	hydrocarbons
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Well water is being monitored for possible hydrocarbon contamination.
OES Incident Number:	06-0480
OES notification:	01/20/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	1/20/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Oil
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A truck filter was left loose and leaked a 1 ft diameter area.
OES Incident Number:	07-2570
OES notification:	04/27/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	4/27/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Diesel
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	04/27/07 at 1758 hours, a truck driver filling his tanker truck had the pump meter fail and overfill the tank, spilling diesel fuel onto the asphalt.
OES Incident Number:	07-1847
OES notification:	03/23/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder-Morgan
Incident Date:	3/23/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Water and Jet fuel
Gallons:	0.000000

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Unknown:	5
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: Crew off loading from truck to a tank.
OES Incident Number:	05-4574
OES notification:	08/03/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	8/3/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Ethanol
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released when the driver disconnected the hose. Absorbent pads have been applied.
OES Incident Number:	07-7047
OES notification:	11/14/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	11/14/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Diesel
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During pressure test about 2 gallons spilled from a valve onto gravel. Not reported
OES Incident Number:	07-0354
OES notification:	01/17/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	N/A
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder-Morgan Energy
Incident Date:	1/17/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Regular Gasoline
Gallons:	10
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Broken seal on a pump on a petroleum pipeline in a tank farm. NRC is the contractor doing the cleanup
OES Incident Number:	05-3692
OES notification:	06/20/2005
OES Date:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	6/20/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Gasoline
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller advised off loading transmix , residual product left in hose spilled on the ground
OES Incident Number:	07-1551
OES notification:	03/11/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	3/11/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Substance:	Gasoline
Gallons:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/11/07 at 0835 hours, a bleeder valve on piping was open and splashed fuel out of the retaining funnel. The spill is in a dyked area.
OES Incident Number:	07-1367
OES notification:	03/03/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	No
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	3/3/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Oil
Gallons:	0.000000
Quarts:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/03/07 at 0900 hours, Reservoir for a pump leaked about a quart of oil onto a concrete footing and the dirt around it.
OES Incident Number:	06-5869
OES notification:	10/03/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

EQUILON MISSION VALLEY TERMINA (Continued) **S100277335**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	10/3/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Contaminated Water
Gallons:	10'x10'
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Water being treated from undergound wells. Hose failure, hose split, spraying water on dirt.

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16 **CA CHMIRS** **S105671991**

9950 SAN DIEGO MISSION RD. **N/A**
SAN DIEGO, CA 92868

CHMIRS:

OES Incident Number:	05-3892
OES notification:	06/30/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**

(Continued) **S105671991**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	6/30/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	3
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

(Continued) **S105671991**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A 3-foot diameter circle was spilled when a driver overfilled his compartment. This occurred at the tank farm.
OES Incident Number:	06-3710
OES notification:	06/22/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan San Diego
Incident Date:	6/22/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Additive AP297-15
Gallons:	1
Unknown:	0

(Continued) **S105671991**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Driver off loaded product. At the end of off loading, driver was unhooking a hose which product escaped from.
OES Incident Number:	05-4110
OES notification:	07/12/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

(Continued) **S105671991**

Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan Energy
Incident Date:	7/12/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Oil Field
E Date:	Not reported
Substance:	Ethanol
Gallons:	0.000000
Ounces:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	An off load hose leaked ethanol when it was unhooked.
OES Incident Number:	05-3986
OES notification:	07/05/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

(Continued) **S105671991**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	7/5/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	1
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	There is a one-foot diameter stain on the ground. Released from a leaking flange in a tank farm.
OES Incident Number:	01-5266
OES notification:	09/16/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

(Continued) **S105671991**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Kinder Morgan
Incident Date:	9/16/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Gasoline
Gallons:	50
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The valve on a truck stayed open after the dry break. The driver's clothing was sprayed with gasoline.
OES Incident Number:	05-3775
OES notification:	06/24/2005
OES Date:	Not reported

(Continued) **S105671991**

OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan Energy Dept.
Incident Date:	6/24/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	10
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

(Continued) **S105671991**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	There is a 10’ x 8’ stain. A scully system did not work on the truck at a gasoline storage facility.
OES Incident Number:	05-6248
OES notification:	10/28/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	10/28/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported

(Continued) **S105671991**

Substance:	Engine Oil
Gallons:	0.000000
Sheen:	3
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A 3' circle stain was noticed on the ground, unknown cause, at the fuel facility.
OES Incident Number:	06-6722
OES notification:	11/13/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported

(Continued) **S105671991**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	11/13/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Diesel Fuel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown amount released causing a 3 X 5 stain on asphalt. During repair of the loading docks, the substance sprayed onto concrete. Location is a tank farm.
OES Incident Number:	07-4317
OES notification:	07/19/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

(Continued) **S105671991**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	7/19/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Gasoline Additive
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a 4 foot by 3 Foot stain on the floor.
OES Incident Number:	05-4575
OES notification:	08/03/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

(Continued) **S105671991**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	8/3/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Ethanol
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The release id from a tanker truck with a disconnected hose.

(Continued) **S105671991**

OES Incident Number:	06-4398
OES notification:	07/25/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	7/25/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Oil Field
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported

(Continued) **S105671991**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a spill of diesel from a truck that is covering an area of 3 feet by 4 feet in the dirt.
OES Incident Number:	05-2568
OES notification:	04/29/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	4/29/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported

(Continued) **S105671991**

Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Water/Hydrocarbon
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Stain on floor from a weep hole in a mediation tank.
OES Incident Number:	05-4008
OES notification:	07/06/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor

(Continued) **S105671991**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	7/6/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Engine Oil
Gallons:	0.000000
Pints:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A loose engine part caused the release.
OES Incident Number:	06-0817
OES notification:	02/07/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

(Continued) **S105671991**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	2/7/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Diesel Fuel
Gallons:	0.000000
Ounces:	4
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Fuel came from truck due to driver error.

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16 **CA CHMIRS S103953500**

9950 SAN DIEGO MISSION ROAD **CA ENF N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	'08-8175
OES notification:	11/13/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**

(Continued) **S103953500**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Road
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1451
Year:	2008
Agency:	Kinder Morgan
Incident Date:	11/13/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	100ft x 12
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

(Continued) **S103953500**

Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Driver left cap off the gas saddle tank and fuel spilled
OES Incident Number:	'08-3578
OES notification:	05/18/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	0135
Year:	2008
Agency:	Kinder-Morgan
Incident Date:	5/18/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	20' x 5'
Unknown:	Not reported
Substance #2:	Not reported

(Continued) **S103953500**

Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Looks like a possible pump seal or flange is leaking. There is a 20' x 5' wet spot on the ground in the area of the pump seal and flange.
OES Incident Number:	'08-2954
OES notification:	04/21/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1430

(Continued) **S103953500**

Year:	2008
Agency:	Kinder Morgan Remediation
Incident Date:	4/21/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	water, possible hydro carbons
Quantity Released:	30
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: While lifting a garbage can the material came out and went onto the soil.
OES Incident Number:	'08-1200
OES notification:	02/08/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

(Continued) **S103953500**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1745
Year:	2008
Agency:	Kinder Morgan
Incident Date:	2/8/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	.25
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The fuel cap on a big rig was unintentionally left open by the operator, causing a splash of fuel to the pavement.
OES Incident Number:	'08-4982
OES notification:	07/08/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

(Continued) **S103953500**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Sheen
Other:	Not reported
Date/Time:	0736
Year:	2008
Agency:	Kinder Morgan
Incident Date:	7/8/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	1 ft x 3 i
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: A beaker was left open during a line shut down, resulting in the release from a 10 inch pipeline. The release is a stain rather than a sheen.

ENF:

Region:	9
Facility Id:	240988

(Continued) **S103953500**

Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.505
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	213854
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2008-0002
Npdes# CA#:	CAG919002
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/01/2013
Effective Date:	03/13/1992
Expiration/Review Date:	10/09/2001
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported

(Continued) **S103953500**

Status Enrollee:	Y
Individual/General:	I
Fee Code:	61 - Require treatment to meet non priority limit Category 2
Direction/Voice:	Passive
Enforcement Id(EID):	381533
Region:	9
Order / Resolution Number:	R9-2011-0052
Enforcement Action Type:	Time Schedule Order
Effective Date:	Not reported
Adoption/Issuance Date:	09/14/2011
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Time Schedule Order No. R9-2011-0052
Description:	Time Schedule Order No. R9-2011-0052 fo Kinder Morgan Mission Valley Terminals Groundwater Dewatering Project to meet total dissolved solids receiving water limitations
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.505
Threat To Water Quality:	3
Complexity:	A

(Continued) **S103953500**

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	213854
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2008-0002
Npdes# CA#:	CAG919002
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/01/2013
Effective Date:	03/13/1992
Expiration/Review Date:	10/09/2001
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	61 - Require treatment to meet non priority limit Category 2
Direction/Voice:	Passive
Enforcement Id(EID):	355710
Region:	9
Order / Resolution Number:	R9-2008-0134
Enforcement Action Type:	Admin Civil Liability
Effective Date:	12/10/2008
Adoption/Issuance Date:	12/10/2008
Achieve Date:	3/9/2009
Termination Date:	Not reported
ACL Issuance Date:	06/06/2008
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACL Order No. R9-2008-0134 Mission Valley Terminal, for Complaint R9-2008-0046
Description:	$220,00 in mandatory and Discretionary penalty for VIOLATIONS OF EFFLUENT LIMITATIONS IN ORDER NO. 2001-96. Supercedes ACL Complaint R9-2008-0046
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	3/9/2009
# Of Programs1:	1
Total Assessment Amount:	205,400.00
Initial Assessed Amount:	229,000.00

(Continued) **S103953500**

Liability $ Amount:	205,400.00
Project $ Amount:	0.00
Liability $ Paid:	205,400.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	205,400.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.505
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	213854
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2008-0002
Npdes# CA#:	CAG919002
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/01/2013
Effective Date:	03/13/1992

(Continued) **S103953500**

Expiration/Review Date:	10/09/2001
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	61 - Require treatment to meet non priority limit Category 2
Direction/Voice:	Passive
Enforcement Id(EID):	343514
Region:	9
Order / Resolution Number:	R9-2008-0046
Enforcement Action Type:	Admin Civil Liability
Effective Date:	06/06/2008
Adoption/Issuance Date:	06/06/2008
Achieve Date:	Not reported
Termination Date:	12/09/2008
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Superceded
Title:	Complaint No. R9-2008-0046 for ACL with MMPs - Mission Valley Terminal
Description:	VIOLATIONS OF EFFLUENT LIMITATIONS IN ORDER NO. 2001-96. Superceded by ACL Order R9-2008-0134
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

(Continued) **S103953500**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.505
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	213854
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2008-0002
Npdes# CA#:	CAG919002
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/01/2013
Effective Date:	03/13/1992
Expiration/Review Date:	10/09/2001
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	61 - Require treatment to meet non priority limit Category 2
Direction/Voice:	Passive
Enforcement Id(EID):	256554
Region:	9
Order / Resolution Number:	R9-2005-0171
Enforcement Action Type:	Notice of Violation
Effective Date:	05/17/2005
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	05/17/2005
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV for violations 200851, 200852, 200853, and 200854. Chronic toxicity data missing,exceeds limitations, and for

(Continued) **S103953500**

	selenium violations.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.505
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	213854
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2008-0002
Npdes# CA#:	CAG919002
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No

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Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/01/2013
Effective Date:	03/13/1992
Expiration/Review Date:	10/09/2001
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	61 - Require treatment to meet non priority limit Category 2
Direction/Voice:	Passive
Enforcement Id(EID):	245652
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	01/07/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/07/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for exceedances of chronic toxicity limits specified in Order No. 2001-96.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

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SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.505
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	213854
Reg Measure Type:	Enrollee
Region:	9
Order #:	R9-2008-0002
Npdes# CA#:	CAG919002
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/01/2013
Effective Date:	03/13/1992
Expiration/Review Date:	10/09/2001
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	61 - Require treatment to meet non priority limit Category 2
Direction/Voice:	Passive
Enforcement Id(EID):	244272
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	03/20/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/20/2003

(Continued) **S103953500**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for the violations effluent limitations for acute and chronic toxicity.
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.505
Threat To Water Quality:	3
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Contaminated ground water
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDNONMUNIPRCS
Program Category1:	NPDESWW
Program Category2:	NPDESWW
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	213854
Reg Measure Type:	Enrollee
Region:	9

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Order #:	R9-2008-0002
Npdes# CA#:	CAG919002
Major-Minor:	Minor
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	08/01/2013
Effective Date:	03/13/1992
Expiration/Review Date:	10/09/2001
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	61 - Require treatment to meet non priority limit Category 2
Direction/Voice:	Passive
Enforcement Id(EID):	239095
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	12/18/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/18/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	Not reported
Program:	NPDNONMUNIPRCS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189

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SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	251931
Region:	9
Order / Resolution Number:	R9-2004-0101
Enforcement Action Type:	Admin Civil Liability

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Effective Date:	05/12/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	$3,000 ACL MMP Complaint issued to discharger for selenium exceedance (11 micrograms/L) of the average monthly effluent limitation of 5 micrograms/L sometime between 15 October 2001 and 31 December 2001.
Program:	DISCHSW
Latest Milestone Completion Date:	3/24/2004
# Of Programs1:	1
Total Assessment Amount:	3,000.00
Initial Assessed Amount:	0.00
Liability $ Amount:	3,000.00
Project $ Amount:	0.00
Liability $ Paid:	3,000.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	3,000.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS

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Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	251350
Region:	9
Order / Resolution Number:	R9-2004-0080
Enforcement Action Type:	Admin Civil Liability
Effective Date:	03/11/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000506
Description:	$3,000 ACL MMP Complaint issued to discharger for selenium exceedance (11 micrograms/L) of the average monthly effluent limitation of 5 micrograms/L sometime between 15 October 2001 and 31 December 2001.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9

(Continued) **S103953500**

Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported

(Continued) **S103953500**

WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	249615
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	08/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/06/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for May 2002 sample exceeding the daily maximum limits for acute and chronic toxicity.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported

(Continued) **S103953500**

Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	247948
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	09/25/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/25/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for submittal of incomplete report in July 2002.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00

(Continued) **S103953500**

Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported

(Continued) **S103953500**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	247202
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	09/30/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/30/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for July samples exceeding the discharge daily maximum effluent limit for chronic toxicity.
	Not reported
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

(Continued) **S103953500**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	246651
Region:	9
Order / Resolution Number:	R9-2002-0385
Enforcement Action Type:	Admin Civil Liability
Effective Date:	12/11/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	MMP Order issued to discharger samples exceeding the discharge effluent limits.
Program:	DISCHSW

(Continued) **S103953500**

Latest Milestone Completion Date:	6/23/2003
# Of Programs1:	1
Total Assessment Amount:	21,000.00
Initial Assessed Amount:	0.00
Liability $ Amount:	21,000.00
Project $ Amount:	0.00
Liability $ Paid:	21,000.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	21,000.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported

(Continued) **S103953500**

Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	246650
Region:	9
Order / Resolution Number:	R9-2002-0205
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/24/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000506
Description:	MMP Complaint issued to discharger samples exceeding the discharge effluent limits.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported

(Continued) **S103953500**

NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	244703
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	05/15/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

(Continued) **S103953500**

Status:	Withdrawn
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for March samples exceeding the discharge daily and instantaneous maximum effluent limits for acute and chronic toxicity.
Program:	DISCHSW
Latest Milestone Completion Date:	6/18/2003
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported

(Continued) **S103953500**

Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	244659
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/19/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for July, August, and September samples exceeding the discharge daily maximum effluent limit for chronic toxicity.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408

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Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	244411
Region:	9
Order / Resolution Number:	UNKNOWN

(Continued) **S103953500**

Enforcement Action Type:	Notice of Violation
Effective Date:	05/12/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for April samples exceeding the discharge daily and instantaneous maximum effluent limits for acute and chronic toxicity.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS

(Continued) **S103953500**

Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	244271
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	04/10/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	04/10/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for violation of effluent limitations - chronic
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP

(Continued) **S103953500**

Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N

(Continued) **S103953500**

Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	243096
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	07/03/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for May samples exceeding the discharge daily and instantaneous maximum effluent limits for acute and chronic toxicity.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported

(Continued) **S103953500**

Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	242099
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	05/07/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Withdrawn
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for March 2002 sample exceeding the discharge average monthly effluent and instantaneous maximum limits for total phosphorus.
Program:	DISCHSW
Latest Milestone Completion Date:	5/13/2003
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00

(Continued) **S103953500**

Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported

(Continued) **S103953500**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	242009
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	08/07/2003
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/07/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	NOV issued to discharger for exceedance of effluent limitations for acute and chronic toxicity.
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240988
Agency Name:	Kinder Morgan Energy Partners LP
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported

(Continued) **S103953500**

# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	DISCHSW
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000000506
Reg Measure Id:	162196
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	240373
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	02/21/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/21/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000506
Description:	The reported selenium concentration of 11mcg/l exceeded the discharge limit of 5 mcg/l during the 2nd semi-annual reporting period of 2001. Monitoring report failed to state the exact date of the sample, so the last day of the

(Continued) **S103953500**

	sampling period was assumed
Program:	DISCHSW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

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16 **CA CHMIRS** **S105632384**

MISSION VALLEY TERMINAL 9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	5807
OES notification:	Not reported
OES Date:	12/22/1994
OES Time:	01:39:23 PM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	creek
Spill Site:	Not reported
Cleanup By:	santa fe
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994

(Continued) **S105632384**

Agency:	santa fe pacific pipelines
Incident Date:	1200/22dec94
Admin Agency:	Not reported
Amount:	small unknown amt
Contained:	YES
Site Type:	PL
E Date:	Not reported
Substance:	jet fuel
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	valve at bottom of filtering system cracked open causing fuel to go to oily water separator and then pumped to creek booms being placed

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16 **9950 SAN DIEGO MISSION RD.** **HMIRS** **2013005660**
9950 SAN DIEGO MISSION RD. **N/A**
SAN DIEGO, CA 92105

Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

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16 **SFPP, LP/KINDER MORGAN** **CA HIST CORTESE** **S103994117**
9950 SAN DIEGO MISSION RD **CA CHMIRS** **N/A**
SAN DIEGO, CA 92108 **CA AST**
CA San Diego Co. HMMD
CA EMI

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000054N91

Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000055N91

Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Reg Id: 9 000056N91

Region: CORTESE
Facility County Code: 37
Reg By: WBC&D
Reg Id: 9 000057N91

CHMIRS:

OES Incident Number:	06-1820
OES notification:	03/28/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	3/28/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Gasoline

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released from a vacuum hose truck, due to the hose falling from the truck. Spill covered an area 5 Ft X 4 Ft.
OES Incident Number:	07-0514
OES notification:	01/23/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	1/23/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Other
E Date:	Not reported
Substance:	Oil
Gallons:	500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown leak in a water remediation system which is contained on site
OES Incident Number:	05-5310
OES notification:	09/13/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	9/13/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Diesel
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released from a product hose while draining.
OES Incident Number:	07-7642
OES notification:	12/11/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	12/11/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Ground Water
Gallons:	30
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A vault drum overfilled and released in the vault. Substance was totally contained within the vault.
OES Incident Number:	06-7108
OES notification:	12/01/2006
OES Date:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	12/1/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Diesel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released due to a pump leaking. Substance covered an area 10 ft X 20 Ft.
OES Incident Number:	05-6616
OES notification:	11/15/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	11/15/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Substance:	Threatened Release
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller during testing several hits where received off probes. Per caller they are digging around probes to see if any hydro carbons have been released.
OES Incident Number:	05-5846
OES notification:	10/10/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	10/10/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Ethanol
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, a leaking truck caused the release. causing a 1 foot by 1 foot stain.
OES Incident Number:	06-6500
OES notification:	11/02/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	11/2/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Water contaminated with Diesel
Gallons:	1/2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, a 3ft by 3ft area of water contaminated with Diesel, occurred when off loading a driver, the hose came out of the sump hole.
OES Incident Number:	06-2476
OES notification:	04/25/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	4/25/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pressure had built in a hose causing it to disconnect and a release

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

to occur.

OES Incident Number:	06-0999
OES notification:	02/16/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	2/16/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Carbon Filter Water
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance released due to maintenance from a petroleum pipeline. Substance sprayed over an area 100 Ft X 15 Ft.
OES Incident Number:	05-6394
OES notification:	11/06/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	11/6/200512:00:00 AM

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, a 16 inch stain was discovered on the ground.
OES Incident Number:	05-6040
OES notification:	10/19/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan Energy
Incident Date:	10/19/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Water
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was being pumped back into remediation when a plug failed. Pumps where stopped and Plug was replaced.

AST:

Certified Unified Program Agencies:	San Diego
Owner:	SFPP, LP/KINDER MORGAN
Total Gallons:	27479044

SAN DIEGO CO. HMMD:

Facility Id:	100804
Business Type:	6HK19
EPA Id Number:	CAD080912587
APN:	433-240-27-00
Last HMMD Inspection:	10/17/2011
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	SFPP, LP/KINDER MORGAN
Facility Address:	1100 S TOWN & COUNTRY RD
Facility City:	ORANGE
Facility State:	CA
Facility Zip:	92868-
UST Owner:	SFPP, LP

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 104507 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 100804
Tank Type: DOUBLE WALL
Additional Id: NT1799 / OIL BEARING MATERIAL / RT3688
Capacity Gallons: 10000
UST Contents: OTHER
Other Content Info: GASOLINE ADDITIVE & WATER
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1994-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: GRAVITY
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name: UNDERGROUND TANK 100804 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100804
Tank Type: SINGLE WALL
Additional Id: SUMP D109 (UST "D1") AT5487
Capacity Gallons: 600
UST Contents: OTHER
Other Content Info: MOTOR VEHICLE FUEL
Reg Status: CLOSED
Remove Close Date: 2011-01-27 00:00:00
Year Installed: 1989-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name: UNDERGROUND TANK 100804 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 100804
Tank Type: SINGLE WALL
Additional Id: D-108 LOADING RACK SUMP (UST "B") AT5475
Capacity Gallons: 8709
UST Contents: OTHER
Other Content Info: MOTOR VEHICLE FUEL
Reg Status: REMOVED
Remove Close Date: 2010-11-17 00:00:00
Year Installed: 1963-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

UST Name:	UNDERGROUND TANK 100804 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	SUMP D-106 (UST "C ") AT5461
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL
Reg Status:	DEFICIENT
Remove Close Date:	2010-06-14 00:00:00
Year Installed:	1963-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 100804 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	SHELL RACK SUMP FOR RACK 5/AT5292
Capacity Gallons:	846
UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL
Reg Status:	REMOVED
Remove Close Date:	2007-01-22 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 100804 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	BURNER SUMP D-111 (UST "D2 ") AT5487
Capacity Gallons:	235
UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL
Reg Status:	REMOVED
Remove Close Date:	2011-01-27 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 100804 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	VAPOR RECOVERY SATURATOR/AT5374
Capacity Gallons:	1650

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL
Reg Status:	REMOVED
Remove Close Date:	2008-11-18 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	VAPOR CONDENSATE - (UST "D4") AT5487
Capacity Gallons:	430
UST Contents:	OTHER
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	2011-01-14 00:00:00
Year Installed:	1974-03-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	(UST '"A")' AT5319
Capacity Gallons:	294
UST Contents:	Not reported
Other Content Info:	'OFF SPEC FUELS'
Reg Status:	REMOVED
Remove Close Date:	2009-01-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported
UST Name:	UNDERGROUND TANK 100804 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	AT5405
Capacity Gallons:	370
UST Contents:	Not reported
Other Content Info:	ETHANOL
Reg Status:	CLOSED
Remove Close Date:	2009-04-01 00:00:00
Year Installed:	2003-08-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	AT5405
Capacity Gallons:	370
UST Contents:	Not reported
Other Content Info:	ETHANOL
Reg Status:	CLOSED
Remove Close Date:	2009-04-01 00:00:00
Year Installed:	2003-08-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	AT5412
Capacity Gallons:	300
UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	2009-06-03 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	DOUBLE WALL
Additional Id:	NT2503
Capacity Gallons:	4000
UST Contents:	OTHER
Other Content Info:	Not reported
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2010-06-07 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	46
UST Monitor Method:	DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.
UST Name:	UNDERGROUND TANK 100804 T013
Last Update:	2012-11-02 14:17:38

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	AT5461 (UST "C1")
Capacity Gallons:	1500
UST Contents:	LEADED
Other Content Info:	FUEL WATER SEPARATOR
Reg Status:	REMOVED
Remove Close Date:	2010-06-14 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

Active Permits:

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	FUEL ADDITIVE
Other Information:	HI-TEC 6591S (MVA-4)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	64742-95-6
Name:	FUEL ADDITIVE
Other Information:	NEMO 1121P
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WASTEWATER WITH BENZENE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	SOIL W/PB
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 291 LATEX WASTE
Other Information:	Not reported
Material Waste:	Waste

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: RAGS, SOIL, FOAM LOGS WITH GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) PAINT CHIPS
Other Information: PAINT CHIPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL; (MV-12, 17, 23, 8, 11, 29)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: MIXTURE
Name: PETROLEUM HYDROCARBONS
Other Information: TRANSMIX (MV-2-31,32)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 241 TANK BOTTOM WASTE
Other Information:	TANK BOTTOM SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	FUEL ADDITIVE
Other Information:	AP 4001 FUEL ADDITIVE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	PAINT AND RELATED MATERIALS (343)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE (OTHER) TANK
Other Information:	TANK CLEANING WASTEWATER (GASOLINE)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 611 CONTAMINATED SOIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	64-17-5
Name:	DENATURED ETHANOL
Other Information:	ETHANOL 95% (MV-21-22)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	7727-37-9

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information:	(2X100; 1X500)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	7681-52-9
Name:	SODIUM HYPOCHLORITE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	FUEL ADDITIVE
Other Information:	HITEC 6676 C
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	KEROPUR
Other Information:	AP-297-15 FUEL ADDITIVE MVA-1 AG-1
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	112-34-5
Name:	LIGHT WATER FC-600
Other Information:	BRAND ATC/AFFF
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	UNISOL LIQUID
Other Information:	UNISOL LIQUID RED BK-50 LR-1,5
Material Waste:	Material

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 64-19-7
Name: ACETIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PETROLEUM HYDROCARBON
Other Information: GASOLINE (MV1,3,4,5,6,7,9,10,13,14,15,16,18,19,25-28)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: MIXTURE
Name: FUEL ADDITIVE
Other Information: MCC LUBRICITY FUEL ADDITIVE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: PHOSPHORIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 7631-90-5
Name: SODIUM BISULFITE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	AQUEOUS SOLUTION WITH AS, CD
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	01/12/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/20/2009
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/01/2005
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3553
Violation:	SWPP1: NO HOURLY LLD MONITORING
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING: OPTION 1-Hourly line leak detector monitoring not performed. 25284.1(a)(4) (C); 2643(c)(1)
Activity:	ACTIVE

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	10/17/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV0143
Violation:	TP NOTIFICATION INCOMPLETE/INCORRECT
Violation Citation:	TIERED PERMITTING: TP Notification has incomplete or incorrect information. 25201
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100804

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV1611
Violation:	IMPROPER CLOSURE OF HW TANK UNIT
Violation Citation:	Failed to properly complete and/or document closure for a hazardous waste tank system. 67383.3 & 66265.197(a)&(b)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3301
Violation:	CATH PROT:SYSTEM NOT CHECKED AS REQ
Violation Citation:	System not checked as required by tester (at 6 months/3yrs.) 2635(a)(2)(A)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3554
Violation:	SWPP1: MONTHLY ELLD NOT DONE
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING: OPTION 1:Monthly electronic line leak detection not performed. 2643(c)(2)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/20/2009
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV1006
Violation:	HMBP: INVENTORY INADEQUATE
Violation Citation:	Business Plan inventory does not list all hazardous materials on site in disclosable quantities. HSC 25504(a),25503.5
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	09/20/2004
Violation Code:	6HV1603
Violation:	NO 2ND CONTAINMENT FOR HW TANK
Violation Citation:	Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003,

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

68.1005
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV1603
Violation: NO 2ND CONTAINMENT FOR HW TANK
Violation Citation: Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3191
Violation: NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation: Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3701
Violation: SWGP:PIPE INTEG NOT TESTED EVERY 2 YEARS
Violation Citation: SINGLE WALLED GRAVITY PIPING:Piping integrity test not performed every 2 years. 2643(e)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 09/20/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/20/2009
Violation Code:	6HV0137
Violation:	MANIFEST NOT COMPLETED PROPERLY
Violation Citation:	Generator of hazardous waste has not completed the hazardous waste manifest with all information required. CCR 66262.23(a)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3265
Violation:	SYS NOT RUN TO PREVENT SPILL/OVERFILL
Violation Citation:	UST system not operated to prevent spills and/or overfills. 25292.1(a)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3302
Violation:	IMPRESSED CURRENT TEST NOT DONE ON TIME
Violation Citation:	CATHODIC PROTECTION: Impressed current system check not done every 60 days. 2635 (a)(2)(A)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/01/2005
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Violation Code:	6HV1611
Violation:	IMPROPER CLOSURE OF HW TANK UNIT
Violation Citation:	Failed to properly complete and/or document closure for a hazardous waste tank system. 67383.3 & 66265.197(a)&(b)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3269
Violation:	UST SYSTEM NOT CONT. MONITORED W/VPH
Violation Citation:	UST system not continuously monitored using Vacuum/Pressure/Hydrostatic (VPH) system (for tank installs on or after 7/1/04). 25290.1 (d)&(e)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3701
Violation:	SWGP:PIPE INTEG NOT TESTED EVERY 2 YEARS
Violation Citation:	SINGLE WALLED GRAVITY PIPING:Piping integrity test not performed every 2 years. 2643(e)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3104

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Violation: FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation: CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity: ACTIVE

Facility Id: 100805
Business Type: 6HK07
EPA Id Number: Not reported
APN: 433-240-27-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: Not reported
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 207749
Business Type: 6HK26
EPA Id Number: CAL000172941
APN: 433-240-27-00
Last HMMD Inspection: 04/22/2011
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: COASTAL TRANSPORT COMPANY INC
Facility Address: 1603 ACKERMAN RD
Facility City: SAN ANTONIO
Facility State: TX
Facility Zip: 78219
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: N
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 207749
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207749
Update Date: 11/02/2012

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: FLEET PRIDE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207749
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207749
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207749
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 207749
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 207749
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207749
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 207749
Update Date: 11/02/2012
Inspection Date: 12/04/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 207749
Update Date: 11/02/2012
Inspection Date: 12/04/2008
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Facility Id: 207749
Update Date: 11/02/2012
Inspection Date: 04/22/2011
Violation Code: 6HV0218
Violation: FILTERS:FUEL/OIL NOT LABELED OR CLOSED
Violation Citation: Failed to label &/or close drained used oil filters &/or used fuel filters. 25250.22 and 66266.130(c)(3)
Activity: ACTIVE

Facility Id: 207749
Update Date: 11/02/2012
Inspection Date: 04/22/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 100804
Business Type: 6HK19
EPA Id Number: CAD080912587
APN: 433-240-27-00
Last HMMD Inspection: 10/17/2011
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: SFPP, LP/KINDER MORGAN
Facility Address: 1100 S TOWN & COUNTRY RD
Facility City: ORANGE
Facility State: CA
Facility Zip: 92868-
UST Owner: SFPP, LP
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 104507 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 100804
Tank Type: DOUBLE WALL
Additional Id: NT1799 / OIL BEARING MATERIAL / RT3688
Capacity Gallons: 10000
UST Contents: OTHER
Other Content Info: GASOLINE ADDITIVE & WATER
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1994-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: GRAVITY
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name: UNDERGROUND TANK 100804 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100804
Tank Type: SINGLE WALL
Additional Id: SUMP D109 (UST "D1") AT5487
Capacity Gallons: 600
UST Contents: OTHER
Other Content Info: MOTOR VEHICLE FUEL
Reg Status: CLOSED
Remove Close Date: 2011-01-27 00:00:00
Year Installed: 1989-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name: UNDERGROUND TANK 100804 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 100804
Tank Type: SINGLE WALL
Additional Id: D-108 LOADING RACK SUMP (UST "B") AT5475
Capacity Gallons: 8709
UST Contents: OTHER
Other Content Info: MOTOR VEHICLE FUEL
Reg Status: REMOVED
Remove Close Date: 2010-11-17 00:00:00
Year Installed: 1963-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name: UNDERGROUND TANK 100804 T003
Last Update: 2012-11-02 14:17:38

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	SUMP D-106 (UST "C ") AT5461
Capacity Gallons:	600
UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL
Reg Status:	DEFICIENT
Remove Close Date:	2010-06-14 00:00:00
Year Installed:	1963-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	SHELL RACK SUMP FOR RACK 5/AT5292
Capacity Gallons:	846
UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL
Reg Status:	REMOVED
Remove Close Date:	2007-01-22 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	BURNER SUMP D-111 (UST "D2 ") AT5487
Capacity Gallons:	235
UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL
Reg Status:	REMOVED
Remove Close Date:	2011-01-27 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	VAPOR RECOVERY SATURATOR/AT5374
Capacity Gallons:	1650
UST Contents:	OTHER
Other Content Info:	MOTOR VEHICLE FUEL

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Reg Status:	REMOVED
Remove Close Date:	2008-11-18 00:00:00
Year Installed:	1976-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	VAPOR CONDENSATE - (UST "D4") AT5487
Capacity Gallons:	430
UST Contents:	OTHER
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	2011-01-14 00:00:00
Year Installed:	1974-03-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 100804 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	(UST "'A")' AT5319
Capacity Gallons:	294
UST Contents:	Not reported
Other Content Info:	'OFF SPEC FUELS'
Reg Status:	REMOVED
Remove Close Date:	2009-01-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported
UST Name:	UNDERGROUND TANK 100804 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	AT5405
Capacity Gallons:	370
UST Contents:	Not reported
Other Content Info:	ETHANOL
Reg Status:	CLOSED
Remove Close Date:	2009-04-01 00:00:00
Year Installed:	2003-08-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING

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ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 100804 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	AT5405
Capacity Gallons:	370
UST Contents:	Not reported
Other Content Info:	ETHANOL
Reg Status:	CLOSED
Remove Close Date:	2009-04-01 00:00:00
Year Installed:	2003-08-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 100804 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL
Additional Id:	AT5412
Capacity Gallons:	300
UST Contents:	Not reported
Other Content Info:	Not reported
Reg Status:	REMOVED
Remove Close Date:	2009-06-03 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 100804 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	DOUBLE WALL
Additional Id:	NT2503
Capacity Gallons:	4000
UST Contents:	OTHER
Other Content Info:	Not reported
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	2010-06-07 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	46
UST Monitor Method:	DW TANK W/ CONSTANT VACUUM INTERSTITIAL W/ ALARM; SW GRAVITY ABOVEGROUND PIPING W/VISUAL MONIT; NO SUMPS OR UDCS.

UST Name:	UNDERGROUND TANK 100804 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	100804
Tank Type:	SINGLE WALL

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Additional Id:	AT5461 (UST "C1")
Capacity Gallons:	1500
UST Contents:	LEADED
Other Content Info:	FUEL WATER SEPARATOR
Reg Status:	REMOVED
Remove Close Date:	2010-06-14 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

Active Permits:

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	FUEL ADDITIVE
Other Information:	HI-TEC 6591S (MVA-4)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	64742-95-6
Name:	FUEL ADDITIVE
Other Information:	NEMO 1121P
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WASTEWATER WITH BENZENE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	SOIL W/PB
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 291 LATEX WASTE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Facility Id: 100804
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: RAGS, SOIL, FOAM LOGS WITH GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER) PAINT CHIPS
Other Information: PAINT CHIPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL; (MV-12, 17, 23, 8, 11, 29)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: MIXTURE
Name: PETROLEUM HYDROCARBONS
Other Information: TRANSMIX (MV-2-31,32)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Name:	WASTE 241 TANK BOTTOM WASTE
Other Information:	TANK BOTTOM SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	FUEL ADDITIVE
Other Information:	AP 4001 FUEL ADDITIVE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	PAINT AND RELATED MATERIALS (343)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE (OTHER) TANK
Other Information:	TANK CLEANING WASTEWATER (GASOLINE)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 611 CONTAMINATED SOIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	64-17-5
Name:	DENATURED ETHANOL
Other Information:	ETHANOL 95% (MV-21-22)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	100804
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information: (2X100; 1X500)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 7681-52-9
Name: SODIUM HYPOCHLORITE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: MIXTURE
Name: FUEL ADDITIVE
Other Information: HITEC 6676 C
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: MIXTURE
Name: KEROPUR
Other Information: AP-297-15 FUEL ADDITIVE MVA-1 AG-1
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 100804
Update Date: 11/02/2012
Case Number: 112-34-5
Name: LIGHT WATER FC-600
Other Information: BRAND ATC/AFFF
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 100804
Update Date: 11/02/2012
Case Number: MIXTURE
Name: UNISOL LIQUID
Other Information: UNISOL LIQUID RED BK-50 LR-1,5
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	64-19-7
Name:	ACETIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PETROLEUM HYDROCARBON
Other Information:	GASOLINE (MV1,3,4,5,6,7,9,10,13,14,15,16,18,19,25-28)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	FUEL ADDITIVE
Other Information:	MCC LUBRICITY FUEL ADDITIVE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	7664-38-2
Name:	PHOSPHORIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	7631-90-5
Name:	SODIUM BISULFITE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	Not reported

Facility Id:	100804
Update Date:	11/02/2012
Case Number:	Not reported

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: AQUEOUS SOLUTION WITH AS, CD
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 01/12/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 11/20/2009
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 11/01/2005
Violation Code: 6HV0207
Violation: FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation: Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV3553
Violation: SWPP1: NO HOURLY LLD MONITORING
Violation Citation: SINGLE WALLED PRESSURIZED PIPING: OPTION 1-Hourly line leak detector monitoring not performed. 25284.1(a)(4) (C); 2643(c)(1)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3110
Violation: NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation: Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 10/17/2011
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV0143
Violation: TP NOTIFICATION INCOMPLETE/INCORRECT
Violation Citation: TIERED PERMITTING: TP Notification has incomplete or incorrect information. 25201
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV1611

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Violation:	IMPROPER CLOSURE OF HW TANK UNIT
Violation Citation:	Failed to properly complete and/or document closure for a hazardous waste tank system. 67383.3 & 66265.197(a)&(b)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3301
Violation:	CATH PROT:SYSTEM NOT CHECKED AS REQ
Violation Citation:	System not checked as required by tester (at 6 months/3yrs.) 2635(a)(2)(A)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3554
Violation:	SWPP1: MONTHLY ELLD NOT DONE
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING: OPTION 1:Monthly electronic line leak detection not performed. 2643(c)(2)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/20/2009
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

66265.173(a)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV1006
Violation: HMBP: INVENTORY INADEQUATE
Violation Citation: Business Plan inventory does not list all hazardous materials on site in disclosable quantities. HSC 25504(a),25503.5
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 09/20/2004
Violation Code: 6HV1603
Violation: NO 2ND CONTAINMENT FOR HW TANK
Violation Citation: Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3101
Violation: UPF PERMIT NOT CURRENT/ONSITE
Violation Citation: Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity: ACTIVE

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV1603
Violation:	NO 2ND CONTAINMENT FOR HW TANK
Violation Citation:	Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3701
Violation:	SWGP:PIPE INTEG NOT TESTED EVERY 2 YEARS
Violation Citation:	SINGLE WALLED GRAVITY PIPING:Piping integrity test not performed every 2 years. 2643(e)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	09/20/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/20/2009

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Violation Code:	6HV0137
Violation:	MANIFEST NOT COMPLETED PROPERLY
Violation Citation:	Generator of hazardous waste has not completed the hazardous waste manifest with all information required. CCR 66262.23(a)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3265
Violation:	SYS NOT RUN TO PREVENT SPILL/OVERFILL
Violation Citation:	UST system not operated to prevent spills and/or overfills. 25292.1(a)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/20/2004
Violation Code:	6HV3302
Violation:	IMPRESSED CURRENT TEST NOT DONE ON TIME
Violation Citation:	CATHODIC PROTECTION: Impressed current system check not done every 60 days. 2635 (a)(2)(A)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	11/01/2005
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Facility Id:	100804
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV1611
Violation:	IMPROPER CLOSURE OF HW TANK UNIT
Violation Citation:	Failed to properly complete and/or document closure for a hazardous

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

waste tank system. 67383.3 & 66265.197(a)&(b)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3193
Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3269
Violation: UST SYSTEM NOT CONT. MONITORED W/VPH
Violation Citation: UST system not continuously monitored using Vacuum/Pressure/Hydrostatic (VPH) system (for tank installs on or after 7/1/04). 25290.1 (d)&(e)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/20/2004
Violation Code: 6HV3701
Violation: SWGP:PIPE INTEG NOT TESTED EVERY 2 YEARS
Violation Citation: SINGLE WALLED GRAVITY PIPING:Piping integrity test not performed every 2 years. 2643(e)
Activity: ACTIVE

Facility Id: 100804
Update Date: 11/02/2012
Inspection Date: 04/27/2006
Violation Code: 6HV3104
Violation: FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation: CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711

SFPP, LP/KINDER MORGAN (Continued) **S103994117**

Activity:	ACTIVE
Facility Id:	128545
Business Type:	6HK78
EPA Id Number:	CAD000603795
APN:	433-240-15-00
Last HMMD Inspection:	04/23/2003
Permit Status:	INAC
Permit Expiration:	08/31/2004
Facility Owner:	EQUILON ENTERPRISES LLC
Facility Address:	9966 SAN DIEGO MISSION RD.
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	128545
Update Date:	11/02/2012
Inspection Date:	04/23/2003
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit

Click this hyperlink while viewing on your computer to access
1 additional CA_HMMD: record(s) in the EDR Site Report.

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.14
Reactive Organic Gases Tons/Yr:	5.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

16 **EXXON MOBIL OIL CORP** **CA San Diego Co. HMMD** **S105112808**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	104288
Business Type:	6HK78
EPA Id Number:	Not reported
APN:	433-240-27-00
Last HMMD Inspection:	07/21/2003
Permit Status:	INAC
Permit Expiration:	12/31/2004
Facility Owner:	EXXON MOBIL OIL CORP
Facility Address:	9950 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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16 **ERNS** **2007318174**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2007327298**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2007304631**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 | **ERNS** | **2007309480** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 | **ERNS** | **2008901907** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 | **ERNS** | **2008907072** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 | **ERNS** | **2008907458** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 | **ERNS** | **2007305298** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 **ERNS** **2007331250**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008861905**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008863120**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2008874573**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2007307481**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008868653**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008871285**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2009907072**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2005629120**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2005625479**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2005625488**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2005627773**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2005617317**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2005619545**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2005627632**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2005627405**
9950 SAN DIEGO MISSON ROAD **N/A**
SAN DIEGO, CA 92108

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16 **SHELL OIL PRODUCTS US-MISSION VALLEY TER** **FINDS** **1014677506**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110041999308

Environmental Interest/Information System
HAZARDOUS WASTE BIENNIAL REPORTER

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16 **MISSION VALLEY TERMINAL AT0404** **CA San Diego Co. HMMD** **S106061820**
9950 SAN DIEGO MISSION RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	121132
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	433-240-27-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	EXXON
Facility Address:	9950 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1721
UST Owner:	EXXON
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121132 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121132
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	15000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported

MISSION VALLEY TERMINAL AT0404 (Continued) **S106061820**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:
Case Number: H21132-001
Agency: CA Regional Water Quality Control Board
Funding: **Non Billable**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Preliminary Assessment
Date: 5/23/1994
Date Began: 5/23/1994

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16 **ERNS** **2005615542**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

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16 **KINDER MORGAN MV TERMINAL** **FINDS** **1011982214**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110037956049

Environmental Interest/Information System
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

16 | **EDR US Hist Auto Stat** | **1015690537** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: EXXONMOBIL
Year: 2009
Address: 9950 SAN DIEGO MISSION RD

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16 | **FINDS** | **1016072134** | **N/A**

EQUILON INTERPRISES LLC MISSION VALLEY TERMINAL
9950 SAN DIEGO MISSION ROAD
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110002334493

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

FRP

AIR SYNTHETIC MINOR

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

16 **EXXONMOBIL OIL CORP MISSION VALLEY TERMINAL** **FINDS** **1016112203**
9950 SAN DIEGO MISSION RD. **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110000478769

Environmental Interest/Information System
FRP

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

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16 **ERNS** **2009901907**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 | **ERNS** | **2009916632** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2009919409** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2009893940** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2009907458** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2009908805** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 **ERNS** **2008916321**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2010936647**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2005624163**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2005624685**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2005617240**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 | **ERNS** | **2005623766**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2009912438**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2009915441**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2009916321**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2008915441**
9950 SAN DIEGO MISSION RD | **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 TOSCO CORPORATION, SAN DIEGO TERMINAL | **RCRA NonGen / NLR** | **1000175605**
9950 SAN DIEGO MISSION ROAD | **US AIRS** | **CAD000628743**
SAN DIEGO, CA 92120

RCRA NonGen / NLR:

Date form received by agency:	08/18/1980
Facility name:	TOSCO CORPORATION, SAN DIEGO TERMINAL
Facility address:	9950 SAN DIEGO MISSION ROAD SAN DIEGO, CA 92120
EPA ID:	CAD000628743
Mailing address:	10100 SANTA MONICA BOULEVARD LOS ANGELES, CA 90067
Contact:	ENVIRONMENTAL MANAGER
Contact address:	9950 SAN DIEGO MISSION ROAD SAN DIEGO, CA 92120
Contact country:	US
Contact telephone:	(213) 552-7000
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO PIPELINE COMPANY
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

TOSCO CORPORATION, SAN DIEGO TERMINAL (Continued) **1000175605**

Used oil transporter: No

Violation Status: No violations found

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110002334493
Plant name:	SFPPLP
Plant address:	9950 SAN DIEGO MISSION RD SAN DIEGO, CA 92108
County:	SAN DIEGO
Region code:	09
Dunn & Bradst #:	080912587
Air quality cntrl region:	029
Sic code:	4613
Sic code desc:	REFINED PETROLEUM PIPELINES
North Am. industrial classf:	486910
NAIC code description:	Pipeline Transportation of Refined Petroleum Products
Default compliance status:	IN COMPLIANCE - INSPECTION
Default classification:	POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

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16 **POWERINE OIL CO** **RCRA-SQG** **1000215388**
9950 SAN DIEGO MISSION RD **CA San Diego Co. HMMD** **CAT080012917**
SAN DIEGO, CA 92108 **CA HAZNET**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	POWERINE OIL CO
Facility address:	9950 SAN DIEGO MISSION RD SAN DIEGO, CA 92108
EPA ID:	CAT080012917
Mailing address:	12354 LAKELAND ROAD SANTA FE SPRINGS, CA 90670
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	POWERINE OIL COMPANY
Owner/operator address:	NOT REQUIRED

POWERINE OIL CO (Continued) **1000215388**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/18/1980
Site name: POWERINE OIL CO
Classification: Large Quantity Generator

Violation Status: No violations found

SAN DIEGO CO. HMMD:
Facility Id: 102383
Business Type: 6HK78
EPA Id Number: CAT080012917
APN: 433-240-27-00
Last HMMD Inspection: 02/14/1994
Permit Status: INAC
Permit Expiration: 02/14/1994
Facility Owner: POWERINE OIL COMPANY
Facility Address: 12354 LAKELAND RD
Facility City: SANTA FE SPRING
Facility State: CA
Facility Zip: 90670-
UST Owner: Not reported
Handle Regulated Hazmat: Y

POWERINE OIL CO (Continued) **1000215388**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

HAZNET:
envid: 1000215388
Year: 1994
GEPAID: CAT080012917
Contact: CASTLE ENERGY CORP
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 12354 LAKELAND ROAD
Mailing City,St,Zip: SANTA FE SPRINGS, CA 906700000
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Tons: .1500
Facility County: San Diego

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16 **SHELL OIL PRODUCTS US-MISSION VALLEY TER** **RCRA-LQG** **1007198641**
9950 SAN DIEGO MISSION ROAD **CA HAZNET** **CAD000603795**
SAN DIEGO, CA 92108

RCRA-LQG:
Date form received by agency: 02/19/2004
Facility name: SHELL OIL PRODUCTS US-MISSION VALLEY TER
Facility address: 9950 SAN DIEGO MISSION ROAD
SAN DIEGO, CA 92108
EPA ID: CAD000603795
Mailing address: P. O. BOX 2648, TSP1505A
HOUSTON, TX 772522648
Contact: SONDRA E BIENVENU
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (713) 241-5036
Contact email: SEBIENVENU@SHELLOPUS.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

SHELL OIL PRODUCTS US-MISSION VALLEY TER (Continued) **1007198641**

Owner/Operator Summary:
Owner/operator name: EQUILON ENTERPRISES LLD DBA SHELL OIL PR
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/1998
Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPRISES LLC DBA SHELL OIL PR
Owner/operator address: P. O. BOX 2648
HOUSTON, TX 77252
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/01/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 03/08/1994
Site name: SHELL OIL COMPANY
Classification: Large Quantity Generator

Date form received by agency: 02/24/1992
Site name: SHELL-MISSION VALLEY PLANT
Classification: Large Quantity Generator

Date form received by agency: 04/13/1990
Site name: SHELL OIL CO- MISSION VALLEY PLANT
Classification: Large Quantity Generator

SHELL OIL PRODUCTS US-MISSION VALLEY TER (Continued) **1007198641**

Violation Status: No violations found

HAZNET:

envid:	1007198641
Year:	2002
GEPAID:	CAD000603795
Contact:	SONDRA E BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	P. O. BOX 2648, TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	0.52
Facility County:	San Diego

envid:	1007198641
Year:	2001
GEPAID:	CAD000603795
Contact:	SONDRA E BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	P. O. BOX 2648, TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Transfer Station
Tons:	0.15
Facility County:	San Diego

envid:	1007198641
Year:	2001
GEPAID:	CAD000603795
Contact:	SONDRA E BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	P. O. BOX 2648, TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Empty containers less than 30 gallons
Disposal Method:	Transfer Station
Tons:	0.01
Facility County:	San Diego

envid:	1007198641
Year:	2001
GEPAID:	CAD000603795
Contact:	SONDRA E BIENVENU
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	P. O. BOX 2648, TSP1505A

SHELL OIL PRODUCTS US-MISSION VALLEY TER (Continued) **1007198641**

Mailing City,St,Zip: HOUSTON, TX 772522648
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Contaminated soil from site clean-up
Disposal Method: Transfer Station
Tons: 0.5
Facility County: San Diego

envid: 1007198641
Year: 2000
GEPAID: CAD000603795
Contact: SONDRA E BIENVENU
Telephone: 7132415036
Mailing Name: Not reported
Mailing Address: P. O. BOX 2648, TSP1505A
Mailing City,St,Zip: HOUSTON, TX 772522648
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: 16.68
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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16 **SFPP, L.P. MISSION VALLEY TERMINAL** **RCRA-LQG** **1000409080**
9950 SAN DIEGO MISSION RD **CAD080912587**
SAN DIEGO, CA 92108

RCRA-LQG:
Date form received by agency: 03/01/2014
Facility name: SFPP, L.P. MISSION VALLEY TERMINAL
Facility address: 9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108
EPA ID: CAD080912587
Mailing address: TOWN AND COUNTRY RD
ORANGE, CA 92868
Contact: KARINA G HANKINS
Contact address: TOWN AND COUNTRY RD
ORANGE, CA 92868
Contact country: Not reported
Contact telephone: (714) 560-4887
Contact email: KARINA_HANKINS@KINDERMORGAN.COM
EPA Region: 09
Land type: Private
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting

SFPP, L.P. MISSION VALLEY TERMINAL (Continued) **1000409080**

from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SFPP, L.P.
Owner/operator address:	TOWN AND COUNTRY RD ORANGE, CA 92868
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 560-4887
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	02/08/1990
Owner/Op end date:	Not reported

Owner/operator name:	SFPP, L.P.
Owner/operator address:	TOWN AND COUNTRY RD ORANGE, CA 92868
Owner/operator country:	Not reported
Owner/operator telephone:	(714) 560-4887
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	02/08/1990
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

. Waste code:	D004
. Waste name:	ARSENIC

. Waste code:	D006
. Waste name:	CADMIUM

. Waste code:	D018
. Waste name:	BENZENE

Historical Generators:

Date form received by agency: 04/27/2012

SFPP, L.P. MISSION VALLEY TERMINAL (Continued) **1000409080**

Site name: SFPP, L.P. MISSION VALLEY TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 08/03/2010
Site name: SFPP, L.P. - MISSION VALLEY
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/29/2008
Site name: SFPP, L.P. MISSION VALLEY TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/28/2006
Site name: SFPP, L.P. MISSION VALLEY TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

SFPP, L.P. MISSION VALLEY TERMINAL (Continued) **1000409080**

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/27/2004
Site name: SFPP, L.P. MISSION VALLEY TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 02/27/2002
Site name: SFPP, L.P. MISSION VALLEY TERMINAL
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 10/12/2000
Site name: SFPP, L.P./ MISSION VALLEY
Classification: Large Quantity Generator

Date form received by agency: 01/26/1998
Site name: SFPP LP MISSION VALLEY
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 09/01/1996
Site name: SFPP LP MISSION VALLEY
Classification: Large Quantity Generator

Date form received by agency: 02/28/1996
Site name: SFPP, L.P. - MISSION VALLEY TERMINAL
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: S.F.P.P., L.P. MISSION VALLEY TERM
Classification: Large Quantity Generator

SFPP, L.P. MISSION VALLEY TERMINAL (Continued) **1000409080**

Date form received by agency: 02/26/1992
Site name: SFPP, L.P. (MISSION VALLEY TR)
Classification: Large Quantity Generator

Date form received by agency: 04/03/1991
Site name: SANTA FE PACIFIC PIPELINE COMPANY
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: SFPP LP MISSION VALLEY
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 467

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 1494.1

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 1494.1

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 1129461.3

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/20/2009
Date achieved compliance: 02/16/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/20/2009
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

SFPP, L.P. MISSION VALLEY TERMINAL (Continued) **1000409080**

Date violation determined: 05/13/2008
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/15/2008
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/27/2006
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/27/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/20/2004
Date achieved compliance: 07/20/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/28/1994
Date achieved compliance: 04/28/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/16/2011
Evaluation: NOT A SIGNIFICANT NON-COMPLIER

SFPP, L.P. MISSION VALLEY TERMINAL (Continued) **1000409080**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/20/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/16/2010
Evaluation lead agency: State

Evaluation date: 05/13/2008
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: Local

Evaluation date: 04/20/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/20/2004
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/28/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/28/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/24/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

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16 **MOBIL OIL CORP MISSION** **RCRA-SQG** **1000921663**
9950 SAN DIEGO MISSION RD **CAT000623694**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: MOBIL OIL CORP MISSION
Facility address: 9950 SAN DIEGO MISSION RD
TANK 5
SAN DIEGO, CA 92108
EPA ID: CAT000623694
Contact: Not reported
Contact address: Not reported

MOBIL OIL CORP MISSION (Continued) **1000921663**

Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MOBIL OIL CORP
Owner/operator address: 3225 GALLOWS RD
FAIRFAX, VA 22037
Owner/operator country: Not reported
Owner/operator telephone: (703) 846-5712
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: MOBIL OIL CORP MISSION
Classification: Small Quantity Generator

Date form received by agency: 09/15/1994

MOBIL OIL CORP MISSION (Continued) **1000921663**

Site name: MOBIL OIL CORP MISSION
Classification: Large Quantity Generator

Date form received by agency: 04/16/1990
Site name: MOBIL OIL CORP
Classification: Large Quantity Generator

Violation Status: No violations found

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16 **CA CHMIRS** **S109044138**

KINDER MORGAN 9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	06-6466
OES notification:	11/01/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Kinder Morgan
Incident Date:	11/1/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported

(Continued) **S109044138**

Contained:	Unknown
Site Type:	Pipe Line
E Date:	Not reported
Substance:	Diesel Fuel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, testing tank to see if potential leak, and found a leak using tracer gas.

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16 **MISSION VALLEY BULK FUEL TERMINAL** **CA NPDES** **S108405207**
9950 SAN DIEGO MISSION ROAD **CA SLIC** **N/A**
SAN DIEGO, CA 92108 **CA CHMIRS**
CA ENF
CA HAZNET
CA ENVIROSTOR

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	436547
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I024188
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/05/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	SFPP LP
Discharge Address:	1100 Town and Country Rd
Discharge City:	Orange
Discharge State:	California
Discharge Zip:	92868
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	218952
Order No:	Not reported
Regulatory Measure Type:	Industrial

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Place Id:	Not reported
WDID:	9 37I018788
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	05/10/2004
STATUS CODE NAME:	Active
STATUS DATE:	05/10/2004
PLACE SIZE:	2
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	BOYD Anderson
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	6195841055
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Coastal Transportation
OPERATOR ADDRESS:	1214 S 51st Ave
OPERATOR CITY:	Phoenix
OPERATOR STATE:	Arizona
OPERATOR ZIP:	85043
OPERATOR CONTACT NAME:	DAVE Huber
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	713-784-1010
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-584-1055
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego Rv
CERTIFIER NAME:	Tom Braaten
CERTIFIER TITLE:	Vice President
CERTIFICATION DATE:	04-MAY-04
PRIMARY SIC:	4212-Local Trucking Without Storage
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	218952
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I018788
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/10/2004
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Coastal Transportation
Discharge Address:	1214 S 51st Ave
Discharge City:	Phoenix
Discharge State:	Arizona
Discharge Zip:	85043
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	436547
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I024188
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	04/05/2013
PROCESSED DATE:	04/05/2013
STATUS CODE NAME:	Active
STATUS DATE:	04/05/2013
PLACE SIZE:	30.1
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Frank Luera

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

FACILITY CONTACT TITLE:	Area Manager
FACILITY CONTACT PHONE:	619-778-5215
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	lueraf@kindermorgan.com
OPERATOR NAME:	SFPP LP
OPERATOR ADDRESS:	1100 Town and Country Rd
OPERATOR CITY:	Orange
OPERATOR STATE:	California
OPERATOR ZIP:	92868
OPERATOR CONTACT NAME:	Karina Hankins
OPERATOR CONTACT TITLE:	Env Health and Safety Specialist
OPERATOR CONTACT PHONE:	714-560-4887
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	hankinsk@kindermorgan.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Y
RECEIVING WATER NAME:	Murphy Canyon Creek
CERTIFIER NAME:	Robert Granado
CERTIFIER TITLE:	Director EHS
CERTIFICATION DATE:	31-MAR-15
PRIMARY SIC:	4226-Special Warehousing and Storage, NEC
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	05/14/2009
Global Id:	SL607392800
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number:	H21132-001

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Latitude:	32.790821325
Longitude:	-117.114435
Case Type:	Cleanup Program Site
Case Worker:	SM
Local Agency:	Not reported
RB Case Number:	9UT542
File Location:	Regional Board
Potential Media Affected:	Other Groundwater (uses other than drinking water), Soil, Surface water, Under Investigation
Potential Contaminants of Concern:	Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline, * Petroleum - Automotive gasolines, * Petroleum - Diesel fuels
Site History:	On January 17,2007 gasoline was released onto soil due to a failed pump seal. Groundwater monitoring wells were installed on July 20, 2007. Volatile fuel hydrocarbons concentration in wellhead samples have declined in all wells since the beginning of initial mobile treatment system (MTS) activities. For more information see Additional Remediation Report for Tank MV-18 Transfer Pump Release dated May 13, 2008 under the Site Documents tab.

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	05-5459
OES notification:	09/20/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan
Incident Date:	9/20/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Remediation Water and Carbon From a Carbon Vessel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released when the truck was overfilled. Carbon substance released into a pattern of about 8Ft X 8Ft.
OES Incident Number:	11-3540
OES notification:	06/13/2011
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1615
Year:	2011
Agency:	San Diego Gas and Electric
Incident Date:	6/13/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Mineral Oil
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a small leak in a transformer.
OES Incident Number:	'10-2288
OES notification:	04/10/2010
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1743
Year:	2010
Agency:	Kinder Morgan
Incident Date:	4/10/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Ground water with possible hydrocarbons
Quantity Released:	40
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A conveyance line apparently ruptured causing the product to spill into the soil. Clean up is underway.

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

OES Incident Number:	'10-2274
OES notification:	04/09/2010
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1620
Year:	2010
Agency:	Kinder Morgan
Incident Date:	4/9/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Ground Water
Quantity Released:	40
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Conveyance piping malfunctioned, at a fuel terminal.

ENF:

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	235286
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	08/14/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/14/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	NOV 2000-157 for nonsubmittal of time schedule and technical report.
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	235095
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	07/17/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2/26/2001
Termination Date:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Milestone entered. Additional offisite delineation beyond the QualCom Stadium. MTBE has shown in deeper aquifer and not in near surface aquifer.
Program:	SLIC
Latest Milestone Completion Date:	2/26/2001
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	235094
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	06/05/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	6/21/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	This is directed specifically to Texaco Mission Valley Terminal to investigate the integrity of the fuel lines from Kinder-Morgan manafold to Texaco Terminal, under Friars Road.
Program:	SLIC
Latest Milestone Completion Date:	6/21/2000
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Enforcement Id(EID):	235006
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/06/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/30/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Submit a report evaluating the condition of the pipeline cross-over and surrounding soil.
Program:	SLIC
Latest Milestone Completion Date:	10/30/2000
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	234221
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/17/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	6/14/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Request for further delineation of MTBE along SD River and down Mission Valley.
Program:	SLIC
Latest Milestone Completion Date:	6/14/2000
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	233241
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	08/27/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	11/1/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Revised Corrective Action Plan for re-evaluation of of-site migration of relaese.
Program:	SLIC
Latest Milestone Completion Date:	11/1/1999
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	233207
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	08/27/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	11/1/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	The original CAP from early 1990's has become outdated and additional release(s) have compounded the problem. The
Program:	SLIC
Latest Milestone Completion Date:	11/1/1999
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	221311
Region:	9
Order / Resolution Number:	R9-1992-0001
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/03/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	PETROLEUM RELEASE,RB LEAD, ASSOCIATES WITH ABOVEGROUND STORAGE TANKS/PIPING
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	327187
Region:	9
Order / Resolution Number:	R9-2006-0159
Enforcement Action Type:	Notice of Violation
Effective Date:	12/05/2006
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/05/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV R9-2006-0159
Description:	Failure to report releases of hydrocarbon waste in accordance with 92-01-A5 Directive 11.
Program:	UST
Latest Milestone Completion Date:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	256743
Agency Name:	Shell Oil Company - Anaheim
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000055N91
Reg Measure Id:	161473
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221310
Region:	9
Order / Resolution Number:	92-001
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/03/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000055N91
Description:	PETROLEUM RELEASE, RB LEAD, ASSOC W/ABOVEGROUND TANK/PIPING. SEE 9 000054N91 FOR ADDENDUM 1 INFO.
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240987
Agency Name:	Powerine Petroleum
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000057N91
Reg Measure Id:	160998
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220963
Region:	9
Order / Resolution Number:	92-001
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/03/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Title:	Enforcement - 9 000057N91
Description:	PETROLEUM RELEASE, RB LEAD, ASSOC W/ABOVEGROUND TANK/PIPING. SEE 9 000054N91 FOR ADDENDUM 1 INFO.
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	241070
Agency Name:	Mobil Oil Corporation Burbank
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	AGT
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000056N91
Reg Measure Id:	161008
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221082
Region:	9
Order / Resolution Number:	92-001
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	01/03/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000056N91
Description:	PETROLEUM RELEASE, RB LEAD, ASSOC W/ABOVEGROUND TANK/PIPING. SEE 9 000054N91 FOR ADDENDUM 1 INFO.
Program:	AGT
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	247537
Region:	9
Order / Resolution Number:	R9-1992-0001-A02
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	08/27/1999
Adoption/Issuance Date:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Addendum No. 2 to CAO R9-1992-0001 adding additional RPs to Order and name changes.
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	247507
Region:	9
Order / Resolution Number:	R9-1992-0001-A01
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/06/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Mission Valley Terminal CAO No. R9-1992-0001 addendum No. 1 to extend final cleanup date. Compliance by 01 January 1999.
	Not reported
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Enforcement Id(EID):	239905
Region:	9
Order / Resolution Number:	R9-1992-0001-A4
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/20/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Addendum issued to rescind 1/1/99 final cleanup date
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240986
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	239904
Region:	9
Order / Resolution Number:	R9-1992-0001-A3
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	02/19/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000054N91
Description:	Addendum to correct owners named
Program:	SLIC
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	240986
Agency Name:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Place Type:	Service/Commercial
Place Subtype:	Service/Commercial Site, NEC
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.786408
Place Longitude:	-117.115189
SIC Code 1:	5171
SIC Desc 1:	Petroleum Bulk Stations and Terminals
SIC Code 2:	5541
SIC Desc 2:	Gasoline Service Stations
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	239873
Region:	9
Order / Resolution Number:	R9-2002-0042
Enforcement Action Type:	Time Schedule Order
Effective Date:	03/13/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 9 000054N91
Description:	TSO issued because dischargers are out of compliance with directive No. 2 of CAO 92-01
Program:	SLIC
Latest Milestone Completion Date:	7/24/2002
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

HAZNET:

envid:	S108405207
Year:	2013
GEPAID:	CAC002724350
Contact:	LANCE MCDANIEL
Telephone:	6198142960
Mailing Name:	Not reported
Mailing Address:	10509 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921082202
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.5
Facility County:	Not reported

envid:	S108405207
Year:	2013
GEPAID:	CAC002745347
Contact:	RENEE NYGAARD
Telephone:	3102124190
Mailing Name:	Not reported
Mailing Address:	12851 166TH ST
Mailing City,St,Zip:	CERRITOS, CA 907032103
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles

MISSION VALLEY BULK FUEL TERMINAL (Continued) **S108405207**

Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.6255
Facility County: Not reported

ENVIROSTOR:
Facility ID: 71002597
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.78663
Longitude: -117.1162
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD080912587
Alias Type: EPA Identification Number
Alias Name: 110002334493
Alias Type: EPA (FRS #)
Alias Name: 71002597
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

16 | **CA CHMIRS** | **S109041255** | **N/A**

9950 SAN DIEGO MISSION ROAD, LOADING RACK 2 WEST
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	07-2570
OES notification:	04/27/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Kinder Morgan
Incident Date:	4/27/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Diesel
Gallons:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S109041255**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	04/27/07 at 1758 hours, truck driver filling his cargo tank and the pump meter failed and overfilled the tank.

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16 **SUNBURST TRANSPORTATION LLC** **CA HAZNET** **S112977959**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112977959
Year:	2009
GEPAID:	CAC002642462
Contact:	MARK MCCARTHY
Telephone:	6198142960
Mailing Name:	Not reported
Mailing Address:	10509 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921081705
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.187
Facility County:	San Diego

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16 **SFPP LP (MISSION VALLEY TERMINAL)** **CA HAZNET** **S113001891**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113001891
Year:	2013
GEPAID:	CAD080912587
Contact:	KARINA HANKINS
Telephone:	7145604887
Mailing Name:	Not reported
Mailing Address:	1100 TOWN AND COUNTRY RD
Mailing City,St,Zip:	ORANGE, CA 928680000
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.199

SFPP LP (MISSION VALLEY TERMINAL) (Continued) **S113001891**

Facility County: Not reported

envid: S113001891
Year: 2013
GEPAID: CAD080912587
Contact: KARINA HANKINS
Telephone: 7145604887
Mailing Name: Not reported
Mailing Address: 1100 TOWN AND COUNTRY RD
Mailing City,St,Zip: ORANGE, CA 928680000
Gen County: San Diego
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.2725
Facility County: Not reported

envid: S113001891
Year: 2013
GEPAID: CAD080912587
Contact: KARINA HANKINS
Telephone: 7145604887
Mailing Name: Not reported
Mailing Address: 1100 TOWN AND COUNTRY RD
Mailing City,St,Zip: ORANGE, CA 928680000
Gen County: San Diego
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.10505
Facility County: Not reported

envid: S113001891
Year: 2013
GEPAID: CAD080912587
Contact: KARINA HANKINS
Telephone: 7145604887
Mailing Name: Not reported
Mailing Address: 1100 TOWN AND COUNTRY RD
Mailing City,St,Zip: ORANGE, CA 928680000
Gen County: San Diego
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Facility County: Not reported

envid: S113001891
Year: 2013
GEPAID: CAD080912587
Contact: KARINA HANKINS

SFPP LP (MISSION VALLEY TERMINAL) (Continued) **S113001891**

Telephone:	7145604887
Mailing Name:	Not reported
Mailing Address:	1100 TOWN AND COUNTRY RD
Mailing City,St,Zip:	ORANGE, CA 928680000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	448.56
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
186 additional CA_HAZNET: record(s) in the EDR Site Report.

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16 **ERNS** **2006800158**

9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006801648**

9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006796642**

9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

16 **ERNS** **2005630434**
9950 SAN DIEGO MISSON ROAD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2005632310**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **MISSION VALLEY TERMINAL** **RCRA-LQG** **1007200773**
9950 SAN DIEGO MISSION ROAD **CA WDS** **CAT000603795**
SAN DIEGO, CA 92108

RCRA-LQG:

Date form received by agency:	10/12/2000
Facility name:	MISSION VALLEY TERMINAL
Site name:	EQUILON ENTERPRISES LLC/MISSION VALLEY
Facility address:	9950 SAN DIEGO MISSION ROAD SAN DIEGO, CA 92108
EPA ID:	CAT000603795
Mailing address:	PO BOX 2099 HOUSTON, TX 772522099
Contact:	SONDRA BEINVENU
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(713) 241-2258
Contact email:	Not reported
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

MISSION VALLEY TERMINAL (Continued) **1007200773**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	03/04/1999
Site name:	SHELL OIL COMPANY MISSION VALLEY PLANT
Classification:	Large Quantity Generator
Violation Status:	No violations found

WDS:

Facility ID:	San Diego 000000506
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAG919002 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	R.G. GRANADO
Agency Name:	KINDER MORGAN MVT SFPP L.P.
Agency Address:	1100 TOWN & COUNTRY RD
Agency City,St,Zip:	ORANGE 92868
Agency Contact:	Scott Martin
Agency Telephone:	7144440111
Agency Type:	Private
SIC Code:	5171
SIC Code 2:	Not reported
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Primary Waste:	CNWTRS
Waste Type2:	Not reported
Waste2:	Contaminated Ground Water
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	1
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.

MISSION VALLEY TERMINAL (Continued) **1007200773**

Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

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16 **POWERINE OIL CO** **RCRA-LQG 1007200769**
9950 SAN DIEGO MISSION RD **FINDS CAT000063795**
SAN DIEGO, CA 92108

RCRA-LQG:

Date form received by agency:	03/14/2000
Facility name:	EQUILON ENTERPRISES LLC/ MISSION VALLEY
Facility address:	9950 SAN DIEGO MISSION ROAD SAN DIEGO, CA 92108
EPA ID:	CAT000063795
Mailing address:	PO BOX 2099 HOUSTON, TX 772522099
Contact:	SONDRA BIENVENU
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(713) 241-2258
Contact email:	Not reported
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

POWERINE OIL CO (Continued) **1007200769**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110006533830

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055673169

Environmental Interest/Information System
STATE MASTER

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16 **ERNS** **2006793858**

9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006787468**

9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2006788236**

9950 SAN DIEGO MISSON ROAD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 **MISSION VALLEY TERMINAL AT0404** **CA SWEEPS UST** **S106929467**
9950 SAN DIEGO MISSION RD C **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	21132
Number:	9
Board Of Equalization:	44-000285
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21132
Number:	Not reported
Board Of Equalization:	44-000285
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021132-000001
Tank Status:	Not reported
Capacity:	15000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

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16 **THE SOCO GRP INC** **CA HAZNET** **S113116684**
9950 SAN DIEGO MISSION RD STE G **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113116684
Year:	2003
GEPAID:	CAL000238325
Contact:	MARY JOHNSON CONTROLLER
Telephone:	7608048460
Mailing Name:	Not reported
Mailing Address:	5962 PRIESTLY DR
Mailing City,St,Zip:	CARLSBAD, CA 920080000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	3.32
Facility County:	San Diego

THE SOCO GRP INC (Continued) **S113116684**

envid: S113116684
Year: 2003
GEPAID: CAL000238325
Contact: MARY JOHNSON CONTROLLER
Telephone: 7608048460
Mailing Name: Not reported
Mailing Address: 5962 PRIESTLY DR
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Treatment, Tank
Tons: 2.04
Facility County: San Diego

envid: S113116684
Year: 2003
GEPAID: CAL000238325
Contact: MARY JOHNSON CONTROLLER
Telephone: 7608048460
Mailing Name: Not reported
Mailing Address: 5962 PRIESTLY DR
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Transfer Station
Tons: 1.06
Facility County: San Diego

envid: S113116684
Year: 2002
GEPAID: CAL000238325
Contact: MARY JOHNSON CONTROLLER
Telephone: 7608048460
Mailing Name: Not reported
Mailing Address: 5962 PRIESTLY DR
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: Not reported
TSD EPA ID: AZD980892731
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 2
Facility County: San Diego

envid: S113116684
Year: 2002
GEPAID: CAL000238325
Contact: MARY JOHNSON CONTROLLER
Telephone: 7608048460
Mailing Name: Not reported
Mailing Address: 5962 PRIESTLY DR
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: Not reported

THE SOCO GRP INC (Continued) **S113116684**

TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Transfer Station
Tons: 0.22
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

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16 **BUCK PETROLEUM COMPANY** **CA HAZNET** **S112840700**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112840700
Year: 1995
GEPAID: CAC000727480
Contact: RAYMOND PARRY
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 2908
Mailing City,St,Zip: EL CAJON, CA 920210000
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 1.9599
Facility County: San Diego

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16 **CA CHMIRS** **S107451004**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92868

CHMIRS:
OES Incident Number: 04-6770
OES notification: 12/26/2004
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported

(Continued) **S107451004**

Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	Kinder Morgan
Incident Date:	12/26/200412:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Pump seal failure caused a 15-ft by 20-ft wet spot on the ground.

16 | **CA CHMIRS** | **S110421091** | **N/A**

9950 SAN DIEGO MISSION ROAD, QUALCOMM PARKING LOT
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	'08-5203
OES notification:	07/16/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	0840
Year:	2008
Agency:	Kinder Morgan Energy Company
Incident Date:	7/16/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Ground Water
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S110421091**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states a security guard noticed a leak coming out of the ground.

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16 **MOBIL OIL CORP-MISSION VALLEY LUBE PLT** **CA HAZNET** **S113179395**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113179395
Year:	2001
GEPAID:	CAT000623694
Contact:	HAZARDOUS WASTE MGR
Telephone:	3039868011
Mailing Name:	Not reported
Mailing Address:	12265 W BAYAUD AVE STE 300
Mailing City,St,Zip:	LAKEWOOD, CO 802280000
Gen County:	Not reported
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Land Fill
Tons:	0.1
Facility County:	San Diego

envid:	S113179395
Year:	2001
GEPAID:	CAT000623694
Contact:	HAZARDOUS WASTE MGR
Telephone:	3039868011
Mailing Name:	Not reported
Mailing Address:	12265 W BAYAUD AVE STE 300
Mailing City,St,Zip:	LAKEWOOD, CO 802280000
Gen County:	Not reported
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Disposal, Land Fill
Tons:	0.1
Facility County:	San Diego

envid:	S113179395
Year:	2000
GEPAID:	CAT000623694
Contact:	HAZARDOUS WASTE MGR
Telephone:	3039868011
Mailing Name:	Not reported

MOBIL OIL CORP-MISSION VALLEY LUBE PLT (Continued) **S113179395**

Mailing Address: 12265 W BAYAUD AVE STE 300
Mailing City,St,Zip: LAKEWOOD, CO 802280000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.07
Facility County: San Diego

envid: S113179395
Year: 2000
GEPAID: CAT000623694
Contact: HAZARDOUS WASTE MGR
Telephone: 3039868011
Mailing Name: Not reported
Mailing Address: 12265 W BAYAUD AVE STE 300
Mailing City,St,Zip: LAKEWOOD, CO 802280000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Transfer Station
Tons: 0.1
Facility County: San Diego

envid: S113179395
Year: 2000
GEPAID: CAT000623694
Contact: HAZARDOUS WASTE MGR
Telephone: 3039868011
Mailing Name: Not reported
Mailing Address: 12265 W BAYAUD AVE STE 300
Mailing City,St,Zip: LAKEWOOD, CO 802280000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Transfer Station
Tons: 0.1
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
23 additional CA_HAZNET: record(s) in the EDR Site Report.

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16 **MISSION VALLEY TERMINAL** **CA HIST UST** **U001572764**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HIST UST:
Region: STATE
Facility ID: 00000035005
Facility Type: Other
Other Type: REFINED PETROLEUM CO
Contact Name: E. W. HALE
Telephone: 6192836511
Owner Name: SAN DIEGO PIPELINE COMPANY
Owner Address: 610 SOUTH MAIN STREET

MISSION VALLEY TERMINAL (Continued) **U001572764**

Owner City,St,Zip:	LOS ANGELES, CA 90014
Total Tanks:	0007
Tank Num:	001
Container Num:	VAP SAT #2
Year Installed:	1974
Tank Capacity:	00001470
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	SUMP D-106
Year Installed:	1963
Tank Capacity:	00001466
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	OWS #1
Year Installed:	1963
Tank Capacity:	00000808
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	004
Container Num:	SUMP D-108
Year Installed:	1963
Tank Capacity:	00008300
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	005
Container Num:	MOB ADD 1
Year Installed:	1967
Tank Capacity:	00000750
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	006
Container Num:	MOB ADD 2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

MISSION VALLEY TERMINAL (Continued) **U001572764**

Tank Num:	007
Container Num:	EXXON ADD.
Year Installed:	1966
Tank Capacity:	00015000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

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16 **SFPP LP** **CA WDS** **U001572761**
9950 SAN DIEGO MISSION RD **CA HIST UST** **N/A**
SAN DIEGO, CA 92108 **CA SWEEPS UST**
CA CHMIRS
CA San Diego Co. HMMD
CA EMI

WDS:

Facility ID:	San Diego 37I018788
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	6195841055
Facility Contact:	Boyd Anderson
Agency Name:	COASTAL TRANS CO INC
Agency Address:	5714 Star Ln
Agency City,St,Zip:	Houston 77057
Agency Contact:	Dave Huber
Agency Telephone:	7137841010
Agency Type:	Private
SIC Code:	4212
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best

SFPP LP (Continued) **U001572761**

management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

HIST UST:

Region:	STATE
Facility ID:	00000020122
Facility Type:	Other
Other Type:	DISTRIBUTION PLANT
Contact Name:	H. L. BERRY
Telephone:	6192832155
Owner Name:	SHELL OIL COMPANY
Owner Address:	ONE SHELL PLAZA
Owner City,St,Zip:	HOUSTON, TX 77001
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1965
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1972
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1972
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	3
Year Installed:	1972
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

SWEEPS UST:

Status:	Active
Comp Number:	28545

SFPP LP (Continued) **U001572761**

Number:	9
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-028545-000001
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	W
Content:	Not reported
Number Of Tanks:	1

CHMIRS:

OES Incident Number:	’08-6402
OES notification:	09/02/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	0635
Year:	2008

SFPP LP (Continued) **U001572761**

Agency:	Kinder Morgan
Incident Date:	9/2/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Engine Oil
Quantity Released:	4
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A truck has blown an oil filter releasing this material to the ground. A mechanic is on site cleaning up the spill which has caused a 10’ x 10’ stain under the truck.
OES Incident Number:	’08-1510
OES notification:	02/22/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

SFPP LP (Continued) **U001572761**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1405
Year:	2008
Agency:	Kinder Morgan
Incident Date:	2/22/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel Fuel
Quantity Released:	20
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A breeder valve on a valve cracked open and released substance in an area of 12 by 12.

SAN DIEGO CO. HMMD:

Facility Id:	104132
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	433-240-27-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	06/30/2002
Facility Owner:	SHELL OIL COMPANY
Facility Address:	9950 SAN DIEGO MISSION RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1721
UST Owner:	SHELL OIL COMPANY
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

SFPP LP (Continued) **U001572761**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 104132 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 104132
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 1000
UST Contents: AVIATION FUEL
Other Content Info: AVIATION FUEL
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1965-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 104132 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 104132
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 12000
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 104132 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 104132
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 12000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SFPP LP (Continued) **U001572761**

EMI:

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	41
Reactive Organic Gases Tons/Yr:	40
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD

SFPP LP (Continued) **U001572761**

SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	36
Reactive Organic Gases Tons/Yr:	36
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	15

SFPP LP (Continued) **U001572761**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	36
Reactive Organic Gases Tons/Yr:	36
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	14
Reactive Organic Gases Tons/Yr:	14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SFPP LP (Continued) **U001572761**

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	30
Reactive Organic Gases Tons/Yr:	30
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	28
Reactive Organic Gases Tons/Yr:	28
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171

SFPP LP (Continued) **U001572761**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	31
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	0

SFPP LP (Continued) **U001572761**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	31
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16
Reactive Organic Gases Tons/Yr:	16
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2000

SFPP LP (Continued) **U001572761**

County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	42
Reactive Organic Gases Tons/Yr:	42
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD

SFPP LP (Continued) **U001572761**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	39
Reactive Organic Gases Tons/Yr:	39
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	3

SFPP LP (Continued) **U001572761**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	45
Reactive Organic Gases Tons/Yr:	45
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2004
County Code:	37

SFPP LP (Continued) **U001572761**

Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	9.47935105
Reactive Organic Gases Tons/Yr:	9.47935105
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	45.21458205
Reactive Organic Gases Tons/Yr:	45.21458205
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	7.21212232
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8.98270549
Reactive Organic Gases Tons/Yr:	8.98270549
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

SFPP LP (Continued) **U001572761**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	49.09
Reactive Organic Gases Tons/Yr:	49.09
Carbon Monoxide Emissions Tons/Yr:	2.12
NOX - Oxides of Nitrogen Tons/Yr:	7.04
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1069
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.14
Reactive Organic Gases Tons/Yr:	5.14
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	41.540927311
Reactive Organic Gases Tons/Yr:	41.540927311
Carbon Monoxide Emissions Tons/Yr:	2.01
NOX - Oxides of Nitrogen Tons/Yr:	5.12
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	45.11
Reactive Organic Gases Tons/Yr:	45.11
Carbon Monoxide Emissions Tons/Yr:	5.45
NOX - Oxides of Nitrogen Tons/Yr:	4.05
SOX - Oxides of Sulphur Tons/Yr:	0

SFPP LP (Continued) **U001572761**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	46.34
Reactive Organic Gases Tons/Yr:	46.34
Carbon Monoxide Emissions Tons/Yr:	6.19
NOX - Oxides of Nitrogen Tons/Yr:	4.53
SOX - Oxides of Sulphur Tons/Yr:	.006
Particulate Matter Tons/Yr:	.07
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.07
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	45.710000000000001
Reactive Organic Gases Tons/Yr:	45.710000000000001
Carbon Monoxide Emissions Tons/Yr:	5.9100000000000001
NOX - Oxides of Nitrogen Tons/Yr:	4.3399999999999999
SOX - Oxides of Sulphur Tons/Yr:	0.01
Particulate Matter Tons/Yr:	8.0000000000000002E-2
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8.0000000000000002E-2
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	53.490000000000002
Reactive Organic Gases Tons/Yr:	53.490000000000002
Carbon Monoxide Emissions Tons/Yr:	3.0800000000000001
NOX - Oxides of Nitrogen Tons/Yr:	2.9199999999999999
SOX - Oxides of Sulphur Tons/Yr:	7.4700000000000005E-4
Particulate Matter Tons/Yr:	9.4599999999999997E-3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	9.4599999999999997E-3
Year:	2011
County Code:	37
Air Basin:	SD

SFPP LP (Continued) **U001572761**

Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	53.68
Reactive Organic Gases Tons/Yr:	53.68
Carbon Monoxide Emissions Tons/Yr:	3.09
NOX - Oxides of Nitrogen Tons/Yr:	2.93
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.01
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.01

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	91
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	53.68
Reactive Organic Gases Tons/Yr:	53.68
Carbon Monoxide Emissions Tons/Yr:	3.09
NOX - Oxides of Nitrogen Tons/Yr:	2.93
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0.01
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.01

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16 **NRC ENVIRONMENTAL SERVICES** **CA HAZNET** **S113794471**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113794471
Year:	2012
GEPAID:	CAC002713411
Contact:	KELLY BRANDENBURG
Telephone:	6192353322
Mailing Name:	Not reported
Mailing Address:	2950 KURTZ ST
Mailing City,St,Zip:	SAN DIEGO, CA 92110
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.125
Facility County:	San Diego

16 **EQUILON ENTERPRISES LLC** **CA HAZNET** **S113179250**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113179250
Year:	2003
GEPAID:	CAT000603795
Contact:	SONDRA BIENVENU/RES DISP COORD
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648 TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Treatment, Tank
Tons:	0.91
Facility County:	San Diego

envid:	S113179250
Year:	2003
GEPAID:	CAT000603795
Contact:	SONDRA BIENVENU/RES DISP COORD
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648 TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Tons:	14.59
Facility County:	San Diego

envid:	S113179250
Year:	2003
GEPAID:	CAT000603795
Contact:	SONDRA BIENVENU/RES DISP COORD
Telephone:	7132415036
Mailing Name:	Not reported
Mailing Address:	PO BOX 2648 TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	Not reported
Facility County:	San Diego

envid:	S113179250
Year:	2003
GEPAID:	CAT000603795
Contact:	SONDRA BIENVENU/RES DISP COORD
Telephone:	7132415036
Mailing Name:	Not reported

EQUILON ENTERPRISES LLC (Continued) **S113179250**

Mailing Address:	PO BOX 2648 TSP1505A
Mailing City,St,Zip:	HOUSTON, TX 772522648
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Transfer Station
Tons:	0.22
Facility County:	San Diego

---

16 **CA CHMIRS** **S110421089**

9950 SAN DEIGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	’08-8330
OES notification:	11/19/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Utilities/Substation
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1800
Year:	2008
Agency:	Kinder Morgan
Incident Date:	11/19/2008

(Continued) **S110421089**

Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Premium Unleaded Gasoline
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states that a release valve was left open which caused a spill onto the ground while filling a gasoline tank.

---

16 **COASTAL TRANSPORT CO INC** **CA HAZNET** **S113090952**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113090952
Year:	2013
GEPAID:	CAL000172941
Contact:	BRIAN MARTIN
Telephone:	6195841055
Mailing Name:	Not reported
Mailing Address:	1603 ACKERMAN RD
Mailing City,St,Zip:	SAN ANTONIO, TX 782190000
Gen County:	San Diego
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.3875
Facility County:	Not reported

envid:	S113090952
Year:	2012
GEPAID:	CAL000172941
Contact:	BRIAN MARTIN
Telephone:	6195841055
Mailing Name:	Not reported
Mailing Address:	1603 ACKERMAN RD
Mailing City,St,Zip:	SAN ANTONIO, TX 782190000
Gen County:	San Diego
TSD EPA ID:	CAD008252405

COASTAL TRANSPORT CO INC (Continued) **S113090952**

TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.748
Facility County: San Diego

envid: S113090952
Year: 2012
GEPAID: CAL000172941
Contact: BRIAN MARTIN
Telephone: 6195841055
Mailing Name: Not reported
Mailing Address: 1603 ACKERMAN RD
Mailing City,St,Zip: SAN ANTONIO, TX 782190000
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.9
Facility County: San Diego

envid: S113090952
Year: 2012
GEPAID: CAL000172941
Contact: BRIAN MARTIN
Telephone: 6195841055
Mailing Name: Not reported
Mailing Address: 1603 ACKERMAN RD
Mailing City,St,Zip: SAN ANTONIO, TX 782190000
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.4
Facility County: San Diego

envid: S113090952
Year: 2011
GEPAID: CAL000172941
Contact: BRIAN MARTIN
Telephone: 6195841055
Mailing Name: Not reported
Mailing Address: 1603 ACKERMAN RD
Mailing City,St,Zip: SAN ANTONIO, TX 782190000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.874
Facility County: San Diego

COASTAL TRANSPORT CO INC (Continued) **S113090952**

Click this hyperlink while viewing on your computer to access
41 additional CA_HAZNET: record(s) in the EDR Site Report.

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16 **VAN DYK TRUCKING** **CA HAZNET** **S112881668**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112881668
Year:	1998
GEPAID:	CAC001314384
Contact:	VAN DYK TRUCKING
Telephone:	9098772593
Mailing Name:	Not reported
Mailing Address:	2756 S RIVERSIDE AVE
Mailing City,St,Zip:	BLOOMINGTON, CA 923160000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	.6250
Facility County:	San Diego

---

16 **CA CHMIRS** **S108405648**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	05-6035
OES notification:	10/19/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

(Continued) **S108405648**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Kinder Morgan Energy
Incident Date:	10/19/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Ground Water
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	There were people working, valve broke and water shot of the valve.

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16 **CA CHMIRS** **S110421090**

9950 SAN DIEGO MISSION ROAD, KINDER MORGAN TANK FARM **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	'08-4342
OES notification:	06/19/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

(Continued) **S110421090**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	0339
Year:	2008
Agency:	Kinder Morgan
Incident Date:	6/19/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Gasoline
Quantity Released:	4 x 4 ft.
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A valve on a gasoline manifold had a small leak resulting in product spilling onto gravel.

16 **SUNBURST TRANSPORTATION LLC** **CA HAZNET** **S112985888**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112985888
Year:	2011
GEPAID:	CAC002666229
Contact:	MARK MCCARTHY
Telephone:	6198142960
Mailing Name:	Not reported
Mailing Address:	10509 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921082202
Gen County:	Not reported
TSD EPA ID:	CAD02840919
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.85
Facility County:	San Diego

envid:	S112985888
Year:	2011
GEPAID:	CAC002666229
Contact:	MARK MCCARTHY
Telephone:	6198142960
Mailing Name:	Not reported
Mailing Address:	10509 SAN DIEGO MISSION RD
Mailing City,St,Zip:	SAN DIEGO, CA 921082202
Gen County:	Not reported
TSD EPA ID:	CAD02840919
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.85
Facility County:	San Diego

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16 **SUNBURST TRANSPORTATION** **CA HAZNET** **S112949408**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112949408
Year:	2008
GEPAID:	CAC002597037
Contact:	MARK MCCARTHY
Telephone:	6195209772
Mailing Name:	Not reported
Mailing Address:	7525 METROPOLITAN DR STE 306
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.066
Facility County:	San Diego

SUNBURST TRANSPORTATION (Continued) **S112949408**

envid: S112949408
Year: 2008
GEPAID: CAC002597037
Contact: MARK MCCARTHY
Telephone: 6195209772
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 306
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Facility County: San Diego

envid: S112949408
Year: 2006
GEPAID: CAC002597037
Contact: MARK MCCARTHY
Telephone: 6195209772
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 306
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.25
Facility County: San Diego

envid: S112949408
Year: 2006
GEPAID: CAC002597037
Contact: MARK MCCARTHY
Telephone: 6195209772
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 306
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3
Facility County: San Diego

envid: S112949408
Year: 2006
GEPAID: CAC002597037
Contact: MARK MCCARTHY
Telephone: 6195209772
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 306

SUNBURST TRANSPORTATION (Continued) **S112949408**

Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 0.17
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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16 **MISSION VALLEY PLANT** **CA SWEEPS UST** **S106929466**
9950 SAN DIEGO MISSION RD B **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:
Status: Not reported
Comp Number: 4132
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004132-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: WASTE
Content: AVIA. GAS
Number Of Tanks: 3

Status: Not reported
Comp Number: 4132
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004132-000002
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4132
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported

MISSION VALLEY PLANT (Continued) **S106929466**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004132-000003
Tank Status:	Not reported
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

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16 **MOBIL OIL CORP, WCS&L** **CA SAN DIEGO CO. SAM** **S108407132**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. SAM:

Case Number:	H04288-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Preliminary Assessment
Date:	8/8/1991
Date Began:	8/8/1991

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16 **MOBIL C/O SFPP LP** **CA EMI** **S108432522**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.4
Reactive Organic Gases Tons/Yr:	7.4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	2633
Air District Name:	SD
SIC Code:	5171
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.4
Reactive Organic Gases Tons/Yr:	7.4

MOBIL C/O SFPP LP (Continued) **S108432522**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

---

16 **ERNS** **2005616184**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2005615775**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008889975**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **HMIRS** **200114486**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

16 | **ERNS** | **2006816765** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 | **ERNS** | **2005614052** | **N/A**

9950 SAN DIEGO MISSION ROAD
SAN DIEGO, CA

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16 | **ERNS** | **2003641046** | **N/A**

9950 SAN DIEGO MISSION RD.
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 | **ERNS** | **2008882461** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 | **ERNS** | **2008908805** | **N/A**

9950 SAN DIEGO MISSION RD
SAN DIEGO, CA 92108

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16 **ERNS** **2008912438**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008877449**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008890497**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2008893940**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2008876591**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 **ERNS** **2006816927**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006784245**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006785799**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006786023**
9950 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2007301706**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 **ERNS** **2007301470**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006819702**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2007303400**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006818036**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006813482**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

16 **ERNS** **2006809121**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **ERNS** **2006805427**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2007302341**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **ERNS** **2005629871**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

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16 **ERNS** **2007303122**
9950 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

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16 **TEXACO USA SALES TERMINAL** **CA HIST CORTESE** **S105026110**
9966 MISSION **N/A**
SAN DEIGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT542

---

16 **ERNS** **91205221**
9770 FRIARS RD **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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16 **CA CHMIRS** **S100280278**
9770 FRIARS ROAD **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	9115493
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	20-FEB-91
Date Completed:	**20-FEB-91**
Property Use:	962
Agency Id Number:	37140
Agency Incident Number:	041741
Time Notified:	1535
Time Completed:	1641
Surrounding Area:	962
Estimated Temperature:	75
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	UNKNOWN
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	TIM ADKINS
Report Date:	20-FEB-91
Facility Telephone:	619 533-4300
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported

(Continued) **S100280278**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	15-JUN-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

---

17 **CA Notify 65** **S100178382**

2418 FLEETWOOD **N/A**
SAN DIEGO, CA 92111

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92111-6203

---

17 **CA Notify 65** **S100178366**

2418 FLEETWOOD ST **N/A**
SAN DIEGO, CA 92111

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92111-6203

17 **CA Notify 65** **S100178223**
2400 BLK OF FLEETWOOD **N/A**
SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

---

17 **2412 FLEETWOOD IN CANYON** **CA Notify 65** **S100178383**
N/A
SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

---

18 **RUSSELL TOM CHEVRON SERVICE** **EDR US Hist Auto Stat** **1008997148**
2222 MISSION VILLAGE DR **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: RUSSELL TOM CHEVRON SERVICE
Year: 1970
Type: GASOLINE STATIONS

---

18 **ERNS** **2006795174**
9500 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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18 **ERNS** **2005632619**
9550 SAN DIEGO MISSION ROAD **N/A**
MISSION VALLEY, CA 92108

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18 **APEX TANK LINES, INC.** **CA HAZNET** **S117289042**
9550 SAN DIEGO MISSION ROAD **N/A**
SAN DIEGO, CA 92008

HAZNET:

envid:	S117289042
Year:	2013
GEPAID:	CAC002725909
Contact:	TERRY SHEFF
Telephone:	9095575302
Mailing Name:	Not reported
Mailing Address:	41707 WINCHESTER RD STE 206
Mailing City,St,Zip:	TEMECULA, CA 925904867
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	30.24
Facility County:	Not reported

envid:	S117289042
Year:	2013
GEPAID:	CAC002725909
Contact:	TERRY SHEFF
Telephone:	9095575302
Mailing Name:	Not reported
Mailing Address:	41707 WINCHESTER RD STE 206
Mailing City,St,Zip:	TEMECULA, CA 925904867
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	36.696
Facility County:	Not reported

---

18 **CA CHMIRS** **S108406442**
FRIARS RD EAST AT MISSION VILLAGE DRIVE **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	05-7068
OES notification:	12/07/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

(Continued) **S108406442**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Storm Drain
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	San Diego Co Environmental Health / Hazmat
Incident Date:	12/7/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Gasoline
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Accident involving big rig with two tankers. Back tanker (4,000) gallons flipped over and caught fire. Most of the substance is burning, not sure exactly how much has been spilled. People downstream are monitoring, nothing significant, maybe 40ppmm, a thick sheen. Fish and Game is on scene. Substance is boomed and dyked. Fire Dept. is letting the substance burn off.

19 **SOIL WASH TECHNOLOGIES INC** **CA HAZNET** **S113059695**
9310 C FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113059695
Year:	2001
GEPAID:	CAL000099215
Contact:	NEIL C KITCHEN - SR VP
Telephone:	6267932435
Mailing Name:	Not reported
Mailing Address:	215 N MARENGO AVE STE 110
Mailing City,St,Zip:	PASADENA, CA 911010000
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	4.37
Facility County:	San Diego

envid:	S113059695
Year:	2001
GEPAID:	CAL000099215
Contact:	NEIL C KITCHEN - SR VP
Telephone:	6267932435
Mailing Name:	Not reported
Mailing Address:	215 N MARENGO AVE STE 110
Mailing City,St,Zip:	PASADENA, CA 911010000
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Recycler
Tons:	0.3
Facility County:	San Diego

envid:	S113059695
Year:	1998
GEPAID:	CAL000099215
Contact:	SOIL WASH TECHNOLOGIES INC
Telephone:	6267932435
Mailing Name:	Not reported
Mailing Address:	215 N MARENGO AVE STE 110
Mailing City,St,Zip:	PASADENA, CA 911010000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	1.0425
Facility County:	San Diego

envid:	S113059695
Year:	1998
GEPAID:	CAL000099215
Contact:	SOIL WASH TECHNOLOGIES INC
Telephone:	6267932435
Mailing Name:	Not reported

SOIL WASH TECHNOLOGIES INC (Continued) **S113059695**

Mailing Address: 215 N MARENGO AVE STE 110
Mailing City,St,Zip: PASADENA, CA 911010000
Gen County: Not reported
TSD EPA ID: CAT080025711
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 6.2550
Facility County: San Diego

envid: S113059695
Year: 1998
GEPAID: CAL000099215
Contact: SOIL WASH TECHNOLOGIES INC
Telephone: 6267932435
Mailing Name: Not reported
Mailing Address: 215 N MARENGO AVE STE 110
Mailing City,St,Zip: PASADENA, CA 911010000
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .1250
Facility County: San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

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19 **HG FENTON COMPANY** **CA HAZNET** **S112897959**
9300 FRIARS RD **N/A**
SAN DIEGO, CA 92112

HAZNET:
envid: S112897959
Year: 1999
GEPAID: CAC002112352
Contact: HG FENTON COMPANY
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 9300 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921120000
Gen County: Not reported
TSD EPA ID: AZC980813022
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 5.1082
Facility County: San Diego

19 **FENTON H G MATERIAL COMPANY** **CA EMI** **S106831030**
9300 FRIARS RD **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	1987
County Code:	37
Air Basin:	SD
Facility ID:	164
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	107
Part. Matter 10 Micrometers & Smllr Tons/Yr:	48

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	164
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	160
Part. Matter 10 Micrometers & Smllr Tons/Yr:	38

Year:	1993
County Code:	37
Air Basin:	SD
Facility ID:	164
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers & Smllr Tons/Yr:	7

Year:	1995
County Code:	37
Air Basin:	SD

FENTON H G MATERIAL COMPANY (Continued) **S106831030**

Facility ID:	164
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	164
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	164
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8

19 **H.G. FENTON MATERIALS COMPANY** **CA RGA LUST** **S114630047**
9300 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2000	H.G. FENTON MATERIALS COMPANY	9300 FRIARS RD
1998	H.G. FENTON MATERIALS COMPANY	9300 FRIARS RD
1997	H.G. FENTON MATERIALS COMPANY	9300 FRIARS RD
1996	H.G. FENTON MATERIALS COMPANY	9300 FRIARS RD
1995	H.G. FENTON MATERIALS COMPANY	9300 FRIARS RD
1994	H.G. FENTON MATERIALS COMPANY	9300 FRIARS RD
1993	H.G. FENTON MATERIALS COMPANY	9300 FRIARS RD

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19 **FENTON PROPERTIES** **CA LUST** **S104539587**
9300 FRIARS RD **CA EMI** **N/A**
SAN DIEGO, CA 92108

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2493
Local Case:	H02325-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	06/29/1993
Date Stopped:	06/29/1993
Confirm Date:	07/29/1993
Submit Workplan:	6/29/93
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	7/29/93
Began Monitor:	Not reported
Release Date:	08/19/1993
Enforce Date:	Not reported
Closed Date:	5/19/00
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	6.8
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	2A
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

Region:	9
Status:	Case Closed
Case Number:	9UT3137

FENTON PROPERTIES (Continued) **S104539587**

Local Case: H02325-002
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported
Source: Unknown
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 08/18/1994
Date Stopped: 08/18/1994
Confirm Date: / /
Submit Workplan: 10/26/94
Prelim Assess: 11/29/1959
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/18/1994
Enforce Date: Not reported
Closed Date: 3/9/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 25.1
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: High priority
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT4064
Local Case: H02325-003
Substance: Diesel
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 08/31/1995
Date Stopped: 08/31/1995
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/21/1995
Desc Pollution: Not reported
Remed Plan: / /

FENTON PROPERTIES (Continued) **S104539587**

Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/31/1995
Enforce Date: Not reported
Closed Date: 3/9/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 11
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: High priority
File Dispn: Not reported
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:

Year: 1990
County Code: 37
Air Basin: SD
Facility ID: 47
Air District Name: SD
SIC Code: 3273
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 10
Part. Matter 10 Micrometers & Smllr Tons/Yr: 7

Year: 1995
County Code: 37
Air Basin: SD
Facility ID: 47
Air District Name: SD
SIC Code: 3273
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

19 **HG FENTON COMPANY** **CA HAZNET** **S113007104**
9300 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113007104
Year:	1998
GEPAID:	CAD981462625
Contact:	HG FENTON COMPANY
Telephone:	6195367562
Mailing Name:	Not reported
Mailing Address:	9300 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	.2085
Facility County:	San Diego

envid:	S113007104
Year:	1998
GEPAID:	CAD981462625
Contact:	HG FENTON COMPANY
Telephone:	6195367562
Mailing Name:	Not reported
Mailing Address:	9300 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Transfer Station
Tons:	.3336
Facility County:	San Diego

envid:	S113007104
Year:	1998
GEPAID:	CAD981462625
Contact:	HG FENTON COMPANY
Telephone:	6195367562
Mailing Name:	Not reported
Mailing Address:	9300 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Recycler
Tons:	.8250
Facility County:	San Diego

envid:	S113007104
Year:	1998
GEPAID:	CAD981462625
Contact:	HG FENTON COMPANY
Telephone:	6195367562
Mailing Name:	Not reported

HG FENTON COMPANY (Continued) **S113007104**

Mailing Address: 9300 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: .0125
Facility County: San Diego

envid: S113007104
Year: 1997
GEPAID: CAD981462625
Contact: HG FENTON COMPANY
Telephone: 6195367562
Mailing Name: Not reported
Mailing Address: 9300 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .5000
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
34 additional CA_HAZNET: record(s) in the EDR Site Report.

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19 **H.G. FENTON MATERIAL CO** **CA RGA LUST** **S114630045**
9300 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	H.G. FENTON MATERIAL CO	9300 FRIARS RD
2003	H.G. FENTON MATERIAL CO	9300 FRIARS RD
2000	H.G. FENTON MATERIAL CO	9300 FRIARS RD
1998	H.G. FENTON MATERIAL CO	9300 FRIARS RD
1997	H.G. FENTON MATERIAL CO	9300 FRIARS RD

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19 **MISSION VALLEY PLANT** **CA WDS** **U001572762**
9300 FRIARS RD **CA HIST UST** **N/A**
SAN DIEGO, CA 92120

WDS:
Facility ID: San Diego 000000630
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 9

MISSION VALLEY PLANT (Continued) **U001572762**

Facility Telephone:	Not reported
Facility Contact:	THOMAS FARRAR
Agency Name:	HANSON AGGREGATES
Agency Address:	PO BOX 639069
Agency City,St,Zip:	SAN DIEGO 92163
Agency Contact:	PETE ZAGAR
Agency Telephone:	8585772772
Agency Type:	Private
SIC Code:	1442
SIC Code 2:	3273
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Primary Waste:	WSHWTR
Waste Type2:	Not reported
Waste2:	Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

HIST UST:

Region:	STATE
Facility ID:	00000020427
Facility Type:	Not reported
Other Type:	SAND & GRAVEL
Contact Name:	GEORGE GRIGGS
Telephone:	6192988824
Owner Name:	H.G. FENTON MATERIAL CO.
Owner Address:	702 W. WASHINGTON ST.
Owner City,St,Zip:	SAN DIEGO, CA 92103
Total Tanks:	0012
Tank Num:	001
Container Num:	MV-D1
Year Installed:	1961
Tank Capacity:	00010000

MISSION VALLEY PLANT (Continued) **U001572762**

Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	MV-D2
Year Installed:	1961
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	MV-D3
Year Installed:	1974
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	MV-D4
Year Installed:	1974
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	MV-D5
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	MV-G2
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	MV-G1
Year Installed:	1961
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported

MISSION VALLEY PLANT (Continued) **U001572762**

Leak Detection: Stock Inventor

Tank Num: 008
Container Num: MV-S1
Year Installed: 1958
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 009
Container Num: MV-01
Year Installed: 1963
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 010
Container Num: MV-02
Year Installed: 1963
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 011
Container Num: MV-03
Year Installed: 1963
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 012
Container Num: MV-W01
Year Installed: 1963
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Not reported

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19 **H G FENTON MATERIAL CO** **CA RGA LUST** **S114629968**
9300 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	H G FENTON MATERIAL CO	9300 FRIARS RD
2011	H G FENTON MATERIAL CO	9300 FRIARS RD
2010	H G FENTON MATERIAL CO	9300 FRIARS RD
2009	H G FENTON MATERIAL CO	9300 FRIARS RD
2008	H G FENTON MATERIAL CO	9300 FRIARS RD
2007	H G FENTON MATERIAL CO	9300 FRIARS RD

H G FENTON MATERIAL CO (Continued) **S114629968**

2007	H G FENTON MATERIAL CO	9300 FRIARS RD
2007	H G FENTON MATERIAL CO	9300 FRIARS RD
2007	H G FENTON MATERIAL CO	9300 FRIARS RD
2006	H G FENTON MATERIAL CO	9300 FRIARS RD
2005	H G FENTON MATERIAL CO	9300 FRIARS RD

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19 **H.G. FENTON** **CA RGA LUST** **S114630050**
9300 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	H.G. FENTON	9300 FRIARS RD
2003	H.G. FENTON	9300 FRIARS RD

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19 **FENTON PROPERTIES** **CA RGA LUST** **S114619626**
9300 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	FENTON PROPERTIES	9300 FRIARS RD
2001	FENTON PROPERTIES	9300 FRIARS RD

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19 **H. G. FENTON** **CA RGA LUST** **S114630011**
9300 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	H. G. FENTON	9300 FRIARS RD
2003	H. G. FENTON	9300 FRIARS RD

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19 **H G FENTON MATERIAL CO** **CA SLIC** **S104749710**
7400 MURRAY CANYON RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/14/1998
Global Id:	T0608155308
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21131-001
Latitude:	32.775565
Longitude:	-117.158028

H G FENTON MATERIAL CO (Continued) **S104749710**

Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Not reported
Comp Number:	21131
Number:	Not reported
Board Of Equalization:	44-021669
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021131-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	2

Status:	Not reported
Comp Number:	21131
Number:	Not reported
Board Of Equalization:	44-021669
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021131-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	121131
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	677-390-07-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	11/30/2002
Facility Owner:	H G FENTON MATERIAL CO
Facility Address:	P O BOX 64

H G FENTON MATERIAL CO (Continued) **S104749710**

Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-4101
UST Owner:	H G FENTON MATERIAL CO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121131 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121131
Tank Type:	SINGLE WALL
Additional Id:	MC-D1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1958-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121131 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121131
Tank Type:	SINGLE WALL
Additional Id:	MC-D2
Capacity Gallons:	4000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1958-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H21131-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	4/14/1998
Date Began:	7/22/1988

19 **VALLEY RECYCLING** **CA San Diego Co. HMMD** **S106064441**
9310 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135035
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-135035
Last HMMD Inspection:	03/27/1997
Permit Status:	INAC
Permit Expiration:	03/27/1997
Facility Owner:	RESOURCE CONVERSION CORP.
Facility Address:	6755 MIRA MESA BLVD #1231 H
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121-4311
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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19 **SHEWEY ENV MGMT CO INC** **CA San Diego Co. HMMD** **S105539711**
9310 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	134894
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-134894
Last HMMD Inspection:	03/18/1998
Permit Status:	INAC
Permit Expiration:	03/18/1998
Facility Owner:	SHEWEY ENV MGMT CO INC
Facility Address:	9171 TOWN CENTER DR #300 #300
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92122-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

19 **MISSION VALLEY PLANT**
9300 FRIARS RD
SAN DIEGO, CA 92120

CA HIST CORTESE **S101301997**
CA LUST **N/A**
CA SLIC
CA SWEEPS UST
CA ENF
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2493

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3137

LUST:

Region:	STATE
Global Id:	T0607301905
Latitude:	32.7864594
Longitude:	-117.1215128
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/09/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3137
LOC Case Number:	H02325-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301905
Status:	Completed - Case Closed
Status Date:	03/09/2000

Global Id:	T0607301905
Status:	Open - Case Begin Date
Status Date:	08/18/1994

Regulatory Activities:

Global Id:	T0607301905
Action Type:	Other
Date:	08/18/1994
Action:	Leak Began

Global Id:	T0607301905
Action Type:	Other
Date:	08/18/1994
Action:	Leak Discovery

MISSION VALLEY PLANT (Continued) **S101301997**

Global Id:	T0607301905
Action Type:	Other
Date:	08/18/1994
Action:	Leak Stopped

Global Id:	T0607301905
Action Type:	ENFORCEMENT
Date:	11/29/1995
Action:	Notice of Responsibility

Global Id:	T0607301905
Action Type:	Other
Date:	08/18/1994
Action:	Leak Reported

Region:	STATE
Global Id:	T0607301245
Latitude:	32.7864594
Longitude:	-117.1215128
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/19/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2493
LOC Case Number:	H02325-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301245
Status:	Completed - Case Closed
Status Date:	05/19/2000

Global Id:	T0607301245
Status:	Open - Case Begin Date
Status Date:	07/26/1993

Regulatory Activities:

Global Id:	T0607301245
Action Type:	ENFORCEMENT
Date:	07/26/1993
Action:	Notice of Responsibility

Region:	STATE
Global Id:	T0607399247
Latitude:	32.7864594
Longitude:	-117.1215128
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed

MISSION VALLEY PLANT (Continued) **S101301997**

Status Date:	03/09/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT4064
LOC Case Number:	H02325-003
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607399247
Status:	Completed - Case Closed
Status Date:	03/09/2000

Global Id:	T0607399247
Status:	Open - Case Begin Date
Status Date:	08/31/1995

Regulatory Activities:

Global Id:	T0607399247
Action Type:	Other
Date:	08/31/1995
Action:	Leak Began

Global Id:	T0607399247
Action Type:	Other
Date:	08/31/1995
Action:	Leak Discovery

Global Id:	T0607399247
Action Type:	Other
Date:	08/31/1995
Action:	Leak Stopped

Global Id:	T0607399247
Action Type:	ENFORCEMENT
Date:	11/29/1995
Action:	Notice of Responsibility

Global Id:	T0607399247
Action Type:	Other
Date:	08/31/1995
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2950
Local Case:	H21130-002
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Not reported

MISSION VALLEY PLANT (Continued) **S101301997**

Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 06/21/1993
Date Stopped: 06/21/1993
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 6/23/93
Began Monitor: Not reported
Release Date: 06/21/1993
Enforce Date: Not reported
Closed Date: 6/23/93
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/09/2000
Global Id: T0608197271
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02325-004
Latitude: 32.785665
Longitude: -117.125304
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669

MISSION VALLEY PLANT (Continued) **S101301997**

Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002325-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 13

Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002325-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002325-000003
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002325-000004
Tank Status: A

MISSION VALLEY PLANT (Continued) **S101301997**

Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2325
Number:	9
Board Of Equalization:	44-021669
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002325-000005
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2325
Number:	9
Board Of Equalization:	44-021669
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002325-000006
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2325
Number:	9
Board Of Equalization:	44-021669
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002325-000008
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

MISSION VALLEY PLANT (Continued) **S101301997**

Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002325-000009
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002325-000010
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002325-000011
Tank Status: A
Capacity: 4000
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2325
Number: 9
Board Of Equalization: 44-021669
Referral Date: Not reported
Action Date: 06-26-92

MISSION VALLEY PLANT (Continued) **S101301997**

Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002325-000012
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2325
Number:	9
Board Of Equalization:	44-021669
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002325-000013
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2325
Number:	9
Board Of Equalization:	44-021669
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002325-000014
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

ENF:

Region:	9
Facility Id:	240981
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.791103
Place Longitude:	-117.098373
SIC Code 1:	1442

MISSION VALLEY PLANT (Continued) **S101301997**

SIC Desc 1:	Construction Sand and Gravel
SIC Code 2:	3273
SIC Desc 2:	Ready-Mixed Concrete
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	242740
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/17/2003

MISSION VALLEY PLANT (Continued) **S101301997**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	06/17/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000630
Description:	2002 O&M Procedures certification statement not signed.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	240981
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.791103
Place Longitude:	-117.098373
SIC Code 1:	1442
SIC Desc 1:	Construction Sand and Gravel
SIC Code 2:	3273
SIC Desc 2:	Ready-Mixed Concrete
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported

MISSION VALLEY PLANT (Continued) **S101301997**

Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	241375
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	03/29/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	03/29/2002
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000630
Description:	Annual fee invoice returned to State Board. Regional Board called facility for their correct address. A Form X was completed and SWIM will be updated.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

SAN DIEGO CO. HMMD:

Facility Id:	102325
Business Type:	Not reported
EPA Id Number:	CAD981462625
APN:	433-280-14-00
Last HMMD Inspection:	07/09/1998

MISSION VALLEY PLANT (Continued) **S101301997**

Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	H G FENTON MATERIAL
Facility Address:	P O BOX 64
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-4101
UST Owner:	H G FENTON MATERIAL
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102325 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	102325
Tank Type:	SINGLE WALL
Additional Id:	MV-D5
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-06-29 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 102325 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	102325
Tank Type:	SINGLE WALL
Additional Id:	MV-G2
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-06-29 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 102325 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	102325
Tank Type:	SINGLE WALL
Additional Id:	MV-S1 DEGREASING SOLVENT
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	DEGREASING SOLVENT

MISSION VALLEY PLANT (Continued) **S101301997**

Reg Status: REMOVED
Remove Close Date: 1993-06-29 00:00:00
Year Installed: 1958-01-01 00:00:00
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102325 T009
Last Update: 2012-11-02 14:17:38
Permit Number: 102325
Tank Type: SINGLE WALL
Additional Id: MV-01
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1993-06-29 00:00:00
Year Installed: 1963-01-01 00:00:00
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102325 T010
Last Update: 2012-11-02 14:17:38
Permit Number: 102325
Tank Type: SINGLE WALL
Additional Id: MV-02
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1993-06-29 00:00:00
Year Installed: 1963-01-01 00:00:00
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102325 T011
Last Update: 2012-11-02 14:17:38
Permit Number: 102325
Tank Type: SINGLE WALL
Additional Id: MV-03
Capacity Gallons: 4000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1993-06-29 00:00:00
Year Installed: 1963-01-01 00:00:00
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 07

MISSION VALLEY PLANT (Continued) **S101301997**

UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102325 T012
Last Update: 2012-11-02 14:17:38
Permit Number: 102325
Tank Type: SINGLE WALL
Additional Id: MV-W01
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1993-06-29 00:00:00
Year Installed: 1963-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102325 T013
Last Update: 2012-11-02 14:17:38
Permit Number: 102325
Tank Type: SINGLE WALL
Additional Id: MVS-22 SOLVENT
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1993-06-29 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102325 T014
Last Update: 2012-11-02 14:17:38
Permit Number: 102325
Tank Type: SINGLE WALL
Additional Id: MVW02
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1993-06-29 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SAN DIEGO CO. SAM:
Case Number: H02325-001

MISSION VALLEY PLANT (Continued) **S101301997**

Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/19/2000
Date Began:	7/29/1993
Case Number:	H02325-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/9/2000
Date Began:	8/18/1994
Case Number:	H02325-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/9/2000
Date Began:	8/31/1995
Case Number:	H02325-004
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	3/9/2000
Date Began:	11/20/1998

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19 **SOIL WASH TECHNOLOGIES** **CA San Diego Co. HMMD** **S105539710**
9310 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	134805
Business Type:	6HK70
EPA Id Number:	CAL000099215
APN:	DEH-134805
Last HMMD Inspection:	08/25/2000
Permit Status:	INAC
Permit Expiration:	12/31/2000
Facility Owner:	SOIL WASH TECHNOLOGY, INC.
Facility Address:	215 N MARENGO AV #110
Facility City:	PASADENA
Facility State:	CA
Facility Zip:	91101-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

19 **SHEWEY ENVIRONMENT FACILITY** **CA WMUDS/SWAT** **S102267018**
9310 FRIARS RD **N/A**
SAN DIEGO CA, CA 92108

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	CNSOIL
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	SHEWEY ENVIRONMENTAL MGMT
Agency Department:	Not reported
Agency Address:	7220 TRADE ST
Agency City,St,Zip:	SAN DIEGO CA 92112
Agency Contact:	PAUL SMITH
Agency Telephone:	6195662000
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Solid Waste Site-Class II - A solid waste facility at which designated wastes may be treated or stored.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.

SHEWEY ENVIRONMENT FACILITY (Continued) **S102267018**

Sub Chapter 15:	True
Regional Board Project Officer:	DFH
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	I
Self-Monitoring Rept. Frequency:	Irregular Submittal
Waste Discharge System ID:	9 000000628
Solid Waste Information ID:	Not reported

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19 **H G FENTON MATERIAL CO** **CA San Diego Co. HMMD** **S105539613**
9310 FRIARS RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	121130
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	DEH-121130
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	H G FENTON MATERIAL CO
Facility Address:	P O BOX 64
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-4101
UST Owner:	H G FENTON MATERIAL CO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121130 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121130
Tank Type:	UNKNOWN
Additional Id:	MVP-D6
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1993-06-21 00:00:00
Year Installed:	1968-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

SAN DIEGO CO. SAM:

Case Number:	H21130-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Private - VAP**

H G FENTON MATERIAL CO (Continued) **S105539613**

Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/17/1996
Date Began:	4/6/1994
Case Number:	H21130-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	6/23/1993
Date Began:	6/21/1993

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19 **A-1 SOILS** **CA San Diego Co. HMMD** **S105539531**
9310 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	105019
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-105019
Last HMMD Inspection:	01/23/1998
Permit Status:	INAC
Permit Expiration:	01/23/1998
Facility Owner:	A-1 SOILS CO
Facility Address:	PO BOX 639069
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92163-9069
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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19 **CLASS 2 SOIL TRTMENT FACILITY** **CA HIST CORTESE** **S102005503**
9310 FRIARS RD **CA LUST** **N/A**
SAN DIEGO, CA 92168 **CA LDS**
CA ENF
CA WMUDS/SWAT

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2950
Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000000628

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

LUST:

Region:	STATE
Global Id:	T0607301717
Latitude:	32.7864876
Longitude:	-117.1213576
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/23/1993
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2950
LOC Case Number:	H21130-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301717
Status:	Completed - Case Closed
Status Date:	06/23/1993
Global Id:	T0607301717
Status:	Open - Case Begin Date
Status Date:	06/21/1993

Regulatory Activities:

Global Id:	T0607301717
Action Type:	Other
Date:	06/21/1993
Action:	Leak Began
Global Id:	T0607301717
Action Type:	Other
Date:	06/21/1993
Action:	Leak Discovery
Global Id:	T0607301717
Action Type:	Other
Date:	06/21/1993
Action:	Leak Stopped
Global Id:	T0607301717
Action Type:	Other
Date:	06/21/1993
Action:	Leak Reported

LDS:

Global Id:	L10003934287
Latitude:	32.78269
Longitude:	-117.1337

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	03/17/2005
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Caseworker:	CLC
Local Agency:	Not reported
RB Case Number:	9 000000655
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10003934287
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Global Id:	L10002398978
Latitude:	32.78579
Longitude:	-117.1250
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	03/17/2005
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Caseworker:	CLC
Local Agency:	Not reported
RB Case Number:	9 000000628
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10002398978
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

ENF:

Region:	9
Facility Id:	214741
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Solid Waste Class II - designated wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	234568
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	10/19/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	11/21/2000
Termination Date:	10/19/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000655

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

Description:	NOV No. 2000-247. Failure to have appropriate cover of soil per WDR 95-59 Requirement B.21.d.4.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	214741
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Solid Waste Class II - designated wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	234567
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	10/19/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	11/21/2000
Termination Date:	10/19/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000655
Description:	NOV No. 2000-248. Failure to submit report per 13267 letter dated August 22, 2000.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	214741
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Solid Waste Class II - designated wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	234566
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	08/22/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	11/21/2000

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000655
Description:	13267 letter sent regarding disposal of soil at 15596 Sleepy Creek Road. Disposal site needs to comply with WDRs (Order No. 95-59) including covering material with engineered materials(e.g. road or building) or not less than 2 feet of clean fill.
Program:	LNDISP
Latest Milestone Completion Date:	11/21/2000
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	256792
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Solid Waste Class II - designated wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	32.785763
Place Longitude:	-117.125091
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	220337
Region:	9
Order / Resolution Number:	97-022
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/14/1997
Adoption/Issuance Date:	Not reported
Achieve Date:	11/10/1999
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000628
Description:	UNKNOWN
Program:	LNDISP
Latest Milestone Completion Date:	11/10/1999
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	214741
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Solid Waste Class II - designated wastes

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

Enforcement Id(EID):	235679
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	03/09/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	4/10/2001
Termination Date:	03/09/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000655
Description:	NOV 2001-61. Failure to comply with WDRs. Treated soil disposed at 15254 Oak Creek Road not covered.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	CNSOIL
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	SOIL WASH TECHNOLOGIES, INC
Agency Department:	Not reported
Agency Address:	215 N MARENGO AVE, #110
Agency City,St,Zip:	PASADENA CA 91101
Agency Contact:	NIEL KITCHEN
Agency Telephone:	8187932435
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported

CLASS 2 SOIL TRTMENT FACILITY (Continued) **S102005503**

Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Solid Waste Site-Class II - A solid waste facility at which designated wastes may be treated or stored.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	9511
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	DFH
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	9 000000655
Solid Waste Information ID:	Not reported

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19 **H G FENTON MATERIAL CO** **CA RGA LUST** **S114629969**
9310 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	H G FENTON MATERIAL CO	9310 FRIARS RD
2011	H G FENTON MATERIAL CO	9310 FRIARS RD
2010	H G FENTON MATERIAL CO	9310 FRIARS RD
2009	H G FENTON MATERIAL CO	9310 FRIARS RD
2008	H G FENTON MATERIAL CO	9310 FRIARS RD
2007	H G FENTON MATERIAL CO	9310 FRIARS RD
2006	H G FENTON MATERIAL CO	9310 FRIARS RD
2005	H G FENTON MATERIAL CO	9310 FRIARS RD

19 **SOIL WASH TECHNOLOGIES, INC.** **CA RGA LF** **S114732846**
9310-C FRIARS ROAD **N/A**
SAN DIEGO, CA

RGA LF:

2001	SOIL WASH TECHNOLOGIES, INC.	9310-C FRIARS ROAD
2000	SOIL WASH TECHNOLOGIES, INC.	9310-C FRIARS ROAD
1999	SOIL WASH TECHNOLOGIES, INC.	9310-C FRIARS ROAD
1998	SOIL WASH TECHNOLOGIES, INC.	9310-C FRIARS ROAD
1997	SOIL WASH TECHNOLOGIES, INC.	9310-C FRIARS ROAD

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19 **H.G. FENTON MATERIALS CO** **CA RGA LUST** **S114630046**
9310 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	H.G. FENTON MATERIALS CO	9310 FRIARS RD
2003	H.G. FENTON MATERIALS CO	9310 FRIARS RD
2002	H.G. FENTON MATERIALS CO	9310 FRIARS RD
2001	H.G. FENTON MATERIALS CO	9310 FRIARS RD
2000	H.G. FENTON MATERIALS CO	9310 FRIARS RD
1998	H.G. FENTON MATERIALS CO	9310 FRIARS RD
1997	H.G. FENTON MATERIALS CO	9310 FRIARS RD
1996	H.G. FENTON MATERIALS CO	9310 FRIARS RD
1995	H.G. FENTON MATERIALS CO	9310 FRIARS RD

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19 **MISSION VALLEY PLANT, PRIMARY** **CA HIST UST** **U001572763**
9310 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000009403
Facility Type:	Not reported
Other Type:	SAND & GRAVEL
Contact Name:	GEORGE GRIGGS
Telephone:	6192988824
Owner Name:	H.G. FENTON MATERIAL CO.
Owner Address:	702 W. WASHINGTON ST.
Owner City,St,Zip:	SAN DIEGO, CA 92103
Total Tanks:	0001
Tank Num:	001
Container Num:	MVP-D6
Year Installed:	1968
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

19 **HANSON AGGREGATES INC** **CA HAZNET** **S112913940**
9310 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112913940
Year:	2001
GEPAID:	CAC002346489
Contact:	JAMES DUGUAY/EFR ENVIRON
Telephone:	6199562770
Mailing Name:	Not reported
Mailing Address:	PO BOX 639069
Mailing City,St,Zip:	SAN DIEGO, CA 921630000
Gen County:	Not reported
TSD EPA ID:	AZR000035915
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	0.41
Facility County:	San Diego

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19 **SUPREME OIL CO INC** **CA HAZNET** **S112908275**
9310 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112908275
Year:	2000
GEPAID:	CAC002271569
Contact:	MATT PORTTEUS/FOSS ENV SVC
Telephone:	6192343677
Mailing Name:	Not reported
Mailing Address:	7525 METROPOLITAN STE 304
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	0.04
Facility County:	San Diego

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19 **SHEWEY ENVIRONMENTAL MANAGEMENT CO., INC** **CA RGA LF** **S114732638**
9310 FRIARS ROAD **N/A**
SAN DIEGO, CA

RGA LF:

1998	SHEWEY ENVIRONMENTAL MANAGEMENT CO., INC	9310 FRIARS ROAD
1997	SHEWEY ENVIRONMENTAL MANAGEMENT CO., INC	9310 FRIARS ROAD

19 **FJ WILLERT CONST. CO. INC.** **CA San Diego Co. HMMD** **S106064626**
9301 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135600
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	DEH-135600
Last HMMD Inspection:	04/22/1998
Permit Status:	INAC
Permit Expiration:	09/30/1999
Facility Owner:	F.J. WILLERT
Facility Address:	1869 NIRVANA AV
Facility City:	CHULA VISTA
Facility State:	CA
Facility Zip:	91911-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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19 **BRH-GARVER INC** **CA San Diego Co. HMMD** **S101541376**
9301 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	134842
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-134842
Last HMMD Inspection:	08/22/1995
Permit Status:	INAC
Permit Expiration:	11/30/1995
Facility Owner:	C M GARVER
Facility Address:	5694 MISSION CENTER RD #423
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

19 **PREMIXED CONCRETE CO** **CA HAZNET** **S112841809**
9301 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112841809
Year:	1994
GEPAID:	CAC000739616
Contact:	PREMIXED CONCRETE INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	9301 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	5.0040
Facility County:	San Diego

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19 **A-1 SOILS CO** **CA HAZNET** **S112885476**
9301 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112885476
Year:	1997
GEPAID:	CAC001365832
Contact:	A-1 SOILS CO
Telephone:	6195367504
Mailing Name:	Not reported
Mailing Address:	9301 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	.4170
Facility County:	San Diego

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19 **FIRE STATION 45** **CA NPDES** **S115950622**
9366 FRIARS ROAD **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	443779
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C368854
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported

FIRE STATION 45 (Continued) **S115950622**

Effective Date Of Regulatory Measure:	02/04/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	City of San DiegoEngineering and Capital Projects Department
Discharge Address:	9485 Aero Dr
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92123
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported

FIRE STATION 45 (Continued) **S115950622**

RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	443779
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C368854
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	01/31/2014
PROCESSED DATE:	02/04/2014
STATUS CODE NAME:	Active
STATUS DATE:	02/04/2014
PLACE SIZE:	1.54
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Tommy Ruiz
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-565-5016
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	truiz@echopacific.com
OPERATOR NAME:	City of San DiegoEngineering and Capital Projects Department
OPERATOR ADDRESS:	9485 Aero Dr
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123
OPERATOR CONTACT NAME:	Dave Zoumaras
OPERATOR CONTACT TITLE:	Deputy Director
OPERATOR CONTACT PHONE:	858-627-3201
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	DZoumaras@sandiego.gov
OPERATOR TYPE:	City/Town Agency
DEVELOPER NAME:	Echo Pacific Constructin
DEVELOPER ADDRESS:	1230 Simpson Way
DEVELOPER CITY:	Escondido
DEVELOPER STATE:	California
DEVELOPER ZIP:	92029
DEVELOPER CONTACT NAME:	Tommy Ruiz
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N

FIRE STATION 45 (Continued) **S115950622**

EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Fire Station
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Dave Zoumaras
CERTIFIER TITLE:	Deputy Director
CERTIFICATION DATE:	31-JAN-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

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20 **WESTERN IMAGE PAINTING INC** **CA HAZNET** **S112937159**
2637 MATERA LANE **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112937159
Year:	2004
GEPAID:	CAC002576918
Contact:	PAT CARMICHAEL
Telephone:	7605979050
Mailing Name:	Not reported
Mailing Address:	1341 DISTRIBUTION WAY STE 18
Mailing City,St,Zip:	VISTA, CA 92081
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Recycler
Tons:	0.15
Facility County:	San Diego

20 **AMERICAN DESIGN COATINGS, INC.** **CA HAZNET** **S113133027**
2647 BELLEZZA WAY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113133027
Year:	2005
GEPAID:	CAL000284376
Contact:	MIKE HUNSINGER
Telephone:	8586742200
Mailing Name:	Not reported
Mailing Address:	12225 WORLD TRADE DR STE A
Mailing City,St,Zip:	SAN DIEGO, CA 921280000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Recycler
Tons:	1.14
Facility County:	San Diego

envid:	S113133027
Year:	2005
GEPAID:	CAL000284376
Contact:	MIKE HUNSINGER
Telephone:	8586742200
Mailing Name:	Not reported
Mailing Address:	12225 WORLD TRADE DR STE A
Mailing City,St,Zip:	SAN DIEGO, CA 921280000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	1.14
Facility County:	San Diego

envid:	S113133027
Year:	2004
GEPAID:	CAL000284376
Contact:	MIKE HUNSINGER
Telephone:	8586742200
Mailing Name:	Not reported
Mailing Address:	12225 WORLD TRADE DR STE A
Mailing City,St,Zip:	SAN DIEGO, CA 921280000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Recycler
Tons:	1.04
Facility County:	San Diego

21 | **CA CHMIRS** | **S107450125** | **N/A**

4285 CAMINO DEL RIO SOUTH
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	04-4418
OES notification:	08/25/2004
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	San Diego Gas and Electric
Incident Date:	8/25/200412:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Mineral Oil
Gallons:	80
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S107450125**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released from two pad mounted transformers due to accident.

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21 **ERNS** **2004733006**
4285 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92115

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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21 **LEASEWAY TRANSPORTATION** **CA LUST** **S101301919**
4285 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT396
Local Case:	H05087-002
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	08/22/1986
Date Stopped:	09/01/1986
Confirm Date:	11/01/1989
Submit Workplan:	Not reported
Prelim Assess:	06/01/1993
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/03/1986
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported

LEASEWAY TRANSPORTATION (Continued) **S101301919**

Pilot Program: LOP
Basin Number: 907.11
GW Depth: 14
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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21 **PENSKE TRUCK LEASING INC** **CA LUST** **U003789193**
4285 CAMINO DEL RIO S **CA SLIC** **N/A**
SAN DIEGO, CA 92108 **CA UST**
CA SWEEPS UST
CA SAN DIEGO CO. SAM

LUST:
Region: STATE
Global Id: T0607302708
Latitude: 32.777644
Longitude: -117.101785
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/23/2002
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT396
LOC Case Number: H05087-002
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302708
Status: Completed - Case Closed
Status Date: 05/23/2002

Global Id: T0607302708
Status: Open - Case Begin Date
Status Date: 11/08/1989

Regulatory Activities:
Global Id: T0607302708
Action Type: Other
Date: 11/08/1989
Action: Leak Began

Global Id: T0607302708
Action Type: Other
Date: 11/08/1989
Action: Leak Discovery

Global Id: T0607302708

PENSKE TRUCK LEASING INC (Continued) **U003789193**

Action Type:	ENFORCEMENT
Date:	11/17/1989
Action:	Notice of Responsibility
Global Id:	T0607302708
Action Type:	Other
Date:	11/08/1989
Action:	Leak Stopped
Global Id:	T0607302708
Action Type:	Other
Date:	11/20/1989
Action:	Leak Reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/31/1987
Global Id:	T0608113766
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05087-001
Latitude:	32.777691
Longitude:	-117.101893
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

UST:

Facility ID:	H05087
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.7790664
Longitude:	-117.1007736

SWEEPS UST:

Status:	Active
Comp Number:	5087
Number:	9
Board Of Equalization:	44-015979
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005087-000004
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P

PENSKE TRUCK LEASING INC (Continued) **U003789193**

Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 5087
Number: 9
Board Of Equalization: 44-015979
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005087-000005
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 5087
Number: Not reported
Board Of Equalization: 44-015979
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005087-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 3

Status: Not reported
Comp Number: 5087
Number: Not reported
Board Of Equalization: 44-015979
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005087-000002
Tank Status: Not reported
Capacity: 7000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 5087
Number: Not reported

PENSKE TRUCK LEASING INC (Continued) **U003789193**

Board Of Equalization: 44-015979
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005087-000003
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

SAN DIEGO CO. SAM:
Case Number: H05087-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 8/31/1987
Date Began: 9/2/1986

Case Number: H05087-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/23/2002
Date Began: 11/8/1989

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21 **PENSKE TRUCK LEASING CO LP** **CA AST** **S106060470**
4285 CAMINO DEL RIO **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

AST:
Certified Unified Program Agencies: San Diego
Owner: PENSKE TRUCK LEASING INC
Total Gallons: 2000

SAN DIEGO CO. HMMD:
Facility Id: 105087
Business Type: 6HK17
EPA Id Number: CAD063121388
APN: 461-350-05-00
Last HMMD Inspection: 04/17/2012
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: PENSKE TRUCK LEASING INC
Facility Address: RT 10 GREEN HILLS, PO BOX 7635
Facility City: READING
Facility State: PA
Facility Zip: 19603-7635
UST Owner: PENSKE TRUCK LEASING
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Y

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 105087 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 105087
Tank Type: DOUBLE WALL
Additional Id: 1
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1989-01-11 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 105087 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 105087
Tank Type: UNKNOWN
Additional Id: 550
Capacity Gallons: 7000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1989-01-11 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 105087 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 105087
Tank Type: UNKNOWN
Additional Id: 3
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1989-01-11 00:00:00
Year Installed: 1980-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105087 T004
Last Update: 2012-11-02 14:17:38

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Permit Number:	105087
Tank Type:	DOUBLE WALL
Additional Id:	4 ; RT2531
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105087 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105087
Tank Type:	DOUBLE WALL
Additional Id:	5 ; RT2531
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 105087 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GEAR LUBE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, O2,99%, COMPRESSED GAS:
Other Information:	Not reported
Material Waste:	Material

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: SAFETY-KLEEN AQUEOUS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE/ NAPA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 74-87-2
Name: ACETYLENE, C2H2, 99%, COMPRESSED GAS:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 105087 T004
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: OIL/ WATER CLARIFIER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: MIXTURE
Name: OIL, LUBRICATING: MOTOR, ATF, GEAR
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRUCK WASH SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ANTIFREEZE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	7666939
Name:	BATTERIES
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ASBORBENT, GREASE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ZEPEXTRA FLOOR DEGREASER/CLEANER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL, H0CH2CH20H, 95%:
Other Information:	ENGINE COOLANT ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Name:	GREASE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL EXHAUST FLUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRANSMISSION FLUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	BRAKE CLEANING SOLVENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	105087
Update Date:	11/02/2012
Case Number:	811-97-2
Name:	REFRIGERANT
Other Information:	R134
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	105087
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	USED ANTIFREEZE COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	105087
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED AUTO OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 105087
Update Date: 11/02/2012
Inspection Date: 12/09/2009
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Facility Id: 105087
Update Date: 11/02/2012
Inspection Date: 04/17/2012
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Facility Id: 105087
Update Date: 11/02/2012
Inspection Date: 04/14/2006
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 105087
Update Date: 11/02/2012
Inspection Date: 04/12/2007
Violation Code: 6HV3108
Violation: UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation: Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity: ACTIVE

Facility Id: 105087
Update Date: 11/02/2012
Inspection Date: 05/18/2011
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

	66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/14/2006
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/14/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/07/2010
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	08/03/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/18/2011
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/18/2011
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Inspection Date:	12/09/2009
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/17/2012
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/18/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	09/01/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/21/2005
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/14/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/07/2010
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE

Facility Id:	105087

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Facility Id:	105087
Business Type:	6HK17
EPA Id Number:	CAD063121388
APN:	461-350-05-00
Last HMMD Inspection:	04/17/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	PENSKE TRUCK LEASING INC
Facility Address:	RT 10 GREEN HILLS, PO BOX 7635
Facility City:	READING
Facility State:	PA
Facility Zip:	19603-7635
UST Owner:	PENSKE TRUCK LEASING
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105087 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105087
Tank Type:	DOUBLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-01-11 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105087 T002
Last Update:	2012-11-02 14:17:38

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Permit Number:	105087
Tank Type:	UNKNOWN
Additional Id:	550
Capacity Gallons:	7000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-01-11 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 105087 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	105087
Tank Type:	UNKNOWN
Additional Id:	3
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-01-11 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 105087 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	105087
Tank Type:	DOUBLE WALL
Additional Id:	4 ; RT2531
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105087 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105087
Tank Type:	DOUBLE WALL
Additional Id:	5 ; RT2531
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1989-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 105087 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: GEAR LUBE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, O2,99%, COMPRESSED GAS:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: SAFETY-KLEEN AQUEOUS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE/ NAPA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Case Number: 74-87-2
Name: ACETYLENE, C2H2, 99%, COMPRESSED GAS:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 105087 T004
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: OIL/ WATER CLARIFIER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: MIXTURE
Name: OIL, LUBRICATING: MOTOR, ATF, GEAR
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: TRUCK WASH SOAP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 7666939
Name: BATTERIES
Other Information: Not reported

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ASBORBENT, GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: ZEPEXTRA FLOOR DEGREASER/CLEANER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL, H0CH2CH20H, 95%:
Other Information: ENGINE COOLANT ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: GREASE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL EXHAUST FLUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: TRANSMISSION FLUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: BRAKE CLEANING SOLVENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 811-97-2
Name: REFRIGERANT
Other Information: R134
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 105087
Update Date: 11/02/2012
Case Number: 107-21-1
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: USED ANTIFREEZE COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 105087
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED AUTO OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 105087
Update Date: 11/02/2012
Inspection Date: 12/09/2009
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: ACTIVE

Facility Id: 105087
Update Date: 11/02/2012
Inspection Date: 04/17/2012

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/14/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/18/2011
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/14/2006
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/14/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Inspection Date:	05/07/2010
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	08/03/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional.

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

	2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/18/2011
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/18/2011
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/17/2012
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/18/2011
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	09/01/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV3105

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/21/2005
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/12/2007
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained

PENSKE TRUCK LEASING CO LP (Continued) **S106060470**

	onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	12/09/2009
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	04/14/2006
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/07/2010
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	05/16/2008
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE
Facility Id:	105087
Update Date:	11/02/2012
Inspection Date:	02/04/2003
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

21 **PHD/LEASEWAY** **CA HIST UST** **U001572767**
4285 CAMINO DEL RIO SOUTH **N/A**
MISSION VALLEY, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000067624
Facility Type:	Other
Other Type:	TRANSPORTATION
Contact Name:	Not reported
Telephone:	6192837161
Owner Name:	MARYBELLE COX
Owner Address:	2708 SHELL STREET
Owner City,St,Zip:	MISSION VALLEY, CA 92108
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	4
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	2
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1966
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

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21 **PENSKE TRUCK LEASING CO., L.P.** **CA HAZNET** **S113001304**
4285 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113001304
Year:	2013
GEPAID:	CAD063121388
Contact:	Rita J Trupp
Telephone:	6107756409
Mailing Name:	Not reported
Mailing Address:	Route 10, Green Hills
Mailing City,St,Zip:	Reading, PA 196037635
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Not reported

PENSKE TRUCK LEASING CO., L.P. (Continued) **S113001304**

Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.025
Facility County:	Not reported
envid:	S113001304
Year:	2013
GEPAID:	CAD063121388
Contact:	Rita J Trupp
Telephone:	6107756409
Mailing Name:	Not reported
Mailing Address:	Route 10, Green Hills
Mailing City,St,Zip:	Reading, PA 196037635
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.0525
Facility County:	Not reported
envid:	S113001304
Year:	2013
GEPAID:	CAD063121388
Contact:	Rita J Trupp
Telephone:	6107756409
Mailing Name:	Not reported
Mailing Address:	Route 10, Green Hills
Mailing City,St,Zip:	Reading, PA 196037635
Gen County:	San Diego
TSD EPA ID:	CAT000613976
TSD County:	Orange
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1428
Facility County:	Not reported
envid:	S113001304
Year:	2013
GEPAID:	CAD063121388
Contact:	Rita J Trupp
Telephone:	6107756409
Mailing Name:	Not reported
Mailing Address:	Route 10, Green Hills
Mailing City,St,Zip:	Reading, PA 196037635
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4116
Facility County:	Not reported
envid:	S113001304
Year:	2013

PENSKE TRUCK LEASING CO., L.P. (Continued) **S113001304**

GEPAID: CAD063121388
Contact: Rita J Trupp
Telephone: 6107756409
Mailing Name: Not reported
Mailing Address: Route 10, Green Hills
Mailing City,St,Zip: Reading, PA 196037635
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.45
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
82 additional CA_HAZNET: record(s) in the EDR Site Report.

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21 **PENSKE TRUCK LEASING CO LP** **RCRA-SQG 1000383078**
4285 CAMINO DEL RIO SOUTH **FINDS CAD063121388**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: PENSKE TRUCK LEASING CO LP
Facility address: 4285 CAMINO DEL RIO SOUTH
SAN DIEGO, CA 92120
EPA ID: CAD063121388
Mailing address: P O BOX 20008
SAN DIEGO, CA 92120
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: LEASEWAY TRANSPORTATION CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED

PENSKE TRUCK LEASING CO LP (Continued) **1000383078**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/24/1991
Site name: PENSKE TRUCK LEASING CO., L.P.
Classification: Large Quantity Generator

Date form received by agency: 11/06/1985
Site name: PENSKE TRUCK LEASING CO LP
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/06/1994
Date achieved compliance: 07/06/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 01/10/1992
Date achieved compliance: 07/06/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

PENSKE TRUCK LEASING CO LP (Continued) **1000383078**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/21/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/06/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/06/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 01/10/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/06/1994
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002653405

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

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21 **LEASEWAY TRANSPORTATION** **CA HIST CORTESE** **S104746099**
4285 CAMINO DEL RIO **N/A**
SAN DEIGO, CA 92120

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT396

21 | **CA CHMIRS** | **S100219768** | **N/A**

I-8 EAST @ FAIRMONT AVENUE
SAN DIEGO, CA 92117

CHMIRS:

OES Incident Number:	9010507
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	25-APR-90
Date Completed:	**25-APR-90**
Property Use:	961
Agency Id Number:	37140
Agency Incident Number:	053454
Time Notified:	619
Time Completed:	714
Surrounding Area:	500
Estimated Temperature:	65
Property Management:	S
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	WHITE FREIGHTLINER
Vehicle License Number:	1N99133
Vehicle State:	CA
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	RALPHS
Reporting Officer Name/ID:	GREG DONNELLY
Report Date:	26-APR-90
Facility Telephone:	619 533-4300
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	13-MAY-91
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

(Continued) **S100219768**

Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

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21 **QUICKI OIL CHANGE** **CA AST** **A100346064**
4232 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

AST:

Certified Unified Program Agencies:	San Diego
Owner:	MITCH MOSHTAGHI
Total Gallons:	5040

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21 **EDR US Hist Cleaners** **1015059535**
4242 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	ROYAL TOUCH DELUXE DRY CLNR
Year:	2001
Address:	4242 CAMINO DEL RIO N
Name:	ROYAL TOUCH DELUXE DRY CLNR
Year:	2002
Address:	4242 CAMINO DEL RIO N
Name:	THE ROYAL TOUCH DLX DRY CLNR
Year:	2003
Address:	4242 CAMINO DEL RIO N
Name:	THE ROYAL TOUCH DLX DRY CLNR
Year:	2004
Address:	4242 CAMINO DEL RIO N
Name:	ROYAL TOUCH DRY CLEANERS
Year:	2005
Address:	4242 CAMINO DEL RIO N
Name:	ROYAL TOUCH DRY CLEANERS
Year:	2006
Address:	4242 CAMINO DEL RIO N
Name:	ROYAL TOUCH DRY CLEANERS
Year:	2007
Address:	4242 CAMINO DEL RIO N
Name:	ROYAL TOUCH DRY CLEANERS

(Continued) **1015059535**

Year: 2008
Address: 4242 CAMINO DEL RIO N

Name: ROYAL TOUCH DELUXE DRY CLNRS
Year: 2010
Address: 4242 CAMINO DEL RIO N

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21 **BODY BEAUTIFUL CAR WASH** **CA SWEEPS UST** **S106923460**
4282 N CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:
Status: Active
Comp Number: 26534
Number: 9
Board Of Equalization: 44-023695
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-026534-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 26534
Number: 9
Board Of Equalization: 44-023695
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-026534-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 26534
Number: 9
Board Of Equalization: 44-023695
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-026534-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported

BODY BEAUTIFUL CAR WASH (Continued) **S106923460**

Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	26534
Number:	9
Board Of Equalization:	44-023695
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-026534-000004
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

---

21 **BODY BEAUTIFUL CAR WASH INC** **FINDS** **1006823775**
4282 CAMINO DEL RIO N **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA UST**
CA EMI
CA SAN DIEGO CO. SAM

FINDS:

Registry ID: 110013823470

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

LUST:

Region:	STATE
Global Id:	T0607386532
Latitude:	32.780262
Longitude:	-117.102365
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/27/2013
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	EM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H26534-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Diesel
Site History:	MTBE contamination was discovered following replacement of USTs. Site assessment and monitoring indicates that the MTBE plume is of limited extent and is decreasing in concentration. No other hydrocarbon constituents have been found. MtBE estimated to degrade by June 2015.

BODY BEAUTIFUL CAR WASH INC (Continued) **1006823775**

CAP for natural attentuation approved.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607386532
Contact Type:	Local Agency Caseworker
Contact Name:	EWAN MOFFAT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ewan.moffat@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607386532
Status:	Completed - Case Closed
Status Date:	03/27/2013
Global Id:	T0607386532
Status:	Open - Verification Monitoring
Status Date:	07/01/2003
Global Id:	T0607386532
Status:	Open - Verification Monitoring
Status Date:	06/21/2011
Global Id:	T0607386532
Status:	Open - Case Begin Date
Status Date:	11/05/2002
Global Id:	T0607386532
Status:	Open - Remediation
Status Date:	05/29/2008
Global Id:	T0607386532
Status:	Open - Remediation
Status Date:	06/21/2011

Regulatory Activities:

Global Id:	T0607386532
Action Type:	Other
Date:	11/05/2002
Action:	Leak Began
Global Id:	T0607386532
Action Type:	ENFORCEMENT
Date:	04/26/2011
Action:	Letter - Notice
Global Id:	T0607386532
Action Type:	ENFORCEMENT
Date:	12/01/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607386532
Action Type:	ENFORCEMENT

BODY BEAUTIFUL CAR WASH INC (Continued) **1006823775**

Date: 02/01/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607386532
Action Type: Other
Date: 11/05/2002
Action: Leak Discovery

Global Id: T0607386532
Action Type: REMEDIATION
Date: 11/14/2002
Action: Excavation

Global Id: T0607386532
Action Type: ENFORCEMENT
Date: 04/06/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607386532
Action Type: ENFORCEMENT
Date: 11/07/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607386532
Action Type: Other
Date: 11/05/2002
Action: Leak Stopped

Global Id: T0607386532
Action Type: ENFORCEMENT
Date: 11/03/2003
Action: Notice of Responsibility

Global Id: T0607386532
Action Type: ENFORCEMENT
Date: 03/27/2013
Action: Closure/No Further Action Letter

Global Id: T0607386532
Action Type: Other
Date: 11/12/2002
Action: Leak Reported

Global Id: T0607386532
Action Type: ENFORCEMENT
Date: 11/03/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607386532
Action Type: ENFORCEMENT
Date: 11/17/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607386532
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

BODY BEAUTIFUL CAR WASH INC (Continued) **1006823775**

Global Id: T0607386532
Action Type: RESPONSE
Date: 06/19/2010
Action: CAP/RAP - Other Report

Global Id: T0607386532
Action Type: RESPONSE
Date: 11/12/2010
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0607386532
Action Type: RESPONSE
Date: 09/23/2011
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

UST:
Facility ID: H26534
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.781613
Longitude: -117.101046

EMI:
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 88010
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 88010
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 5
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

BODY BEAUTIFUL CAR WASH INC (Continued) **1006823775**

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541

BODY BEAUTIFUL CAR WASH INC (Continued) **1006823775**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.8509748
Reactive Organic Gases Tons/Yr:	4.8509748
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.8509748
Reactive Organic Gases Tons/Yr:	4.8509748
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.34
Reactive Organic Gases Tons/Yr:	2.34
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.34
Reactive Organic Gases Tons/Yr:	2.34
Carbon Monoxide Emissions Tons/Yr:	0

BODY BEAUTIFUL CAR WASH INC (Continued) **1006823775**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.34
Reactive Organic Gases Tons/Yr:	2.34
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3399999999999999
Reactive Organic Gases Tons/Yr:	2.3399999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3399999999999999
Reactive Organic Gases Tons/Yr:	2.3399999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011

BODY BEAUTIFUL CAR WASH INC (Continued) **1006823775**

County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.34
Reactive Organic Gases Tons/Yr:	2.34
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	88010
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.34
Reactive Organic Gases Tons/Yr:	2.34
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H26534-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Remedial Investigation
Date:	3/23/2006
Date Began:	11/5/2002

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21 **EDR US Hist Auto Stat** **1015490929**

4282 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	MOBIL OIL CORPORATION SERVICE STATIONS
Year:	1999
Address:	4282 CAMINO DEL RIO N

Name:	MOBIL OIL CORPORATION SERVICE STATIONS
Year:	2000
Address:	4282 CAMINO DEL RIO N

21 **ANGELICA HEALTHCARE SERVICE GROUP** **EDR US Hist Cleaners** **1009130376**
5802 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	BLUE SEAL LAUNDRY & DRY CLEANERS
Year:	1961
Type:	LAUNDRIES
Name:	BLUE SEAL LAUNDRY & DRY CLEANERS
Year:	1975
Type:	LAUNDRIES AND DRY CLEANERS
Name:	ANGELICA HEALTHCARE SERVICE GROUP
Year:	1984
Type:	LAUNDRIES AND DRY CLEANERS

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21 **EDR US Hist Auto Stat** **1015560830**
5812 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	CALIFORNIA AUTO SOURCE
Year:	2003
Address:	5812 FAIRMOUNT AVE

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21 **SAN DIEGO DATSUN** **CA HIST UST** **1000110744**
5812 FAIRMOUNT AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120

HIST UST:

Region:	STATE
Facility ID:	00000038831
Facility Type:	Other
Other Type:	AUTOMOBILE DEALERSHI
Contact Name:	Not reported
Telephone:	6192802252
Owner Name:	ECONOMY CAR CENTER, INC
Owner Address:	5812 N. FAIRMOUNT
Owner City,St,Zip:	SAN DIEGO, CA 92120
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1972
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1972
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported

SAN DIEGO DATSUN (Continued) **1000110744**

Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 003
Container Num: 3
Year Installed: 1972
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

SWEEPS UST:
Status: Active
Comp Number: 13251
Number: 9
Board Of Equalization: 44-022739
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013251-000004
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 1

Status: Not reported
Comp Number: 13251
Number: Not reported
Board Of Equalization: 44-022739
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013251-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 3

Status: Not reported
Comp Number: 13251
Number: Not reported
Board Of Equalization: 44-022739
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013251-000002
Tank Status: Not reported
Capacity: 2000

SAN DIEGO DATSUN (Continued) **1000110744**

Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13251
Number: Not reported
Board Of Equalization: 44-022739
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013251-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

---

21 **SAN DIEGO NISSAN** **RCRA NonGen / NLR** **1000110733**
5812 N FAIRMOUNT **FINDS** **CAD981686967**
SAN DIEGO, CA 92120 **CA HIST CORTESE**
CA LUST
CA HAZNET

RCRA NonGen / NLR:
Date form received by agency: 09/10/1996
Facility name: SAN DIEGO NISSAN
Facility address: 5812 N FAIRMOUNT
SAN DIEGO, CA 92120
EPA ID: CAD981686967
Mailing address: N FAIRMOUNT
SAN DIEGO, CA 92120
Contact: ROBERT T EHERENFELDT
Contact address: 5812 N FAIRMOUNT
SAN DIEGO, CA 92120
Contact country: US
Contact telephone: (619) 280-2252
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ROBERT EHERENFELDT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

SAN DIEGO NISSAN (Continued) **1000110733**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002752879

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT847

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT847
Local Case: H13251-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported

SAN DIEGO NISSAN (Continued) **1000110733**

Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 11/16/1987
Date Stopped: 11/16/1987
Confirm Date: 11/25/1987
Submit Workplan: Not reported
Prelim Assess: 12/07/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/25/1987
Enforce Date: Not reported
Closed Date: 1/19/88
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File archived, case closed and file moved to storage
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HAZNET:
envid: 1000110733
Year: 1996
GEPAID: CAD981686967
Contact: SAN DIEGO NISSAN
Telephone: 6192802252
Mailing Name: Not reported
Mailing Address: 5202 KEARNY MESA RD
Mailing City,St,Zip: SAN DIEGO, CA 921111801
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: .0166
Facility County: San Diego

envid: 1000110733
Year: 1996
GEPAID: CAD981686967
Contact: SAN DIEGO NISSAN
Telephone: 6192802252
Mailing Name: Not reported
Mailing Address: 5202 KEARNY MESA RD
Mailing City,St,Zip: SAN DIEGO, CA 921111801
Gen County: Not reported

SAN DIEGO NISSAN (Continued) **1000110733**

TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 3.4110
Facility County: San Diego

envid: 1000110733
Year: 1996
GEPAID: CAD981686967
Contact: SAN DIEGO NISSAN
Telephone: 6192802252
Mailing Name: Not reported
Mailing Address: 5202 KEARNY MESA RD
Mailing City,St,Zip: SAN DIEGO, CA 921111801
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Tons: .0625
Facility County: San Diego

envid: 1000110733
Year: 1995
GEPAID: CAD981686967
Contact: SAN DIEGO NISSAN
Telephone: 6192802252
Mailing Name: Not reported
Mailing Address: 5202 KEARNY MESA RD
Mailing City,St,Zip: SAN DIEGO, CA 921111801
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: 3.5652
Facility County: San Diego

envid: 1000110733
Year: 1995
GEPAID: CAD981686967
Contact: SAN DIEGO NISSAN
Telephone: 6192802252
Mailing Name: Not reported
Mailing Address: 5202 KEARNY MESA RD
Mailing City,St,Zip: SAN DIEGO, CA 921111801
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .7506
Facility County: San Diego

SAN DIEGO NISSAN (Continued) **1000110733**

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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21 **ATLAS TOW SERVICE SAN DIEGO** **EDR US Hist Auto Stat** **1008996886**
5882 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: ATLAS TOW SERVICE SAN DIEGO
Year: 1961
Type: AUTOMOBILE REPAIRING

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21 **SHELL OIL CO** **RCRA-SQG** **1000288337**
5820 MISSION GORGE/FAIRMONT **CAD981158611**
SAN DIEGO, CA 92120

RCRA-SQG:
Date form received by agency: 04/08/1998
Facility name: SHELL OIL CO
Facility address: 5820 MISSION GORGE/FAIRMONT
SAN DIEGO, CA 92120
EPA ID: CAD981158611
Mailing address: P O BOX 4453
HOUSTON, TX 772104453
Contact: SONDRA BIENVENU
Contact address: P O BOX 4453
HOUSTON, TX 772104453
Contact country: US
Contact telephone: (713) 241-2258
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EQUILON ENTERPRISES LLC
Owner/operator address: P O BOX 4453
HOUSTON, TX 77210
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-2258
Legal status: Private
Owner/Operator Type: Owner

SHELL OIL CO (Continued) **1000288337**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 09/01/1996
Site name: SHELL OIL CO
Classification: Small Quantity Generator

Violation Status: No violations found

---

21 **DCH HONDA OF MISSION VALLEY** **RCRA-LQG** **1010313485**
5812 MISSION GORGE RD **FINDS** **CAR000144865**
SAN DIEGO, CA 92120 **CA HAZNET**

RCRA-LQG:
Date form received by agency: 04/26/2006
Facility name: HONDA MISSION VALLEY
Facility address: 5812 MISSION GORGE RD
SAN DIEGO, CA 92120
EPA ID: CAR000144865
Contact: JOHN K HENDREN
Contact address: 5812 MISSION GORGE RD
SAN DIEGO, CA 92120
Contact country: US
Contact telephone: 619-563-1095
Telephone ext.: 339
Contact email: JHENDREN@UNITEDAUTO.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely

DCH HONDA OF MISSION VALLEY (Continued) **1010313485**

hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	HONDA MISSION VALLEY
Owner/operator address:	5812 MISSION GORGE RD
	SAN DIEGO, CA 92120
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/09/2006
Owner/Op end date:	Not reported

Owner/operator name:	HONDA MISSION VALLEY
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/09/2006
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

Historical Generators:

Date form received by agency:	05/09/2003
Site name:	CUSH HONDA SAN DIEGO
Classification:	Small Quantity Generator

. Waste code:	D002
. Waste name:	CORROSIVE WASTE

DCH HONDA OF MISSION VALLEY (Continued) **1010313485**

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110059750782

Environmental Interest/Information System
STATE MASTER

HAZNET:

envid: 1010313485
Year: 2008
GEPAID: CAR000144865
Contact: JOHN HENDREN
Telephone: 6195631095
Mailing Name: Not reported
Mailing Address: 5812 MISSION GORGE RD
Mailing City,St,Zip: SAN DIEGO, CA 921204200
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.7644
Facility County: San Diego

envid: 1010313485
Year: 2008
GEPAID: CAR000144865
Contact: JOHN HENDREN
Telephone: 6195631095
Mailing Name: Not reported
Mailing Address: 5812 MISSION GORGE RD
Mailing City,St,Zip: SAN DIEGO, CA 921204200
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.7644
Facility County: San Diego

envid: 1010313485
Year: 2008
GEPAID: CAR000144865
Contact: JOHN HENDREN
Telephone: 6195631095
Mailing Name: Not reported
Mailing Address: 5812 MISSION GORGE RD
Mailing City,St,Zip: SAN DIEGO, CA 921204200
Gen County: Not reported

DCH HONDA OF MISSION VALLEY (Continued) **1010313485**

TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.26688
Facility County: San Diego

envid: 1010313485
Year: 2008
GEPAID: CAR000144865
Contact: JOHN HENDREN
Telephone: 6195631095
Mailing Name: Not reported
Mailing Address: 5812 MISSION GORGE RD
Mailing City,St,Zip: SAN DIEGO, CA 921204200
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.26688
Facility County: San Diego

envid: 1010313485
Year: 2007
GEPAID: CAR000144865
Contact: JOHN HENDREN
Telephone: 6195631095
Mailing Name: Not reported
Mailing Address: 5812 MISSION GORGE RD
Mailing City,St,Zip: SAN DIEGO, CA 921204200
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.26
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
39 additional CA_HAZNET: record(s) in the EDR Site Report.

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21 **HONDA MISSION VALLEY** **FINDS** **1010450625**
5812 MISSION GORGE RD **CA AST** **N/A**
SAN DIEGO, CA 92120

FINDS:

Registry ID: 110031289861

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

HONDA MISSION VALLEY (Continued) **1010450625**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

AST:
Certified Unified Program Agencies: San Diego
Owner: UNITED AUTO GROUP
Total Gallons: 5240

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21 **CUSH HONDA** **CA HIST CORTESE** **S103472127**
5812 MISSION GORGE RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA SLIC**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3660

LUST:
Region: STATE
Global Id: T0607302425
Latitude: 32.7808692
Longitude: -117.101419
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/01/1999
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: SW
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT3660
LOC Case Number: H13251-002
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607302425
Contact Type: Local Agency Caseworker
Contact Name: SCOTT WELDON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: scott.weldon@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302425

CUSH HONDA (Continued) **S103472127**

Status: Completed - Case Closed
Status Date: 12/01/1999

Global Id: T0607302425
Status: Open - Case Begin Date
Status Date: 05/05/1998

Regulatory Activities:
Global Id: T0607302425
Action Type: Other
Date: 05/05/1998
Action: Leak Began

Global Id: T0607302425
Action Type: Other
Date: 05/05/1998
Action: Leak Discovery

Global Id: T0607302425
Action Type: ENFORCEMENT
Date: 11/10/1999
Action: Closure/No Further Action Letter - #H13251-002

Global Id: T0607302425
Action Type: Other
Date: 05/05/1998
Action: Leak Stopped

Global Id: T0607302425
Action Type: Other
Date: 05/07/1998
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3660
Local Case: H13251-002
Substance: Waste Oil
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Overfill
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 05/05/1998
Date Stopped: 05/05/1998
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 05/14/1998
Desc Pollution: Not reported

CUSH HONDA (Continued) **S103472127**

Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/07/1998
Enforce Date: Not reported
Closed Date: 11/19/99
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 9
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 3A
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/09/1988
Global Id: T0607303093
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H13251-001
Latitude: 32.7808692
Longitude: -117.101419
Case Type: Cleanup Program Site
Case Worker: SW
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT847
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 207301
Business Type: 6HK31
EPA Id Number: CAL000300753
APN: 461-300-03-00
Last HMMD Inspection: 01/20/2011
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: PENSKE AUTOMOTIVE
Facility Address: 5812 MISSION GORGE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y

CUSH HONDA (Continued) **S103472127**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING GREASE AND
Other Information: OIL (600 GALLON AST & DM5S) NS/ SPLIT TANK BLDG 4
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: SOLVENT TANK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: BRAKE CLEANER UNITS 4 UNIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CUSH HONDA (Continued) **S103472127**

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL / SPLIT TANK BLDG 4
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ENGINE COOLANT/ PLASTIC AST BLDG 4
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 07/19/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV1603
Violation: NO 2ND CONTAINMENT FOR HW TANK
Violation Citation: Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Facility Id: 207301

CUSH HONDA (Continued) **S103472127**

Update Date: 11/02/2012
Inspection Date: 07/19/2007
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 113251
Business Type: 6HK31
EPA Id Number: CAR000144865
APN: 461-300-03-00
Last HMMD Inspection: 06/08/2005
Permit Status: INAC
Permit Expiration: 08/31/2006
Facility Owner: CUSH AUTO GROUP
Facility Address: 1700 N AUTO PARK WAY
Facility City: ESCONDIDO
Facility State: CA
Facility Zip: 92029-
UST Owner: CUSH AUTO GROUP
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113251 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113251
Tank Type: SINGLE WALL
Additional Id: 001
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1987-11-16 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 113251 T002

CUSH HONDA (Continued) **S103472127**

Last Update:	2012-11-02 14:17:38
Permit Number:	113251
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-09-11 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113251 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113251
Tank Type:	UNKNOWN
Additional Id:	003
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-11-16 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 113251 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113251
Tank Type:	DOUBLE WALL
Additional Id:	003
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-05-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Violations Inactive Permits:

Facility Id:	113251
Update Date:	11/02/2012
Inspection Date:	12/15/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation

CUSH HONDA (Continued) **S103472127**

date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: Inactive Permit

Facility Id: 113251
Update Date: 11/02/2012
Inspection Date: 06/08/2005
Violation Code: 6HV0215
Violation: OIL FILTERS IMPROPERLY MANAGED
Violation Citation: Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity: Inactive Permit

Facility Id: 113251
Update Date: 11/02/2012
Inspection Date: 06/08/2005
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: Inactive Permit

Facility Id: 113251
Update Date: 11/02/2012
Inspection Date: 06/08/2005
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: Inactive Permit

Facility Id: 207301
Business Type: 6HK31
EPA Id Number: CAL000300753
APN: 461-300-03-00
Last HMMD Inspection: 01/20/2011
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: PENSKE AUTOMOTIVE
Facility Address: 5812 MISSION GORGE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE

CUSH HONDA (Continued) **S103472127**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING GREASE AND
Other Information: OIL (600 GALLON AST & DM5S) NS/ SPLIT TANK BLDG 4
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: SOLVENT TANK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: BRAKE CLEANER UNITS 4 UNIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL / SPLIT TANK BLDG 4
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

CUSH HONDA (Continued) **S103472127**

Facility Id: 207301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ENGINE COOLANT/ PLASTIC AST BLDG 4
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 07/19/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV1603
Violation: NO 2ND CONTAINMENT FOR HW TANK
Violation Citation: Failed to provide proper secondary containment and/or leak detection for Hazardous waste tank system. 66265.193(a)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 07/19/2007
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

CUSH HONDA (Continued) **S103472127**

Facility Id: 207301
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

SAN DIEGO CO. SAM:
Case Number: H13251-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 1/9/1988
Date Began: 11/25/1987

Case Number: H13251-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/1/1999
Date Began: 5/5/1998

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21 **MISSION VALLEY SHELL SERV** **EDR US Hist Auto Stat** **1008998738**
5820 MISSION GORGE RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: MISSION VALLEY SHELL SERVICE
Year: 1961
Type: GASOLINE STATIONS

Name: MISSION VALLEY SHELL SEHV
Year: 1966
Type: GASOLINE STATIONS

Name: MISSION VALLEY SHELL SERV
Year: 1970
Type: GASOLINE STATIONS

Name: HOXSEY S SHELL SERVICE CENTER
Year: 1975
Type: GASOLINE STATIONS

Name: HOXSEY S SHELL SERVICE CENTER
Year: 1980
Type: GASOLINE STATIONS

Name: HOXSEY S SHELL SERVICE CENTER
Year: 1984
Type: GASOLINE STATIONS

Name: SHELL SERVICE STN DLRS SAN DIEGO

MISSION VALLEY SHELL SERV (Continued) **1008998738**

Year: 1999
Address: 5820 MISSION GORGE RD

Name: E A S R SHELL STATION
Year: 2000
Address: 5820 MISSION GORGE RD

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21 **ROSHAN GUPTA** **CA SWEEPS UST** **S104397785**
5820 N MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

SWEEPS UST:
Status: Active
Comp Number: 12791
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012791-000006
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 4

Status: Active
Comp Number: 12791
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012791-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12791
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012791-000008
Tank Status: A
Capacity: 10000
Active Date: Not reported

ROSHAN GUPTA (Continued) **S104397785**

Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	12791
Number:	9
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012791-000009
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	12791
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012791-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	5
Status:	Not reported
Comp Number:	12791
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012791-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported

ROSHAN GUPTA (Continued) **S104397785**

Comp Number: 12791
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012791-000003
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12791
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012791-000004
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12791
Number: Not reported
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012791-000005
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 112791
Business Type: Not reported
EPA Id Number: CAD981158611
APN: 461-320-25-00
Last HMMD Inspection: 06/03/1999
Permit Status: INAC

ROSHAN GUPTA (Continued) **S104397785**

Permit Expiration:	Not reported
Facility Owner:	EQUILON ENTERPRISES LLC
Facility Address:	3333 E CAMELBACK #170
Facility City:	PHOENIX
Facility State:	AZ
Facility Zip:	85018-
UST Owner:	EQUILON ENTERPRISES LLC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112791 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112791
Tank Type:	SINGLE WALL
Additional Id:	550
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-08-11 00:00:00
Year Installed:	1947-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112791 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112791
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-08-11 00:00:00
Year Installed:	1955-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112791 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112791
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED

ROSHAN GUPTA (Continued) **S104397785**

Remove Close Date: 1986-08-11 00:00:00
Year Installed: 1965-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 112791 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 112791
Tank Type: SINGLE WALL
Additional Id: 4
Capacity Gallons: 8000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-08-11 00:00:00
Year Installed: 1970-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 112791 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 112791
Tank Type: SINGLE WALL
Additional Id: 5
Capacity Gallons: 10000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1970-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 112791 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 112791
Tank Type: DOUBLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1999-02-17 00:00:00
Year Installed: 1985-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: GRAVITY
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING

ROSHAN GUPTA (Continued) **S104397785**

ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112791 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	112791
Tank Type:	DOUBLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-02-17 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	18
UST Monitor Method:	DW TNK SW PRESSURE PIPE W/ SHUTOFF LLD: INTERSTITIAL, PIPE TEST ANNUALLY 0.1 GAL/HR OR MONTHLY 0.2 GAL/HR.

UST Name:	UNDERGROUND TANK 112791 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	112791
Tank Type:	DOUBLE WALL
Additional Id:	3
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-02-17 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	17
UST Monitor Method:	DW TANK SW PRESSURE PIPE W/ RESTICTIVE LLD: DAILY RECONCILIATION AND INTERSTITIAL, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 112791 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	112791
Tank Type:	DOUBLE WALL
Additional Id:	4
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1999-02-17 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	18
UST Monitor Method:	DW TNK SW PRESSURE PIPE W/ SHUTOFF LLD: INTERSTITIAL, PIPE TEST ANNUALLY 0.1 GAL/HR OR MONTHLY 0.2 GAL/HR.

SAN DIEGO CO. SAM:

Case Number:	H12791-001
Agency:	DEH Site Assessment & Mitigation

ROSHAN GUPTA (Continued) **S104397785**

Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	2/7/2000
Date Began:	11/18/1985

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21 **MERWIN HOXSEY** **CA HIST UST** **U001573138**
5820 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

HIST UST:

Region:	STATE
Facility ID:	00000049958
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAME
Telephone:	6192833908
Owner Name:	SHELL OIL COMPANY
Owner Address:	P.O. BOX 4848
Owner City,St,Zip:	ANAHEIM, CA 92803
Total Tanks:	0005
Tank Num:	001
Container Num:	1
Year Installed:	1947
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	12
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	2
Year Installed:	1955
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	1965
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	3/16
Leak Detection:	Stock Inventor, 10
Tank Num:	004
Container Num:	4
Year Installed:	1970
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

MERWIN HOXSEY (Continued) **U001573138**

Tank Num:	005
Container Num:	5
Year Installed:	1970
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor, 10

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21 **FORMER SHELL STATION** **CA LUST** **S104539638**
5820 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT482
Local Case:	H12791-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	11/14/1985
Date Stopped:	05/08/1986
Confirm Date:	11/18/1985
Submit Workplan:	Not reported
Prelim Assess:	04/22/1987
Desc Pollution:	Not reported
Remed Plan:	07/31/1987
Remed Action:	5/1/88
Began Monitor:	Not reported
Release Date:	01/18/1985
Enforce Date:	5/29/87
Closed Date:	2/4/00
Enforce Type:	Cleanup and Abatement Orders
Pilot Program:	LOP
Basin Number:	907.10
GW Depth:	15
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	High priority
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	87-94
Waste Discharge Requirement Number:	Not reported

21 **SHELL SERVICE STATION ***
5820 MISSION GORGE
SAN DIEGO, CA 92120

CA HIST CORTESE **S100355904**
CA LUST **N/A**
CA ENF

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT482

LUST:
Region: STATE
Global Id: T0607302784
Latitude: 32.7808893
Longitude: -117.101411
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/07/2000
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT482
LOC Case Number: H12791-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302784
Status: Completed - Case Closed
Status Date: 02/07/2000

Global Id: T0607302784
Status: Open - Case Begin Date
Status Date: 11/18/1985

Regulatory Activities:
Global Id: T0607302784
Action Type: Other
Date: 11/18/1985
Action: Leak Began

Global Id: T0607302784
Action Type: Other
Date: 11/18/1985
Action: Leak Discovery

Global Id: T0607302784
Action Type: Other
Date: 11/18/1985
Action: Leak Stopped

Global Id: T0607302784
Action Type: ENFORCEMENT
Date: 05/29/1987
Action: Clean-up and Abatement Order

SHELL SERVICE STATION * (Continued) **S100355904**

Global Id:	T0607302784
Action Type:	Other
Date:	11/18/1985
Action:	Leak Reported

ENF:

Region:	9
Facility Id:	256718
Agency Name:	Shell Oil Company - Anaheim
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000206N94
Reg Measure Id:	163123
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005

SHELL SERVICE STATION * (Continued) **S100355904**

Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220964
Region:	9
Order / Resolution Number:	LT870529
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	05/29/1987
Adoption/Issuance Date:	Not reported
Achieve Date:	5/9/1996
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000206N94
Description:	UNKNOWN
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	256718
Agency Name:	Shell Oil Company - Anaheim
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	5541
SIC Desc 1:	Gasoline Service Stations
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

SHELL SERVICE STATION * (Continued) **S100355904**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UST
Program Category1:	TANKS
Program Category2:	TANKS
# Of Programs:	1
WDID:	9 000206N94
Reg Measure Id:	163123
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/17/2005
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220527
Region:	9
Order / Resolution Number:	96-042
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	05/09/1996
Adoption/Issuance Date:	Not reported
Achieve Date:	5/9/1996
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000206N94
Description:	UNKNOWN
Program:	UST

SHELL SERVICE STATION * (Continued) **S100355904**

Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

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21 **DEVELOPMENT SITE** **CA LUST** **S104234301**
5826 MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

LUST:

Region:	STATE
Global Id:	T0607399177
Latitude:	32.781866
Longitude:	-117.100948
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/06/2002
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3949
LOC Case Number:	H38674-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607399177
Status:	Completed - Case Closed
Status Date:	02/06/2002
Global Id:	T0607399177
Status:	Open - Case Begin Date
Status Date:	07/21/1999

Regulatory Activities:

Global Id:	T0607399177
Action Type:	Other
Date:	07/21/1999
Action:	Leak Began
Global Id:	T0607399177
Action Type:	Other
Date:	07/21/1999
Action:	Leak Discovery
Global Id:	T0607399177
Action Type:	Other
Date:	07/21/1999
Action:	Leak Stopped

DEVELOPMENT SITE (Continued) **S104234301**

Global Id: T0607399177
Action Type: Other
Date: 07/21/1999
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3949
Local Case: H38674-001
Substance: Regular Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 07/21/1999
Date Stopped: 07/21/1999
Confirm Date: 07/21/1999
Submit Workplan: 8/3/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/21/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 138674
Business Type: 6HK15
EPA Id Number: Not reported
APN: 461-320-24-00
Last HMMD Inspection: 02/14/2000
Permit Status: INAC
Permit Expiration: 05/31/2005
Facility Owner: SAV-ON DRUG STORE
Facility Address: PO BOX 20
Facility City: BOISE

DEVELOPMENT SITE (Continued) **S104234301**

Facility State:	ID
Facility Zip:	83726-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 138674 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	138674
Tank Type:	SINGLE WALL
Additional Id:	AT4511
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	REMOVED
Remove Close Date:	1999-07-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 138674 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	138674
Tank Type:	SINGLE WALL
Additional Id:	AT4511
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	GASOLINE(TYPE UNKNOWN)
Reg Status:	REMOVED
Remove Close Date:	1999-07-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

SAN DIEGO CO. SAM:

Case Number:	H38674-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	2/6/2002
Date Began:	7/21/1999

21 **EDR US Hist Auto Stat** **1015560533**
5805 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: A BUDGET AUTOW TOWING COMPANY
Year: 1999
Address: 5805 MISSION GORGE RD

---

21 **EDR US Hist Auto Stat** **1015560474**
5803 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: BM WAY DBL MOTOR SPORT DONT BU
Year: 2005
Address: 5803 MISSION GORGE RD

Name: DAYTONA AUTO REPAIR INC
Year: 2006
Address: 5803 MISSION GORGE RD

Name: NEVUS CAR CO
Year: 2008
Address: 5803 MISSION GORGE RD

Name: NEXUS AUTO REPAIR
Year: 2009
Address: 5803 MISSION GORGE RD

Name: NEXUS AUTO REPAIR
Year: 2010
Address: 5803 MISSION GORGE RD

Name: NEXUS AUTO REPAIR
Year: 2011
Address: 5803 MISSION GORGE RD

Name: MISSION GORGE AUTO SERVICE
Year: 2012
Address: 5803 MISSION GORGE RD

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21 **TIRES PLUS** **CA HIST CORTESE** **S101669443**
5805 MISSION GORGE RD **CA SLIC** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT406

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/04/1987
Global Id: T0607302722

TIRES PLUS (Continued) **S101669443**

Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H04736-001
Latitude:	32.7811954
Longitude:	-117.1012224
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT406
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	104736
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	461-320-21-00
Last HMMD Inspection:	09/22/1995
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	GARY JACOBI
Facility Address:	5805 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-4003
UST Owner:	RAIN BEAU
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104736 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104736
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-12-23 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

Facility Id:	213236
Business Type:	6HK18

TIRES PLUS (Continued) **S101669443**

EPA Id Number:	CAL000339851
APN:	461-320-21-00
Last HMMD Inspection:	12/15/2010
Permit Status:	INAC
Permit Expiration:	05/31/2013
Facility Owner:	JUSTIN WIED
Facility Address:	5805 MISSION GORGE RD
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	213236
Update Date:	11/02/2012
Inspection Date:	12/15/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

Facility Id:	213236
Update Date:	11/02/2012
Inspection Date:	12/15/2010
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	Inactive Permit

SAN DIEGO CO. SAM:

Case Number:	H04736-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/4/1987
Date Began:	12/29/1986

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21 **RAIN BEAU AT0578** **CA LUST S102435657**
5805 MISSION GORGE RD **CA SWEEPS UST N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT406
Local Case:	H04736-001
Substance:	0
Qty Leaked:	0

RAIN BEAU AT0578 (Continued) **S102435657**

Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Remove Contents
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/23/1986
Date Stopped: 12/23/1986
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/29/1986
Enforce Date: Not reported
Closed Date: 3/4/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >8FT
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 4736
Number: 9
Board Of Equalization: 44-022097
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4736
Number: Not reported
Board Of Equalization: 44-022097
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported

RAIN BEAU AT0578 (Continued) **S102435657**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004736-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

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21 **EDR US Hist Auto Stat** **1015561564**

5835 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	QUALTECH AUTO SERVICES
Year:	1999
Address:	5835 MISSION GORGE RD
Name:	QUALTECH AUTO SERVICES
Year:	2000
Address:	5835 MISSION GORGE RD
Name:	QUALTECH AUTO SERVICES
Year:	2001
Address:	5835 MISSION GORGE RD
Name:	QUALTECH AUTO CLSN & RPR CTR
Year:	2002
Address:	5835 MISSION GORGE RD
Name:	QUALTECH AUTO COLLISION INC
Year:	2003
Address:	5835 MISSION GORGE RD
Name:	QUALTECH AUTO COLLISION & REPA
Year:	2008
Address:	5835 MISSION GORGE RD

---

21 **EDR US Hist Cleaners** **1015077492**

5837 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Cleaners:

Name:	MAGIC DRY CLEANING & LAUNDRY S
Year:	2005
Address:	5837 MISSION GORGE RD
Name:	MAGIC DRY CLEANERS 7 LAUNDRY SERVICE
Year:	2007
Address:	5837 MISSION GORGE RD
Name:	MAGIC DRY CLEANERS
Year:	2008
Address:	5837 MISSION GORGE RD

(Continued) **1015077492**

Name: MAGIC DRY CLEANERS
Year: 2010
Address: 5837 MISSION GORGE RD

Name: MAGIC DRY CLEANERS
Year: 2011
Address: 5837 MISSION GORGE RD

Name: MAGIC DRY CLEANERS
Year: 2012
Address: 5837 MISSION GORGE RD

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21 **MAGIC DRY CLEANING & LAUNDRY SERVICES INC** **CA DRYCLEANERS** **S106661517**
5837 MISSION GORGE RD STE A & B **N/A**
SAN DIEGO, CA 92120

DRYCLEANERS:

EPA Id: CAL000316663
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 02/21/2007
Facility Active: No
Inactive Date: 06/30/2013
Facility Addr2: Not reported
Owner Name: ANWAR HIRMIZ
Owner Address: 5837 MISSION GORGE RD STE A-B
Owner Address 2: Not reported
Owner Telephone: 6192846005
Contact Name: JOE TORRES
Contact Address: 5837 MISSION GORGE RD STE A-B
Contact Address 2: Not reported
Contact Telephone: 6192846005
Mailing Name: Not reported
Mailing Address 1: 5837 MISSION GORGE RD STE A-B
Mailing Address 2: Not reported
Mailing City: SAN DIEGO
Mailing State: CA
Mailing Zip: 921204060
Owner Fax: Not reported
Region Code: 0000000000

EPA Id: CAL000284364
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 07/12/2004
Facility Active: No
Inactive Date: 06/30/2006
Facility Addr2: Not reported
Owner Name: MAGIC DRY CLEANING&LAUNDRY SERV INC
Owner Address: ERNESTO SUFFY, PRESIDENT
Owner Address 2: 5837 MISSION GORGE RD STE A
Owner Telephone: 6192846005
Contact Name: JOE A. TORRES
Contact Address: 5837 MISSION GORGE RD STE A & B

MAGIC DRY CLEANING & LAUNDRY SERVICES INC (Continued) **S106661517**

Contact Address 2:	Not reported
Contact Telephone:	6192846005
Mailing Name:	Not reported
Mailing Address 1:	5837 MISSION GORGE RD STE A & B
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921204060
Owner Fax:	Not reported
Region Code:	Not reported

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21 **SAN DIEGO WHOLESALE DRY CLEANING** **CA DRYCLEANERS** **S113887258**
5837 MISSION GORGE RD STE A **CA HAZNET** **N/A**
SAN DIEGO, CA 92120

DRYCLEANERS:

EPA Id:	CAC002727950
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	04/26/2013
Facility Active:	No
Inactive Date:	07/26/2013
Facility Addr2:	Not reported
Owner Name:	TODD ARNOLD
Owner Address:	5837 MISSION GORGE RD STE A
Owner Address 2:	Not reported
Owner Telephone:	8583331010
Contact Name:	TODD ARNOLD
Contact Address:	5837 MISSION GORGE RD STE A
Contact Address 2:	Not reported
Contact Telephone:	8583331010
Mailing Name:	Not reported
Mailing Address 1:	5837 MISSION GORGE RD STE A
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921204060
Owner Fax:	Not reported
Region Code:	Not reported

EPA Id:	CAL000393727
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	01/30/2014
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Owner Name:	TEE FAMILY CORPORATION
Owner Address:	5837 MISSION GORGE RD STE A
Owner Address 2:	Not reported
Owner Telephone:	8583331010
Contact Name:	TODD ARNOLD
Contact Address:	5837 MISSION GORGE RD STE A
Contact Address 2:	Not reported

SAN DIEGO WHOLESALE DRY CLEANING (Continued) **S113887258**

Contact Telephone:	8583331010
Mailing Name:	Not reported
Mailing Address 1:	5837 MISSION GORGE RD STE A
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921200000
Owner Fax:	Not reported
Region Code:	0000000000

HAZNET:

envid:	S113887258
Year:	2013
GEPAID:	CAC002727950
Contact:	TODD ARNOLD
Telephone:	8583331010
Mailing Name:	Not reported
Mailing Address:	5837 MISSION GORGE RD STE A
Mailing City,St,Zip:	SAN DIEGO, CA 921204060
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.39
Facility County:	Not reported

---

21 **EDR US Hist Auto Stat** **1015561629**

5839 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	PATS AUTO REPAIR
Year:	2007
Address:	5839 MISSION GORGE RD
Name:	PATS AUTO REPAIR
Year:	2008
Address:	5839 MISSION GORGE RD
Name:	PROCRAFT AUTO BOAT
Year:	2009
Address:	5839 MISSION GORGE RD
Name:	NEXUS AUTOMOTIVE
Year:	2010
Address:	5839 MISSION GORGE RD
Name:	HESS GEN INC
Year:	2011
Address:	5839 MISSION GORGE RD

21 **MAGIC LEATHER DRY CLEANERS** **CA SLIC** **S100940453**
5841 MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/01/2008
Global Id:	SLT19791036
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H33198-001
Latitude:	32.781357
Longitude:	-117.099898
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	211044
Business Type:	6HK26
EPA Id Number:	CAL000317713
APN:	461-320-04-00
Last HMMD Inspection:	08/18/2011
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	TZVETAN POPOV
Facility Address:	3142 MIDWAY DR #B209
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	211044
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED + 1X55 NEW AF
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211044
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS

MAGIC LEATHER DRY CLEANERS (Continued) **S100940453**

Other Information: DRAINED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211044
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 211044
Update Date: 11/02/2012
Inspection Date: 08/18/2011
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

Facility Id: 211044
Update Date: 11/02/2012
Inspection Date: 08/18/2011
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 212293
Business Type: 6HK27
EPA Id Number: CAL000354662
APN: 461-320-04-00
Last HMMD Inspection: 06/27/2012
Permit Status: EXPR
Permit Expiration: 10/31/2012
Facility Owner: FRANSICO JAVIER TELLO
Facility Address: 5841 MISSION GORGE RD #J,
Facility City: San Diego
Facility State: CA
Facility Zip: 92120
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 212293
Update Date: 11/02/2012

MAGIC LEATHER DRY CLEANERS (Continued) **S100940453**

Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212293
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SANDING DUST/PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212293
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: LIQUID PAINT RELATED WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133198
Business Type: 6HK53
EPA Id Number: CAL000142157
APN: 461-320-04-00
Last HMMD Inspection: 02/11/2004
Permit Status: INAC
Permit Expiration: 04/30/2005
Facility Owner: ERNESTO SUFFY
Facility Address: 5841 MISSION GORGE RD #A
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 133198
Update Date: 11/02/2012
Inspection Date: 02/11/2004
Violation Code: 6HV0205
Violation: WASTE CONTAINER: POOR CONDITION
Violation Citation: Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171
Activity: Inactive Permit

Facility Id: 133198

MAGIC LEATHER DRY CLEANERS (Continued) **S100940453**

Update Date:	11/02/2012
Inspection Date:	02/11/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Facility Id:	211044
Business Type:	6HK26
EPA Id Number:	CAL000317713
APN:	461-320-04-00
Last HMMD Inspection:	08/18/2011
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	TZVETAN POPOV
Facility Address:	3142 MIDWAY DR #B209
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	211044
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED + 1X55 NEW AF
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211044
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211044
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

MAGIC LEATHER DRY CLEANERS (Continued) **S100940453**

Violations Active Permits:

Facility Id:	211044
Update Date:	11/02/2012
Inspection Date:	08/18/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE

Facility Id:	211044
Update Date:	11/02/2012
Inspection Date:	08/18/2011
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Click this hyperlink while viewing on your computer to access
3 additional CA_HMMD: record(s) in the EDR Site Report.

SAN DIEGO CO. SAM:

Case Number:	H33198-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	OX
Facility Status:	Closed Case
Date:	7/1/2008
Date Began:	Not reported

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21 **EDR US Hist Auto Stat** **1015561742**

5841 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	QUALTECH AUTO REPAIR
Year:	2003
Address:	5841 MISSION GORGE RD

Name:	PRECISION AUTOMOTIVE
Year:	2006
Address:	5841 MISSION GORGE RD

Name:	THE BRAKE STOP
Year:	2007
Address:	5841 MISSION GORGE RD

Name:	THE BRAKE STOP
Year:	2008
Address:	5841 MISSION GORGE RD

Name:	AUTO REPAIR POPOV
Year:	2009
Address:	5841 MISSION GORGE RD

(Continued) **1015561742**

Name: PRECISION AUTOMOTIVE
Year: 2010
Address: 5841 MISSION GORGE RD

Name: PRECISION AUTOMOTIVE
Year: 2011
Address: 5841 MISSION GORGE RD

Name: PRECISION AUTOMOTIVE
Year: 2012
Address: 5841 MISSION GORGE RD

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21 **EDR US Hist Cleaners** **1015077529**

5841 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Cleaners:
Name: GLOBAL AMERICA CLEANING CORP
Year: 2001
Address: 5841 MISSION GORGE RD

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21 **ALCOA AUTO** **CA San Diego Co. HMMD** **S104747138**
5909 MISSION GORGE RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92120

SAN DIEGO CO. HMMD:
Facility Id: 205112
Business Type: 6HK26
EPA Id Number: CAL000163456
APN: 461-320-06-00
Last HMMD Inspection: 03/30/2005
Permit Status: INAC
Permit Expiration: 09/30/2005
Facility Owner: ALFONSO BARCENAS
Facility Address: 5909 MISSION GORGE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 205112
Update Date: 11/02/2012
Inspection Date: 03/30/2005
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

ALCOA AUTO (Continued) **S104747138**

Facility Id:	204370
Business Type:	6HK26
EPA Id Number:	CAL000163456
APN:	461-320-06-00
Last HMMD Inspection:	11/08/2004
Permit Status:	CHNG
Permit Expiration:	02/28/2009
Facility Owner:	MISSION GORGE AUTO CENTER
Facility Address:	5909 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	216776
Business Type:	6HK25
EPA Id Number:	Not reported
APN:	461-320-06-00
Last HMMD Inspection:	07/24/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	KAMOMEGA LLC
Facility Address:	5909 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	216776
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216776
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

ALCOA AUTO (Continued) **S104747138**

Facility Id: 216776
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216776
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 216776
Update Date: 11/02/2012
Inspection Date: 07/24/2012
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 216776
Update Date: 11/02/2012
Inspection Date: 07/24/2012
Violation Code: 6HV0226
Violation: HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation: Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity: ACTIVE

Facility Id: 216776
Update Date: 11/02/2012
Inspection Date: 07/24/2012
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Facility Id: 216776
Update Date: 11/02/2012
Inspection Date: 07/24/2012
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Facility Id: 216776
Update Date: 11/02/2012
Inspection Date: 07/24/2012

ALCOA AUTO (Continued) **S104747138**

Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Facility Id:	216776
Update Date:	11/02/2012
Inspection Date:	07/24/2012
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	204370
Business Type:	6HK26
EPA Id Number:	CAL000163456
APN:	461-320-06-00
Last HMMD Inspection:	11/08/2004
Permit Status:	CHNG
Permit Expiration:	02/28/2009
Facility Owner:	MISSION GORGE AUTO CENTER
Facility Address:	5909 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Facility Id:	111538
Business Type:	6HK18
EPA Id Number:	CAL000163456
APN:	461-320-06-00
Last HMMD Inspection:	06/29/1998
Permit Status:	INAC
Permit Expiration:	06/29/1998
Facility Owner:	DJAMSCHID KHAGHANI
Facility Address:	5909 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-4005
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

ALCOA AUTO (Continued) **S104747138**

Click this hyperlink while viewing on your computer to access
1 additional CA_HMMD: record(s) in the EDR Site Report.

SAN DIEGO CO. SAM:
Case Number: H11538-001
Agency: CA Regional Water Quality Control Board
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/2/1997
Date Began: 3/13/1987

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21 **EDR US Hist Auto Stat** **1015563656**
5909 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: S & J AUTOMOTIVE SERVICE REPAIR
Year: 1999
Address: 5909 MISSION GORGE RD

Name: S & J AUTOMOTIVE SERVICE REPAIR
Year: 2000
Address: 5909 MISSION GORGE RD

Name: ARROYOS AUTO REPAIR
Year: 2002
Address: 5909 MISSION GORGE RD

Name: ARROYOS AUTO CTR
Year: 2003
Address: 5909 MISSION GORGE RD

Name: ARROYOS AUTO REPAIR
Year: 2004
Address: 5909 MISSION GORGE RD

Name: MISSION GORGE TRANSMISSION
Year: 2009
Address: 5909 MISSION GORGE RD

Name: SUNRISE AUTO
Year: 2010
Address: 5909 MISSION GORGE RD

Name: SUNRISE AUTO LLC
Year: 2011
Address: 5909 MISSION GORGE RD

21 **TRULY NOLEN EXTERMINATING** **CA Toxic Pits** **S100676374**
5909 MISSION GORGE ROAD **N/A**
SAN DIEGO, CA 92120

TOXIC PITS:
Region: 09
Task #: 89008
Owner: TRULY NOLEN EXTERMINATING
1/2 Mi Limit: Y
Num. of Pits: 1
Cease Discharge Due: 06/30/88
Cease Discharge Complete: 06/30/88
Closure Due: 06/30/90
Closure Completed: 03/20/90
Status: CLOSED
Hydro Geological Assessment Report Due: / /
Final Hydro Geological Assessment Review Completed: 03/01/88

---

21 **ROSE TOYOTA** **CA SAN DIEGO CO. SAM** **S108407212**
5921 FAIRMOUNT AV **N/A**
SAN DIEGO, CA 92105

SAN DIEGO CO. SAM:
Case Number: H15269-001
Agency: DEH Site Assessment & Mitigation
Funding: Private - VAP
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Preliminary Assessment
Date: 11/20/2001
Date Began: 11/20/2001

---

21 **EDR US Hist Auto Stat** **1015563787**
5910 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: SMOG CHECK STATIONS SAN DIEGO
Year: 1999
Address: 5910 MISSION GORGE RD

Name: SMOG CHECK STATIONS SAN DIEGO
Year: 2000
Address: 5910 MISSION GORGE RD

Name: CONANT AUTO RETAIL SAN DIEGO INC
Year: 2003
Address: 5910 MISSION GORGE RD

21 **ROSE TOYOTA**
5910 MISSION GORGE RD
SAN DIEGO, CA 92120

CA HIST CORTESE **1000199025**
CA LUST **N/A**
CA SWEEPS UST
CA EMI
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3666

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3034

LUST:

Region:	STATE
Global Id:	T0607301803
Latitude:	32.78285
Longitude:	-117.100248
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/27/2005
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3034
LOC Case Number:	H04235-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301803
Status:	Completed - Case Closed
Status Date:	05/27/2005

Global Id:	T0607301803
Status:	Open - Case Begin Date
Status Date:	04/07/1995

Regulatory Activities:

Global Id:	T0607301803
Action Type:	Other
Date:	04/07/1995
Action:	Leak Began

Global Id:	T0607301803
Action Type:	Other
Date:	04/07/1995
Action:	Leak Discovery

Global Id:	T0607301803
Action Type:	Other

ROSE TOYOTA (Continued) **1000199025**

Date: 04/07/1995
Action: Leak Stopped

Global Id: T0607301803
Action Type: Other
Date: 04/07/1995
Action: Leak Reported

Global Id: T0607301803
Action Type: ENFORCEMENT
Date: 05/01/1995
Action: Notice of Responsibility

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3034
Local Case: H04235-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/07/1995
Date Stopped: 04/07/1995
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 04/25/1995
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/07/1995
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: MUNB/E
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3666
Local Case: H04235-002

ROSE TOYOTA (Continued) **1000199025**

Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/17/1998
Date Stopped: 04/17/1998
Confirm Date: 07/22/1998
Submit Workplan: 6/18/98
Prelim Assess: 06/18/1998
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/17/1998
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Beneficial groundwater use other then Municipal use
NPDES Number: Not reported
Priority: 3B
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 4235
Number: 9
Board Of Equalization: 44-022015
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004235-000001
Tank Status: A
Capacity: 120
Active Date: Not reported
Tank Use: UNKNOWN
STG: P
Content: Not reported
Number Of Tanks: 5

Status: Active
Comp Number: 4235
Number: 9
Board Of Equalization: 44-022015
Referral Date: Not reported

ROSE TOYOTA (Continued) **1000199025**

Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004235-000002
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	4235
Number:	9
Board Of Equalization:	44-022015
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004235-000003
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	4235
Number:	9
Board Of Equalization:	44-022015
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004235-000004
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	4235
Number:	9
Board Of Equalization:	44-022015
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004235-000005
Tank Status:	A
Capacity:	2000

ROSE TOYOTA (Continued) **1000199025**

Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	2570
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.41
Reactive Organic Gases Tons/Yr:	5.12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	2570
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.41
Reactive Organic Gases Tons/Yr:	5.12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	2570
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.41
Reactive Organic Gases Tons/Yr:	5.12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

ROSE TOYOTA (Continued) **1000199025**

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	2570
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.4100000000000001
Reactive Organic Gases Tons/Yr:	5.1200000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	2570
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.4100000000000001
Reactive Organic Gases Tons/Yr:	5.1200000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	2570
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.41
Reactive Organic Gases Tons/Yr:	5.12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	2570
Air District Name:	SD
SIC Code:	5511

ROSE TOYOTA (Continued) **1000199025**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.41
Reactive Organic Gases Tons/Yr:	5.12
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H04235-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/27/2005
Date Began:	4/7/1995

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21 **TOYOTA SAN DIEGO** **CA AST** **S105164211**
5910 MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120

AST:

Certified Unified Program Agencies:	San Diego
Owner:	CONANT AUTO RENTAL SAN DIEGO INC
Total Gallons:	3900

SAN DIEGO CO. HMMD:

Facility Id:	104235
Business Type:	6HK31
EPA Id Number:	CAL000238010
APN:	461-170-08-00
Last HMMD Inspection:	03/28/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	CONANT AUTO RENTAL SAN DIEGO INC
Facility Address:	5910 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	ALESSIO LEASING CORP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104235 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	120

TOYOTA SAN DIEGO (Continued) **S105164211**

UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1998-04-17 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 104235 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-07-04 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104235 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-07-04 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104235 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1995-07-04 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL

TOYOTA SAN DIEGO (Continued) **S105164211**

Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104235 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	UNKNOWN
Additional Id:	005
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-17 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Active Permits:

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	COMPRESSED ACETYLENE GAS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	104235
Update Date:	11/02/2012
Case Number:	647-425-47
Name:	OIL, LUBRICATING: ATF, MOTOR OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SODIUM METASIUCATE / TY POLYPHOSPHATE MIXTURE
Other Information:	HEAVY DUTY CLEANER (PURPLE THUNDER)
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported

TOYOTA SAN DIEGO (Continued) **S105164211**

Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON, AR, 75%; CARBON DIOXIDECO2,
Other Information: 25%: COMPRESSED GAS MIXTURE, MIG MIX
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: HELIUM GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, 02, 99%, COMPRESSED GAS:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 104235

TOYOTA SAN DIEGO (Continued) **S105164211**

Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AUTOMOTIVE PAINT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	SPENT BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT SLUDGE FROM BOOTH
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	USED ABSORBENTS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	WASTE DIESEL/GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHLENE GLYCOL

TOYOTA SAN DIEGO (Continued) **S105164211**

Other Information: ANTIFREEZE - COOLANT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 104235
Update Date: 11/02/2012
Case Number: MIXTURE
Name: LACQUER THINNER AND PAINT REDUCER SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 04/16/2003
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 04/16/2003
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 04/16/2003
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 09/02/2004
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG

TOYOTA SAN DIEGO (Continued) **S105164211**

Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	104235
Update Date:	11/02/2012
Inspection Date:	04/22/2008
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Facility Id:	104235
Update Date:	11/02/2012
Inspection Date:	09/02/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	104235
Business Type:	6HK31
EPA Id Number:	CAL000238010
APN:	461-170-08-00
Last HMMD Inspection:	03/28/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	CONANT AUTO RENTAL SAN DIEGO INC
Facility Address:	5910 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	ALESSIO LEASING CORP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104235 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	120
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1998-04-17 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported

TOYOTA SAN DIEGO (Continued) **S105164211**

Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 104235 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-07-04 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104235 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-07-04 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104235 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	104235
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1995-07-04 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 104235 T005
Last Update:	2012-11-02 14:17:38

TOYOTA SAN DIEGO (Continued) **S105164211**

Permit Number:	104235
Tank Type:	UNKNOWN
Additional Id:	005
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-04-17 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Active Permits:

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	COMPRESSED ACETYLENE GAS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	647-425-47
Name:	OIL, LUBRICATING: ATF, MOTOR OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SODIUM METASIUCATE / TY POLYPHOSPHATE MIXTURE
Other Information:	HEAVY DUTY CLEANER (PURPLE THUNDER)
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	104235
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS

TOYOTA SAN DIEGO (Continued) **S105164211**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON, AR, 75%; CARBON DIOXIDECO2,
Other Information: 25%: COMPRESSED GAS MIXTURE, MIG MIX
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: HELIUM GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, 02, 99%, COMPRESSED GAS:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 104235
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AUTOMOTIVE PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

TOYOTA SAN DIEGO (Continued) **S105164211**

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: SPENT BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT SLUDGE FROM BOOTH
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: USED ABSORBENTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: WASTE DIESEL/GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104235
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHLENE GLYCOL
Other Information: ANTIFREEZE - COOLANT
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 104235
Update Date: 11/02/2012
Case Number: MIXTURE

TOYOTA SAN DIEGO (Continued) **S105164211**

Name: LACQUER THINNER AND PAINT REDUCER SOLVENT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 104235
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 04/16/2003
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 04/16/2003
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 04/16/2003
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 09/02/2004
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 04/22/2008
Violation Code: 6HV0402

TOYOTA SAN DIEGO (Continued) **S105164211**

Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Facility Id: 104235
Update Date: 11/02/2012
Inspection Date: 09/02/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

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21 **EDR US Hist Auto Stat** **1015563901**

5913 MISSION GORGE RD **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name: DANIELS FOREIGN AUTO REPAIR
Year: 2003
Address: 5913 MISSION GORGE RD

Name: DANIELS FOREIGN AUTO REPAIR
Year: 2004
Address: 5913 MISSION GORGE RD

Name: DANIELS FOREIGN AUTO REPAIR
Year: 2005
Address: 5913 MISSION GORGE RD

Name: DANIELS FOREIGN AUTO REPAIR
Year: 2006
Address: 5913 MISSION GORGE RD

Name: DANIELS FOREIGN AUTO REPAIR
Year: 2007
Address: 5913 MISSION GORGE RD

Name: DANIELS FOREIGN AUTO REPAIR
Year: 2008
Address: 5913 MISSION GORGE RD

Name: YCM AUTOMOBILE
Year: 2009
Address: 5913 MISSION GORGE RD

Name: YMC AUTOMOTIVE
Year: 2010
Address: 5913 MISSION GORGE RD

Name: RX MASTER AUTOMOTIVE
Year: 2012
Address: 5913 MISSION GORGE RD

21 **AHRENS CORPORATION** **CA SWEEPS UST** **S102863160**
5915 MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120

SWEEPS UST:

Status:	Active
Comp Number:	28737
Number:	9
Board Of Equalization:	44-023757
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-028737-000001
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	212759
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	461-320-09-00
Last HMMD Inspection:	10/07/2010
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	AHRENS CORPORATION
Facility Address:	5915 MISSION GORGE RD # 205
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	212759
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	212759
Update Date:	11/02/2012
Case Number:	231-168-5
Name:	HELIUM
Other Information:	Not reported
Material Waste:	Material

AHRENS CORPORATION (Continued) **S102863160**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 212759
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 212759
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 212759
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON/CO2 MIX (75%-25%)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 206023
Business Type: 6HK26
EPA Id Number: Not reported
APN: 461-320-09-00
Last HMMD Inspection: 08/16/2007
Permit Status: INAC
Permit Expiration: 04/30/2006
Facility Owner: JED PARSEE
Facility Address: 5915 MISSION GORGE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 206023
Update Date: 11/02/2012
Inspection Date: 11/09/2005
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation

AHRENS CORPORATION (Continued) **S102863160**

date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)

Activity: Inactive Permit

Facility Id: 128737
Business Type: 6HK70
EPA Id Number: CAL00000899
APN: 461-320-09-00
Last HMMD Inspection: 03/25/1999
Permit Status: INAC
Permit Expiration: 03/25/1999
Facility Owner: HAFER STEEL COMPANY
Facility Address: PO BOX 600007
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92160-0007
UST Owner: HAFER STEEL COMPANY
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 128737 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 128737
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1996-10-16 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Facility Id: 210403
Business Type: 6HK25
EPA Id Number: Not reported
APN: 461-320-09-00
Last HMMD Inspection: 02/25/2009
Permit Status: INAC
Permit Expiration: 06/30/2010
Facility Owner: MIKE MORDANI
Facility Address: 5915 MISSION GORGE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120
UST Owner: Not reported
Handle Regulated Hazmat: Not reported

AHRENS CORPORATION (Continued) **S102863160**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 210403
Update Date: 11/02/2012
Inspection Date: 02/25/2009
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: Inactive Permit

Facility Id: 210403
Update Date: 11/02/2012
Inspection Date: 02/25/2009
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: Inactive Permit

Click this hyperlink while viewing on your computer to access additional CA_HMMD: detail in the EDR Site Report.

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21 **ATLAS TOW SERVICE** **EDR US Hist Auto Stat** **1008998683**
5921 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: ATLAS TOW SERVICE
Year: 1966
Type: AUTOMOBILE REPAIRING

Name: ATLAS TOW SERVICE
Year: 1970
Type: AUTOMOBILE REPAIRING

Name: ATLAS TOW SERVICE
Year: 1975
Type: AUTOMOBILE REPAIRING

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21 **SAPPER CONSTRUCTION CO** **CA HIST CORTESE** **S100734771**
5927 MISSION GORGE RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1448

SAPPER CONSTRUCTION CO (Continued) **S100734771**

LUST:

Region:	STATE
Global Id:	T0607300274
Latitude:	32.781608
Longitude:	-117.098144
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/07/1989
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1448
LOC Case Number:	H29213-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300274
Status:	Open - Case Begin Date
Status Date:	05/16/1989
Global Id:	T0607300274
Status:	Completed - Case Closed
Status Date:	07/07/1989

Regulatory Activities:

Global Id:	T0607300274
Action Type:	Other
Date:	06/06/1989
Action:	Leak Began
Global Id:	T0607300274
Action Type:	Other
Date:	06/06/1989
Action:	Leak Discovery
Global Id:	T0607300274
Action Type:	Other
Date:	06/09/1989
Action:	Leak Stopped
Global Id:	T0607300274
Action Type:	Other
Date:	05/16/1989
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1448
Local Case:	H29213-001

SAPPER CONSTRUCTION CO (Continued) **S100734771**

Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Piping
Cause: Overfill
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 05/16/1989
Date Stopped: 05/16/1989
Confirm Date: 05/16/1989
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/16/1989
Enforce Date: Not reported
Closed Date: 7/7/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 29213
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 29213
Number: Not reported
Board Of Equalization: Not reported

SAPPER CONSTRUCTION CO (Continued) **S100734771**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029213-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	129213
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	461-320-29-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SAPPER CONSTRUCTION CO
Facility Address:	P O BOX 20534
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 129213 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	129213
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-05-16 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H29213-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**

SAPPER CONSTRUCTION CO (Continued) **S100734771**

Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	7/7/1989
Date Began:	6/6/1989

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21 **THE HOME DEPOT STORE #6634** **RCRA-SQG 1008879937**
5920 FAIRMOUNT AVE **FINDS CAR000168013**
SAN DIEGO, CA 92120

RCRA-SQG:

Date form received by agency:	06/29/2005
Facility name:	HOME DEPOT USA INC HD 6634
Facility address:	5920 FAIRMOUNT AVE SAN DIEGO, CA 92120
EPA ID:	CAR000168013
Mailing address:	1905 ASTON AVE STE 100 CARLSBAD, CA 92008
Contact:	ROBERT PERKINS
Contact address:	1905 ASTON AVE STE 100 CARLSBAD, CA 92008
Contact country:	US
Contact telephone:	760-602-8700
Contact email:	RPERKINS@3ECOMPANY.COM
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	HOME DEPOT USA
Owner/operator address:	2455 PACES FERRY RD ATLANTA, GA 30339
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/21/1998
Owner/Op end date:	Not reported

Owner/operator name:	HOME DEPOT USA
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/21/1998
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

THE HOME DEPOT STORE #6634 (Continued) **1008879937**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110055671214

THE HOME DEPOT STORE #6634 (Continued) **1008879937**

Environmental Interest/Information System
STATE MASTER

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21 **SPARKLETTS DRINKING WATER CORPORATION** **RCRA-SQG** **1000363610**
5930 MISSION GORGE ROAD **FINDS** **CAD048752117**
SAN DIEGO, CA 92120 **CA HIST CORTESE**
CA LUST
CA HIST UST
CA SWEEPS UST
CA San Diego Co. HMMD
CA HAZNET
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SPARKLETTS DRINKING WATER CORPORATION
Facility address:	5930 MISSION GORGE ROAD SAN DIEGO, CA 92120
EPA ID:	CAD048752117
Mailing address:	4500 YORK BLVD LOS ANGELES, CA 90041
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FOREMOST-MCKESSON INCORPORATED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

SPARKLETTS DRINKING WATER CORPORATION (Continued) **1000363610**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 02/23/1996
- Site name: SPARKLETTS DRINKING WATER
- Classification: Large Quantity Generator

- Date form received by agency: 08/15/1980
- Site name: SPARKLETTS DRINKING WATER CORPORATION
- Classification: Large Quantity Generator

- Violation Status: No violations found

FINDS:

- Registry ID: 110000844374

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:
- Region: CORTESE
- Facility County Code: 37
- Reg By: LTNKA
- Reg Id: 9UT905

LUST:
- Region: STATE
- Global Id: T0607303146
- Latitude: 32.7811632
- Longitude: -117.10129
- Case Type: LUST Cleanup Site
- Status: Completed - Case Closed
- Status Date: 02/18/1998
- Lead Agency: SAN DIEGO COUNTY LOP

SPARKLETTS DRINKING WATER CORPORATION (Continued) **1000363610**

Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT905
LOC Case Number:	H01078-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607303146
Status:	Completed - Case Closed
Status Date:	02/18/1998

Global Id:	T0607303146
Status:	Open - Case Begin Date
Status Date:	02/09/1988

Regulatory Activities:

Global Id:	T0607303146
Action Type:	ENFORCEMENT
Date:	02/09/1988
Action:	Notice of Responsibility

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT905
Local Case:	H01078-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Piping
Cause:	Overfill
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	02/09/1988
Date Stopped:	02/09/1988
Confirm Date:	02/09/1988
Submit Workplan:	Not reported
Prelim Assess:	02/09/1988
Desc Pollution:	9/1/92
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	8/5/92
Release Date:	02/09/1988
Enforce Date:	Not reported
Closed Date:	2/18/98
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11

SPARKLETTS DRINKING WATER CORPORATION (Continued) **1000363610**

GW Depth: 11'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST UST:
Region: STATE
Facility ID: 00000064142
Facility Type: Other
Other Type: DRINKING WATER
Contact Name: ART ROSENSTEIN
Telephone: 6192833191
Owner Name: SPARKLETTS DRINKING WATER CORP
Owner Address: 4500 YORK BLVD.
Owner City,St,Zip: LOS ANGELES, CA 90041
Total Tanks: 0002

Tank Num: 001
Container Num: 6
Year Installed: 1981
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/4
Leak Detection: Visual, Stock Inventor, Pressure Test

Tank Num: 002
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Visual, Stock Inventor, Pressure Test

SWEEPS UST:
Status: Active
Comp Number: 1078
Number: 9
Board Of Equalization: 44-018455
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

SPARKLETTS DRINKING WATER CORPORATION (Continued) **1000363610**

Status:	Not reported
Comp Number:	1078
Number:	Not reported
Board Of Equalization:	44-018455
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001078-000001
Tank Status:	Not reported
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	2

Status:	Not reported
Comp Number:	1078
Number:	Not reported
Board Of Equalization:	44-018455
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001078-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	101078
Business Type:	Not reported
EPA Id Number:	CAD980891220
APN:	461-190-05-00
Last HMMD Inspection:	12/16/1994
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SPARKLETTS
Facility Address:	P O BOX 41049
Facility City:	LOS ANGELES
Facility State:	CA
Facility Zip:	90041-0049
UST Owner:	MCKESSON WATER DIVISION
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 101078 T001

SPARKLETTS DRINKING WATER CORPORATION (Continued) **1000363610**

Last Update:	2012-11-02 14:17:38
Permit Number:	101078
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-12-13 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 101078 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	101078
Tank Type:	SINGLE WALL
Additional Id:	7
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-12-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

HAZNET:

envid:	1000363610
Year:	1997
GEPAID:	CAD048752117
Contact:	MCKESSON WATER PRODUCTS
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3280 EAST FOOTHILL BLVD
Mailing City,St,Zip:	PASADENA, CA 911070000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	.1667
Facility County:	San Diego

envid:	1000363610
Year:	1996
GEPAID:	CAD048752117
Contact:	MCKESSON WATER PRODUCTS
Telephone:	0000000000
Mailing Name:	Not reported

SPARKLETTS DRINKING WATER CORPORATION (Continued) **1000363610**

Mailing Address: 3280 EAST FOOTHILL BLVD
Mailing City,St,Zip: PASADENA, CA 911070000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: .1083
Facility County: San Diego

envid: 1000363610
Year: 1995
GEPAID: CAD048752117
Contact: MCKESSON WATER PRODUCTS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 3280 EAST FOOTHILL BLVD
Mailing City,St,Zip: PASADENA, CA 911070000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: .1541
Facility County: San Diego

envid: 1000363610
Year: 1994
GEPAID: CAD048752117
Contact: MCKESSON WATER PRODUCTS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 3280 EAST FOOTHILL BLVD
Mailing City,St,Zip: PASADENA, CA 911070000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: .2167
Facility County: San Diego

envid: 1000363610
Year: 1993
GEPAID: CAD048752117
Contact: MCKESSON WATER PRODUCTS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 3280 EAST FOOTHILL BLVD
Mailing City,St,Zip: PASADENA, CA 911070000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.1459
Facility County: San Diego

SPARKLETTS DRINKING WATER CORPORATION (Continued) **1000363610**

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

SAN DIEGO CO. SAM:

Case Number:	H01078-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	2/18/1998
Date Began:	2/9/1988

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21 **ROSE TOYOTA** **CA SLIC** **S109521481**
5957 FAIRMOUNT AV **N/A**
SAN DIEGO, CA 92105

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/07/2012
Global Id:	T0608146059
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H15269-001
Latitude:	32.782624
Longitude:	-117.100964
Case Type:	Cleanup Program Site
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	See "Site Maps/Documents" tab for Closure Document

Click here to access the California GeoTracker records for this facility:

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21 **ROSE AUTOMOTIVE SERVICE INC.** **CA LUST** **S106916236**
5957 FAIRMONT AV **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92120

LUST:

Region:	STATE
Global Id:	T0607302431
Latitude:	32.782013
Longitude:	-117.1007637
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/02/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	TS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT3666
LOC Case Number:	H04235-002
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline

ROSE AUTOMOTIVE SERVICE INC. (Continued) **S106916236**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607302431
Contact Type: Local Agency Caseworker
Contact Name: TERESA SHERMAN
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: teresa.sherman@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302431
Status: Completed - Case Closed
Status Date: 05/02/2003

Global Id: T0607302431
Status: Open - Case Begin Date
Status Date: 04/17/1998

Regulatory Activities:
Global Id: T0607302431
Action Type: Other
Date: 04/17/1998
Action: Leak Began

Global Id: T0607302431
Action Type: Other
Date: 04/17/1998
Action: Leak Discovery

Global Id: T0607302431
Action Type: Other
Date: 04/17/1998
Action: Leak Stopped

Global Id: T0607302431
Action Type: Other
Date: 04/17/1998
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H04235-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/2/2003
Date Began: 4/17/1998

21 **ROSE TOYOTA** **CA ENVIROSTOR** **S106797725**
5926-27,5933,5957 FAIRMOUNT AVE. **N/A**
SAN DIEGO, CA 92120

ENVIROSTOR:

Facility ID:	37550008
Status:	Refer: 1248 Local Agency
Status Date:	12/17/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.78284
Longitude:	-117.1027
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37550008
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

21 **SCHMID INSULATION CONTRACTORS** **CA HIST CORTESE** **U001573146**
4555 MISSION GORGE PL **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA HIST UST**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT990

LUST:

Region:	STATE
Global Id:	T0607303225
Latitude:	32.7829261
Longitude:	-117.0962046
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/09/1994
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT990
LOC Case Number:	H03699-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607303225
Status:	Completed - Case Closed
Status Date:	02/09/1994
Global Id:	T0607303225
Status:	Open - Case Begin Date
Status Date:	08/03/1988

Regulatory Activities:

Global Id:	T0607303225
Action Type:	Other
Date:	08/03/1988
Action:	Leak Began
Global Id:	T0607303225
Action Type:	Other
Date:	08/03/1988
Action:	Leak Discovery
Global Id:	T0607303225
Action Type:	Other
Date:	08/03/1988
Action:	Leak Stopped
Global Id:	T0607303225
Action Type:	Other
Date:	08/03/1988

SCHMID INSULATION CONTRACTORS (Continued) **U001573146**

Action: Leak Reported

Global Id: T0607303225
Action Type: ENFORCEMENT
Date: 08/03/1988
Action: Notice of Responsibility

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT990
Local Case: H03699-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Other Source
Cause: Overfill
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 07/15/1988
Date Stopped: 07/15/1988
Confirm Date: 07/15/1988
Submit Workplan: Not reported
Prelim Assess: 02/13/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/30/1988
Enforce Date: Not reported
Closed Date: 1/21/94
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 7
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST UST:
Region: STATE
Facility ID: 00000066446
Facility Type: Other
Other Type: INSULATION SALES
Contact Name: BILL RANEY
Telephone: 6192802773
Owner Name: A. THOMAS HALDEMAN

SCHMID INSULATION CONTRACTORS (Continued) **U001573146**

Owner Address: 2937 TANAGER AVENUE
Owner City,St,Zip: LOS ANGELES, CA 90040
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: 2
Container Construction Thickness: X
Leak Detection: None

SAN DIEGO CO. SAM:
Case Number: H03699-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 2/9/1994
Date Began: 8/3/1988

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21 **SCHMID INSULATION** **CA LUST S105036389**
4555 MISSION GORGE PL **CA SWEEPS UST N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**

SWEEPS UST:
Status: Active
Comp Number: 3699
Number: 9
Board Of Equalization: 44-021444
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3699
Number: Not reported
Board Of Equalization: 44-021444
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003699-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL

SCHMID INSULATION (Continued) **S105036389**

STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 103699
Business Type: Not reported
EPA Id Number: Not reported
APN: 461-330-26-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: SCHMID INSULATION CONTRACTORS
Facility Address: 4555 N MISSION GORGE PL
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120-4106
UST Owner: SCHMID INSULATION CONTRACTORS
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103699 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103699
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1988-07-14 00:00:00
Year Installed: 1974-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

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21 **CALIFORNIA NEON PRODUCTS** **RCRA-SQG** **1000252256**
4530 MISSION GORGE PLACE **FINDS** **CAD981684566**
SAN DIEGO, CA 92120 **CA NPDES**
CA HIST CORTESE
CA LUST
CA HIST UST
CA SWEEPS UST
CA San Diego Co. HMMD
CA EMI
CA SAN DIEGO CO. SAM

RCRA-SQG:
Date form received by agency: 10/17/1986
Facility name: CALIFORNIA NEON PRODUCTS

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Facility address:	4530 MISSION GORGE PLACE SAN DIEGO, CA 92120
EPA ID:	CAD981684566
Contact:	ENVIRONMENTAL MANAGER
Contact address:	4530 MISSION GORGE PLACE SAN DIEGO, CA 92120
Contact country:	US
Contact telephone:	(619) 283-2191
Contact email:	Not reported
EPA Region:	09
Land type:	Other land type
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CALIFORNIA NEON PRODUCTS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Facility Has Received Notices of Violations:
- Regulation violated: Not reported
- Area of violation: Generators - General
- Date violation determined: 04/21/2004
- Date achieved compliance: 06/14/2004
- Violation lead agency: State
  - Enforcement action: Not reported
  - Enforcement action date: Not reported
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: Not reported
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 04/21/2004
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Generators - General
- Date achieved compliance: 06/14/2004
- Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002751754

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

NPDES:
- Npdes Number: Not reported
- Facility Status: Not reported
- Agency Id: Not reported
- Region: 9
- Regulatory Measure Id: 421121
- Order No: Not reported
- Regulatory Measure Type: Industrial
- Place Id: Not reported
- WDID: 9 37I023383
- Program Type: Not reported
- Adoption Date Of Regulatory Measure: Not reported
- Effective Date Of Regulatory Measure: Not reported
- Expiration Date Of Regulatory Measure: Not reported

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/24/2011
PROCESSED DATE:	10/24/2011
STATUS CODE NAME:	Active
STATUS DATE:	10/24/2011
PLACE SIZE:	4.5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Bob Lenzini
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-283-2191
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	CNP Signs & Graphics
OPERATOR ADDRESS:	4530 Mission Gorge Place
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92120
OPERATOR CONTACT NAME:	Bob Lenzini
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	692-283-2191
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Not reported

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3993-Signs and Advertising Specialties
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	421121
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I023383
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/24/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	CNP Signs & Graphics
Discharge Address:	4530 Mission Gorge Place
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92120
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2944

LUST:

Region:	STATE
Global Id:	T0607301710
Latitude:	32.7829975
Longitude:	-117.0970552
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/20/1996
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2944
LOC Case Number:	H02709-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301710
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

City: San Diego
Email: nasser.sionit@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607301710
Status: Open - Case Begin Date
Status Date: 10/21/1994

Global Id: T0607301710
Status: Completed - Case Closed
Status Date: 09/20/1996

Regulatory Activities:
Global Id: T0607301710
Action Type: ENFORCEMENT
Date: 09/06/1996
Action: Closure/No Further Action Letter - #H02709-001

Global Id: T0607301710
Action Type: Other
Date: 10/21/1994
Action: Leak Began

Global Id: T0607301710
Action Type: Other
Date: 10/21/1994
Action: Leak Discovery

Global Id: T0607301710
Action Type: ENFORCEMENT
Date: 11/21/1994
Action: Notice of Responsibility

Global Id: T0607301710
Action Type: Other
Date: 10/21/1994
Action: Leak Stopped

Global Id: T0607301710
Action Type: Other
Date: 10/21/1994
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2944
Local Case: H02709-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/21/1994
Date Stopped: 10/21/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/15/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/21/1994
Enforce Date: Not reported
Closed Date: 9/13/96
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 8’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 3A
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST UST:
Region: STATE
Facility ID: 00000000229
Facility Type: Other
Other Type: SIGN MANUFACTURING
Contact Name: DAVID O’CONNELL/SAFETY CHAIRMA
Telephone: 6192832191
Owner Name: CALIFORNIA NEON PRODUCTS
Owner Address: 4530 MISSION GORGE PLACE
Owner City,St,Zip: SAN DIEGO, CA 92120
Total Tanks: 0002

Tank Num: 001
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Leak Detection: None

SWEEPS UST:
Status: Active
Comp Number: 2709
Number: 9
Board Of Equalization: 44-021726
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002709-000001
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 2709
Number: 9
Board Of Equalization: 44-021726
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002709-000002
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 102709
Business Type: 6HK70
EPA Id Number: CAD981684566
APN: 461-210-03-00
Last HMMD Inspection: 10/24/2011
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: CALIFORNIA NEON PRODUCTS
Facility Address: 4530 MISSION GORGE PL
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120-4106
UST Owner: CALIFORNIA NEON PRODUCTS
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 102709 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 102709
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-10-21 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 10
UST Monitor Method: SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 102709 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 102709
Tank Type: SINGLE WALL
Additional Id: 1 UNLEADED
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1994-10-21 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 10
UST Monitor Method: SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

Active Permits:

Facility Id: 102709
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON - COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 102709
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, O2, 99%, COMPRESSED GAS :
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 102709

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	102709
Update Date:	11/02/2012
Case Number:	115-07-1
Name:	PROPYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	102709
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	102709
Update Date:	11/02/2012
Case Number:	64742-89-8
Name:	LIGHT (PETROLEUM) ALIPHATICS 37% (LACQUER THINNER)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	102709
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	102709
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PAINT
Other Information:	VARIOUS TYPES
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	102709
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Other Information: THINNER CLEANS SPRAY GUNS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102709
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON/CO2 [75%-25%)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102709
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 102709
Update Date: 11/02/2012
Inspection Date: 04/21/2004
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Facility Id: 102709
Update Date: 11/02/2012
Inspection Date: 04/21/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Facility Id: 102709
Update Date: 11/02/2012
Inspection Date: 11/09/2005
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

EMI:
Year: 1998
County Code: 37

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3270
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3270
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3270
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3270
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.519318
Reactive Organic Gases Tons/Yr:	10.163688
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.51
Reactive Organic Gases Tons/Yr:	10.15
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.85
Reactive Organic Gases Tons/Yr:	3.42
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.85
Reactive Organic Gases Tons/Yr:	3.42
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.85
Reactive Organic Gases Tons/Yr:	3.42
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.4900000000000002
Reactive Organic Gases Tons/Yr:	2.7799999999999998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.48
Reactive Organic Gases Tons/Yr:	2.77
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

CALIFORNIA NEON PRODUCTS (Continued) **1000252256**

Total Organic Hydrocarbon Gases Tons/Yr:	3.49
Reactive Organic Gases Tons/Yr:	2.78
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	673
Air District Name:	SD
SIC Code:	3993
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.49
Reactive Organic Gases Tons/Yr:	2.78
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H02709-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	9/20/1996
Date Began:	10/21/1994

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21 **GAINES PLUMBING COMPANY** **CA HIST UST** **U001573134**
5975 FAIRMOUNT AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120

HIST UST:

Region:	STATE
Facility ID:	00000048010
Facility Type:	Other
Other Type:	PLUMBING CONTRACTOR
Contact Name:	Not reported
Telephone:	6192805975
Owner Name:	GAINES PLUMBING COMPANY
Owner Address:	5975 FAIRMOUNT AVE
Owner City,St,Zip:	SAN DIEGO, CA 92120
Total Tanks:	0000

Tank Num:	001
Container Num:	001
Year Installed:	1970
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported

GAINES PLUMBING COMPANY (Continued) **U001573134**

Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 002
Year Installed: 1976
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Not reported
Comp Number: 4563
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004563-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 4563
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004563-000002
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4563
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004563-000003
Tank Status: Not reported
Capacity: 1000

GAINES PLUMBING COMPANY (Continued) **U001573134**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	4563
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004563-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

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21 **ULTRAMAR** **CA LUST** **S103723462**
6011 MISSION GORGE RD **CA EMI** **N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3850
Local Case:	H12334-001
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	01/05/1999
Date Stopped:	01/05/1999
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	01/20/1999
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/19/1999
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	Not reported

ULTRAMAR (Continued) **S103723462**

Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4461
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.001176
Reactive Organic Gases Tons/Yr:	.001176
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4461
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.00118
Reactive Organic Gases Tons/Yr:	.00118
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	4461
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.00118
Reactive Organic Gases Tons/Yr:	.00118
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

ULTRAMAR (Continued) **S103723462**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4461
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.18000000000000001E-3
Reactive Organic Gases Tons/Yr:	1.18000000000000001E-3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4461
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.18000000000000001E-3
Reactive Organic Gases Tons/Yr:	1.18000000000000001E-3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	4461
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00118
Reactive Organic Gases Tons/Yr:	0.00118
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2012
County Code:	37
Air Basin:	SD

ULTRAMAR (Continued) **S103723462**

Facility ID:	4461
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00118
Reactive Organic Gases Tons/Yr:	0.00118
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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21 **BOB WHEELER ULTRAMAR** **CA UST** **U003789334**
6011 MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

UST:

Facility ID:	H12334
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.784685
Longitude:	-117.096576

SAN DIEGO CO. HMMD:

Facility Id:	112334
Business Type:	6HK28
EPA Id Number:	CAL000002452
APN:	461-210-12-00
Last HMMD Inspection:	10/01/2002
Permit Status:	INAC
Permit Expiration:	06/30/2004
Facility Owner:	BOB WHEELER
Facility Address:	6011 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-4007
UST Owner:	BILL GINOS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112334 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-01-01 00:00:00
Pipe Type:	DOUBLE WALL

BOB WHEELER ULTRAMAR (Continued) **U003789334**

Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 112334 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	7000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-11-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112334 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-11-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112334 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	5000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-11-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112334 T005

BOB WHEELER ULTRAMAR (Continued) **U003789334**

Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	CLOSED
Remove Close Date:	1999-01-20 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	Not reported
UST Monitor Method:	Not reported

UST Name:	UNDERGROUND TANK 112334 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	DOUBLE WALL
Additional Id:	6
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 112334 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	DOUBLE WALL
Additional Id:	7
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 112334 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	112334
Tank Type:	DOUBLE WALL
Additional Id:	8
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

BOB WHEELER ULTRAMAR (Continued) **U003789334**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

SAN DIEGO CO. SAM:

Case Number:	H12334-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	6/18/2009
Date Began:	1/5/1999

Case Number:	H12334-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	OX
Facility Status:	Preliminary Assessment
Date:	7/7/2006
Date Began:	12/1/2003

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21 **BILL GINOS CHEVRON** **CA HIST CORTESE** **U001573118**
6011 MISSION GORGE RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA HIST UST**
CA San Diego Co. HMMD

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3850

LUST:

Region:	STATE
Global Id:	T0607302609
Latitude:	32.783181392
Longitude:	-117.098004193
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/24/2009
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	LA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT3850
LOC Case Number:	H12334-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

BILL GINOS CHEVRON (Continued) **U001573118**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302609
Contact Type:	Local Agency Caseworker
Contact Name:	LAURIE APECECHEA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	laurie.apececchea@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607302609
Status:	Completed - Case Closed
Status Date:	07/24/2009
Global Id:	T0607302609
Status:	Open - Verification Monitoring
Status Date:	04/10/2009
Global Id:	T0607302609
Status:	Open - Case Begin Date
Status Date:	01/05/1999
Global Id:	T0607302609
Status:	Open - Remediation
Status Date:	11/25/2002

Regulatory Activities:

Global Id:	T0607302609
Action Type:	Other
Date:	01/05/1999
Action:	Leak Began
Global Id:	T0607302609
Action Type:	Other
Date:	01/05/1999
Action:	Leak Discovery
Global Id:	T0607302609
Action Type:	Other
Date:	01/05/1999
Action:	Leak Stopped
Global Id:	T0607302609
Action Type:	ENFORCEMENT
Date:	03/01/1999
Action:	Notice of Responsibility
Global Id:	T0607302609
Action Type:	Other
Date:	01/19/1999
Action:	Leak Reported
Global Id:	T0607302609

BILL GINOS CHEVRON (Continued) **U001573118**

Action Type:	ENFORCEMENT
Date:	06/13/2009
Action:	Closure/No Further Action Letter

Region:	STATE
Global Id:	T06019788897
Latitude:	32.783266
Longitude:	-117.097961
Case Type:	LUST Cleanup Site
Status:	Open - Eligible for Closure
Status Date:	05/29/2014
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	LB
Local Agency:	Not reported
RB Case Number:	Not reported
LOC Case Number:	Not reported
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Benzene, Toluene, Xylene, MTBE / TBA / Other Fuel Oxygenates, Gasoline
Site History:	Analytical results for soil samples collected during a piping/dispenser upgrade inspection on December 1, 2003, indicated that an unauthorized release of gasoline had occurred at the site (note that a previous release from a waste oil tank was addressed under H12334-001). The maximum detected gasoline concentration in the samples, which were collected beneath former dispenser locations and associated product piping trenches, was 4,480 milligrams per kilogram (mg/kg). Subsequent site assessment activities have included the installation of three, on-site monitoring wells (DW3, DW5, and DW6) in July 2007. Analytical results for soil samples collected from the well borings suggest that petroleum hydrocarbon impacts to soil are primarily within 5 feet of the ground surface. Depth-to-water measurements range from approximately 11 to 14.5 feet below the ground surface. Groundwater samples collected from DW3, which is located downgradient of the western dispenser island, indicate primary impacts by benzene, toluene, ethylbenzene, and xylenes (BTEX) and the fuel oxygenate methyl-tert-butyl ether (MTBE). The dissolved contaminant plume appears to have migrated offsite to the northwest. A workplan for the installation of five, off-site monitoring wells was approved by DEH on May 12, 2009, to provide further plume definition.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T06019788897
Contact Type:	Regional Board Caseworker
Contact Name:	LAUREN BRAY
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 Northside Drive Suite 100
City:	SAN DIEGO
Email:	lauren.bray@waterboards.ca.gov
Phone Number:	6195213001

Status History:

Global Id:	T06019788897
Status:	Open - Site Assessment

BILL GINOS CHEVRON (Continued) **U001573118**

Status Date: 01/17/2007

Global Id: T06019788897
Status: Open - Eligible for Closure
Status Date: 05/29/2014

Global Id: T06019788897
Status: Open - Case Begin Date
Status Date: 12/01/2003

Regulatory Activities:

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 03/11/2014
Action: Notification - Public Notice of Case Closure

Global Id: T06019788897
Action Type: Other
Date: 12/01/2003
Action: Leak Began

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 08/26/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 07/16/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: Other
Date: 12/01/2003
Action: Leak Discovery

Global Id: T06019788897
Action Type: RESPONSE
Date: 08/17/2010
Action: Site Assessment Report

Global Id: T06019788897
Action Type: RESPONSE
Date: 12/31/2010
Action: Monitoring Report - Quarterly

Global Id: T06019788897
Action Type: RESPONSE
Date: 10/31/2010
Action: Soil and Water Investigation Workplan

Global Id: T06019788897
Action Type: Other
Date: 11/28/2005
Action: Leak Stopped

Global Id: T06019788897

BILL GINOS CHEVRON (Continued) **U001573118**

Action Type: Other
Date: 11/28/2005
Action: Leak Reported

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 07/24/2006
Action: Notice of Responsibility

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 08/26/2013
Action: Letter - Notice

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 07/06/2012
Action: Letter - Notice

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 05/12/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 12/03/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 05/22/2012
Action: Letter - Notice

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 12/05/2013
Action: Referral to Regional Board

Global Id: T06019788897
Action Type: RESPONSE
Date: 10/10/2014
Action: Other Report / Document

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 01/16/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 03/11/2014

BILL GINOS CHEVRON (Continued) **U001573118**

Action: Notification - Fee Title Owners Notice

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 02/27/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 10/20/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 07/30/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: ENFORCEMENT
Date: 05/23/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019788897
Action Type: RESPONSE
Date: 10/10/2009
Action: Monitoring Report - Quarterly

HIST UST:
Region: STATE
Facility ID: 00000051298
Facility Type: Gas Station
Other Type: Not reported
Contact Name: DEALER
Telephone: 6192836031
Owner Name: BILL GINOS (OWNER)
Owner Address: 6011 MISSION GORGE RD.
Owner City,St,Zip: SAN DIEGO, CA 92120
Total Tanks: 0005

Tank Num: 001
Container Num: 4
Year Installed: 1982
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00007000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

BILL GINOS CHEVRON (Continued) **U001573118**

Tank Num: 003
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

SAN DIEGO CO. HMMD:
Facility Id: 201852
Business Type: 6HK28
EPA Id Number: CAL000359513
APN: 461-210-12-00
Last HMMD Inspection: 03/13/2012
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: NASH MAROKI
Facility Address: 6011 MISSION GORGE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120
UST Owner: C W GINOS
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112334 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 201852
Tank Type: SINGLE WALL
Additional Id: RT2433
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL

BILL GINOS CHEVRON (Continued) **U001573118**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112334 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112334 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112334 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A

BILL GINOS CHEVRON (Continued) **U001573118**

UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: UNDERGROUND TANK 112334 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 112334 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112334 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201852
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112334 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

BILL GINOS CHEVRON (Continued) **U001573118**

Facility Id:	201852
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/13/2012
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012

BILL GINOS CHEVRON (Continued) **U001573118**

Inspection Date:	03/09/2010
Violation Code:	6HV3414
Violation:	NO PUMP SHUT-DOWN/STOP FLOW FOR OTHER
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):OPTION 2: No pump shut down & fail safe for other pipe secondary containment. 2636(f)(5)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/05/2009
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3405
Violation:	LLD DOESN’T DETECT 3.0 GPH OR EQUIVA
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a),

BILL GINOS CHEVRON (Continued) **U001573118**

	25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	201852

BILL GINOS CHEVRON (Continued) **U001573118**

Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3251

BILL GINOS CHEVRON (Continued) **U001573118**

Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Facility Id:	201852
Business Type:	6HK28
EPA Id Number:	CAL000359513
APN:	461-210-12-00
Last HMMD Inspection:	03/13/2012
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	NASH MAROKI
Facility Address:	6011 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	C W GINOS
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112334 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	SINGLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 112334 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A

BILL GINOS CHEVRON (Continued) **U001573118**

UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 112334 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 201852
Tank Type: DOUBLE WALL
Additional Id: RT2433
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1987-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 112334 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 201852
Tank Type: DOUBLE WALL
Additional Id: RT2433
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1987-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:
Facility Id: 201852
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: UNDERGROUND TANK 112334 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 112334 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201852

BILL GINOS CHEVRON (Continued) **U001573118**

Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	201852
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112334 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	201852
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	201852
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112334 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	201852
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008

BILL GINOS CHEVRON (Continued) **U001573118**

Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/13/2012
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3414
Violation:	NO PUMP SHUT-DOWN/STOP FLOW FOR OTHER
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):OPTION 2: No pump shut down & fail safe for other pipe secondary containment. 2636(f)(5)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/05/2009
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE

BILL GINOS CHEVRON (Continued) **U001573118**

Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3405
Violation:	LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	201852

BILL GINOS CHEVRON (Continued) **U001573118**

Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD

BILL GINOS CHEVRON (Continued) **U001573118**

Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Facility Id:	201852
Business Type:	6HK28
EPA Id Number:	CAL000359513
APN:	461-210-12-00
Last HMMD Inspection:	03/13/2012
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	NASH MAROKI
Facility Address:	6011 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	C W GINOS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

BILL GINOS CHEVRON (Continued) **U001573118**

Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 112334 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 201852
Tank Type: SINGLE WALL
Additional Id: RT2433
Capacity Gallons: 8000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1983-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 14
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 112334 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 201852
Tank Type: DOUBLE WALL
Additional Id: RT2433
Capacity Gallons: 8000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1987-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 112334 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 201852
Tank Type: DOUBLE WALL
Additional Id: RT2433
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1987-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 112334 T008
Last Update: 2012-11-02 14:17:38

BILL GINOS CHEVRON (Continued) **U001573118**

Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	201852
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	UNDERGROUND TANK 112334 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	201852
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 112334 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	201852
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	201852
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112334 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	201852
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FUEL FILTERS

BILL GINOS CHEVRON (Continued) **U001573118**

Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	201852
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112334 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	201852
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/13/2012
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

BILL GINOS CHEVRON (Continued) **U001573118**

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3414
Violation:	NO PUMP SHUT-DOWN/STOP FLOW FOR OTHER
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):OPTION 2: No pump shut down & fail safe for other pipe secondary containment. 2636(f)(5)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/05/2009
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005

BILL GINOS CHEVRON (Continued) **U001573118**

Violation Code:	6HV3405
Violation:	LLD DOESN'T DETECT 3.0 GPH OR EQUIVA
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly.

BILL GINOS CHEVRON (Continued) **U001573118**

	2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Facility Id:	201852

BILL GINOS CHEVRON (Continued) **U001573118**

Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE

Facility Id:	201852
Business Type:	6HK28
EPA Id Number:	CAL000359513
APN:	461-210-12-00
Last HMMD Inspection:	03/13/2012
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	NASH MAROKI
Facility Address:	6011 MISSION GORGE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	C W GINOS
Handle Regulated Hazmat:	N
Own Or Operate UST:	N
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112334 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	SINGLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1983-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	14
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ RESTRICTIVE LLD + CERT ATG: IN-TANK TEST MONTHLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112334 T006
Last Update:	2012-11-02 14:17:38

BILL GINOS CHEVRON (Continued) **U001573118**

Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112334 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112334 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	201852
Tank Type:	DOUBLE WALL
Additional Id:	RT2433
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	201852
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	UNDERGROUND TANK 112334 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE

BILL GINOS CHEVRON (Continued) **U001573118**

Hazardous Categories 2: CHRONIC

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 112334 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112334 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201852
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201852
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112334 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201852
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

BILL GINOS CHEVRON (Continued) **U001573118**

Violations Active Permits:

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/13/2012
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3414
Violation:	NO PUMP SHUT-DOWN/STOP FLOW FOR OTHER
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):OPTION 2: No pump shut down & fail safe for other pipe secondary containment. 2636(f)(5)
Activity:	ACTIVE

Facility Id:	201852

BILL GINOS CHEVRON (Continued) **U001573118**

Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/05/2009
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3405
Violation:	LLD DOESN’T DETECT 3.0 GPH OR EQUIVA
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING: OPTION 3-Line leak detector does not detect 3.0 gph or equivalent? 2636(f)(2)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging

BILL GINOS CHEVRON (Continued) **U001573118**

	test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/09/2010
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	201852

BILL GINOS CHEVRON (Continued) **U001573118**

Update Date:	11/02/2012
Inspection Date:	02/06/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3501
Violation:	NO MONTHLY 0.2 GPH TANK GAUGING TEST
Violation Citation:	SINGLE WALLED TANKS:OPTION 1: Monthly 0.2 gallon per hour tank gauging test not performed. 2643(b)(1)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/02/2006
Violation Code:	6HV3101
Violation:	UPF PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	201852
Update Date:	11/02/2012
Inspection Date:	03/22/2011
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE

Click this hyperlink while viewing on your computer to access
3 additional CA_HMMD: record(s) in the EDR Site Report.

21 **USAR CNTR SAN DIEGO** **CA ENVIROSTOR** **S107737506**
N/A

SAN DIEGO, CA

ENVIROSTOR:

Facility ID:	80000490
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	79
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	32.78361
Longitude:	-117.1002
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F564300
Alias Type:	Federal Facility ID
Alias Name:	J09CA0656
Alias Type:	INPR
Alias Name:	80000490
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

21 AUTOMOTIVE FLEET SERVICE INC — **RCRA-SQG 1000335030**
6029 FAIRMOUNT AVE — **FINDS CAD981974389**
SAN DIEGO, CA 92120 — **CA HIST UST**
CA SWEEPS UST
CA San Diego Co. HMMD
CA HAZNET

RCRA-SQG:

Date form received by agency:	04/23/1987
Facility name:	AUTOMOTIVE FLEET SERVICE INC
Facility address:	6029 FAIRMOUNT AVE SAN DIEGO, CA 92120
EPA ID:	CAD981974389
Contact:	ENVIRONMENTAL MANAGER
Contact address:	6029 FAIRMOUNT AVE SAN DIEGO, CA 92120
Contact country:	US
Contact telephone:	(619) 283-0133
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	JOHN RICHARD
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

AUTOMOTIVE FLEET SERVICE INC (Continued) **1000335030**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002761422

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

Region: STATE
Facility ID: 00000054070
Facility Type: Other
Other Type: REPAIR
Contact Name: JOHN RICHMOND
Telephone: 6192830133
Owner Name: GAINES PLUMBING CO.
Owner Address: 5975 FAIRMOUNT AVE.
Owner City,St,Zip: SAN DIEGO, CA 92120
Total Tanks: 0000

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

AUTOMOTIVE FLEET SERVICE INC (Continued) **1000335030**

SWEEPS UST:

Status:	Active
Comp Number:	15538
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	15538
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-015538-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	15538
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-015538-000002
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	15538
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported

AUTOMOTIVE FLEET SERVICE INC (Continued) **1000335030**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-015538-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	15538
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-015538-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	126158
Business Type:	6HK26
EPA Id Number:	CAL000659664
APN:	461-160-03-00
Last HMMD Inspection:	03/03/1993
Permit Status:	INAC
Permit Expiration:	03/03/1993
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	115538
Business Type:	6HK26
EPA Id Number:	CAD981974389
APN:	461-160-03-00
Last HMMD Inspection:	08/06/2012
Permit Status:	OPEN
Permit Expiration:	06/30/2013

AUTOMOTIVE FLEET SERVICE INC (Continued) **1000335030**

Facility Owner:	JOHN RICHMOND
Facility Address:	6029 FAIRMOUNT AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	GAINES PLUMBING CO.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 115538 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	115538
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 115538 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	115538
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 115538 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	115538
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00

AUTOMOTIVE FLEET SERVICE INC (Continued) **1000335030**

Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 115538 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	115538
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	115538
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS CLEANER UNIT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115538
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	FROM CARS' OIL CHANGES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115538
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	115538
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	SPENT COOLANT

AUTOMOTIVE FLEET SERVICE INC (Continued) **1000335030**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115538
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115538
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN (COMPRESSED GAS)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 115538
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING: MOTOR OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 115538
Update Date: 11/02/2012
Inspection Date: 08/23/2004
Violation Code: 6HV0204
Violation: WASTE CONTAINER:IMPROPER MGMT
Violation Citation: Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity: ACTIVE

Facility Id: 115538
Update Date: 11/02/2012
Inspection Date: 11/12/2009
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 115538
Update Date: 11/02/2012
Inspection Date: 11/28/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)

AUTOMOTIVE FLEET SERVICE INC (Continued) **1000335030**

Activity:	ACTIVE
Facility Id:	115538
Update Date:	11/02/2012
Inspection Date:	03/27/2003
Violation Code:	6HV0405
Violation:	AISLE SPACE IS OBSTRUCTED
Violation Citation:	An aisle space to allow unobstructed movement of personnel & emergency control equipment is not provided and maintained. CCR 66265.35
Activity:	ACTIVE
Facility Id:	115538
Update Date:	11/02/2012
Inspection Date:	08/23/2004
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Facility Id:	115538
Update Date:	11/02/2012
Inspection Date:	02/24/2006
Violation Code:	6HV0204
Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	ACTIVE
Facility Id:	115538
Update Date:	11/02/2012
Inspection Date:	03/27/2003
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE

HAZNET:

envid:	1000335030
Year:	2009
GEPAID:	CAD981974389
Contact:	JOHN P RICHMOND PRES
Telephone:	7607894534
Mailing Name:	Not reported
Mailing Address:	6029 FAIRMOUNT AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921200000
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.018
Facility County:	San Diego

21 **EDR US Hist Auto Stat** **1015570464**
6029 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name: AUTOMOTIVE FLEET SERVICE INCORPORATED
Year: 1999
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INCORPORATED
Year: 2000
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE
Year: 2001
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE
Year: 2002
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2003
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2004
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2005
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2006
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2007
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2008
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2009
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SVC INC
Year: 2010
Address: 6029 FAIRMOUNT AVE

Name: PHOENIX MOTORSPORTS & FABRICATION
Year: 2011
Address: 6029 FAIRMOUNT AVE

Name: AUTOMOTIVE FLEET SERVICE INC
Year: 2012

(Continued) **1015570464**

Address: 6029 FAIRMOUNT AVE

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21 **SPIDER'S AIRCRAFT ENGINE SERV.** **CA HIST UST** **U001573149**
6037 FAIRMOUNT AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120

HIST UST:

Region:	STATE
Facility ID:	00000035616
Facility Type:	Not reported
Other Type:	STORAGE
Contact Name:	FRANK W. SCHOSSOW JR.
Telephone:	6192765320
Owner Name:	FRANK W. SCHOSSOW JR.
Owner Address:	2933 CHICAGO STREET
Owner City,St,Zip:	SAN DIEGO, CA 92117
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1976
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1976
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	1976
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	4
Year Installed:	1976
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

SWEEPS UST:

Status:	Not reported
Comp Number:	15976

SPIDER'S AIRCRAFT ENGINE SERV. (Continued) **U001573149**

Number: Not reported
Board Of Equalization: 44-022933
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-015976-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 4

Status: Not reported
Comp Number: 15976
Number: Not reported
Board Of Equalization: 44-022933
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-015976-000002
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 15976
Number: Not reported
Board Of Equalization: 44-022933
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-015976-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 15976
Number: Not reported
Board Of Equalization: 44-022933
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

SPIDER'S AIRCRAFT ENGINE SERV. (Continued) **U001573149**

SWRCB Tank Id:	37-000-015976-000004
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

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21 **ONE EARTH RECYCLING** **CA SWRCY** **S103666108**
5980 FAIRMOUNT AVE STE 106 **N/A**
SAN DIEGO, CA 92120

SWRCY:

Reg Id:	137679
Cert Id:	RC137679.001
Mailing Address:	297 S Marshall Ave
Mailing City:	El Cajon
Mailing State:	CA
Mailing Zip Code:	92020
Website:	Not reported
Email:	Not reported
Phone Number:	(866) 506-7070x111
Grand Father:	N
Rural:	N
Operation Begin Date:	01/24/2010
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm-3:00 pm
Tuesday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm-3:00 pm
Wednesday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm-3:00 pm
Thursday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm-3:00 pm
Friday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm-3:00 pm
Saturday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm-3:00 pm
Sunday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm-3:00 pm
Organization ID:	19666
Organization Name:	One Earth Recycling Inc

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21 **VISUAL SERVICES NETWORK** **RCRA-SQG** **1000820522**
5980 FAIRMOUNT AVE STE 106 **FINDS** **CAD983665795**
SAN DIEGO, CA 92120

RCRA-SQG:

Date form received by agency:	04/26/1993
Facility name:	VISUAL SERVICES NETWORK
Facility address:	5980 FAIRMOUNT AVE STE 106 SAN DIEGO, CA 92120
EPA ID:	CAD983665795
Mailing address:	FAIRMOUNT AVE STE 106 SAN DIEGO, CA 92120
Contact:	BART STEIN
Contact address:	5980 FAIRMOUNT AVE STE 106 SAN DIEGO, CA 92120

VISUAL SERVICES NETWORK (Continued) **1000820522**

Contact country: US
Contact telephone: (619) 232-9760
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SAN DIEGO SERENDIPITY INC
Owner/operator address: PO BOX 1373
RAMONA, CA 92065
Owner/operator country: Not reported
Owner/operator telephone: (619) 232-9760
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002897358

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

21 **EDR US Hist Cleaners** **1015078493**
5980 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Cleaners:

Name:	SCOTTS CARPET CLEANING
Year:	2005
Address:	5980 FAIRMOUNT AVE
Name:	SCOTTS CARPET CLEANING
Year:	2006
Address:	5980 FAIRMOUNT AVE
Name:	SCOTTS CARPET CLEANING
Year:	2007
Address:	5980 FAIRMOUNT AVE
Name:	SCOTTS CARPET CLEANING
Year:	2008
Address:	5980 FAIRMOUNT AVE

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21 **ONES PORTABLE WELDING** **CA LUST** **S101301994**
6061 FAIRMOUNT AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2260
Local Case:	H26157-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/23/1992
Date Stopped:	07/23/1992
Confirm Date:	08/04/1992
Submit Workplan:	8/26/92
Prelim Assess:	11/23/1992
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/23/1992
Enforce Date:	Not reported
Closed Date:	4/10/99
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	19’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	File discarded, case closed

ONES PORTABLE WELDING (Continued) **S101301994**

Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 26157
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-026157-000001
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: 1

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21 **JONES PORTABLE WELDING** **CA LUST** **S108407094**
6061 FAIRMOUNT AV **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92120

LUST:
Region: STATE
Global Id: T0607301027
Latitude: 32.783618
Longitude: -117.1014278
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/10/1999
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2260
LOC Case Number: H26157-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301027
Status: Completed - Case Closed
Status Date: 04/10/1999

Global Id: T0607301027
Status: Open - Case Begin Date
Status Date: 07/23/1992

Regulatory Activities:
Global Id: T0607301027

JONES PORTABLE WELDING (Continued) **S108407094**

Action Type: Other
Date: 07/23/1992
Action: Leak Began

Global Id: T0607301027
Action Type: ENFORCEMENT
Date: 03/22/1999
Action: Closure/No Further Action Letter - #H26157-001

Global Id: T0607301027
Action Type: Other
Date: 07/23/1992
Action: Leak Discovery

Global Id: T0607301027
Action Type: Other
Date: 07/23/1992
Action: Leak Stopped

Global Id: T0607301027
Action Type: ENFORCEMENT
Date: 08/26/1992
Action: Notice of Responsibility

Global Id: T0607301027
Action Type: Other
Date: 07/23/1992
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H26157-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/10/1999
Date Began: 7/23/1992

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21 **MISSION GORGE TEXACO SERVICE** **CA HIST CORTESE** **S103666655**
6075 MISSION GORGE RD **CA LUST** **N/A**
SAN DIEGO, CA 92120

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1104

LUST:
Region: STATE
Global Id: T0607300113
Latitude: 32.784422
Longitude: -117.0977506
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/24/2012

MISSION GORGE TEXACO SERVICE (Continued) **S103666655**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	EB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT1104
LOC Case Number:	H13025-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Hydrocarbon contamination was discovered in soil samples from borings drilled as part of an initial site assessment conducted in August 1988. Total petroleum hydrocarbons as gasoline (TPHg) and total recoverable petroleum hydrocarbons (TRPH) impacted soil (>100 mg/kg) was discovered in the northern portion of the site in association with the former waste oil tanks and west of the former gasoline tanks at the southern portion of the site. 464 tons of impacted soil were removed during tank removal activities in 1992 and disposed off-site. The consultant estimated that 174 cubic yards of contaminated soil remains on-site at depths of 10 to 18 feet below ground surface. . Four underground storage tanks were removed from the site in July of 1992. In August 1992, the site was razed and the property was redeveloped. An auto dealership currently occupies the site. There are currently ten monitoring wells associated with the site. One well (MW12) installed off-site, originally belonged to Atlantic Richfield Company site at 6110 Mission Gorge Road, and one well, MW4, was destroyed because it was dry. Groundwater monitoring has been conducted since February 1993. Free product was detected in well MW2 in 1993 and in well MW5 in 1993 and 1994. Free product has not been detected in any well since 1994. In March 2011, the maximum concentration of benzene detected was 180 ug/l in well MW2, and total petroleum hydrocarbons as gasoline at 10,000 ug/l in well MW7. The maximum TBA was detected in well MW2 at 4 ug/l and MTBE was detected at an estimated concentration of 4 ug/l (MW2). Ethyl benzene was detected at 990 ug/l in well MW2. Well MW2 is located at the western property boundary and well MW7 is located off-site to the west, on the west side of Mission Gorge Road. The consultant stated that it was unlikely that the contamination would migrate along utility line given the depth to water has ranged from approximately 14.27 to 21.25 feet below ground surface which is below the depth of most utilities. The potential risk for vapor intrusion to the onsite building was evaluated using groundwater data from the nearest well, MW1. The maximum concentrations of benzene, ethyl benzene and MTBE detected in groundwater from MW1 were used in the SAM Vapor risk model. The potential risk of vapor intrusion off-site was evaluated using groundwater data from the nearest well, MW9. Benzene and ethyl benzene concentrations were used in the SAM Vapor risk model to determine if a full-scale human health vapor risk assessment was warranted. The results indicated that the excess cancer risk from vapor intrusion from groundwater was less than 1 x 10-6; both on and off-site, therefore the consultant concluded that a soil vapor survey and further health risk assessments were not warranted. The concentrations of benzene, ethyl benzene, MTBE and TBA in groundwater are limited in extent and show decreasing trends. The plume does not extend to down-gradient wells MW10 through MW12. MTBE and TBA concentrations have been below the maximum contaminant level (MCL) and State action limit (AL), respectively, with the exception of well MW2, for the past several sampling events. According to the consultant, there are five potential public/private supply wells

MISSION GORGE TEXACO SERVICE (Continued) **S103666655**

within a half-mile radius of the site that do not have complete exposure pathways. The consultant stated that the City of San Diego that serves this area does not currently have supply wells in the area and does have plans to install water production wells in the Mission Valley area in the future. The City of San Diego indicated that it intended to wait until the remediation of the contamination at the Mission Valley tank farm was completed prior to groundwater development. Due to the proximity of the location of the Mission Valley tank farm and the time it will take for remediation of that plume the consultant concluded it is likely that the groundwater ingestion pathway will remain anincomplete pathway. Trend analyses indicate that benzene concentrations in groundwater should naturally attenuate to the maximum contaminant level (MCL) of 1 ug/l in approximately 28 years and ethyl benzene to 300 ug/l in approximately 24 years. The consultant recommends no further action for the site and destruction of the monitoring wells. DEH concurs with this recommendation.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300113
Contact Type:	Local Agency Caseworker
Contact Name:	Ellen Beacon
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ellen.beacon@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607300113
Status:	Completed - Case Closed
Status Date:	04/24/2012
Global Id:	T0607300113
Status:	Open - Case Begin Date
Status Date:	09/30/1988
Global Id:	T0607300113
Status:	Open - Remediation
Status Date:	11/06/1991

Regulatory Activities:

Global Id:	T0607300113
Action Type:	Other
Date:	09/30/1988
Action:	Leak Began
Global Id:	T0607300113
Action Type:	ENFORCEMENT
Date:	04/12/2011
Action:	Notification - Public Notice of ROD/RAP/CAP
Global Id:	T0607300113
Action Type:	RESPONSE
Date:	04/30/2011

MISSION GORGE TEXACO SERVICE (Continued) **S103666655**

Action: Monitoring Report - Semi-Annually

Global Id: T0607300113
Action Type: Other
Date: 09/30/1988
Action: Leak Discovery

Global Id: T0607300113
Action Type: REMEDIATION
Date: 07/29/1992
Action: Excavation

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 08/03/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 12/13/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300113
Action Type: Other
Date: 09/30/1988
Action: Leak Stopped

Global Id: T0607300113
Action Type: RESPONSE
Date: 08/02/2011
Action: Correspondence

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 04/24/2012
Action: Closure/No Further Action Letter

Global Id: T0607300113
Action Type: RESPONSE
Date: 08/15/2012
Action: Well Destruction Report

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 12/01/1988
Action: Notice of Responsibility

Global Id: T0607300113
Action Type: Other
Date: 09/30/1988
Action: Leak Reported

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 02/23/2012
Action: LOP Case Closure Summary to RB

MISSION GORGE TEXACO SERVICE (Continued) **S103666655**

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 06/30/2009
Action: Notification - Fee Title Owners Notice

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Letter - Notice

Global Id: T0607300113
Action Type: ENFORCEMENT
Date: 07/31/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300113
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607300113
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607300113
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300113
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607300113
Action Type: RESPONSE
Date: 03/28/2011
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0607300113
Action Type: RESPONSE
Date: 04/18/2011
Action: Correspondence - Regulator Responded

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21 **MISSION GORGE TEXACO SERVICE** **CA LUST** **S101308198**
6075 MISSION GORGE RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT1104
Local Case: H13025-001
Substance: Gasoline
Qty Leaked: Not reported

MISSION GORGE TEXACO SERVICE (Continued) **S101308198**

Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	09/30/1988
Date Stopped:	09/30/1988
Confirm Date:	09/30/1988
Submit Workplan:	Not reported
Prelim Assess:	09/30/1988
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	7/29/92
Began Monitor:	Not reported
Release Date:	11/14/1988
Enforce Date:	12/1/88
Closed Date:	Not reported
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	Not reported
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	1C
File Dispn:	Not reported
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	13025
Number:	9
Board Of Equalization:	44-022688
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013025-000001
Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	13025
Number:	9
Board Of Equalization:	44-022688
Referral Date:	Not reported
Action Date:	06-26-92

MISSION GORGE TEXACO SERVICE (Continued) **S101308198**

Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013025-000002
Tank Status: A
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13025
Number: 9
Board Of Equalization: 44-022688
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013025-000003
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13025
Number: 9
Board Of Equalization: 44-022688
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013025-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 113025
Business Type: Not reported
EPA Id Number: Not reported
APN: 461-200-01-01
Last HMMD Inspection: 03/12/1992
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: BILL D THACKER
Facility Address: PO BOX 12129
Facility City: EL CAJON
Facility State: CA

MISSION GORGE TEXACO SERVICE (Continued) **S101308198**

Facility Zip:	92022-2129
UST Owner:	BILL D THACKER
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113025 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113025
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	4000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1992-07-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113025 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113025
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-07-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113025 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113025
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-07-29 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05

MISSION GORGE TEXACO SERVICE (Continued) **S101308198**

UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113025 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 113025
Tank Type: SINGLE WALL
Additional Id: 4
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1992-07-29 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SAN DIEGO CO. SAM:
Case Number: H13025-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 11/6/1991
Date Began: 9/30/1988

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21 **H G FENTON MATERIALS** **CA SLIC** **S104750822**
10957 SAN DIEGO MISSION RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108 **CA SAN DIEGO CO. SAM**

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/03/1992
Global Id: T0608126522
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H25927-001
Latitude: 32.784831
Longitude: -117.102691
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 125927
Business Type: Not reported

H G FENTON MATERIALS (Continued) **S104750822**

EPA Id Number:	Not reported
APN:	461-150-23-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	H G FENTON MATERIALS
Facility Address:	10957 SAN DIEGO MISSON RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-2431
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H25927-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	6/3/1992
Date Began:	Not reported

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21 **DEEP STEAM CARPET CLEANERS** **EDR US Hist Cleaners** **1009128657**
4401 TWAIN AVE **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	DEEP STEAM CARPET CLEANERS
Year:	1970
Type:	CARPET AND RUG CLEANERS

---

21 **EDR US Hist Auto Stat** **1015494669**
4349 TWAIN AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	A WAY COLLISION CENTER
Year:	2006
Address:	4349 TWAIN AVE
Name:	A WAY COLLISION CENTER
Year:	2007
Address:	4349 TWAIN AVE
Name:	A WAY COLLISION CENTER
Year:	2008
Address:	4349 TWAIN AVE
Name:	A WAY COLLISION CENTER
Year:	2009
Address:	4349 TWAIN AVE

(Continued) **1015494669**

Name: AWAY COLLISION CTR
Year: 2010
Address: 4349 TWAIN AVE

Name: AWAY COLLISION CENTER
Year: 2011
Address: 4349 TWAIN AVE

Name: AWAY COLLISION CENTER
Year: 2012
Address: 4349 TWAIN AVE

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21 **EDR US Hist Auto Stat** **1015494644**

4347 TWAIN AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name: PRO TECHNOLOGY AUTOMOTIVE
Year: 1999
Address: 4347 TWAIN AVE

Name: PRO TECHNOLOGY AUTOMOTIVE
Year: 2000
Address: 4347 TWAIN AVE

Name: MISSION VALLEY AUTO REPAIR
Year: 2001
Address: 4347 TWAIN AVE

Name: MISSION VALLEY AUTO REPAIR
Year: 2002
Address: 4347 TWAIN AVE

Name: MISSION VALLEY AUTO REPAIR
Year: 2003
Address: 4347 TWAIN AVE

Name: MISSION VALLEY AUTO REPAIR
Year: 2005
Address: 4347 TWAIN AVE

Name: MIKES FOREIGN AUTO SERVICE
Year: 2007
Address: 4347 TWAIN AVE

Name: MIKES FOREIGN AUTO SERVICE
Year: 2008
Address: 4347 TWAIN AVE

Name: MIKES FOREIGN AUTO SERVICE
Year: 2009
Address: 4347 TWAIN AVE

Name: MIKES FOREIGN AUTO SVC
Year: 2010
Address: 4347 TWAIN AVE

Name: MIKES FOREIGN AUTO SERVICE

(Continued) **1015494644**

Year: 2011
Address: 4347 TWAIN AVE

Name: MIKES FOREIGN AUTO SERVICE
Year: 2012
Address: 4347 TWAIN AVE

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21 **EDR US Hist Auto Stat** **1015494597**

4345 TWAIN AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name: GMC AUTO REPAIR
Year: 2001
Address: 4345 TWAIN AVE

Name: BAJA COLLISION REPAIR
Year: 2002
Address: 4345 TWAIN AVE

Name: IN & OUT TRANSMISSIONS
Year: 2003
Address: 4345 TWAIN AVE

Name: BAJA COLLISION
Year: 2004
Address: 4345 TWAIN AVE

Name: ALL CALIFORNIA ENGINE
Year: 2005
Address: 4345 TWAIN AVE

Name: ALL CAL ENGINE SALES & EXCHANGE
Year: 2006
Address: 4345 TWAIN AVE

Name: ALL CAL ENGINE SALES & EXCHANGE
Year: 2007
Address: 4345 TWAIN AVE

Name: MASTERCARE AUTOMOTIVE
Year: 2008
Address: 4345 TWAIN AVE

Name: MASTER CARE AUTOMOTIVE
Year: 2009
Address: 4345 TWAIN AVE

Name: MADISON AUTO REPAIR
Year: 2010
Address: 4345 TWAIN AVE

Name: MASTER CARE AUTOMOTIVE
Year: 2011
Address: 4345 TWAIN AVE

Name: MADISON AUTO REPAIR
Year: 2012

(Continued) **1015494597**

Address: 4345 TWAIN AVE

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21 **RADIATOR SHOP** **RCRA-SQG** **1000246152**
4343 TWAIN AVE **FINDS** **CAD982418022**
SAN DIEGO, CA 92120 **CA HAZNET**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	RADIATOR SHOP
Facility address:	4343 TWAIN AVE SAN DIEGO, CA 92120
EPA ID:	CAD982418022
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	HATEF BOGZARAN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

RADIATOR SHOP (Continued) **1000246152**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/11/1988
Site name: RADIATOR SHOP
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002809462

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
envid: 1000246152
Year: 1998
GEPAID: CAD982418022
Contact: BOGZARAN-HATEF
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 4428 GLACIER AVE
Mailing City,St,Zip: SAN DIEGO, CA 921200000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .1250
Facility County: San Diego

envid: 1000246152
Year: 1997
GEPAID: CAD982418022
Contact: BOGZARAN-HATEF
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 4428 GLACIER AVE
Mailing City,St,Zip: SAN DIEGO, CA 921200000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station

RADIATOR SHOP (Continued) **1000246152**

Tons:	.1100
Facility County:	San Diego
envid:	1000246152
Year:	1996
GEPAID:	CAD982418022
Contact:	BOGZARAN-HATEF
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	4428 GLACIER AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921200000
Gen County:	Not reported
TSD EPA ID:	AZD049318009
TSD County:	Not reported
Waste Category:	Invalid waste code
Disposal Method:	Transfer Station
Tons:	.0250
Facility County:	San Diego
envid:	1000246152
Year:	1995
GEPAID:	CAD982418022
Contact:	BOGZARAN-HATEF
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	4428 GLACIER AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921200000
Gen County:	Not reported
TSD EPA ID:	CAT080010101
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	.0050
Facility County:	San Diego
envid:	1000246152
Year:	1994
GEPAID:	CAD982418022
Contact:	BOGZARAN-HATEF
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	4428 GLACIER AVE
Mailing City,St,Zip:	SAN DIEGO, CA 921200000
Gen County:	Not reported
TSD EPA ID:	CAT080010101
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Transfer Station
Tons:	.0258
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

21 | **EDR US Hist Auto Stat** | **1015494526** | **N/A**

4343 TWAIN AVE
SAN DIEGO, CA 92120

EDR Historical Auto Stations:

Name:	BAJA COLLISION REPAIR
Year:	1999
Address:	4343 TWAIN AVE
Name:	RADIATOR SHOP
Year:	2002
Address:	4343 TWAIN AVE
Name:	JACKS AUTOMOTIVE
Year:	2003
Address:	4343 TWAIN AVE
Name:	JACKS AUTOMOTIVE
Year:	2004
Address:	4343 TWAIN AVE

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21 **AES** | **RCRA-SQG** | **1001122786**
4364 TWAIN ST STE 3 | **FINDS** | **CAR000016220**
SAN DIEGO, CA 92120 | **CA HAZNET**

RCRA-SQG:

Date form received by agency:	11/06/1996
Facility name:	AES
Facility address:	4364 TWAIN ST STE 3 SAN DIEGO, CA 92120
EPA ID:	CAR000016220
Mailing address:	TWAIN ST STE 3 SAN DIEGO, CA 92120
Contact:	JOHN MATHESON
Contact address:	4364 TWAIN ST STE 3 SAN DIEGO, CA 92120
Contact country:	US
Contact telephone:	(619) 282-3207
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ALESSIO LEASING CO
Owner/operator address:	9631 GROSSMONT BLVD LA MEAS, CA 92044
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 697-9545
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

AES (Continued) **1001122786**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002914883

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZNET:
envid: 1001122786
Year: 2000
GEPAID: CAR000016220
Contact: ALESSIO LEASING CO
Telephone: 6192823207
Mailing Name: Not reported
Mailing Address: 4364 TWAIN AVE STE 3
Mailing City,St,Zip: SAN DIEGO, CA 921203404
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.15
Facility County: San Diego

envid: 1001122786
Year: 1999
GEPAID: CAR000016220
Contact: J R AND M M MATHESON
Telephone: 6192823207
Mailing Name: Not reported
Mailing Address: 4364 TWAIN AVE STE 3
Mailing City,St,Zip: SAN DIEGO, CA 921203404

AES (Continued) **1001122786**

Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .1666
Facility County: San Diego

envid: 1001122786
Year: 1998
GEPAID: CAR000016220
Contact: J R AND M M MATHESON
Telephone: 6192823207
Mailing Name: Not reported
Mailing Address: 4364 TWAIN AVE STE 3
Mailing City,St,Zip: SAN DIEGO, CA 921203404
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Transfer Station
Tons: .2542
Facility County: San Diego

envid: 1001122786
Year: 1998
GEPAID: CAR000016220
Contact: J R AND M M MATHESON
Telephone: 6192823207
Mailing Name: Not reported
Mailing Address: 4364 TWAIN AVE STE 3
Mailing City,St,Zip: SAN DIEGO, CA 921203404
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .1208
Facility County: San Diego

envid: 1001122786
Year: 1998
GEPAID: CAR000016220
Contact: J R AND M M MATHESON
Telephone: 6192823207
Mailing Name: Not reported
Mailing Address: 4364 TWAIN AVE STE 3
Mailing City,St,Zip: SAN DIEGO, CA 921203404
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .2293
Facility County: San Diego

AES (Continued) **1001122786**

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

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21 **EDR US Hist Auto Stat** **1015495440**
4364 TWAIN AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: BIG LOBOS AUTO RESTORATION
Year: 2011
Address: 4364 TWAIN AVE

Name: BIG LOBOS AUTO RESTORATION
Year: 2012
Address: 4364 TWAIN AVE

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21 **EDR US Hist Auto Stat** **1015495059**
4354 TWAIN AVE **N/A**
SAN DIEGO, CA 92120

EDR Historical Auto Stations:
Name: AUTOMOTIVE REBUILD EXCHANGE
Year: 2003
Address: 4354 TWAIN AVE

Name: BRAKE STOP
Year: 2010
Address: 4354 TWAIN AVE

Name: BRAKE STOP
Year: 2011
Address: 4354 TWAIN AVE

Name: BRAKE STOP
Year: 2012
Address: 4354 TWAIN AVE

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21 **FORMER ARCO** **CA HIST CORTESE** **S100470911**
6110 MISSION GORGE RD. **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA SLIC**
CA ENVIROSTOR

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1872

LUST:
Region: STATE
Global Id: T0607300655
Latitude: 32.785377
Longitude: -117.0979656
Case Type: LUST Cleanup Site

FORMER ARCO (Continued) **S100470911**

Status:	Completed - Case Closed
Status Date:	09/08/2005
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1872
LOC Case Number:	H05115-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300655
Status:	Completed - Case Closed
Status Date:	09/08/2005
Global Id:	T0607300655
Status:	Open - Case Begin Date
Status Date:	10/01/1990

Regulatory Activities:

Global Id:	T0607300655
Action Type:	Other
Date:	10/02/1990
Action:	Leak Began
Global Id:	T0607300655
Action Type:	Other
Date:	10/02/1990
Action:	Leak Discovery
Global Id:	T0607300655
Action Type:	ENFORCEMENT
Date:	10/04/1990
Action:	Notice of Responsibility
Global Id:	T0607300655
Action Type:	Other
Date:	10/01/1990
Action:	Leak Reported

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	02/08/2010
Global Id:	T10000001809
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05115-002
Latitude:	32.785296
Longitude:	-117.098108
Case Type:	Cleanup Program Site
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP

FORMER ARCO (Continued) **S100470911**

RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Gasoline
Site History: This is a former UST case (H05115-002) which was closed on September 6, 2005. The gasoline station has been demolished and the property owner wishes to redevelop the site. Redevelopment activities will be managed under this case. An updated site conceptual model is being prepared to evaluate the existing condition of the property.

Click here to access the California GeoTracker records for this facility:

ENVIROSTOR:
Facility ID: 60001297
Status: Refer: 1248 Local Agency
Status Date: 01/13/2010
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 78
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: 461-220-30-00
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 461-220-30-00
Alias Type: APN
Alias Name: 60001297
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 01/13/2010
Comments: An SB 1248 Notification received from the County of San Diego wants to be sure that the property is okay for the owner to develop or lease it for mixed residential/commercial use with a subterranean parking garage. The property owner is looking for reassurance that there are no restrictions on the future property uses, as proposed.

Future Area Name: Not reported
Future Sub Area Name: Not reported

FORMER ARCO (Continued) **S100470911**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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21 **ARCO #1790** **CA LUST** **S104735572**
6110 MISSION GORGE RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA EMI**
CA SAN DIEGO CO. SAM

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT1872
Local Case: H05115-001
Substance: Waste Oil
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 09/25/1990
Date Stopped: 09/25/1990
Confirm Date: 10/01/1990
Submit Workplan: Not reported
Prelim Assess: 10/02/1990
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/04/1990
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: 96-41
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 105115
Business Type: 6HK28
EPA Id Number: CAL000249965

ARCO #1790 (Continued) **S104735572**

APN:	461-220-30-00
Last HMMD Inspection:	08/13/2008
Permit Status:	INAC
Permit Expiration:	01/31/2010
Facility Owner:	BP WEST COAST PRODUCTS LLC
Facility Address:	PO BOX 6038
Facility City:	ARTESIA
Facility State:	CA
Facility Zip:	90702-
UST Owner:	BP WEST COAST PRODUCTS LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105115 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105115
Tank Type:	SINGLE WALL
Additional Id:	NT2253,
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2000-11-15 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	03
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/POS SHUTOFF LLD: SIR ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 105115 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105115
Tank Type:	SINGLE WALL
Additional Id:	NT2253
Capacity Gallons:	12000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2000-11-15 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	03
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/POS SHUTOFF LLD: SIR ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 105115 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	105115
Tank Type:	SINGLE WALL
Additional Id:	NT2253 UNLEADED
Capacity Gallons:	12000

ARCO #1790 (Continued) **S104735572**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2000-11-15 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	03
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/POS SHUTOFF LLD: SIR ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 105115 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	105115
Tank Type:	SINGLE WALL
Additional Id:	AT 0679
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-14 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 105115 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105115
Tank Type:	DOUBLE WALL
Additional Id:	NT2253, RT3320, RT3802, RT4117, RT4461/AT5409
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2009-05-22 00:00:00
Year Installed:	2000-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 105115 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	105115
Tank Type:	DOUBLE WALL
Additional Id:	NT2253,RT3320, RT4117, RT4461/AT5409
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2009-05-22 00:00:00
Year Installed:	2000-01-01 00:00:00
Pipe Type:	DOUBLE WALL

ARCO #1790 (Continued) **S104735572**

Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Violations Inactive Permits:
Facility Id: 105115
Update Date: 11/02/2012
Inspection Date: 08/29/2005
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: Inactive Permit

Facility Id: 105115
Update Date: 11/02/2012
Inspection Date: 08/29/2005
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: Inactive Permit

Facility Id: 105115
Update Date: 11/02/2012
Inspection Date: 07/01/2003
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: Inactive Permit

EMI:
Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 3769
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2001
County Code: 37
Air Basin: SD

ARCO #1790 (Continued) **S104735572**

Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

ARCO #1790 (Continued) **S104735572**

Total Organic Hydrocarbon Gases Tons/Yr:	2.5040414
Reactive Organic Gases Tons/Yr:	2.5040414
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.5040414
Reactive Organic Gases Tons/Yr:	2.5040414
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.2
Reactive Organic Gases Tons/Yr:	3.2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.2
Reactive Organic Gases Tons/Yr:	3.2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

ARCO #1790 (Continued) **S104735572**

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2008
County Code: 37
Air Basin: SD
Facility ID: 3769
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.2
Reactive Organic Gases Tons/Yr: 3.2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2009
County Code: 37
Air Basin: SD
Facility ID: 3769
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.2000000000000002
Reactive Organic Gases Tons/Yr: 3.2000000000000002
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2010
County Code: 37
Air Basin: SD
Facility ID: 3769
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3.2000000000000002
Reactive Organic Gases Tons/Yr: 3.2000000000000002
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2011
County Code: 37
Air Basin: SD
Facility ID: 3769

ARCO #1790 (Continued) **S104735572**

Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.2
Reactive Organic Gases Tons/Yr:	3.2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	3769
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.2
Reactive Organic Gases Tons/Yr:	3.2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H05115-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	9/8/2005
Date Began:	10/2/1990

Case Number:	H05115-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Remedial Investigation
Date:	1/1/2010
Date Began:	Not reported

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21 **MERRILL LA FRANCE** **CA LUST** **S102433864**
6101 MISSION GORGE RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT679
Local Case:	H13024-001
Substance:	Gasoline

MERRILL LA FRANCE (Continued) **S102433864**

Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Inventory Control
How Stopped: Repair Piping
Source: Piping
Cause: Other Cause
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 03/06/1987
Date Stopped: 03/06/1987
Confirm Date: 03/09/1987
Submit Workplan: Not reported
Prelim Assess: 03/25/1987
Desc Pollution: Not reported
Remed Plan: 10/14/1987
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/06/1987
Enforce Date: 3/9/87
Closed Date: 8/11/93
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 15FT
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 13024
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013024-000005
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 13024
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported

MERRILL LA FRANCE (Continued) **S102433864**

Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013024-000006
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13024
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013024-000007
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13024
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013024-000008
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13024
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013024-000001
Tank Status:	Not reported
Capacity:	10000

MERRILL LA FRANCE (Continued) **S102433864**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	13024
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013024-000002
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13024
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013024-000003
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13024
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013024-000004
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

21 **HOUSE OF CARS** **CA HIST CORTESE** **S100728997**
6101 MISSION GORGE RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT679

LUST:

Region:	STATE
Global Id:	T0607302947
Latitude:	32.785282
Longitude:	-117.097415
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/11/1993
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT679
LOC Case Number:	H13024-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302947
Status:	Completed - Case Closed
Status Date:	08/11/1993
Global Id:	T0607302947
Status:	Open - Case Begin Date
Status Date:	03/09/1987

Regulatory Activities:

Global Id:	T0607302947
Action Type:	Other
Date:	03/09/1987
Action:	Leak Began
Global Id:	T0607302947
Action Type:	Other
Date:	03/09/1987
Action:	Leak Discovery
Global Id:	T0607302947
Action Type:	Other
Date:	03/09/1987
Action:	Leak Stopped
Global Id:	T0607302947
Action Type:	ENFORCEMENT
Date:	03/09/1987

HOUSE OF CARS (Continued) **S100728997**

Action: Notice of Responsibility

Global Id: T0607302947
Action Type: Other
Date: 03/09/1987
Action: Leak Reported

SAN DIEGO CO. HMMD:
Facility Id: 113024
Business Type: 6HK18
EPA Id Number: Not reported
APN: 461-030-40-00
Last HMMD Inspection: 11/01/2000
Permit Status: INAC
Permit Expiration: 01/31/2003
Facility Owner: MICHAEL HADIAYAT
Facility Address: 6101 MISSION GORGE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120-3401
UST Owner: MOBIL OIL CORP
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113024 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113024
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-09-11 00:00:00
Year Installed: 1970-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 10
UST Monitor Method: SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name: UNDERGROUND TANK 113024 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113024
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 8000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-09-11 00:00:00

HOUSE OF CARS (Continued) **S100728997**

Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 113024 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113024
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-09-11 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 113024 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113024
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-09-11 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113024 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113024
Tank Type:	DOUBLE WALL
Additional Id:	5
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-06-29 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	26
UST Monitor Method:	EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

HOUSE OF CARS (Continued) **S100728997**

UST Name:	UNDERGROUND TANK 113024 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113024
Tank Type:	DOUBLE WALL
Additional Id:	6
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-06-29 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	26
UST Monitor Method:	EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

UST Name:	UNDERGROUND TANK 113024 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	113024
Tank Type:	DOUBLE WALL
Additional Id:	7
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-06-29 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	26
UST Monitor Method:	EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

UST Name:	UNDERGROUND TANK 113024 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	113024
Tank Type:	DOUBLE WALL
Additional Id:	8
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1994-06-29 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	26
UST Monitor Method:	EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

SAN DIEGO CO. SAM:

Case Number:	H13024-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/11/1993
Date Began:	3/9/1987

22 **EDR US Hist Auto Stat** **1015365689**
2520 NORTHSIDE DR **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	GREENS AUTOMOTIVE SERVICES
Year:	2005
Address:	2520 NORTHSIDE DR

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22 **CA CHMIRS** **S107449443**
2555 NORTHSIDE DR **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	04-5253
OES notification:	10/10/2004
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	City of San Diego
Incident Date:	10/10/200412:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes

(Continued) **S107449443**

Site Type:	Other
E Date:	Not reported
Substance:	Sewage
Gallons:	215
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Debris from construction site caused the overflow. 205 gallons of the spill was recovered.

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23 **CHEVRON SERVICE STATION** **CA HIST CORTESE** **S100233143**
4525 WARING RD **CA LUST** **N/A**
SAN DIEGO, CA 92120 **CA SLIC**
CA SWEEPS UST
CA San Diego Co. HMMD
CA ENVIROSTOR

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT94

LUST:

Region:	STATE
Global Id:	T0607303175
Latitude:	32.7828792
Longitude:	-117.0867967
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/13/1998
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT94
LOC Case Number:	H12229-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607303175

CHEVRON SERVICE STATION (Continued) **S100233143**

Status: Completed - Case Closed
Status Date: 03/13/1998

Global Id: T0607303175
Status: Open - Case Begin Date
Status Date: 08/03/1988

Regulatory Activities:
Global Id: T0607303175
Action Type: ENFORCEMENT
Date: 03/13/1998
Action: Closure/No Further Action Letter

Global Id: T0607303175
Action Type: ENFORCEMENT
Date: 08/05/1988
Action: Notice of Responsibility

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT94
Local Case: H12229-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Vapor Extraction
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 08/03/1988
Date Stopped: 07/27/1988
Confirm Date: 08/03/1988
Submit Workplan: Not reported
Prelim Assess: 11/02/1984
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: 9/17/97
Release Date: 10/15/1984
Enforce Date: 8/5/88
Closed Date: 3/13/98
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 11FT
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 3B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported

CHEVRON SERVICE STATION (Continued) **S100233143**

Waste Discharge Requirement Number: Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/04/2004
Global Id:	T06019790653
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12229-003
Latitude:	32.782473
Longitude:	-117.086546
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/24/1998
Global Id:	T0608169571
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12229-002
Latitude:	32.782473
Longitude:	-117.086546
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Active
Comp Number:	12229
Number:	9
Board Of Equalization:	44-022534
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported

CHEVRON SERVICE STATION (Continued) **S100233143**

Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12229
Number: Not reported
Board Of Equalization: 44-022534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012229-000001
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 12229
Number: Not reported
Board Of Equalization: 44-022534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012229-000002
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12229
Number: Not reported
Board Of Equalization: 44-022534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012229-000003
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12229
Number: Not reported

CHEVRON SERVICE STATION (Continued) **S100233143**

Board Of Equalization: 44-022534
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012229-000004
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 112229
Business Type: Not reported
EPA Id Number: CAD981388721
APN: 462-440-09-00
Last HMMD Inspection: 07/17/1987
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: DENNIS L SWANSON
Facility Address: 4525 WARING RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120-4228
UST Owner: CHEVRON USA INC
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112229 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112229
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1988-07-27 00:00:00
Year Installed: 1967-01-01 00:00:00
Pipe Type: LINED TRENCH
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112229 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112229
Tank Type: SINGLE WALL

CHEVRON SERVICE STATION (Continued) **S100233143**

Additional Id:	2
Capacity Gallons:	5000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-07-27 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112229 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112229
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	5000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-07-27 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112229 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112229
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-07-27 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

ENVIROSTOR:

Facility ID:	37550002
Status:	Refer: 1248 Local Agency
Status Date:	08/19/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO

CHEVRON SERVICE STATION (Continued) **S100233143**

Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.78245
Longitude: -117.0864
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: FORMER CHEVRON
Alias Type: Alternate Name
Alias Name: 37550002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

---

24 **ANDY CRABTREE** **CA HAZNET** **S112989586**
10797 SAN DIEGO MISSION RD UNIT 205 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112989586
Year: 2011
GEPAID: CAC002670999
Contact: ANDY CRABTREE
Telephone: 6199424221
Mailing Name: Not reported
Mailing Address: 10797 SAN DIEGO MISSION RD UNIT 205
Mailing City,St,Zip: SAN DIEGO, CA 921082403
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

ANDY CRABTREE (Continued) **S112989586**

Include On-Site Treatment And/Or Stabilization)
Tons: 0.8
Facility County: San Diego

envid: S112989586
Year: 2011
GEPAID: CAC002670999
Contact: ANDY CRABTREE
Telephone: 6199424221
Mailing Name: Not reported
Mailing Address: 10797 SAN DIEGO MISSION RD UNIT 205
Mailing City,St,Zip: SAN DIEGO, CA 921082403
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.8
Facility County: San Diego

---

24 **CHERYL HUGULEY** **CA HAZNET** **S112989895**
10797 SAN DIEGO MISSION RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112989895
Year: 2011
GEPAID: CAC002671399
Contact: CHERYL HUGULEY
Telephone: 6199915101
Mailing Name: Not reported
Mailing Address: 10797 SAN DIEGO MISSION RD
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

---

24 **MAUREEN ONEILL** **CA HAZNET** **S112994292**
10797 SAN DIEGO MISSION RD UNIT 302 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112994292
Year: 2011
GEPAID: CAC002677044
Contact: MAUREEN ONEILL
Telephone: 6195639888
Mailing Name: Not reported
Mailing Address: 10797 SAN DIEGO MISSION RD UNIT 302
Mailing City,St,Zip: SAN DIEGO, CA 92108

MAUREEN ONEILL (Continued) **S112994292**

Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2
Facility County:	San Diego
envid:	S112994292
Year:	2011
GEPAID:	CAC002677044
Contact:	MAUREEN ONEILL
Telephone:	6195639888
Mailing Name:	Not reported
Mailing Address:	10797 SAN DIEGO MISSION RD UNIT 302
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2
Facility County:	San Diego

---

24 **MISSION BASILICA SAN DIEGO DE ALCALA** **CA CHMIRS** **S108402311**
10818 SAN DIEGO MISSION RD. **CA HAZNET** **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	05-1830
OES notification:	03/23/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

MISSION BASILICA SAN DIEGO DE ALCALA (Continued) **S108402311**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	City of San Diego
Incident Date:	3/23/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Sewage
Gallons:	35
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Roots in the private main caused the release.

HAZNET:

envid:	S108402311
Year:	2013
GEPAID:	CAC002721605
Contact:	RICHARD F. DUNCANSON
Telephone:	6192837319
Mailing Name:	Not reported
Mailing Address:	10818 SAN DIEGO MISSION RD.
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8

MISSION BASILICA SAN DIEGO DE ALCALA (Continued) **S108402311**

Facility County: Not reported

envid: S108402311
Year: 2013
GEPAID: CAC002721605
Contact: RICHARD F. DUNCANSON
Telephone: 6192837319
Mailing Name: Not reported
Mailing Address: 10818 SAN DIEGO MISSION RD.
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: San Diego
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.125
Facility County: Not reported

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25 **QUALCOMM STADIUM PARKING LOT NORTHEAST** **CA SLIC** **S108224233**
9449 FRIARS ROAD **N/A**
SAN DIEGO, CA 92108

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/11/2014
Global Id: T10000004719
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: DEH2013-LSAM-000173
Latitude: 32.7857772620997
Longitude: -117.116467952728
Case Type: Cleanup Program Site
Case Worker: CH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Alcohols, Gasoline
Site History: On April 25, 2013, DEH received an application for the Voluntary Assistance Program for oversight of investigation of an ethanol spill in the parking lot of Qualcomm Stadium. On April 7, 2013, a tanker containing approximately 8,000 gallons of ethanol with trace (1-5%) gasoline overturned at the intersection of San Diego Mission Road and Mission Village Drive. The spilled ethanol flowed into two areas of the Qualcomm Stadium parking lot, northeast along San Diego Mission Road across from Murphy Canyon Road (area B), and southwest along Mission Village Drive (area A). Approximately 2,000 gallons of ethanol was pumped out of the tanker and approximately 2,500 gallons of ethanol was recovered from puddles in the Qualcomm Stadium parking lot. The remaining approximately 3,500 gallons of ethanol either evaporated, penetrated the surface of the parking lot, and/or entered the storm drain system in area A. On April 10, 2013, two soil samples were collected at 0.5 feet below ground surface (bgs) from each spill area. Ethanol was detected in all four soil samples at a maximum concentration of 7,800 milligrams per kilogram in area A. Additional soil sampling was completed adjacent to the previous soil sampling locations in each area on September 24, 2013. Ethanol was not

QUALCOMM STADIUM PARKING LOT NORTHEAST (Continued) **S108224233**

detected in the area B samples, collected at 0.5 and 1 foot bgs. Ethanol was detected in one of the soil samples from area A, at 63 mg/kg at 0.5 feet bgs and at 36 mg/kg at 1 foot bgs. Ethanol was not detected in this location at 5 feet bgs. The consultant used this data to calculate the half-life of ethanol at the site, which ranged from 13 to 24 days. The consultant concludes that the shallow ethanol impacts to soil at the site are degrading rapidly. On September 24, 2013, soil sampling was also completed adjacent to observed or suspected breaches in the affected portions of the storm drain and in five storm drain catch basins. A total of 18 samples, collected at depths of 4 and 8 feet bgs, were analyzed, and ethanol was not detected in any of the samples. The consultant concludes that there is no evidence of ethanol releases to the subsurface via the storm drain. The ethanol spill occurred in the vicinity of a petroleum release from Kinder Morgan, the Mission Valley Terminal case, which is overseen by the Regional Water Quality Control Board. There are numerous groundwater monitoring wells associated with this case that are installed in the Qualcomm Stadium parking lot. The results of groundwater monitoring indicated that ethanol was detected in one well, R-44AM, at a concentration of 79 micrograms per liter (ug/l) on May 7, 2013. The flow of spilled ethanol passed within approximately 50 feet of well R-44AM. Ethanol was not detected in this well when it was sampled on August 5, 2013. The consultant concludes that ethanol impacted a localized area of shallow groundwater in the vicinity of the spill, and that aerobic and/or anaerobic degradation processes are mitigating groundwater impacts via natural attenuation. Based upon the soil and groundwater sampling data, the consultant recommends no further action to delineate or remediate subsurface impacts associated with the ethanol spill. DEH concurs with the consultants conclusions and recommendations.

Click here to access the California GeoTracker records for this facility:

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25 **QUALCOMM STADIUM** **CA SAN DIEGO CO. SAM** **S107619885**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. SAM:

Case Number:	H21360-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/15/2007
Date Began:	12/7/2005

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25 **SDCTY QUALCOMM STADIUM** **CA HAZNET** **S113029726**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113029726
Year:	2013
GEPAID:	CAL000022738
Contact:	JOY NEWMAN
Telephone:	8585731204

SDCTY QUALCOMM STADIUM (Continued) **S113029726**

Mailing Name:	Not reported
Mailing Address:	9601 RIDGEHAVEN CT
Mailing City,St,Zip:	SAN DIEGO, CA 921230000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0198
Facility County:	Not reported
envid:	S113029726
Year:	2013
GEPAID:	CAL000022738
Contact:	JOY NEWMAN
Telephone:	8585731204
Mailing Name:	Not reported
Mailing Address:	9601 RIDGEHAVEN CT
Mailing City,St,Zip:	SAN DIEGO, CA 921230000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0396
Facility County:	Not reported
envid:	S113029726
Year:	2012
GEPAID:	CAL000022738
Contact:	JOY NEWMAN
Telephone:	8585731204
Mailing Name:	Not reported
Mailing Address:	9601 RIDGEHAVEN CT
Mailing City,St,Zip:	SAN DIEGO, CA 921230000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.043
Facility County:	San Diego
envid:	S113029726
Year:	2012
GEPAID:	CAL000022738
Contact:	JOY NEWMAN
Telephone:	8585731204
Mailing Name:	Not reported
Mailing Address:	9601 RIDGEHAVEN CT
Mailing City,St,Zip:	SAN DIEGO, CA 921230000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported

SDCTY QUALCOMM STADIUM (Continued) **S113029726**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.043
Facility County: San Diego

envid: S113029726
Year: 2012
GEPAID: CAL000022738
Contact: JOY NEWMAN
Telephone: 8585731204
Mailing Name: Not reported
Mailing Address: 9601 RIDGEHAVEN CT
Mailing City,St,Zip: SAN DIEGO, CA 921230000
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0495
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
163 additional CA_HAZNET: record(s) in the EDR Site Report.

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25 **REUTERS** **CA HAZNET** **S113170070**
9449 FRIARS RD TRAILER 8 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113170070
Year: 1998
GEPAID: CAP000035642
Contact: REUTERS AMERICAN HOLDINGS
Telephone: 2028988333
Mailing Name: Not reported
Mailing Address: 1333 H ST N W
Mailing City,St,Zip: WASHINGTON, DC 200050000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .2502
Facility County: San Diego

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25 **MILWAUKEE JOURNAL SETINEL** **CA HAZNET** **S113170067**
9449 FRIARS RD MEDIA TRAILER 1 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113170067
Year: 1998
GEPAID: CAP000035618
Contact: MILWAUKEE JOURNAL SETINEL
Telephone: 4142242608
Mailing Name: Not reported

MILWAUKEE JOURNAL SETINEL (Continued) **S113170067**

Mailing Address: 333 W STATE ST
Mailing City,St,Zip: MILWAUKEE, WI 532010000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .2293
Facility County: San Diego

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25 **KODAK** **CA HAZNET** **S113170069**
9449 FRIARS RD TRAILER 18 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113170069
Year: 1998
GEPAID: CAP000035634
Contact: EASTMAN KODAK
Telephone: 7164775265
Mailing Name: Not reported
Mailing Address: 1669 LAKE AVE
Mailing City,St,Zip: ROCHESTER, NY 146500000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: 1.6054
Facility County: San Diego

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25 **SPORTS ILLUSTRATED** **CA HAZNET** **S113170071**
9449 FRIARS RD MEDIA TRAILER 6 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113170071
Year: 1998
GEPAID: CAP000035659
Contact: TIME WARNER INC
Telephone: 2125223156
Mailing Name: Not reported
Mailing Address: 1271 6TH AVE RM 19628
Mailing City,St,Zip: NEW YORK, NY 100200000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .3544
Facility County: San Diego

25 **JACK MURPHY STADIUM** **FINDS** **1016293742**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110011660103

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Registry ID: 110057108133

Environmental Interest/Information System
STATE MASTER

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25 **CTY SD- J.M. STADIUM** **CA SWEEPS UST** **S103957300**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	21360
Number:	9
Board Of Equalization:	44-021803
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021360-000002
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	21360
Number:	9
Board Of Equalization:	44-021803
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021360-000003
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

CTY SD- J.M. STADIUM (Continued) **S103957300**

Status:	Active
Comp Number:	21360
Number:	9
Board Of Equalization:	44-021803
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021360-000004
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

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25 **ERNS** **2008862095**

9449 FRIARS ROAD **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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25 **CA CHMIRS** **S100944161**

9449 FRIARS ROAD **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	'08-1245
OES notification:	02/11/2008
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

(Continued) **S100944161**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1215
Year:	2008
Agency:	Kinder Morgan
Incident Date:	2/11/2008
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydrocarbons
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Drilling caused the release.
OES Incident Number:	'13-2098
OES notification:	04/07/2013
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S100944161**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain/unknown waterway
Spill Site:	Road
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1935
Year:	2013
Agency:	San Diego Fire Rescue HazMat 1
Incident Date:	4/7/2013
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	No
Site Type:	Storm Drain/unknown waterway
E Date:	Not reported
Substance:	Denatured Alcohol
Quantity Released:	unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	1
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the caller a tanker truck rolled over near Qualcomm Stadium. There are three compartments each with one of the substances for a total of 8,000 gallons. At this time it is unknown which compartment(s) were breached and how much went into the storm drain. The truck driver was injuered and transported to the hospital.

(Continued) **S100944161**

OES Incident Number:	05-5121
OES notification:	09/02/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	San Diego Waste Water Management
Incident Date:	9/1/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	Sewage
Gallons:	103
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported

(Continued) **S100944161**

#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Blockage in a private main causing sewage to spill

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25 **CA CHMIRS** **S105638320**
N/A

PARKING LOT, JACK MURPHY STADIUM 9449 FRIARS ROAD
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	010944
OES notification:	Not reported
OES Date:	11/16/1995
OES Time:	05:30:55 PM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	herzog const
Containment:	Not reported
What Happened:	Not reported
Type:	OTHER
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	herzog const

(Continued) **S105638320**

Incident Date:	1630/16nov95
Admin Agency:	Not reported
Amount:	1000 gal
Contained:	NO
Site Type:	OTHER
E Date:	Not reported
Substance:	dissolved jet fuel (10k ppb)
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	water pumping overflowed onto lot, cleaned up mtdb enviro health on scene

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25 **JACK MURPHY STADIUM** **FTTS** **1004443440**
9449 FRIARS RD **HIST FTTS** **N/A**
SAN DIEGO, CA 92108

FTTS INSP:

Inspection Number:	1988022404947 2
Region:	09
Inspection Date:	02/24/88
Inspector:	CZAJKOWSKI
Violation occurred:	Yes
Investigation Type:	Section 6 PCB Federal Conducted
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	TSCA
Facility Function:	User

HIST FTTS INSP:

Inspection Number:	1988022404947 2
Region:	09
Inspection Date:	Not reported
Inspector:	CZAJKOWSKI
Violation occurred:	Yes
Investigation Type:	Section 6 PCB Federal Conducted
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	TSCA
Facility Function:	User

25 **FELD MOTOR SPORTS** **CA HAZNET** **S113772525**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113772525
Year:	2013
GEPAID:	CAC002684685
Contact:	BRYAN RICHISON
Telephone:	6305666100
Mailing Name:	Not reported
Mailing Address:	10 S 290 HANSLIK CT
Mailing City,St,Zip:	NAPERVILLE, IL 60564
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225
Facility County:	Not reported

envid:	S113772525
Year:	2012
GEPAID:	CAC002684685
Contact:	BRYAN RICHISON
Telephone:	6305666100
Mailing Name:	Not reported
Mailing Address:	10 S 290 HANSLIK CT
Mailing City,St,Zip:	NAPERVILLE, IL 60564
Gen County:	San Diego
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1
Facility County:	San Diego

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25 **SAN DIEGO RIVER WETLAND CREATION** **CA NPDES** **S117709898**
9449 FRIARS ROAD **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	287725
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C336179
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported

SAN DIEGO RIVER WETLAND CREATION (Continued) **S117709898**

Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	08/22/2005
STATUS CODE NAME:	Terminated
STATUS DATE:	06/13/2006
PLACE SIZE:	14
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Ron Agard
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-843-5638
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	San Diego City
OPERATOR ADDRESS:	9192 Topaz Way
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123
OPERATOR CONTACT NAME:	Richard Grunow
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	858-614-5722
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	City/Town Agency
DEVELOPER NAME:	Arrieta Construction Inc
DEVELOPER ADDRESS:	1215 N Marshall Ave
DEVELOPER CITY:	El Cajon
DEVELOPER STATE:	California
DEVELOPER ZIP:	92020
DEVELOPER CONTACT NAME:	Ron Agard
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-843-5638
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Richard Grunow
CERTIFIER TITLE:	Senior Planner
CERTIFICATION DATE:	18-AUG-05
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported

SAN DIEGO RIVER WETLAND CREATION (Continued) **S117709898**

TERTIARY SIC: Not reported

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25 **UNITED PRESS INTERNATIONAL** **CA HAZNET** **S113170066**
9449 FRIARS RD TRAILER 11 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113170066
Year:	1998
GEPAID:	CAP000035600
Contact:	U P I
Telephone:	3102303400
Mailing Name:	Not reported
Mailing Address:	427 HILL ST
Mailing City,St,Zip:	SAN FRANCISCO, CA 941140000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.2502
Facility County:	San Diego

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25 **QUALCOMM STADIUM** **CA RGA LUST** **S114672979**
9449 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2007	QUALCOMM STADIUM	9449 FRIARS RD
2006	QUALCOMM STADIUM	9449 FRIARS RD

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25 **SDCTY QUALCOMM STADIUM** **CA SWRCY** **U003789745**
9449 FRIARS RD **CA SLIC** **N/A**
SAN DIEGO, CA 92108 **CA UST**
CA CHMIRS
CA AST
CA San Diego Co. HMMD

SWRCY:

Reg Id:	51841
Cert Id:	RC14685
Mailing Address:	P O Box 80156
Mailing City:	San Diego
Mailing State:	CA
Mailing Zip Code:	92138
Website:	Not reported
Email:	dsaldajeno@urbancorps.org
Phone Number:	(619) 641-3100
Grand Father:	N
Rural:	N
Operation Begin Date:	03/10/2010
Aluminium:	Y

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	8:00 am - 3:00 pm
Tuesday Hours Of Operation:	CLOSED
Wednesday Hours Of Operation:	CLOSED
Thursday Hours Of Operation:	8:00 am - 3:00 pm
Friday Hours Of Operation:	8:00 am - 3:00 pm
Saturday Hours Of Operation:	8:00 am - 3:00 pm
Sunday Hours Of Operation:	8:00 am - 3:00 pm
Organization ID:	18834
Organization Name:	Urban Corps of San Diego County

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/15/2007
Global Id:	T06019753152
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21360-001
Latitude:	32.787166
Longitude:	-117.118351
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

UST:

Facility ID:	H21360
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.7853703
Longitude:	-117.1186805

CHMIRS:

OES Incident Number:	03-1087
OES notification:	02/25/2003
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	San Diego Co Environmental Health
Incident Date:	2/23/200312:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Ammonia
Gallons:	0.000000
Ounces:	9
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	3
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released due to a leak in the refrigeration unit of a motor home. Note: Injuries where transported to local hospital all where treated. One was hospitalized. Hospitalized patient has since been released.

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

AST:
Certified Unified Program Agencies: San Diego
Owner: CITY OF SAN DIEGO
Total Gallons: 2050

SAN DIEGO CO. HMMD:
Facility Id: 121360
Business Type: 6HK40
EPA Id Number: CAL000022738
APN: 433-250-16-00
Last HMMD Inspection: 04/21/2010
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: CITY OF SAN DIEGO
Facility Address: 9449 FRIARS RD #L48
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-1771
UST Owner: CITY OF SAN DIEGO
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 121360 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121360
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1991-02-26 00:00:00
Year Installed: 1968-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 121360 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 121360
Tank Type: DOUBLE WALL
Additional Id: NT1524 REGULAR UNLEADED/AT4948
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 2004-01-16 00:00:00
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name: UNDERGROUND TANK 121360 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 121360
Tank Type: DOUBLE WALL
Additional Id: NT1524 DIESEL/AT4948
Capacity Gallons: 1000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 2004-01-16 00:00:00
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name: UNDERGROUND TANK 121360 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 121360
Tank Type: DOUBLE WALL
Additional Id: NT1524 DIESEL/AT4948
Capacity Gallons: 1000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 2004-01-16 00:00:00
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

Active Permits:

Facility Id: 121360
Update Date: 11/02/2012
Case Number: MIXTURE
Name: CHEMSEARCH 777
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: 1 X 500 AST
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	1 X 1000 AST
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	OPTI-GRO HYDRATURF
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	BATTERIES:UNIVERSAL WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	AQUEOUS IMMERSION CLEANER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ABSORBANT, SOIL, RAG
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	8002-05-9

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 57-13-6
Name: UREA-BASED FERTILIZER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: USED OIL & GAS FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: BATTERY SYSTEMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: MIX
Name: ARGON/CARBON DIOXIDE MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE, LATEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 15245-12-2
Name: AMMONIUM CALCIUM NITRATE
Other Information: CALICINIT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: mixture
Name: PAINT, WATER BASED LATEX AND FIELD PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	WASTE AEROSOLS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	USED PHOTOGRAPHIC FIXER WASTE/SAN DIEGO X-RAY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV4308
Violation:	VSQG:RED BAG >30 DAYS AT >0C ROOM TEMP
Violation Citation:	Storage time exceeded for red bag waste, stored greater than 30 days at greater than 0C room temperature (for generators of <20 pounds/month). 118280(d)(1)(B)
Activity:	ACTIVE

Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Inspection Date:	04/26/2005
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire,

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

	explosion or release. CCR 66265.31
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3112
Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Facility Id:	121360
Business Type:	6HK40
EPA Id Number:	CAL000022738
APN:	433-250-16-00
Last HMMD Inspection:	04/21/2010
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	CITY OF SAN DIEGO
Facility Address:	9449 FRIARS RD #L48
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1771
UST Owner:	CITY OF SAN DIEGO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 121360 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121360
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1991-02-26 00:00:00
Year Installed: 1968-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 121360 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 121360
Tank Type: DOUBLE WALL
Additional Id: NT1524 REGULAR UNLEADED/AT4948
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 2004-01-16 00:00:00
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name: UNDERGROUND TANK 121360 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 121360
Tank Type: DOUBLE WALL
Additional Id: NT1524 DIESEL/AT4948
Capacity Gallons: 1000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 2004-01-16 00:00:00
Year Installed: 1991-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 20
UST Monitor Method: DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name: UNDERGROUND TANK 121360 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 121360

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Tank Type:	DOUBLE WALL
Additional Id:	NT1524 DIESEL/AT4948
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2004-01-16 00:00:00
Year Installed:	1991-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

Active Permits:

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	CHEMSEARCH 777
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	1 X 500 AST
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	1 X 1000 AST
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	OPTI-GRO HYDRATURF
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	BATTERIES:UNIVERSAL WASTE
Material Waste:	Waste

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: AQUEOUS IMMERSION CLEANER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBANT, SOIL, RAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	57-13-6
Name:	UREA-BASED FERTILIZER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	USED OIL & GAS FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	BATTERY SYSTEMS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	MIX
Name:	ARGON/CARBON DIOXIDE MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	121360
Update Date:	11/02/2012
Case Number:	Not reported

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE, LATEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: 15245-12-2
Name: AMMONIUM CALCIUM NITRATE
Other Information: CALICINIT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: mixture
Name: PAINT, WATER BASED LATEX AND FIELD PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: WASTE AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121360
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: USED PHOTOGRAPHIC FIXER WASTE/SAN DIEGO X-RAY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 121360
Update Date: 11/02/2012
Inspection Date: 06/24/2003
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV4308
Violation:	VSQG:RED BAG >30 DAYS AT >0C ROOM TEMP
Violation Citation:	Storage time exceeded for red bag waste, stored greater than 30 days at greater than 0C room temperature (for generators of <20 pounds/month). 118280(d)(1)(B)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	04/26/2005
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	02/08/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV0136
Violation:	NO DISPOSAL RECORDS: BATTERIES
Violation Citation:	Generator has not maintained onsite documentation for lead-acid battery disposal. CCR 66266.81(a)(4)(B)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3112

SDCTY QUALCOMM STADIUM (Continued) **U003789745**

Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	ACTIVE
Facility Id:	121360
Update Date:	11/02/2012
Inspection Date:	06/24/2003
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE

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25 **CA CHMIRS** **S116777466**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	14-0895
OES notification:	02/13/2014
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego River
Spill Site:	Road
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported

(Continued) **S116777466**

Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1600
Year:	2014
Agency:	San Diego Fire Rescue Hazmat
Incident Date:	2/13/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	San Diego River
E Date:	Not reported
Substance:	Flourescein Dye
Quantity Released:	40
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Caller states fluorescein dye was coming out of a storm drain mixed with water. Hazmat attempted to locate the source but was unable to locate it. The substance will dry and no clean up will occur.

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25 **AGENCE FRANCE PRESS** **CA HAZNET** **S113170072**
9449 FRIARS RD MEDIA TRAILER 9 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113170072
Year:	1998
GEPAID:	CAP000035667
Contact:	AGENCE FRANCE PRESS
Telephone:	3055731816
Mailing Name:	Not reported
Mailing Address:	3550 BISCAYNE BLVD NO 700
Mailing City,St,Zip:	MIAMI, FL 331370000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.2502
Facility County:	San Diego

25 **KNIGHT RIDDER TRIBUNE PHOTO SVC** **CA HAZNET** **S113170061**
9449 FRIARS RD QUALCOMM STADIU **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113170061
Year:	1998
GEPAID:	CAP000035535
Contact:	KNIGHT RIDDER TRIBUNE PHOTO
Telephone:	2023833736
Mailing Name:	Not reported
Mailing Address:	790 NATIONAL PRESS BLDG
Mailing City,St,Zip:	WASHINGTON, DC 200450000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.4586
Facility County:	San Diego

---

25 **ASSOCIATED PRESS** **CA HAZNET** **S113170065**
9449 FRIARS RD TRAILER 1 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113170065
Year:	1998
GEPAID:	CAP000035592
Contact:	ASSOCIATED PRESS
Telephone:	2126211953
Mailing Name:	Not reported
Mailing Address:	350 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.5004
Facility County:	San Diego

---

25 **ROBBIE GORDON STADIUM SUPER TRUCK** **CA HAZNET** **S112950118**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112950118
Year:	2013
GEPAID:	CAC002728728
Contact:	JOHN CARLSON
Telephone:	7048048577
Mailing Name:	Not reported
Mailing Address:	9449 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99

ROBBIE GORDON STADIUM SUPER TRUCK (Continued) **S112950118**

Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.075
Facility County:	Not reported
envid:	S112950118
Year:	2013
GEPAID:	CAC002728728
Contact:	JOHN CARLSON
Telephone:	7048048577
Mailing Name:	Not reported
Mailing Address:	9449 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Facility County:	Not reported
envid:	S112950118
Year:	2005
GEPAID:	CAC002598286
Contact:	JAMES WELCH
Telephone:	9098772651
Mailing Name:	Not reported
Mailing Address:	PO BOX 341
Mailing City,St,Zip:	BLOOMINGTON, CA 923160341
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Recycler
Tons:	121.36
Facility County:	San Diego
envid:	S112950118
Year:	2005
GEPAID:	CAC002598286
Contact:	JAMES WELCH
Telephone:	9098772651
Mailing Name:	Not reported
Mailing Address:	PO BOX 341
Mailing City,St,Zip:	BLOOMINGTON, CA 923160341
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	18.76
Facility County:	San Diego
envid:	S112950118
Year:	2005
GEPAID:	CAC002598286

ROBBIE GORDON STADIUM SUPER TRUCK (Continued) **S112950118**

Contact:	JAMES WELCH
Telephone:	9098772651
Mailing Name:	Not reported
Mailing Address:	PO BOX 341
Mailing City,St,Zip:	BLOOMINGTON, CA 923160341
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Recycler
Tons:	23.76
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

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25 **NEILSON DILLINGHAM BUILDERS INC** **CA HAZNET** **S112844325**
9449 FRIAR'S RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112844325
Year:	1997
GEPAID:	CAC000771576
Contact:	NEILSON DILLINGHAM BUILDERS IN
Telephone:	6192916330
Mailing Name:	Not reported
Mailing Address:	PO BOX 80367
Mailing City,St,Zip:	SAN DIEGO, CA 921380000
Gen County:	Not reported
TSD EPA ID:	CAD000088252
TSD County:	Not reported
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Transfer Station
Tons:	.8428
Facility County:	San Diego

---

25 **CA CHMIRS** **S109047966**
QUALEOMM STADIUM, 9449 FRYERS ROAD **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	07-6374
OES notification:	10/18/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S109047966**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	City of San Diego
Incident Date:	10/18/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Other
E Date:	Not reported
Substance:	UNK
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: Found soil contaminated with unknown oil or chemical, adjacent to property. Believed to be dumped illegally. Started to dig up soil and odors were overwhelming. Stopped digging. HAZMAT company called in.

25 **CITY OF SAN DIEGO** **CA HAZNET** **S113019920**
9449 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113019920
Year:	2006
GEPAID:	CAH111000319
Contact:	DONNA SKINNER
Telephone:	6194925005
Mailing Name:	Not reported
Mailing Address:	9601 RIDGEHAVEN CT #320
Mailing City,St,Zip:	SAN DIEGO, CA 921231636
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	0.66
Facility County:	San Diego

envid:	S113019920
Year:	2006
GEPAID:	CAH111000319
Contact:	DONNA SKINNER
Telephone:	6194925005
Mailing Name:	Not reported
Mailing Address:	9601 RIDGEHAVEN CT #320
Mailing City,St,Zip:	SAN DIEGO, CA 921231636
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Not reported
Tons:	0.04
Facility County:	San Diego

envid:	S113019920
Year:	2006
GEPAID:	CAH111000319
Contact:	DONNA SKINNER
Telephone:	6194925005
Mailing Name:	Not reported
Mailing Address:	9601 RIDGEHAVEN CT #320
Mailing City,St,Zip:	SAN DIEGO, CA 921231636
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Not reported
Tons:	0.07
Facility County:	San Diego

envid:	S113019920
Year:	2006
GEPAID:	CAH111000319
Contact:	DONNA SKINNER
Telephone:	6194925005
Mailing Name:	Not reported

CITY OF SAN DIEGO (Continued) **S113019920**

Mailing Address: 9601 RIDGEHAVEN CT #320
Mailing City,St,Zip: SAN DIEGO, CA 921231636
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Household waste
Disposal Method: Not reported
Tons: 0.11
Facility County: San Diego

envid: S113019920
Year: 2006
GEPAID: CAH111000319
Contact: DONNA SKINNER
Telephone: 6194925005
Mailing Name: Not reported
Mailing Address: 9601 RIDGEHAVEN CT #320
Mailing City,St,Zip: SAN DIEGO, CA 921231636
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 3.16
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
47 additional CA_HAZNET: record(s) in the EDR Site Report.

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26 **DYTRON/FORMER GOLDEN STATE** **CA HIST CORTESE** **S100726129**
6901 LINDA VISTA ROAD **CA LUST** **N/A**
SAN DIEGO, CA 92111 **CA SLIC**
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM
CA ENVIROSTOR

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2955

LUST:
Region: STATE
Global Id: T0607301722
Latitude: 32.783459
Longitude: -117.171212
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/03/1998
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2955
LOC Case Number: H03085-001
File Location: Local Agency

DYTRON/FORMER GOLDEN STATE (Continued) **S100726129**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301722
Status: Completed - Case Closed
Status Date: 11/03/1998

Global Id: T0607301722
Status: Open - Case Begin Date
Status Date: 08/05/1993

Regulatory Activities:
Global Id: T0607301722
Action Type: Other
Date: 08/05/1993
Action: Leak Began

Global Id: T0607301722
Action Type: ENFORCEMENT
Date: 10/29/1998
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607301722
Action Type: Other
Date: 08/05/1993
Action: Leak Discovery

Global Id: T0607301722
Action Type: Other
Date: 03/02/1994
Action: Leak Stopped

Global Id: T0607301722
Action Type: ENFORCEMENT
Date: 09/20/1993
Action: Notice of Responsibility

Global Id: T0607301722
Action Type: Other
Date: 09/13/1993
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2955
Local Case: H03085-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego

DYTRON/FORMER GOLDEN STATE (Continued) **S100726129**

How Found: Other Means
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 08/05/1993
Date Stopped: 03/02/1994
Confirm Date: 08/24/1993
Submit Workplan: Not reported
Prelim Assess: 08/05/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/13/1993
Enforce Date: 9/20/93
Closed Date: 11/3/98
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 102'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/26/2002
Global Id: T0608191416
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03085-002
Latitude: 32.783492
Longitude: -117.171208
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Status: Active
Comp Number: 3085
Number: 9
Board Of Equalization: 44-021790
Referral Date: Not reported

DYTRON/FORMER GOLDEN STATE (Continued) **S100726129**

Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003085-000001
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	3085
Number:	9
Board Of Equalization:	44-021790
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003085-000002
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3085
Number:	9
Board Of Equalization:	44-021790
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003085-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	103085
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	431-320-15-00
Last HMMD Inspection:	10/21/1993
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SAMUEL BOYD
Facility Address:	181 N SECOND ST
Facility City:	EL CAJON

DYTRON/FORMER GOLDEN STATE (Continued) **S100726129**

Facility State:	CA
Facility Zip:	92021-
UST Owner:	SAMUEL BOYD
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103085 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103085
Tank Type:	SINGLE WALL
Additional Id:	#2
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-02-03 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103085 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103085
Tank Type:	SINGLE WALL
Additional Id:	#1
Capacity Gallons:	12000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1994-02-03 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103085 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103085
Tank Type:	SINGLE WALL
Additional Id:	#3
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-02-03 00:00:00
Year Installed:	1975-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported

DYTRON/FORMER GOLDEN STATE (Continued) **S100726129**

Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SAN DIEGO CO. SAM:
Case Number: H03085-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/3/1998
Date Began: 8/5/1993

Case Number: H03085-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 2/26/2002
Date Began: 8/5/1993

ENVIROSTOR:
Facility ID: 37550012
Status: Refer: 1248 Local Agency
Status Date: 07/12/2000
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SAN DIEGO COUNTY
Lead Agency: SAN DIEGO COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.78346
Longitude: -117.1712
APN: 43132015
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 43132015
Alias Type: APN
Alias Name: 37550012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

DYTRON/FORMER GOLDEN STATE (Continued) **S100726129**

Completed Document Type: SB 1248 Notification
Completed Date: 07/01/2000
Comments: SB 1248 SAN DIEGO COUNTY

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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27 **LOWE'S #1013** **FINDS** **1016429330**
2318 NORTHSIDE DR **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110055799131

Environmental Interest/Information System
STATE MASTER

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27 **LOWE'S HOME IMPROVEMENT#1013** **CA San Diego Co. HMMD** **S104745032**
2318 NORTHSIDE DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 100560
Business Type: 6HK70
EPA Id Number: CAL000224960
APN: 433-101-07-00
Last HMMD Inspection: 04/23/2012
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: LOWE'S HIW, INC
Facility Address: PO BOX 1111
Facility City: NORTH WILKSBORO
Facility State: NC
Facility Zip: 28658-0001
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 100560
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL NO. 2
Other Information: Not reported

LOWE'S HOME IMPROVEMENT#1013 (Continued) **S104745032**

Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	100560
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	COMPRESSED LIQUEFIED PETROLEUM GAS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information:	WASTE OXIDIZING LIQUIDS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	FORLIFT BATTERY (ELECTROLYTE COMPONENT)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	Not reported
Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 291 LATEX WASTE
Other Information:	WATER BASED PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	SOLVENTS, FLAMMABLE LIQUIDS/ GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	CORROSIVE CAUSTICS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

LOWE'S HOME IMPROVEMENT#1013 (Continued) **S104745032**

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	WASTE TOXIC LIQUIDS, PESTICIDES, HERBICIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FLAMMABLE SOLID RETAIL PRODUCTS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information:	WASTE ACIDS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	02/26/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	12/05/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	100560

LOWE'S HOME IMPROVEMENT#1013 (Continued) **S104745032**

Update Date:	11/02/2012
Inspection Date:	09/13/2010
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	12/05/2003
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	04/23/2012
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	04/23/2012
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	12/05/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100560

LOWE'S HOME IMPROVEMENT#1013 (Continued) **S104745032**

Update Date:	11/02/2012
Inspection Date:	04/23/2012
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

Facility Id:	100560
Business Type:	6HK70
EPA Id Number:	CAL000224960
APN:	433-101-07-00
Last HMMD Inspection:	04/23/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	LOWE'S HIW, INC
Facility Address:	PO BOX 1111
Facility City:	NORTH WILKSBORO
Facility State:	NC
Facility Zip:	28658-0001
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO. 2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	COMPRESSED LIQUEFIED PETROLEUM GAS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information:	WASTE OXIDIZING LIQUIDS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560

LOWE'S HOME IMPROVEMENT#1013 (Continued) **S104745032**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	FORLIFT BATTERY (ELECTROLYTE COMPONENT)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 291 LATEX WASTE
Other Information:	WATER BASED PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	SOLVENTS, FLAMMABLE LIQUIDS/ GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	CORROSIVE CAUSTICS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	WASTE TOXIC LIQUIDS, PESTICIDES, HERBICIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)

LOWE'S HOME IMPROVEMENT#1013 (Continued) **S104745032**

Other Information: FLAMMABLE SOLID RETAIL PRODUCTS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 100560
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: WASTE ACIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 100560
Update Date: 11/02/2012
Inspection Date: 02/26/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 100560
Update Date: 11/02/2012
Inspection Date: 12/05/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 100560
Update Date: 11/02/2012
Inspection Date: 09/13/2010
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 100560
Update Date: 11/02/2012
Inspection Date: 12/05/2003
Violation Code: 6HV1012
Violation: SPCC PLAN NOT PREPARED
Violation Citation: Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity: ACTIVE

Facility Id: 100560
Update Date: 11/02/2012
Inspection Date: 04/23/2012
Violation Code: 6HV1001

LOWE'S HOME IMPROVEMENT#1013 (Continued) **S104745032**

Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	04/23/2012
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	09/03/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	12/05/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	100560
Update Date:	11/02/2012
Inspection Date:	04/23/2012
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

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27 **LOWE'S HIW-MISSION VALLEY #1013** **CA HAZNET** **S113113567**
2318 NORTHSIDE DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113113567
Year:	2013
GEPAID:	CAL000224960
Contact:	Rob Gass
Telephone:	7047586033
Mailing Name:	Not reported
Mailing Address:	1000 LOWES BLVD
Mailing City,St,Zip:	MOORESVILLE, NC 281170000
Gen County:	San Diego

LOWE'S HIW-MISSION VALLEY #1013 (Continued) **S113113567**

TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0885
Facility County:	Not reported

envid:	S113113567
Year:	2013
GEPAID:	CAL000224960
Contact:	Rob Gass
Telephone:	7047586033
Mailing Name:	Not reported
Mailing Address:	1000 LOWES BLVD
Mailing City,St,Zip:	MOORESVILLE, NC 281170000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2135
Facility County:	Not reported

envid:	S113113567
Year:	2013
GEPAID:	CAL000224960
Contact:	Rob Gass
Telephone:	7047586033
Mailing Name:	Not reported
Mailing Address:	1000 LOWES BLVD
Mailing City,St,Zip:	MOORESVILLE, NC 281170000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.242
Facility County:	Not reported

envid:	S113113567
Year:	2013
GEPAID:	CAL000224960
Contact:	Rob Gass
Telephone:	7047586033
Mailing Name:	Not reported
Mailing Address:	1000 LOWES BLVD
Mailing City,St,Zip:	MOORESVILLE, NC 281170000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3535
Facility County:	Not reported

LOWE'S HIW-MISSION VALLEY #1013 (Continued) **S113113567**

envid:	S113113567
Year:	2013
GEPAID:	CAL000224960
Contact:	Rob Gass
Telephone:	7047586033
Mailing Name:	Not reported
Mailing Address:	1000 LOWES BLVD
Mailing City,St,Zip:	MOORESVILLE, NC 281170000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0395
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
85 additional CA_HAZNET: record(s) in the EDR Site Report.

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27 **CA CHMIRS** **S105885306**
N/A

LOWES 2318 NORTHSIDE DRIVE
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	02-4453
OES notification:	08/17/2002
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported

(Continued) **S105885306**

Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	InfoTrac
Incident Date:	8/17/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	diesel fuel
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Semi was trying to manuever in a parking lot and punctured a saddletank spilling the fuel onto asphalt. Created an 80x80 foot area. Absorbants were used and all was cleaned up.

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27 **THERMAL TREATMENT FACILITY** **CA LDS** **S104156588**
2365 NORTHSIDE DR, BOX 10 **CA WMUDS/SWAT** **N/A**
SAN DIEGO, CA 92108

LDS:

Global Id:	L10001749414
Latitude:	32.78310
Longitude:	-117.1265
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	03/17/2005
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Caseworker:	Not reported
Local Agency:	Not reported
RB Case Number:	9 000000615
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10001749414
Potential Contaminants of Concern:	Not reported

THERMAL TREATMENT FACILITY (Continued) **S104156588**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	CNSOIL
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	SHEWEY ENVIRONMENTAL MGMT
Agency Department:	Not reported
Agency Address:	9301 FRIARS RD
Agency City,St,Zip:	SAN DIEGO CA 92108
Agency Contact:	CHARLIE SHEWEY
Agency Telephone:	6195845440
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Solid Waste Site-Class II - A solid waste facility at which designated wastes may be treated or stored.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	9511
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	True
Regional Board Project Officer:	KDN
Number of WMUDS at Facility:	0
Section Range:	Not reported
RCRA Facility:	No

THERMAL TREATMENT FACILITY (Continued) **S104156588**

Waste Discharge Requirements: H
Self-Monitoring Rept. Frequency: Quarterly Submittal
Waste Discharge System ID: 9 000000615
Solid Waste Information ID: Not reported

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27 **EDR US Hist Auto Stat** **1015351028**
2365 NORTHSIDE DR **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name: AAA AUTOMOBILE CLUB OF SOUTHERN CA
Year: 2005
Address: 2365 NORTHSIDE DR

Name: AAA AUTOMOBILE CLUB OF SOUTHERN CA
Year: 2008
Address: 2365 NORTHSIDE DR

Name: AAA AUTOMOBILE CLUB OF SOUTHERN CA
Year: 2009
Address: 2365 NORTHSIDE DR

Name: AAA AUTO CLUB
Year: 2010
Address: 2365 NORTHSIDE DR

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27 **LIFESIGNS OF CALIFORNIA MED CORP** **CA San Diego Co. HMMD** **S106466803**
2375 NORTHSIDE DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id: 203043
Business Type: 6HK10
EPA Id Number: Not reported
APN: 433-280-14-00
Last HMMD Inspection: 01/30/2004
Permit Status: INAC
Permit Expiration: 06/30/2005
Facility Owner: LIFESIGNS OF CALIFORNIA MEDICAL CORP
Facility Address: 2375 NORTHSIDE DR, #350
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 203043
Business Type: 6HK10
EPA Id Number: Not reported
APN: 433-280-14-00
Last HMMD Inspection: 01/30/2004

LIFESIGNS OF CALIFORNIA MED CORP (Continued) **S106466803**

Permit Status:	INAC
Permit Expiration:	06/30/2005
Facility Owner:	LIFESIGNS OF CALIFORNIA MEDICAL CORP
Facility Address:	2375 NORTHSIDE DR, #350
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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27 **1993N2-PROPERTIES LP** **CA HAZNET** **S112863283**
2377 NORTHSIDE DR. **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112863283
Year:	1995
GEPAID:	CAC001050496
Contact:	1993N2 PROPERTIES LP
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2535 CAMINO DEL RIO SOUTH STE
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Paint sludge
Disposal Method:	Recycler
Tons:	.2085
Facility County:	San Diego

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28 **CA CHMIRS** **S105884096**
10715 CAMINITO CASCARA **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	02-2049
OES notification:	04/14/2002
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

(Continued) **S105884096**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego River
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	City of San Diego
Incident Date:	4/14/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Sewage
Gallons:	112
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Released from a private main, unknown cause.

29 **COSTCO WHOLESALE** **CA HAZNET** **S113174707**
2345 N MISSION CITY PKWY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113174707
Year:	2004
GEPAID:	CAR000064188
Contact:	SHAWN LUTTRELL-LICENSING SPEC
Telephone:	4253136772
Mailing Name:	Not reported
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980270000
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Other
Tons:	0.22
Facility County:	San Diego

envid:	S113174707
Year:	2003
GEPAID:	CAR000064188
Contact:	SHAWN LUTTRELL-LICENSING SPEC
Telephone:	4253136772
Mailing Name:	Not reported
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980270000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Recycler
Tons:	1.97
Facility County:	San Diego

envid:	S113174707
Year:	2003
GEPAID:	CAR000064188
Contact:	SHAWN LUTTRELL-LICENSING SPEC
Telephone:	4253136772
Mailing Name:	Not reported
Mailing Address:	999 LAKE DR
Mailing City,St,Zip:	ISSAQUAH, WA 980270000
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Other
Tons:	0.14
Facility County:	San Diego

envid:	S113174707
Year:	2001
GEPAID:	CAR000064188
Contact:	SHAWN LUTTRELL-LICENSING SPEC
Telephone:	4253136772
Mailing Name:	Not reported

COSTCO WHOLESALE (Continued) **S113174707**

Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.35
Facility County: San Diego

envid: S113174707
Year: 2001
GEPAID: CAR000064188
Contact: SHAWN LUTTRELL-LICENSING SPEC
Telephone: 4253136772
Mailing Name: Not reported
Mailing Address: 999 LAKE DR
Mailing City,St,Zip: ISSAQUAH, WA 980270000
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: 0.1
Facility County: San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

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29 **COSTCO WHOLESALE INC** **CA EMI** **S109281255**
2322 NORTH SIDE DR **N/A**
SAN DIEGO, CA 92108

EMI:
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 99166
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 12.33
Reactive Organic Gases Tons/Yr: 12.33
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 99166
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD

COSTCO WHOLESALE INC (Continued) **S109281255**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.33
Reactive Organic Gases Tons/Yr:	12.33
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	99166
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.56
Reactive Organic Gases Tons/Yr:	12.56
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	99166
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.23
Reactive Organic Gases Tons/Yr:	12.23
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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29 **COSTCO WHOLESALE #488** **CA HAZNET** **S113175584**
2345 FENTON PKWY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113175584
Year:	2013
GEPAID:	CAR000089284
Contact:	Lisa Simpson
Telephone:	4253136275
Mailing Name:	Not reported
Mailing Address:	PO BOX 35005
Mailing City,St,Zip:	SEATTLE, WA 981240000
Gen County:	San Diego

COSTCO WHOLESALE #488 (Continued) **S113175584**

TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.252
Facility County: Not reported

envid: S113175584
Year: 2013
GEPAID: CAR000089284
Contact: Lisa Simpson
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: PO BOX 35005
Mailing City,St,Zip: SEATTLE, WA 981240000
Gen County: San Diego
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0675
Facility County: Not reported

envid: S113175584
Year: 2013
GEPAID: CAR000089284
Contact: Lisa Simpson
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: PO BOX 35005
Mailing City,St,Zip: SEATTLE, WA 981240000
Gen County: San Diego
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.049
Facility County: Not reported

envid: S113175584
Year: 2013
GEPAID: CAR000089284
Contact: Lisa Simpson
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: PO BOX 35005
Mailing City,St,Zip: SEATTLE, WA 981240000
Gen County: San Diego
TSD EPA ID: CAD008302903
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002

COSTCO WHOLESALE #488 (Continued) **S113175584**

Facility County: Not reported

envid: S113175584
Year: 2013
GEPAID: CAR000089284
Contact: Lisa Simpson
Telephone: 4253136275
Mailing Name: Not reported
Mailing Address: PO BOX 35005
Mailing City,St,Zip: SEATTLE, WA 981240000
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
63 additional CA_HAZNET: record(s) in the EDR Site Report.

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29 **COSTCO WHOLESALE INC** **FINDS** **1008248441**
FENTON MARKET PL **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110021343447

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

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29 **COSTCO RETAIL GAS FACILITY** **CA San Diego Co. HMMD** **S106066060**
FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 139901
Business Type: 6HK20
EPA Id Number: Not reported
APN: DEH-139901
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 04/27/2002
Facility Owner: Not reported
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported

COSTCO RETAIL GAS FACILITY (Continued) **S106066060**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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29 **COSTCO WHOLESALE #488** **CA San Diego Co. HMMD** **S105113179**
2332 NORTHSIDE DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 138588
Business Type: 6HK70
EPA Id Number: Not reported
APN: 433-101-03-00
Last HMMD Inspection: 07/21/2005
Permit Status: CHNG
Permit Expiration: 08/31/2006
Facility Owner: COSTCO WHOLESALE CORP
Facility Address: 999 LAKE DRIVE
Facility City: ISSAQUAH
Facility State: WA
Facility Zip: 98027-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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29 **COSTCO WHOLESALE NO 488** **RCRA NonGen / NLR** **1001959782**
2345 N MISSION CITY PKWY **FINDS** **CAR000064188**
SAN DIEGO, CA 92108

RCRA NonGen / NLR:
Date form received by agency: 06/18/2001
Facility name: COSTCO WHOLESALE NO 488
Facility address: 2345 N MISSION CITY PKWY
SAN DIEGO, CA 92108
EPA ID: CAR000064188
Mailing address: 999 LAKE DR
LICENSING
ISSAQUAH, WA 98027
Contact: LISA SIMPSON
Contact address: 999 LAKE DR LICENSING
ISSAQUAH, WA 98027
Contact country: US
Contact telephone: (425) 313-6275
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: COSTCO WHOLESALE CORP
Owner/operator address: 999 LAKE DR
ISSAQUAH, WA 98027
Owner/operator country: Not reported

COSTCO WHOLESALE NO 488 (Continued) **1001959782**

Owner/operator telephone: (425) 313-8100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

FINDS:

Registry ID: 110002931864

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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29 **COSTCO WHOLESALE #488** **RCRA-LQG 1004676770**
2345 FENTON PKWY **FINDS CAR000089284**
SAN DIEGO, CA 92108

RCRA-LQG:
Date form received by agency: 07/11/2014
Facility name: COSTCO WHOLESALE #488
Site name: COSTCO WHOLESALE NO 488
Facility address: 2345 FENTON PKWY
SAN DIEGO, CA 92108
EPA ID: CAR000089284
Mailing address: 3207 GREY HAWK CT

COSTCO WHOLESALE #488 (Continued) **1004676770**

STE 200
CARLSBAD, CA 92010
Contact: ELIZABETH CAMPOS
Contact address: 3207 GREY HAWK CT STE 200
CARLSBAD, CA 92010
Contact country: US
Contact telephone: 760-602-8709
Contact email: ECAMPOS@3ECOMPANY.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: COSTCO WHOLESALE CORP
Owner/operator address: 999 LAKE DR
ISSAQUAH, 98027
Owner/operator country: US
Owner/operator telephone: 425-313-8100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/29/2000
Owner/Op end date: Not reported

Owner/operator name: COSTCO WHOLESALE CORP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 06/29/2000
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

COSTCO WHOLESALE #488 (Continued) **1004676770**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: 122

. Waste code: 131
. Waste name: 131

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 232
. Waste name: 232

. Waste code: 271
. Waste name: 271

. Waste code: 272

COSTCO WHOLESALE #488 (Continued) **1004676770**

. Waste name: 272

. Waste code: 281
. Waste name: 281

. Waste code: 291
. Waste name: 291

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 561
. Waste name: 561

. Waste code: 611
. Waste name: 611

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011

COSTCO WHOLESALE #488 (Continued) **1004676770**

. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Historical Generators:
Date form received by agency: 03/01/2014
Site name: COSTCO WHOLESALE #488
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: 122

. Waste code: 131
. Waste name: 131

. Waste code: 133
. Waste name: 133

. Waste code: 134
. Waste name: 134

. Waste code: 135
. Waste name: 135

COSTCO WHOLESALE #488 (Continued) **1004676770**

. Waste code: 141
. Waste name: 141

. Waste code: 151
. Waste name: 151

. Waste code: 172
. Waste name: 172

. Waste code: 181
. Waste name: 181

. Waste code: 211
. Waste name: 211

. Waste code: 212
. Waste name: 212

. Waste code: 213
. Waste name: 213

. Waste code: 214
. Waste name: 214

. Waste code: 221
. Waste name: 221

. Waste code: 223
. Waste name: 223

. Waste code: 232
. Waste name: 232

. Waste code: 271
. Waste name: 271

. Waste code: 272
. Waste name: 272

. Waste code: 281
. Waste name: 281

. Waste code: 291
. Waste name: 291

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 343
. Waste name: 343

. Waste code: 352
. Waste name: 352

COSTCO WHOLESALE #488 (Continued) **1004676770**

. Waste code: 561
. Waste name: 561

. Waste code: 611
. Waste name: 611

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: D043
. Waste name: VINYL CHLORIDE

COSTCO WHOLESALE #488 (Continued) **1004676770**

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U037
. Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE

. Waste code: U228
. Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Date form received by agency: 07/09/2002
Site name: COSTCO WHOLESALE NO 488
Classification: Small Quantity Generator

COSTCO WHOLESALE #488 (Continued) **1004676770**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110057046897

Environmental Interest/Information System
STATE MASTER

HAZARDOUS WASTE BIENNIAL REPORTER

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29 **COSTCO WHOLESALE** **CA EMI** **S105937327**
FENTON MARKET PL **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	99166
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	99166
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

COSTCO WHOLESALE (Continued) **S105937327**

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2002
County Code: 37
Air Basin: SD
Facility ID: 99166
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2003
County Code: 37
Air Basin: SD
Facility ID: 99166
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 99166
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.5148672
Reactive Organic Gases Tons/Yr: 1.5148672
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2009
County Code: 37
Air Basin: SD
Facility ID: 99166

COSTCO WHOLESALE (Continued) **S105937327**

Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.57
Reactive Organic Gases Tons/Yr:	12.57
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	99166
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.82
Reactive Organic Gases Tons/Yr:	12.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	99166
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.82
Reactive Organic Gases Tons/Yr:	12.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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30 **EDR US Hist Auto Stat** **1015432803**

3333 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	DONS AUTOMOTIVE INC
Year:	2002
Address:	3333 CAMINO DEL RIO S

30 **SAN DIEGO COMMUNITY COLLEGE DISTRICT** **CA HAZNET** **S112959562**
3375 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112959562
Year:	2013
GEPAID:	CAC002613645
Contact:	LANCE LAREAU/DIST ARCHITECT
Telephone:	6193886546
Mailing Name:	Not reported
Mailing Address:	3375 CAMINO DEL RIO S STE 310
Mailing City,St,Zip:	SAN DIEGO, CA 921083807
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.5
Facility County:	Not reported

envid:	S112959562
Year:	2007
GEPAID:	CAC002613645
Contact:	LANCE LAREAU/DIST ARCHITECT
Telephone:	6193886546
Mailing Name:	Not reported
Mailing Address:	3375 CAMINO DEL RIO S STE 310
Mailing City,St,Zip:	SAN DIEGO, CA 921083807
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

envid:	S112959562
Year:	2007
GEPAID:	CAC002613645
Contact:	LANCE LAREAU/DIST ARCHITECT
Telephone:	6193886546
Mailing Name:	Not reported
Mailing Address:	3375 CAMINO DEL RIO S STE 310
Mailing City,St,Zip:	SAN DIEGO, CA 921083807
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	0.8
Facility County:	San Diego

30 **PRITSKER CHIROPRACTIC ASSOCIATES** **CA San Diego Co. HMMD** **S106060257**
3435 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102892
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	DEH-102892
Last HMMD Inspection:	12/26/2005
Permit Status:	INAC
Permit Expiration:	05/31/2010
Facility Owner:	MICHAEL PRITSKER
Facility Address:	3435 CAMINO DEL RIO SOUTH #108
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **PORTAMEDIC** **CA San Diego Co. HMMD** **S106068128**
3633 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	203893
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-520-10-00
Last HMMD Inspection:	11/09/2010
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	MICHAEL I KELLER, MD INC
Facility Address:	3633 CAMINO DEL RIO S #300
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	MARK A CONGER
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	203893
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

PORTAMEDIC (Continued) **S106068128**

Facility Id: 203893
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: TRACE CHEMO
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203893
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: EXPIRED/UNUSED MEDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203893
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: SRU, VINCENT XRAY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 203893
Update Date: 11/02/2012
Inspection Date: 11/09/2010
Violation Code: 6HV4422
Violation: PHARM WASTE NOT PROPERLY LABELED
Violation Citation: Generator did not properly label container holding pharmaceutical waste with the words -incineration only- or other approved markings on the lid and side. 118275(g)
Activity: ACTIVE

Facility Id: 203893
Update Date: 11/02/2012
Inspection Date: 11/09/2010
Violation Code: 6HV4207
Violation: SHARPS IMPROPERLY CONTAINED
Violation Citation: Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity: ACTIVE

Facility Id: 203893
Update Date: 11/02/2012
Inspection Date: 11/09/2010
Violation Code: 6HV4302
Violation: NO ONSITE TREATMENT RECORDS 3 YRS
Violation Citation: Did not maintain and show proof of "onsite" medical waste treatment records for 3 years. 117943, 118215(2)(E)
Activity: ACTIVE

Facility Id: 203893

PORTAMEDIC (Continued) **S106068128**

Update Date:	11/02/2012
Inspection Date:	10/04/2007
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Facility Id:	203893
Update Date:	11/02/2012
Inspection Date:	11/09/2010
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE
Facility Id:	203893
Update Date:	11/02/2012
Inspection Date:	11/09/2010
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	153110
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-520-10-00
Last HMMD Inspection:	09/12/1997
Permit Status:	INAC
Permit Expiration:	08/31/1999
Facility Owner:	PORTAMEDIC
Facility Address:	170 MT AIRY RD
Facility City:	BASKING RIDGE
Facility State:	NJ
Facility Zip:	07920-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

30 **EDR US Hist Cleaners** **1015046889**
3435 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	PRO CLEANING SVC LLC
Year:	2010
Address:	3435 CAMINO DEL RIO S
Name:	PRO CLEANING SERVICES
Year:	2011
Address:	3435 CAMINO DEL RIO S
Name:	PRO CLEANING SERVICES
Year:	2012
Address:	3435 CAMINO DEL RIO S

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30 **ATC DRUG TESTING** **CA San Diego Co. HMMD** **S106068850**
3435 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154477
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-480-09-00
Last HMMD Inspection:	04/28/2003
Permit Status:	INAC
Permit Expiration:	06/30/2004
Facility Owner:	WILLIAM RAUPP
Facility Address:	3435 CAMINO DEL RIO S. 208
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	154477
Update Date:	11/02/2012
Inspection Date:	04/28/2003
Violation Code:	6HV4303
Violation:	SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity:	Inactive Permit
Facility Id:	154115
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-480-09-00
Last HMMD Inspection:	04/27/1999
Permit Status:	INAC

ATC DRUG TESTING (Continued) **S106068850**

Permit Expiration:	04/27/1999
Facility Owner:	WILLIAM RAUPP
Facility Address:	3435 CAMINO DEL RIO S #206
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **MISSION VALLEY TERRACE** **CA HAZNET** **S112869549**
3435 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112869549
Year:	1997
GEPAID:	CAC001150168
Contact:	MISSION VALLEY TERRACE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3435 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	16.8560
Facility County:	San Diego

envid:	S112869549
Year:	1997
GEPAID:	CAC001150168
Contact:	MISSION VALLEY TERRACE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3435 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	16.8560
Facility County:	San Diego

30 **TRANSITIONS MEDICAL SOLUTIONS** **CA San Diego Co. HMMD** **S106068885**
3435 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154485
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-480-09-00
Last HMMD Inspection:	04/28/2003
Permit Status:	INAC
Permit Expiration:	07/31/2004
Facility Owner:	ALBERT P. GIANNINI, JR. MD
Facility Address:	3435 CAMINO DEL RIO S 208A
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	154175
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-480-09-00
Last HMMD Inspection:	04/27/1999
Permit Status:	INAC
Permit Expiration:	04/27/1999
Facility Owner:	FIONA MCMILLAN
Facility Address:	3525 DEL MAR HEIGHTS RD #139
Facility City:	DEL MAR
Facility State:	CA
Facility Zip:	92130-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **EDR US Hist Auto Stat** **1015438976**
3435 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	RENEE GOODRICH MFCC
Year:	2001
Address:	3435 CAMINO DEL RIO S

Name:	LIKE NU AUTO BODY
Year:	2006
Address:	3435 CAMINO DEL RIO S

30 **GM BRWON** **CA HAZNET** **S112852164**
3511 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112852164
Year:	1995
GEPAID:	CAC000910320
Contact:	GREG M BROWN
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3511 CAMINO DEL RIO
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	1.2642
Facility County:	San Diego

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30 **EDR US Hist Auto Stat** **1015439424**
3444 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	RUBENS PAINT & BODY WORKS I
Year:	2008
Address:	3444 CAMINO DEL RIO N
Name:	RUBENS PAINT & BODY WORKS I
Year:	2009
Address:	3444 CAMINO DEL RIO N

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30 **REDHILL MEDICAL MGMT CORP** **CA HAZNET** **S113054737**
3456 CAMINO DEL RIO N #100 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113054737
Year:	1993
GEPAID:	CAL000087840
Contact:	REDHILL MEDICAL MGMT CORP
Telephone:	6195848700
Mailing Name:	Not reported
Mailing Address:	3456 CAMINO DEL RIO N STE 100
Mailing City,St,Zip:	SAN DIEGO, CA 921081714
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	0
Facility County:	San Diego
envid:	S113054737
Year:	1993
GEPAID:	CAL000087840

REDHILL MEDICAL MGMT CORP (Continued) **S113054737**

Contact:	REDHILL MEDICAL MGMT CORP
Telephone:	6195848700
Mailing Name:	Not reported
Mailing Address:	3456 CAMINO DEL RIO N STE 100
Mailing City,St,Zip:	SAN DIEGO, CA 921081714
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Not reported
Tons:	7.00000000000
Facility County:	San Diego

envid:	S113054737
Year:	1993
GEPAID:	CAL000087840
Contact:	REDHILL MEDICAL MGMT CORP
Telephone:	6195848700
Mailing Name:	Not reported
Mailing Address:	3456 CAMINO DEL RIO N STE 100
Mailing City,St,Zip:	SAN DIEGO, CA 921081714
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	0
Facility County:	San Diego

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30 **1X PACIFIC WESTERN HOLDING CO.** **CA HAZNET** **S112844904**
3456 CAMINO DEL RIO N. **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112844904
Year:	1993
GEPAID:	CAC000783352
Contact:	PACIFIC WESTERN HOLDING CO.
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	970 LOS VALLECITOS, STE 224
Mailing City,St,Zip:	SAN MARCOS, CA 920690000
Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Not reported
Tons:	0.59940000000
Facility County:	San Diego

30 **EXTRA CARE HOME HEALTH** **CA San Diego Co. HMMD** **S106068579**
3517 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153952
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-480-25-00
Last HMMD Inspection:	03/18/1998
Permit Status:	INAC
Permit Expiration:	03/18/1998
Facility Owner:	CORNELIAN HOME NURSING
Facility Address:	3517 CAMINO DEL RIO S #208
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	153757
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-480-25-00
Last HMMD Inspection:	02/08/1996
Permit Status:	INAC
Permit Expiration:	02/08/1996
Facility Owner:	RALPH LEANO
Facility Address:	3517 CAMINO DEL RIO S #201
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **EDR US Hist Auto Stat** **1015445581**
3545 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	A & S COLLISION REPAIR INC
Year:	2001
Address:	3545 CAMINO DEL RIO S

30 **LIFE EXAMS MEDICAL SERVICES** **CA San Diego Co. HMMD** **S106069232**
3549 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154684
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-480-21-00
Last HMMD Inspection:	02/14/2007
Permit Status:	CHNG
Permit Expiration:	04/30/2008
Facility Owner:	JEANNETTE JEFFERY
Facility Address:	3549 CAMINO DEL RIO S #B
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **PACIFIC RADIOLOGY CENTER** **CA San Diego Co. HMMD** **S106065726**
3703 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	138802
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	DEH-138802
Last HMMD Inspection:	06/11/1999
Permit Status:	INAC
Permit Expiration:	08/31/2005
Facility Owner:	DAVID SMITH, MD
Facility Address:	3703 CAMINO DEL RIO S, #205
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

30 **PACIFIC PHARM & MED SUPPLIES** **CA San Diego Co. HMMD** **S106059716**
3703 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	100945
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-100945
Last HMMD Inspection:	07/16/2001
Permit Status:	CHNG
Permit Expiration:	02/29/2004
Facility Owner:	PACIFIC PHARM & MED SUPPLIES
Facility Address:	3703 CAMINO DEL RIO S #215
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **UNITED LABOR FOUNDATION** **CA HAZNET** **S112955340**
3737 & 3717 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112955340
Year:	2006
GEPAID:	CAC002606618
Contact:	DEAN OKAMURA EXT 7
Telephone:	6192288103
Mailing Name:	Not reported
Mailing Address:	PO BOX 600615
Mailing City,St,Zip:	SAN DIEGO, CA 92160
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	5.05
Facility County:	San Diego

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30 **POINT LOMA HEALTHCARE MED GRP** **CA San Diego Co. HMMD** **S106068604**
3727 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153790
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-520-16-00
Last HMMD Inspection:	04/13/1999
Permit Status:	INAC
Permit Expiration:	04/13/1999

POINT LOMA HEALTHCARE MED GRP (Continued) **S106068604**

Facility Owner:	GRESHAM BAYNE
Facility Address:	3727 CAMINO DEL RIO S #220
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **UNITED LABOR CENTER CORP** **CA HAZNET** **S112943265**
3737 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112943265
Year:	2005
GEPAID:	CAC002586755
Contact:	JERRY SUPPA
Telephone:	6193399951
Mailing Name:	Not reported
Mailing Address:	PO BOX 86951
Mailing City,St,Zip:	SAN DIEGO, CA 92138
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	6.8
Facility County:	San Diego

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30 **AT&T MOBILITY - MURPHY CANYON SD0386** **CA San Diego Co. HMMD** **S108223706**
3737 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92116

SAN DIEGO CO. HMMD:

Facility Id:	211363
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	439-520-16-00
Last HMMD Inspection:	04/23/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	AT&T MOBILITY
Facility Address:	2600 CAMINO RAMON, RM 3E000
Facility City:	San Ramon
Facility State:	CA
Facility Zip:	94583
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported

AT&T MOBILITY - MURPHY CANYON SD0386 (Continued) **S108223706**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 211363
Update Date: 11/02/2012
Case Number: Not reported
Name: BATTERY ELECTROLYTE
Other Information: LEAD-ACID BATTERIES
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

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30 **JOHN L. BECK, M.D.** **CA San Diego Co. HMMD** **S106068964**
3703 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 154295
Business Type: 6HK10
EPA Id Number: Not reported
APN: 439-520-08-00
Last HMMD Inspection: 04/22/2003
Permit Status: INAC
Permit Expiration: 04/30/2003
Facility Owner: JOHN L. BECK, M.D.
Facility Address: 3703 CAMINO DEL RIO SOUTH #210
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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30 **NEUROSURGICAL ASSOCIATES, INC.** **CA San Diego Co. HMMD** **S106068965**
3703 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 154296
Business Type: 6HK10
EPA Id Number: Not reported
APN: 439-520-08-00
Last HMMD Inspection: 06/25/1998
Permit Status: INAC
Permit Expiration: 10/31/1999
Facility Owner: NEUROSURGICAL ASSOCIATES, INC
Facility Address: 3703 CAMINO DEL RIO S #210
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported

NEUROSURGICAL ASSOCIATES, INC. (Continued) **S106068965**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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30 **PACIFIC SURGICAL INSTITUTE OF PAIN MGMT** **CA San Diego Co. HMMD** **S106068932**
3703 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 208385
Business Type: 6HK58
EPA Id Number: CAL00299632
APN: 439-520-08-00
Last HMMD Inspection: 05/13/2011
Permit Status: OPEN
Permit Expiration: 04/30/2013
Facility Owner: DAVID J SMITH
Facility Address: 3703 CAMINO DEL RIO S #101
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: N

Active Permits:
Facility Id: 208385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: RCRA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: NON RCRA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported

PACIFIC SURGICAL INSTITUTE OF PAIN MGMT (Continued) **S106068932**

Hazardous Categories 2: Not reported

Facility Id: 208385
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 208385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 208385
Update Date: 11/02/2012
Inspection Date: 05/13/2011
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

Facility Id: 208385
Update Date: 11/02/2012
Inspection Date: 08/31/2009
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 154238
Business Type: 6HK10
EPA Id Number: Not reported
APN: 439-520-08-00
Last HMMD Inspection: 07/12/2012
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: DAVID JAMES SMITH MD
Facility Address: 3703 CAMINO DEL RIO S 210
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported

PACIFIC SURGICAL INSTITUTE OF PAIN MGMT (Continued) **S106068932**

Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 154238
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 154238
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 154238
Update Date: 11/02/2012
Inspection Date: 04/04/2006
Violation Code: 6HV4303
Violation: SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation: Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity: ACTIVE

Facility Id: 154238
Update Date: 11/02/2012
Inspection Date: 05/11/2009
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

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30 **CALIFORNIA HIGHWAY PATROL** **CA HIST UST** **U001573121**
3703 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92120

HIST UST:
Region: STATE
Facility ID: 00000035433
Facility Type: Other
Other Type: CHP
Contact Name: Not reported
Telephone: 9163225310
Owner Name: CALIFORNIA HIGHWAY PATROL
Owner Address: P.O. BOX 898
Owner City,St,Zip: SACRAMENTO, CA 95804

CALIFORNIA HIGHWAY PATROL (Continued) **U001573121**

Total Tanks:	0001
Tank Num:	001
Container Num:	601-1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

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30 **PACIFIC SURGICAL INSTITUTE OF PAIN MANAGEMENT** **CA HAZNET** **S113139528**
3703 CAMINO DEL RIO S STE 101 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113139528
Year:	2010
GEPAID:	CAL000299632
Contact:	MATTHEW D. RIFAT
Telephone:	6192820185
Mailing Name:	Not reported
Mailing Address:	3703 CAMINO DEL RIO S STE 101
Mailing City,St,Zip:	SAN DIEGO, CA 921084032
Gen County:	Not reported
TSD EPA ID:	ARD069748192
TSD County:	Not reported
Waste Category:	Pharmaceutical waste
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.02
Facility County:	San Diego

envid:	S113139528
Year:	2005
GEPAID:	CAL000299632
Contact:	JOYCE NORMAN
Telephone:	6196401555
Mailing Name:	Not reported
Mailing Address:	3703 CAMINO DEL RIO S STE 101
Mailing City,St,Zip:	SAN DIEGO, CA 921084032
Gen County:	Not reported
TSD EPA ID:	WAD991281767
TSD County:	Not reported
Waste Category:	Household waste
Disposal Method:	Not reported
Tons:	0.02
Facility County:	San Diego

30 **DERMACARE OF MISSION VALLEY** **CA San Diego Co. HMMD** **S109279098**
3703 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	206992
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-520-08-00
Last HMMD Inspection:	06/28/2007
Permit Status:	INAC
Permit Expiration:	11/30/2009
Facility Owner:	KEVIN B CALHAN, MD
Facility Address:	3703 CAMINO DEL RIO SOUTH #100B
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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30 **PORTAMEDIC** **CA San Diego Co. HMMD** **S106069252**
3530 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154709
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-251-05-00
Last HMMD Inspection:	07/19/2000
Permit Status:	INAC
Permit Expiration:	12/31/2004
Facility Owner:	HOOPER HOLMES, INC.
Facility Address:	170 MOUNT AIRY RD
Facility City:	BASKIN RIDGE
Facility State:	NJ
Facility Zip:	07920-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

30 **TOMA PETROS, DDS, INC.**
3530 CAMINO DEL RIO N
SAN DIEGO, CA 92108

CA San Diego Co. HMMD **S106068712**
N/A

SAN DIEGO CO. HMMD:

Facility Id:	206435
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-251-05-00
Last HMMD Inspection:	07/12/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	TOMA PETROS, DDS, INC.
Facility Address:	3530 CAMINO DEL RIO N #109
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	206435
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	206435
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	206435
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-251-05-00
Last HMMD Inspection:	07/12/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	TOMA PETROS, DDS, INC.
Facility Address:	3530 CAMINO DEL RIO N #109
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported

TOMA PETROS, DDS, INC. (Continued) **S106068712**

Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	206435
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	206435
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	153931
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-251-05-00
Last HMMD Inspection:	10/21/2003
Permit Status:	INAC
Permit Expiration:	01/31/2006
Facility Owner:	ROBERT SELIS, D.D.S.
Facility Address:	3530 CAMINO DEL RIO N #109
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

30 **FOUNTAINVIEW BUSINESS PARK** **CA HAZNET** **S112964959**
3550 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112964959
Year:	2007
GEPAID:	CAC002622184
Contact:	MELISSA CHESTER
Telephone:	8586374660
Mailing Name:	Not reported
Mailing Address:	5627 OBERLIN DR STE 116
Mailing City,St,Zip:	SAN DIEGO, CA 92121
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	4.8
Facility County:	San Diego

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30 **LORIAN HOME SYSTEMS, INC** **CA San Diego Co. HMMD** **S109279495**
3570 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	209247
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-251-04-00
Last HMMD Inspection:	06/06/2011
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	LORIAN HOME SYSTEMS, INC
Facility Address:	3570 CAMINO DEL RIO N #201
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	209247
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	209247
Update Date:	11/02/2012
Case Number:	Not reported

LORIAN HOME SYSTEMS, INC (Continued) **S109279495**

Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 209247
Update Date: 11/02/2012
Inspection Date: 05/09/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 209247
Update Date: 11/02/2012
Inspection Date: 05/09/2008
Violation Code: 6HV4303
Violation: SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation: Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity: ACTIVE

Facility Id: 209247
Update Date: 11/02/2012
Inspection Date: 06/06/2011
Violation Code: 6HV4312
Violation: LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation: Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity: ACTIVE

Facility Id: 209247
Update Date: 11/02/2012
Inspection Date: 06/06/2011
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 209247
Update Date: 11/02/2012
Inspection Date: 05/09/2008
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 209247
Update Date: 11/02/2012
Inspection Date: 06/06/2011

LORIAN HOME SYSTEMS, INC (Continued) **S109279495**

Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE
Facility Id:	209247
Update Date:	11/02/2012
Inspection Date:	05/09/2008
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	ACTIVE
Facility Id:	209247
Update Date:	11/02/2012
Inspection Date:	06/06/2011
Violation Code:	6HV4304
Violation:	LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation:	Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity:	ACTIVE

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30 **CA CHMIRS** **S100221836**

I-8 TO I-15 **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	9990098
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	01-MAR-88
Date Completed:	**01-MAR-88**
Property Use:	961
Agency Id Number:	66645
Agency Incident Number:	88-047
Time Notified:	1135
Time Completed:	1240
Surrounding Area:	600
Estimated Temperature:	Not reported
Property Management:	S
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	UNK
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

(Continued) **S100221836**

Reporting Officer Name/ID:	A. SOLIZ/10150
Report Date:	23-MAY-88
Facility Telephone:	916 445-1865
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	14-FEB-89
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

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30 **BIOMAT, USA** **CA San Diego Co. HMMD** **S106068841**
3636 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	209557
Business Type:	6HK58
EPA Id Number:	Not reported
APN:	433-251-01-00
Last HMMD Inspection:	07/24/2008
Permit Status:	INAC
Permit Expiration:	11/30/2009
Facility Owner:	BIOMAT, USA
Facility Address:	3636 CAMINO DEL RIO N #110
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported

BIOMAT, USA (Continued) **S106068841**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 154098
Business Type: 6HK10
EPA Id Number: Not reported
APN: 433-251-01-00
Last HMMD Inspection: 02/07/2007
Permit Status: INAC
Permit Expiration: 08/31/2007
Facility Owner: CLINIQA
Facility Address: 1432 S MISSION RD #B
Facility City: FALLBROOK
Facility State: CA
Facility Zip: 92028-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 207714
Business Type: 6HK10
EPA Id Number: Not reported
APN: 433-251-01-00
Last HMMD Inspection: 07/24/2008
Permit Status: CHNG
Permit Expiration: 06/30/2009
Facility Owner: AMERI HEALTH PLASMA
Facility Address: 5355 AVENIDA ENCINITA #203
Facility City: CARLSBAD
Facility State: CA
Facility Zip: 92011
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 209557
Business Type: 6HK58
EPA Id Number: Not reported
APN: 433-251-01-00
Last HMMD Inspection: 07/24/2008
Permit Status: INAC
Permit Expiration: 11/30/2009
Facility Owner: BIOMAT, USA
Facility Address: 3636 CAMINO DEL RIO N #110
Facility City: SAN DIEGO

BIOMAT, USA (Continued) **S106068841**

Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	215182
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-251-01-00
Last HMMD Inspection:	06/09/2011
Permit Status:	INAC
Permit Expiration:	10/31/2012
Facility Owner:	JEANNETTE JEFFERY
Facility Address:	PO BOX 600158
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92160
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Click this hyperlink while viewing on your computer to access additional CA_HMMD: detail in the EDR Site Report.

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30 **MISSION VALLEY ACUPUNCTURE** **CA San Diego Co. HMMD** **S106069126**
3456 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154524
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-154524
Last HMMD Inspection:	02/25/2010
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	TONI NARINS LAC
Facility Address:	3456 CAMINO DEL RIO N 100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

MISSION VALLEY ACUPUNCTURE (Continued) **S106069126**

Inactive Permits:

Facility Id:	154524
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ACUPUNCTURE NEEDLES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	154524
Update Date:	11/02/2012
Inspection Date:	06/23/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Facility Id:	154524
Update Date:	11/02/2012
Inspection Date:	02/12/2007
Violation Code:	6HV4312
Violation:	LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation:	Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity:	ACTIVE

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30 **LIMON FAMILY CHIROPRACTIC CENTER** **CA San Diego Co. HMMD** **S106065663**
3456 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	138607
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	433-251-05-00
Last HMMD Inspection:	02/03/2006
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	ALEXANDRIA MARIE LIMON
Facility Address:	3456 CAMINO DEL RIO N #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	138607

LIMON FAMILY CHIROPRACTIC CENTER (Continued) **S106065663**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	HAULER: SAN DIEGO X-RAY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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30 **CA CHMIRS** **S100223104**

SOUTH BOUND I-15 @ CAMINO DEL NORTE **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	9992011
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	24-JAN-88
Date Completed:	**24-JAN-88**
Property Use:	961
Agency Id Number:	37140
Agency Incident Number:	37325
Time Notified:	926
Time Completed:	1005
Surrounding Area:	961
Estimated Temperature:	65
Property Management:	Not reported
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	ENG DON ROCK
Report Date:	24-JAN-88
Facility Telephone:	619 236-7773
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported

(Continued) **S100223104**

Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	Not reported
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Y
Description:	Not reported

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30 **THE COLTON CO** **CA HAZNET** **S112969867**
3838 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112969867
Year:	2008
GEPAID:	CAC002629837
Contact:	PATRICIA CARROLL
Telephone:	6192820200
Mailing Name:	Not reported
Mailing Address:	3838 CAMINO DEL RIO N STE 100
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	3.6
Facility County:	San Diego

envid:	S112969867
Year:	2008
GEPAID:	CAC002629837
Contact:	PATRICIA CARROLL
Telephone:	6192820200
Mailing Name:	Not reported
Mailing Address:	3838 CAMINO DEL RIO N STE 100
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration,

THE COLTON CO (Continued) **S112969867**

Organics Recovery Ect
Tons: 4.4
Facility County: San Diego

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30 **CA CHMIRS** **S116777333**
5585 RANCHO MISSION RD **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	14-0760
OES notification:	02/08/2014
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	SD River
Spill Site:	Road
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2030
Year:	2014
Agency:	SD City FD Hazmat
Incident Date:	2/8/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes

(Continued) **S116777333**

Site Type:	SD River
E Date:	Not reported
Substance:	Fuel - Regular Unleaded
Quantity Released:	10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	Fuel line ruptured in a parked vehicle causing the release, material flowed onto asphalt and concrete then into a storm drain, approximately 2 gallons entered the drain and is unrecoverable, RP tested near-by waterway with negative results, RP handled the containment and and clean up.

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31 **SDG&E - MISSION FACILITY** **RCRA-SQG** **1000137437**
9060 FRIARS RD **FINDS** **CAD982349086**
SAN DIEGO, CA 92108

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SDG&E MISSION CONTROL
Facility address:	9060 FRIARS ROAD SAN DIEGO, CA 92108
EPA ID:	CAD982349086
Mailing address:	PO BOX 1831 ENVIRON DEPT SAN DIEGO, CA 92112
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported

SDG&E - MISSION FACILITY (Continued) **1000137437**

Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SAN DIEGO GAS & ELECT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/03/1988
Site name: SDG&E MISSION CONTROL
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002798802

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SDG&E - MISSION FACILITY (Continued) **1000137437**

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

Registry ID: 110055799177

Environmental Interest/Information System
STATE MASTER

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31 **SDG&E - MISSION SWITCHING CTR** **CA SWEEPS UST** **S106176225**
9060 FRIARS RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108 **CA EMI**

SWEEPS UST:

Status:	Active
Comp Number:	26487
Number:	9
Board Of Equalization:	44-023675
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-026487-000002
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	204960
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	433-100-01-00
Last HMMD Inspection:	12/22/2011
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	AT&T MOBILITY
Facility Address:	PO BOX 5059, RM 3E0000
Facility City:	San Ramon
Facility State:	CA
Facility Zip:	94583
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	204960
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID, H2S04, 14%: LEAD ACID BATTERY ELECTROLYTE
Other Information:	Not reported
Material Waste:	Material

SDG&E - MISSION SWITCHING CTR (Continued) **S106176225**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

Facility Id: 126487
Business Type: 6HK52
EPA Id Number: CAD982349086
APN: 433-100-01-00
Last HMMD Inspection: 08/31/2012
Permit Status: OPEN
Permit Expiration: 04/30/2013
Facility Owner: SAN DIEGO GAS & ELECTRIC
Facility Address: 8315 CENTURY PARK CT, CP21L
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92123
UST Owner: SAN DIEGO GAS & ELECTRIC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 126487 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 126487
Tank Type: DOUBLE WALL
Additional Id: 2
Capacity Gallons: 2200
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1988-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:
Facility Id: 126487
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL NO. 2
Other Information: UNDERGROUND TANK 126487 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 126487
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE

SDG&E - MISSION SWITCHING CTR (Continued) **S106176225**

Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 126487
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 126487
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL NO-2: GENERATOR FUEL.
Other Information: -2 300 GALLON TANKS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 126487
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 126487
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 126487
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 126487
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

SDG&E - MISSION SWITCHING CTR (Continued) **S106176225**

Facility Id:	126487
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID, 15%: LEAD ACID BATTERIES, ELECTROLYTE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	126487
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	126487
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	OIL CONTAMINATED SOLIDS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	126487
Update Date:	11/02/2012
Inspection Date:	01/09/2003
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

EMI:

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SDG&E - MISSION SWITCHING CTR (Continued) **S106176225**

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4931

SDG&E - MISSION SWITCHING CTR (Continued) **S106176225**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4931
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4931
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4931
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

SDG&E - MISSION SWITCHING CTR (Continued) **S106176225**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4931
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4931
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.02445483
Reactive Organic Gases Tons/Yr:	0.021619895
Carbon Monoxide Emissions Tons/Yr:	0.07089731
NOX - Oxides of Nitrogen Tons/Yr:	0.30979115
SOX - Oxides of Sulphur Tons/Yr:	0.00400795
Particulate Matter Tons/Yr:	0.01775619
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.01743489

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	5211
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.4520000000000002E-3
Reactive Organic Gases Tons/Yr:	2.1689999999999999E-3
Carbon Monoxide Emissions Tons/Yr:	9.3699999999999999E-3
NOX - Oxides of Nitrogen Tons/Yr:	0.02785
SOX - Oxides of Sulphur Tons/Yr:	0.0005442
Particulate Matter Tons/Yr:	1.7949999999999999E-3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.00172

31 **SAN DIEGO GAS & ELECTRIC** | **CA NPDES** | **U003941480**
9060 FRIARS RD | **CA UST** | **N/A**
SAN DIEGO, CA 92108 | **CA San Diego Co. HMMD**

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	426974
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C363625
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/15/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	02/05/2013
Discharge Name:	San Diego Gas & Electric Co
Discharge Address:	8315 Century Park Ct CP 21E
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92123
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported

SAN DIEGO GAS & ELECTRIC (Continued) **U003941480**

CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	426974
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C363625
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	02/05/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/10/2012
PROCESSED DATE:	05/15/2012
STATUS CODE NAME:	Terminated
STATUS DATE:	02/06/2013
PLACE SIZE:	3.5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Willie Gaters
FACILITY CONTACT TITLE:	Senior Environmental Specialist
FACILITY CONTACT PHONE:	858-637-3726
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	wgaters@semprautilities.com
OPERATOR NAME:	San Diego Gas & Electric Co
OPERATOR ADDRESS:	8315 Century Park Ct CP 21E
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123

SAN DIEGO GAS & ELECTRIC (Continued) **U003941480**

OPERATOR CONTACT NAME:	Willie Gaters
OPERATOR CONTACT TITLE:	Senior Environmental Specialist
OPERATOR CONTACT PHONE:	858-637-3726
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	wgaters@semprautilities.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	San Diego Gas & Electric Co
DEVELOPER ADDRESS:	8315 Century Park Ct CP 21E
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92123
DEVELOPER CONTACT NAME:	Willie Gaters
DEVELOPER CONTACT TITLE:	Senior Environmental Specialist
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	858-637-3726
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Y
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Grant Frost
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	10-MAY-12
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

UST:

Facility ID:	H26487
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.78009
Longitude:	-117.13304

SAN DIEGO CO. HMMD:

Facility Id:	133344
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	433-100-01-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	10/31/2002
Facility Owner:	Not reported

SAN DIEGO GAS & ELECTRIC (Continued) **U003941480**

Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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32 **CLEANERS CLUB, INC.** **CA SLIC** **S104746515**
4698 ALVARADO CANYON RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/14/2008
Global Id:	SLT19752478
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H32715-001
Latitude:	32.781591
Longitude:	-117.093564
Case Type:	Cleanup Program Site
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	204627
Business Type:	6HK53
EPA Id Number:	Not reported
APN:	461-330-33-01
Last HMMD Inspection:	01/04/2005
Permit Status:	INAC
Permit Expiration:	04/30/2005
Facility Owner:	KELLY SATICH
Facility Address:	4698 ALVARADO CANYON RD #L
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

CLEANERS CLUB, INC. (Continued) **S104746515**

Violations Inactive Permits:

Facility Id:	204627
Update Date:	11/02/2012
Inspection Date:	01/04/2005
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Facility Id:	204627
Business Type:	6HK53
EPA Id Number:	Not reported
APN:	461-330-33-01
Last HMMD Inspection:	01/04/2005
Permit Status:	INAC
Permit Expiration:	04/30/2005
Facility Owner:	KELLY SATICH
Facility Address:	4698 ALVARADO CANYON RD #L
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	204627
Update Date:	11/02/2012
Inspection Date:	01/04/2005
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Facility Id:	107763
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	461-330-33-02
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

CLEANERS CLUB, INC. (Continued) **S104746515**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

SAN DIEGO CO. SAM:
Case Number: H32715-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: AX
Facility Status: Closed Case
Date: 8/14/2008
Date Began: Not reported

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32 **SULLIVAN UNITED** **CA HIST CORTESE** **S105026084**
4660 ALVARADO CNYN **N/A**
SAN DIEGO, CA 92120

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3485

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32 **QUALTECH COLLISION & REPAIR** **CA LUST** **S100726943**
4660 ALVARADO CANYON RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92120 **CA EMI**

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3485
Local Case: H05236-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/12/1996
Date Stopped: 12/12/1996
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 12/20/1996
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/12/1996
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported

QUALTECH COLLISION & REPAIR (Continued) **S100726943**

Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 203434
Business Type: 6HK27
EPA Id Number: CAL000282146
APN: 461-330-31-00
Last HMMD Inspection: 10/26/2005
Permit Status: INAC
Permit Expiration: 09/30/2006
Facility Owner: QUALTECH AUTO COLLISION&REPAIR CTR, INC
Facility Address: 4660 ALVARADO CANYON RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92120
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 203434
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV0303
Violation: WASTE TRANSPORT W/O MANIFEST
Violation Citation: Hazardous waste generator has transported a hazardous waste off-site without preparing a manifest prior to transport. 66262.20(a), 25160.2(b)9
Activity: Inactive Permit

Facility Id: 203434
Update Date: 11/02/2012
Inspection Date: 05/28/2004
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: Inactive Permit

Facility Id: 203434
Update Date: 11/02/2012
Inspection Date: 10/26/2005
Violation Code: 6HV1011

QUALTECH COLLISION & REPAIR (Continued) **S100726943**

Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	Inactive Permit
Facility Id:	203434
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit
Facility Id:	203434
Business Type:	6HK27
EPA Id Number:	CAL000282146
APN:	461-330-31-00
Last HMMD Inspection:	10/26/2005
Permit Status:	INAC
Permit Expiration:	09/30/2006
Facility Owner:	QUALTECH AUTO COLLISION&REPAIR CTR, INC
Facility Address:	4660 ALVARADO CANYON RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	203434
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0303
Violation:	WASTE TRANSPORT W/O MANIFEST
Violation Citation:	Hazardous waste generator has transported a hazardous waste off-site without preparing a manifest prior to transport. 66262.20(a), 25160.2(b)9
Activity:	Inactive Permit
Facility Id:	203434
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit
Facility Id:	203434
Update Date:	11/02/2012
Inspection Date:	10/26/2005

QUALTECH COLLISION & REPAIR (Continued) **S100726943**

Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	Inactive Permit
Facility Id:	203434
Update Date:	11/02/2012
Inspection Date:	05/28/2004
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	9657
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.44
Reactive Organic Gases Tons/Yr:	.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	9657
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.44
Reactive Organic Gases Tons/Yr:	.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	9657
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD

QUALTECH COLLISION & REPAIR (Continued) **S100726943**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.44
Reactive Organic Gases Tons/Yr:	.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	9657
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.44
Reactive Organic Gases Tons/Yr:	0.40999999999999998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	9657
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.44
Reactive Organic Gases Tons/Yr:	0.40999999999999998
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	9657
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.44
Reactive Organic Gases Tons/Yr:	0.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

QUALTECH COLLISION & REPAIR (Continued) **S100726943**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	9657
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.44
Reactive Organic Gases Tons/Yr:	0.41
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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32 **QUALTECH AUTO COLLISION & REPAIR CTR INC** **CA LUST** **S103661018**
4660 ALVARADO CANYON RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST:

Region:	STATE
Global Id:	T0607302250
Latitude:	32.7807511
Longitude:	-117.0942635
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/07/2005
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3485
LOC Case Number:	H05236-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302250
Status:	Completed - Case Closed
Status Date:	12/07/2005
Global Id:	T0607302250
Status:	Open - Case Begin Date
Status Date:	12/12/1996

Regulatory Activities:

Global Id:	T0607302250
Action Type:	Other

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Date: 12/12/1996
Action: Leak Began

Global Id: T0607302250
Action Type: Other
Date: 12/12/1996
Action: Leak Discovery

Global Id: T0607302250
Action Type: Other
Date: 12/12/1996
Action: Leak Stopped

Global Id: T0607302250
Action Type: ENFORCEMENT
Date: 01/09/1997
Action: Notice of Responsibility

Global Id: T0607302250
Action Type: Other
Date: 12/12/1996
Action: Leak Reported

SWEEPS UST:
Status: Active
Comp Number: 5236
Number: 9
Board Of Equalization: 44-022186
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005236-000001
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 2

Status: Active
Comp Number: 5236
Number: 9
Board Of Equalization: 44-022186
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005236-000002
Tank Status: A
Capacity: 7000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:

Facility Id:	105236
Business Type:	Not reported
EPA Id Number:	CAL000080262
APN:	461-330-31-00
Last HMMD Inspection:	08/26/1996
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	STINSON FAMILY PARTNERSHIP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105236 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105236
Tank Type:	SINGLE WALL
Additional Id:	1 REGULAR LEADED
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1996-12-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 105236 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105236
Tank Type:	SINGLE WALL
Additional Id:	2 DIESEL
Capacity Gallons:	7000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-12-12 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Facility Id:	207189
Business Type:	6HK27
EPA Id Number:	CAL000309331
APN:	461-330-31-00
Last HMMD Inspection:	08/22/2012
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	MARK TYLER
Facility Address:	4660 ALVARADO CANYON RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT / SATURATE KITTY LITTER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	MIXED
Name:	ARGON 75%/ CARBON DIOXIDE 25%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	207189

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT RELATED WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 207189
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 207189
Update Date: 11/02/2012
Inspection Date: 07/20/2010
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 207189
Update Date: 11/02/2012
Inspection Date: 08/30/2006
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 207189
Update Date: 11/02/2012
Inspection Date: 07/20/2010
Violation Code: 6HV0219
Violation: OIL/FUEL NOT SEGREGATED FROM FILTERS
Violation Citation: Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
Activity: ACTIVE

Facility Id: 207189
Update Date: 11/02/2012
Inspection Date: 05/21/2008
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 207189
Update Date: 11/02/2012
Inspection Date: 05/21/2008
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	07/20/2010
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	05/21/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	05/21/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	207189
Business Type:	6HK27
EPA Id Number:	CAL000309331
APN:	461-330-31-00
Last HMMD Inspection:	08/22/2012
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	MARK TYLER
Facility Address:	4660 ALVARADO CANYON RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207189
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT / SATURATE KITTY LITTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207189
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 207189
Update Date: 11/02/2012
Case Number: MIXED
Name: ARGON 75%/ CARBON DIOXIDE 25%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 207189
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207189
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207189
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT RELATED WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	207189
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	PAINT BOOTH FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	07/20/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Facility Id:	207189

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Update Date:	11/02/2012
Inspection Date:	08/30/2006
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	07/20/2010
Violation Code:	6HV0219
Violation:	OIL/FUEL NOT SEGREGATED FROM FILTERS
Violation Citation:	Failed to properly segregate used oil &/or fuel drained from filters. 66266.130(c)(6) or 25250.22(b)(4)
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	05/21/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	05/21/2008
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	07/20/2010
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	05/21/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	207189
Update Date:	11/02/2012
Inspection Date:	05/21/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE

QUALTECH AUTO COLLISION & REPAIR CTR INC (Continued) **S103661018**

Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

SAN DIEGO CO. SAM:
Case Number: H05236-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/7/2005
Date Began: 12/12/1996

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32 **FUJI TRUCOLOR, INC. - SAN DIEGO** **CA SLIC** **S108087025**
4782 ALVARADO CANYON ROAD **CA ENVIROSTOR** **N/A**
SAN DIEGO, CA 92120 **CA SAN DIEGO CO. SAM**

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/25/2006
Global Id: T06019789686
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H00039-001
Latitude: 32.781475
Longitude: -117.092374
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

ENVIROSTOR:
Facility ID: 71003322
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED

FUJI TRUCOLOR, INC. - SAN DIEGO (Continued) **S108087025**

Funding: Not reported
Latitude: 32.78091
Longitude: -117.0922
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAL000115870
Alias Type: EPA Identification Number
Alias Name: 71003322
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H00039-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 7/25/2006
Date Began: Not reported

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33 **EDR US Hist Auto Stat** **1015311658**

2042 CRANDALL DR **N/A**
SAN DIEGO, CA 92111

EDR Historical Auto Stations:
Name: PROTECH AUTO SERVICE & REPAIR
Year: 2005
Address: 2042 CRANDALL DR

34 **EDR US Hist Auto Stat** **1015648555**
8235 HARTON PL **N/A**
SAN DIEGO, CA 92123

EDR Historical Auto Stations:
Name: TOTAL BRAKES
Year: 2002
Address: 8235 HARTON PL

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35 **STEVE KIMES CHEVRON INC** **CA RGA LUST** **S114696056**
7698 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	STEVE KIMES CHEVRON INC	7698 FRIARS RD
2003	STEVE KIMES CHEVRON INC	7698 FRIARS RD

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35 **CHEVRON PRODUCTS COMPANY #90091** **CA HAZNET** **S113101675**
7698 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113101675
Year: 2002
GEPAID: CAL000195265
Contact: KATHY NORRIS -COMPLIANCE MA
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.2
Facility County: San Diego

envid: S113101675
Year: 2000
GEPAID: CAL000195265
Contact: KATHY NORRIS -COMPLIANCE MA
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.05
Facility County: San Diego

envid: S113101675

CHEVRON PRODUCTS COMPANY #90091 (Continued) **S113101675**

Year:	2000
GEPAID:	CAL000195265
Contact:	KATHY NORRIS -COMPLIANCE MA
Telephone:	9258425931
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	0.3
Facility County:	San Diego

envid:	S113101675
Year:	1999
GEPAID:	CAL000195265
Contact:	CHEVRON PRODUCTS COMPANY
Telephone:	9258425931
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Recycler
Tons:	.3044
Facility County:	San Diego

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35 **HAZARD CENTER CHEVRON** **CA UST** **U003789446**
7698 FRIARS RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108 **CA SAN DIEGO CO. SAM**

UST:

Facility ID:	H13338
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.7738388
Longitude:	-117.1564568

SAN DIEGO CO. HMMD:

Facility Id:	113338
Business Type:	6HK29
EPA Id Number:	CAL000195265
APN:	438-011-01-00
Last HMMD Inspection:	05/10/2004
Permit Status:	CHNG
Permit Expiration:	05/31/2004
Facility Owner:	WILLIAM O. GILLEY ENT., INC.
Facility Address:	7698 FRIARS RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	CHEVRON USA INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y

HAZARD CENTER CHEVRON (Continued) **U003789446**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 113338 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113338
Tank Type: SINGLE WALL
Additional Id: 1 DIESEL
Capacity Gallons: 10000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1993-09-11 00:00:00
Year Installed: 1983-01-01 00:00:00
Pipe Type: LINED TRENCH
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113338 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 113338
Tank Type: SINGLE WALL
Additional Id: 2 REGULAR LEADED
Capacity Gallons: 5000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1993-09-11 00:00:00
Year Installed: 1975-01-01 00:00:00
Pipe Type: LINED TRENCH
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113338 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 113338
Tank Type: SINGLE WALL
Additional Id: 3 UNLEADED
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1993-09-11 00:00:00
Year Installed: 1975-01-01 00:00:00
Pipe Type: LINED TRENCH
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113338 T004

HAZARD CENTER CHEVRON (Continued) **U003789446**

Last Update:	2012-11-02 14:17:38
Permit Number:	113338
Tank Type:	SINGLE WALL
Additional Id:	4 PREMIUM LEADED
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-09-11 00:00:00
Year Installed:	1975-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113338 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113338
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-09-11 00:00:00
Year Installed:	1975-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113338 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113338
Tank Type:	DOUBLE WALL
Additional Id:	006 UNLEADED/ RT2209
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 113338 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	113338
Tank Type:	DOUBLE WALL
Additional Id:	007 UNLEADED/ RT2209
Capacity Gallons:	12000
UST Contents:	MIDGRADE UNLEADED

HAZARD CENTER CHEVRON (Continued) **U003789446**

Other Content Info:	MIDGRADE UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 113338 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	113338
Tank Type:	DOUBLE WALL
Additional Id:	008 UNLEADED/ RT2209
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 113338 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	113338
Tank Type:	DOUBLE WALL
Additional Id:	009
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

SAN DIEGO CO. SAM:

Case Number:	H13338-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	10/7/1988
Date Began:	10/28/1987
Case Number:	H13338-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**

HAZARD CENTER CHEVRON (Continued) **U003789446**

Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 2/11/1994
Date Began: 2/11/1994

Case Number: H13338-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 11/8/2007
Date Began: 11/10/1993

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35 **CHEVRON USA PRODUCTS (9-0091)** **CA RGA LUST** **S114599848**
7698 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD
2001	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD
2000	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD
1998	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD
1997	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD
1996	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD
1995	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD
1994	CHEVRON USA PRODUCTS (9-0091)	7698 FRIARS RD

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35 **HAZARD CENTER CHEVRON** **CA RGA LUST** **S114631385**
7698 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	HAZARD CENTER CHEVRON	7698 FRIARS RD
2011	HAZARD CENTER CHEVRON	7698 FRIARS RD
2010	HAZARD CENTER CHEVRON	7698 FRIARS RD
2009	HAZARD CENTER CHEVRON	7698 FRIARS RD
2008	HAZARD CENTER CHEVRON	7698 FRIARS RD
2007	HAZARD CENTER CHEVRON	7698 FRIARS RD
2007	HAZARD CENTER CHEVRON	7698 FRIARS RD
2007	HAZARD CENTER CHEVRON	7698 FRIARS RD
2006	HAZARD CENTER CHEVRON	7698 FRIARS RD
2005	HAZARD CENTER CHEVRON	7698 FRIARS RD

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35 **CHEVRON STA NO 90091** **RCRA NonGen / NLR** **1005904467**
7698 FRIARS RD **CAR000122986**
SAN DIEGO, CA 92108

RCRA NonGen / NLR:
Date form received by agency: 03/13/2013
Facility name: CHEVRON STA NO 90091
Facility address: 7698 FRIARS RD
SAN DIEGO, CA 92108
EPA ID: CAR000122986
Mailing address: PO BOX 6004
SAN RAMON, CA 94583

CHEVRON STA NO 90091 (Continued) **1005904467**

Contact:	KATHY NORRIS SLUSHER
Contact address:	PO BOX 6004 SAN RAMON, CA 94583
Contact country:	US
Contact telephone:	877-386-6044
Contact email:	NAWTDESK@CHEVRON.COM
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CHEVRON USA
Owner/operator address:	PO BOX 6004 SAN RAMON, CA 94583
Owner/operator country:	US
Owner/operator telephone:	877-386-6044
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/01/2003
Owner/Op end date:	Not reported

Owner/operator name:	KATHY NORRIS SLUSHER
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/01/2003
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/23/2004
Site name:	CHEVRON 90091
Classification:	Small Quantity Generator

Date form received by agency:	02/23/2004
Site name:	CHEVRON 90091
Classification:	Large Quantity Generator

CHEVRON STA NO 90091 (Continued) **1005904467**

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 05/16/2002
Site name: CHEVRON STATION NO 90091
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

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35 **CHEVRON / FRIARS RD** **CA HIST CORTESE** **S101301996**
7698 FRIARS RD **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA SLIC**
CA SWEEPS UST
CA San Diego Co. HMMD
CA EMI

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2612

LUST:
Region: STATE
Global Id: T0607301364
Latitude: 32.772733747
Longitude: -117.1577354
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/08/2007
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: KH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT2612
LOC Case Number: H13338-003
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607301364
Contact Type: Local Agency Caseworker
Contact Name: KEVIN HEATON
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: kevin.heaton@sdcounty.ca.gov
Phone Number: Not reported

CHEVRON / FRIARS RD (Continued) **S101301996**

Status History:

Global Id:	T0607301364
Status:	Completed - Case Closed
Status Date:	11/08/2007
Global Id:	T0607301364
Status:	Open - Case Begin Date
Status Date:	11/10/1993

Regulatory Activities:

Global Id:	T0607301364
Action Type:	Other
Date:	11/10/1993
Action:	Leak Began
Global Id:	T0607301364
Action Type:	Other
Date:	11/10/1993
Action:	Leak Discovery
Global Id:	T0607301364
Action Type:	Other
Date:	11/10/1993
Action:	Leak Stopped
Global Id:	T0607301364
Action Type:	ENFORCEMENT
Date:	11/18/1993
Action:	Notice of Responsibility
Global Id:	T0607301364
Action Type:	Other
Date:	11/10/1993
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT2612
Local Case:	H13338-003
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Not reported
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	11/10/1993
Date Stopped:	11/10/1993
Confirm Date:	11/10/1993
Submit Workplan:	Not reported
Prelim Assess:	11/18/1993

CHEVRON / FRIARS RD (Continued) **S101301996**

Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/18/1993
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/11/1994
Global Id: T0608146431
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H13338-002
Latitude: 32.772802
Longitude: -117.158003
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/07/1988
Global Id: T0608174942
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H13338-001
Latitude: 32.772802
Longitude: -117.158003
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

CHEVRON / FRIARS RD (Continued) **S101301996**

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Active
Comp Number:	13338
Number:	9
Board Of Equalization:	44-022755
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013338-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	5

Status:	Active
Comp Number:	13338
Number:	9
Board Of Equalization:	44-022755
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013338-000002
Tank Status:	A
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13338
Number:	9
Board Of Equalization:	44-022755
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013338-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	13338

CHEVRON / FRIARS RD (Continued) **S101301996**

Number: 9
Board Of Equalization: 44-022755
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013338-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13338
Number: 9
Board Of Equalization: 44-022755
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013338-000005
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 203652
Business Type: 6HK29
EPA Id Number: CAL000235011
APN: 438-011-01-00
Last HMMD Inspection: 03/05/2012
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: TRAVIS GILLEY
Facility Address: 7698 FRIARS RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: RE HAZARD CONTRACTING CO.
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113338 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 203652

CHEVRON / FRIARS RD (Continued) **S101301996**

Tank Type:	DOUBLE WALL
Additional Id:	006 UNLEADED/ RT2209, RT3235, RT3852, RT4301,RT570
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113338 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	203652
Tank Type:	DOUBLE WALL
Additional Id:	007 UNLEADED/ RT2209, RT3235, RT3852, RT4301,RT570
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113338 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	203652
Tank Type:	DOUBLE WALL
Additional Id:	008 UNLEADED/ RT2209, RT3235, RT3852, RT4301,RT570
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113338 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	203652
Tank Type:	DOUBLE WALL
Additional Id:	009, RT5372,RT5707
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE

CHEVRON / FRIARS RD (Continued) **S101301996**

Remove Close Date: Not reported
Year Installed: 1993-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: UNDERGROUND TANK 113338 T009 WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 113338 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: USD ANTIFRZ RCYCLD ONSITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: 8006-61-9

CHEVRON / FRIARS RD (Continued) **S101301996**

Name: REGULAR UNLEADED 87
Other Information: UNDERGROUND TANK 113338 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 203652
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 113338 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX & FUEL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/09/2005
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/28/2007
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/09/2005
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/29/2006
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available.

CHEVRON / FRIARS RD (Continued) **S101301996**

	25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/29/2006
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/28/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/29/2006
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	203652

CHEVRON / FRIARS RD (Continued) **S101301996**

Update Date: 11/02/2012
Inspection Date: 03/09/2005
Violation Code: 6HV3253
Violation: STICKER/TAG NOT AFFIXED TO MONIT. EQUIP.
Violation Citation: Sticker/tag not affixed to monitoring equipment at certification. 2637(b)(5)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/29/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/28/2011
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/09/2005
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/09/2005
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/09/2005
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/29/2006
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY

CHEVRON / FRIARS RD (Continued) **S101301996**

Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/09/2005
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/08/2010
Violation Code: 6HV3193
Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity: ACTIVE

Facility Id: 203652
Update Date: 11/02/2012
Inspection Date: 03/28/2007
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 203652
Business Type: 6HK29
EPA Id Number: CAL000235011
APN: 438-011-01-00
Last HMMD Inspection: 03/05/2012
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: TRAVIS GILLEY
Facility Address: 7698 FRIARS RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: RE HAZARD CONTRACTING CO.
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113338 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 203652
Tank Type: DOUBLE WALL

CHEVRON / FRIARS RD (Continued) **S101301996**

Additional Id:	006 UNLEADED/ RT2209, RT3235, RT3852, RT4301,RT570
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113338 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	203652
Tank Type:	DOUBLE WALL
Additional Id:	007 UNLEADED/ RT2209, RT3235, RT3852, RT4301,RT570
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113338 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	203652
Tank Type:	DOUBLE WALL
Additional Id:	008 UNLEADED/ RT2209, RT3235, RT3852, RT4301,RT570
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113338 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	203652
Tank Type:	DOUBLE WALL
Additional Id:	009, RT5372,RT5707
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported

CHEVRON / FRIARS RD (Continued) **S101301996**

Year Installed: 1993-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: UNDERGROUND TANK 113338 T009 WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 113338 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 203652
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: USD ANTIFRZ RCYCLD ONSITE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203652
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED 87

CHEVRON / FRIARS RD (Continued) **S101301996**

Other Information:	UNDERGROUND TANK 113338 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	203652
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 113338 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	203652
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	VORTEX & FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/29/2006
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809

CHEVRON / FRIARS RD (Continued) **S101301996**

Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/29/2006
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/28/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/29/2006
Violation Code:	6HV3262
Violation:	SEC CONT PIPING DRAINAGE OBSTRUCTED
Violation Citation:	Secondary containment piping obstructed preventing drainage to sump. 2632
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012

CHEVRON / FRIARS RD (Continued) **S101301996**

Inspection Date:	03/09/2005
Violation Code:	6HV3253
Violation:	STICKER/TAG NOT AFFIXED TO MONIT. EQUIP.
Violation Citation:	Sticker/tag not affixed to monitoring equipment at certification. 2637(b)(5)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/29/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/28/2011
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/29/2006
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a),

CHEVRON / FRIARS RD (Continued) **S101301996**

	25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/09/2005
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	203652
Update Date:	11/02/2012
Inspection Date:	03/28/2007
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3148
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3148
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD

CHEVRON / FRIARS RD (Continued) **S101301996**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3148
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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35 **HAZARD CENTER AUTO MART** **CA HAZNET** **S113116106**
7698 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113116106
Year:	2011
GEPAID:	CAL000235011
Contact:	TRAVIS GILLEY
Telephone:	6192962566
Mailing Name:	Not reported
Mailing Address:	7698 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	1.386
Facility County:	San Diego

envid:	S113116106
Year:	2008
GEPAID:	CAL000235011
Contact:	TRAVIS GILLEY
Telephone:	6192962566
Mailing Name:	Not reported
Mailing Address:	7698 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD951696420

HAZARD CENTER AUTO MART (Continued) **S113116106**

TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.31
Facility County: San Diego

envid: S113116106
Year: 2007
GEPAID: CAL000235011
Contact: TRAVIS GILLEY
Telephone: 6192962566
Mailing Name: Not reported
Mailing Address: 7698 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.01
Facility County: San Diego

envid: S113116106
Year: 2007
GEPAID: CAL000235011
Contact: TRAVIS GILLEY
Telephone: 6192962566
Mailing Name: Not reported
Mailing Address: 7698 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.4
Facility County: San Diego

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35 **CHEVRON STATION NO 90091** **CA HAZNET** **S113176752**
7698 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113176752
Year: 2003
GEPAID: CAR000122986
Contact: Kathy Norris
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: San Ramon, CA 94583
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler

CHEVRON STATION NO 90091 (Continued) **S113176752**

Tons: 3.04
Facility County: San Diego

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35 **STEVE KIMES CHEVRON** **CA HAZNET** **S113027810**
7698 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113027810
Year: 2000
GEPAID: CAL000017539
Contact: WILLIAM O GILLEY PRESIDENT
Telephone: 6192962566
Mailing Name: Not reported
Mailing Address: 7698 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Tank bottom waste
Disposal Method: Recycler
Tons: 5
Facility County: San Diego

envid: S113027810
Year: 2000
GEPAID: CAL000017539
Contact: WILLIAM O GILLEY PRESIDENT
Telephone: 6192962566
Mailing Name: Not reported
Mailing Address: 7698 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Tank bottom waste
Disposal Method: Recycler
Tons: 5
Facility County: San Diego

envid: S113027810
Year: 2000
GEPAID: CAL000017539
Contact: WILLIAM O GILLEY PRESIDENT
Telephone: 6192962566
Mailing Name: Not reported
Mailing Address: 7698 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD982484933
TSD County: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 15.5
Facility County: San Diego

envid: S113027810
Year: 2000

STEVE KIMES CHEVRON (Continued) **S113027810**

GEPAID: CAL000017539
Contact: WILLIAM O GILLEY PRESIDENT
Telephone: 6192962566
Mailing Name: Not reported
Mailing Address: 7698 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD982484933
TSD County: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Tons: 15.5
Facility County: San Diego

envid: S113027810
Year: 2000
GEPAID: CAL000017539
Contact: WILLIAM O GILLEY PRESIDENT
Telephone: 6192962566
Mailing Name: Not reported
Mailing Address: 7698 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD982484933
TSD County: Not reported
Waste Category: Empty containers less than 30 gallons
Disposal Method: Recycler
Tons: 1
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **KIMES STEVE CHEVRON SERVICE** **EDR US Hist Auto Stat** **1008999494**
7698 FRIARS RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name: STANDARD CHEVRON GAS STATION
Year: 1975
Type: GASOLINE STATIONS

Name: KIMES STEVE CHEVRON SERVICE
Year: 1980
Type: GASOLINE STATIONS

Name: KIMES STEVE CHEVRON SERVICE
Year: 1984
Type: GASOLINE STATIONS

Name: HAZARD CTR CHEVRON
Year: 2003
Address: 7698 FRIARS RD

Name: HAZARD CTR AUTO MART
Year: 2004
Address: 7698 FRIARS RD

KIMES STEVE CHEVRON SERVICE (Continued) **1008999494**

Name: HAZARD CENTER AUTO MART
Year: 2005
Address: 7698 FRIARS RD

Name: HAZARD CENTER AUTO MART
Year: 2007
Address: 7698 FRIARS RD

Name: HAZARD CENTER AUTO MART
Year: 2008
Address: 7698 FRIARS RD

Name: HAZARD CENTER AUTO MART
Year: 2010
Address: 7698 FRIARS RD

Name: HAZARD CENTER AUTO MART
Year: 2011
Address: 7698 FRIARS RD

Name: HAZARD CENTER AUTO MART
Year: 2012
Address: 7698 FRIARS RD

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35 **CHEVRON STATION NO 90091** **FINDS** **1016056598**
7698 FRIARS RD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110012542622

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

35 **CHEVRON #9-0091** **CA RGA LUST** **S114595551**
7698 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	CHEVRON #9-0091	7698 FRIARS RD
2003	CHEVRON #9-0091	7698 FRIARS RD

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35 **ROBBINS BROS JEWELRY INC** **CA HAZNET** **S113798227**
7715 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113798227
Year:	2013
GEPAID:	CAL000342676
Contact:	CARLOS BATISTA
Telephone:	6262249500
Mailing Name:	Not reported
Mailing Address:	1300 W OPTICAL DR STE 200
Mailing City,St,Zip:	IRWINDALE, CA 917023284
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	Not reported

envid:	S113798227
Year:	2013
GEPAID:	CAL000342676
Contact:	CARLOS BATISTA
Telephone:	6262249500
Mailing Name:	Not reported
Mailing Address:	1300 W OPTICAL DR STE 200
Mailing City,St,Zip:	IRWINDALE, CA 917023284
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.126
Facility County:	Not reported

envid:	S113798227
Year:	2013
GEPAID:	CAL000342676
Contact:	CARLOS BATISTA
Telephone:	6262249500
Mailing Name:	Not reported
Mailing Address:	1300 W OPTICAL DR STE 200
Mailing City,St,Zip:	IRWINDALE, CA 917023284
Gen County:	San Diego
TSD EPA ID:	CAD008364432

ROBBINS BROS JEWELRY INC (Continued) **S113798227**

TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02
Facility County: Not reported

envid: S113798227
Year: 2013
GEPAID: CAL000342676
Contact: CARLOS BATISTA
Telephone: 6262249500
Mailing Name: Not reported
Mailing Address: 1300 W OPTICAL DR STE 200
Mailing City,St,Zip: IRWINDALE, CA 917023284
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.005
Facility County: Not reported

envid: S113798227
Year: 2012
GEPAID: CAL000342676
Contact: CARLOS BATISTA
Telephone: 6262249500
Mailing Name: Not reported
Mailing Address: 1300 W OPTICAL DR STE 200
Mailing City,St,Zip: IRWINDALE, CA 917023284
Gen County: San Diego
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.04
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **ROBBINS BROS CORPORATION** **CA HAZNET** **S113143319**
7717 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113143319
Year: 2008
GEPAID: CAL000308564
Contact: BRIAN MADSON
Telephone: 6195430525
Mailing Name: Not reported
Mailing Address: 1300 W OPTICAL DR STE 200
Mailing City,St,Zip: AZUSA, CA 917020000
Gen County: Not reported

ROBBINS BROS CORPORATION (Continued) **S113143319**

TSD EPA ID: TXD069452340
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Not reported
Tons: 0.02
Facility County: San Diego

envid: S113143319
Year: 2007
GEPAID: CAL000308564
Contact: BRIAN MADSON
Telephone: 6195430525
Mailing Name: Not reported
Mailing Address: 1300 W OPTICAL DR STE 200
Mailing City,St,Zip: AZUSA, CA 917020000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.08
Facility County: San Diego

envid: S113143319
Year: 2007
GEPAID: CAL000308564
Contact: BRIAN MADSON
Telephone: 6195430525
Mailing Name: Not reported
Mailing Address: 1300 W OPTICAL DR STE 200
Mailing City,St,Zip: AZUSA, CA 917020000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.04
Facility County: San Diego

envid: S113143319
Year: 2007
GEPAID: CAL000308564
Contact: BRIAN MADSON
Telephone: 6195430525
Mailing Name: Not reported
Mailing Address: 1300 W OPTICAL DR STE 200
Mailing City,St,Zip: AZUSA, CA 917020000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01
Facility County: San Diego

ROBBINS BROS CORPORATION (Continued) **S113143319**

envid:	S113143319
Year:	2006
GEPAID:	CAL000308564
Contact:	BRIAN MADSON
Telephone:	6195430525
Mailing Name:	Not reported
Mailing Address:	5744 SAN FERNANDO RD
Mailing City,St,Zip:	GLENDALE, CA 91202
Gen County:	Not reported
TSD EPA ID:	CAL000110141
TSD County:	Not reported
Waste Category:	Metal dust (Alkaline solution (pH >= 12.5) with metals) and machining waste
Disposal Method:	Not reported
Tons:	0.01
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **ROBBINS BROTHERS JEWELRY** **CA San Diego Co. HMMD** **S104890711**
7717 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133317
Business Type:	6HK51
EPA Id Number:	CAL000370388
APN:	438-011-21-00
Last HMMD Inspection:	06/13/2012
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	STEVE ROBBINS
Facility Address:	1300 W OPTICAL DR
Facility City:	AZUSA
Facility State:	CA
Facility Zip:	91702
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	133317
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, 02, COMPRESSED GLAMMABLE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	133317
Update Date:	11/02/2012
Case Number:	Not reported

ROBBINS BROTHERS JEWELRY (Continued) **S104890711**

Name:	WASTE 111 ACID SOL'N WITH METALS - R
Other Information:	ACID SOLUTION WITH METALS PLATING SOLUTION
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	133317
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	NON RCRA PLASTER OF PARIS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	133317
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE, COMPRESSED FLAMMABLE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	133317
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	NON RCRA MONOETHANOL AMINE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	03/24/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	06/13/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT

ROBBINS BROTHERS JEWELRY (Continued) **S104890711**

Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	03/24/2009
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR

ROBBINS BROTHERS JEWELRY (Continued) **S104890711**

66265.173(a)
Activity: ACTIVE

Facility Id: 133317
Update Date: 11/02/2012
Inspection Date: 02/27/2006
Violation Code: 6HV0303
Violation: WASTE TRANSPORT W/O MANIFEST
Violation Citation: Hazardous waste generator has transported a hazardous waste off-site without preparing a manifest prior to transport. 66262.20(a), 25160.2(b)9
Activity: ACTIVE

Facility Id: 133317
Update Date: 11/02/2012
Inspection Date: 02/27/2006
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Facility Id: 133317
Update Date: 11/02/2012
Inspection Date: 02/27/2006
Violation Code: 6HV0402
Violation: TRAINING PROGRAM NOT ADEQUATE
Violation Citation: Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity: ACTIVE

Facility Id: 133317
Business Type: 6HK51
EPA Id Number: CAL000370388
APN: 438-011-21-00
Last HMMD Inspection: 06/13/2012
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: STEVE ROBBINS
Facility Address: 1300 W OPTICAL DR
Facility City: AZUSA
Facility State: CA
Facility Zip: 91702
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 133317
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, 02, COMPRESSED GLAMMABLE GAS
Other Information: Not reported

ROBBINS BROTHERS JEWELRY (Continued) **S104890711**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 133317
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 111 ACID SOL'N WITH METALS - R
Other Information: ACID SOLUTION WITH METALS PLATING SOLUTION
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133317
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: NON RCRA PLASTER OF PARIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 133317
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE, COMPRESSED FLAMMABLE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 133317
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: NON RCRA MONOETHANOL AMINE WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 133317
Update Date: 11/02/2012
Inspection Date: 03/24/2009
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 133317
Update Date: 11/02/2012
Inspection Date: 08/02/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)

ROBBINS BROTHERS JEWELRY (Continued) **S104890711**

Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	06/13/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	03/24/2009
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

ROBBINS BROTHERS JEWELRY (Continued) **S104890711**

Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0303
Violation:	WASTE TRANSPORT W/O MANIFEST
Violation Citation:	Hazardous waste generator has transported a hazardous waste off-site without preparing a manifest prior to transport. 66262.20(a), 25160.2(b)9
Activity:	ACTIVE

Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Facility Id:	133317
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

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35 **ELLEN LEE** **CA HAZNET** **S112991856**
7855 FRIARS RD STE 25 **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid:	S112991856
Year:	2011
GEPAID:	CAC002673913
Contact:	ELLEN LEE
Telephone:	6192919390
Mailing Name:	Not reported
Mailing Address:	7855 FRIARS RD STE 25
Mailing City,St,Zip:	SAN DIEGO, CA 92110
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4

ELLEN LEE (Continued) **S112991856**

Facility County: San Diego

envid: S112991856
Year: 2011
GEPAID: CAC002673913
Contact: ELLEN LEE
Telephone: 6192919390
Mailing Name: Not reported
Mailing Address: 7855 FRIARS RD STE 25
Mailing City,St,Zip: SAN DIEGO, CA 92110
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

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35 **RALPHS GROCERY CO #77** **CA HAZNET** **S113034993**
7730 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113034993
Year: 2010
GEPAID: CAL000034425
Contact: MELISSA PENA
Telephone: 3108849000
Mailing Name: Not reported
Mailing Address: 1100 W ARTESIA BLVD
Mailing City,St,Zip: COMPTON, CA 902205108
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0205
Facility County: San Diego

envid: S113034993
Year: 2010
GEPAID: CAL000034425
Contact: MELISSA PENA
Telephone: 3108849000
Mailing Name: Not reported
Mailing Address: 1100 W ARTESIA BLVD
Mailing City,St,Zip: COMPTON, CA 902205108
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0205
Facility County: San Diego

RALPHS GROCERY CO #77 (Continued) **S113034993**

envid: S113034993
Year: 1999
GEPAID: CAL000034425
Contact: RALPHS GROCERY CO
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 54143
Mailing City,St,Zip: LOS ANGELES, CA 900540000
Gen County: Not reported
TSD EPA ID: CAL000161743
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: .3210
Facility County: San Diego

envid: S113034993
Year: 1999
GEPAID: CAL000034425
Contact: RALPHS GROCERY CO
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 54143
Mailing City,St,Zip: LOS ANGELES, CA 900540000
Gen County: Not reported
TSD EPA ID: CAL000161743
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: .3210
Facility County: San Diego

envid: S113034993
Year: 1995
GEPAID: CAL000034425
Contact: RALPHS GROCERY CO
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: P O BOX 54143
Mailing City,St,Zip: LOS ANGELES, CA 900540000
Gen County: Not reported
TSD EPA ID: CAL000048571
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .2793
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

35 **FRIARS OFFICE BLDG LLC** **CA HAZNET** **S112970371**
7801 MISSION CENTER CT **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112970371
Year:	2008
GEPAID:	CAC002630605
Contact:	NAOMI TRAGER/ASSIST RE ESTATE MGR
Telephone:	8583731234
Mailing Name:	Not reported
Mailing Address:	5330 CARROLL CANYON RD STE 200
Mailing City,St,Zip:	SAN DIEGO, CA 92121
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	8.95
Facility County:	San Diego

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35 **1X FRIARS OFFICE PARK** **CA HAZNET** **S112845888**
7801 MISSION CENTER COURT **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112845888
Year:	1993
GEPAID:	CAC000799480
Contact:	FRIARS OFFICE PARK
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	7801 MISSION CENTER COURT
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Liquids with polychloronated biphenyls >= 50 Mg./L
Disposal Method:	Not reported
Tons:	1.2
Facility County:	San Diego

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35 **AALL CARE IN HOUSE HEALTH CARE** **CA San Diego Co. HMMD** **S104759810**
7801 MISSION CENTER CT **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153236
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-011-18-00
Last HMMD Inspection:	06/01/1994
Permit Status:	INAC
Permit Expiration:	06/01/1994
Facility Owner:	JEAN MOORE
Facility Address:	7801 MISSION CENTER CT
Facility City:	SAN DIEGO

AALL CARE IN HOUSE HEALTH CARE (Continued) **S104759810**

Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **MARTHA STASIK** **CA HAZNET** **S112985930**
7982 MISSION CENTER CT UNIT F **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112985930
Year:	2011
GEPAID:	CAC002666285
Contact:	MARTHA STASIK
Telephone:	6192189324
Mailing Name:	Not reported
Mailing Address:	7982 MISSION CENTER CT UNIT F
Mailing City,St,Zip:	SAN DIEGO, CA 921081469
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

envid:	S112985930
Year:	2011
GEPAID:	CAC002666285
Contact:	MARTHA STASIK
Telephone:	6192189324
Mailing Name:	Not reported
Mailing Address:	7982 MISSION CENTER CT UNIT F
Mailing City,St,Zip:	SAN DIEGO, CA 921081469
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

35 **ROBERT PRICE** **CA HAZNET** **S113792053**
7972 MISSION CENTER CT. UNIT F **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113792053
Year:	2012
GEPAID:	CAC002710376
Contact:	ROBERT PRICE
Telephone:	6197099651
Mailing Name:	Not reported
Mailing Address:	7972 MISSION CENTER CT. UNIT F
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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35 **ELI HUMPHREY** **CA HAZNET** **S113789388**
7960 MISSION CENTER CT **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113789388
Year:	2012
GEPAID:	CAC002706565
Contact:	ELI HUMPHREY
Telephone:	6199546833
Mailing Name:	Not reported
Mailing Address:	7960 MISSION CENTER CT
Mailing City,St,Zip:	SAN DIEGO, CA 921085440
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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35 **PARKER INVESTMENT CORP.** **CA HAZNET** **S117307686**
7580 MISSION CENTER CT#LOBBY,100,10 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117307686
Year:	2013
GEPAID:	CAC002753398
Contact:	GARRETT PRYOR
Telephone:	7606342470
Mailing Name:	Not reported
Mailing Address:	PO BOX 16913
Mailing City,St,Zip:	SAN DIEGO, CA 92176
Gen County:	San Diego

PARKER INVESTMENT CORP. (Continued) **S117307686**

TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1125
Facility County: Not reported

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35 **JASON TZAVARAS** **CA HAZNET** **S117303512**
7936 MISSION CENTER CT UNIT F **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S117303512
Year: 2013
GEPAID: CAC002747486
Contact: JASON TZAVARAS
Telephone: 6193225349
Mailing Name: Not reported
Mailing Address: 7936 MISSION CENTER CT UNIT F
Mailing City,St,Zip: SAN DIEGO, CA 921081404
Gen County: San Diego
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: Not reported

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35 **DAVE BECKSTRAND** **CA HAZNET** **S117304283**
7930 MISSION CENTER CT UNIT A **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S117304283
Year: 2013
GEPAID: CAC002748605
Contact: DAVE BECKSTRAND
Telephone: 8583343808
Mailing Name: Not reported
Mailing Address: 7930 MISSION CENTER CT UNIT A
Mailing City,St,Zip: SAN DIEGO, CA 921081486
Gen County: San Diego
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.8
Facility County: Not reported

35 **FRAZEE PAINT** **RCRA NonGen / NLR** **1000443110**
5448 MISSION CTR RD **FINDS** **CAD981628274**
SAN DIEGO, CA 92108 **CA HIST UST**
CA SWEEPS UST
CA San Diego Co. HMMD

RCRA NonGen / NLR:
Date form received by agency: 12/08/2009
Facility name: FRAZEE PAINT
Facility address: 5448 MISSION CTR RD
SAN DIEGO, CA 92108
EPA ID: CAD981628274
Contact: STEVE EATON
Contact address: 6625 MIRAMAR RD
SAN DIEGO, CA 92121
Contact country: US
Contact telephone: (858) 626-3383
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PROFESSIONAL PAINT INC
Owner/operator address: 3900 JOLIET ST
DENVER, CO 80239
Owner/operator country: Not reported
Owner/operator telephone: (303) 371-5600
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/11/2001
Site name: FRAZEE PAINT
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

FRAZEE PAINT (Continued) **1000443110**

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 09/01/1996
Site name: FRAZEE PAINT
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002730091

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

FRAZEE PAINT (Continued) **1000443110**

Region:	STATE
Facility ID:	00000007428
Facility Type:	Other
Other Type:	PAINT STORE
Contact Name:	RON SMALL
Telephone:	6192974242
Owner Name:	FRAZEE PAINT & WALLCOVERINGS
Owner Address:	6625 MIRAMAR RD
Owner City,St,Zip:	SAN DIEGO, CA 92121
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1971
Tank Capacity:	00000300
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

SWEEPS UST:

Status:	Active
Comp Number:	16035
Number:	9
Board Of Equalization:	44-021571
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	16035
Number:	Not reported
Board Of Equalization:	44-021571
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-016035-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

FRAZEE PAINT (Continued) **1000443110**

Facility Id:	116035
Business Type:	6HK18
EPA Id Number:	CAD981628274
APN:	438-011-24-00
Last HMMD Inspection:	02/23/2009
Permit Status:	INAC
Permit Expiration:	06/30/2010
Facility Owner:	FRAZEE INDUSTRIES, INC
Facility Address:	PO BOX 390068
Facility City:	DENVER
Facility State:	CO
Facility Zip:	80239
UST Owner:	FRAZEE PAINT & WALLCOVERINGS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 116035 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	116035
Tank Type:	SINGLE WALL
Additional Id:	1 LATEX SLUDGE
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	LATEX SLUDGE
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

Violations Inactive Permits:

Facility Id:	116035
Update Date:	11/02/2012
Inspection Date:	09/16/2003
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

35 **CJR BUILDERS INC** **CA HAZNET** **S112983069**
5448 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112983069
Year:	2011
GEPAID:	CAC002662200
Contact:	DEBBIE BARTLE
Telephone:	7145722600
Mailing Name:	Not reported
Mailing Address:	650 N ROSE DR STE 154
Mailing City,St,Zip:	PLACENTIA, CA 928707513
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.06
Facility County:	San Diego

envid:	S112983069
Year:	2011
GEPAID:	CAC002662200
Contact:	DEBBIE BARTLE
Telephone:	7145722600
Mailing Name:	Not reported
Mailing Address:	650 N ROSE DR STE 154
Mailing City,St,Zip:	PLACENTIA, CA 928707513
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Facility County:	San Diego

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35 **FRAZEE PAINT # 30** **CA HAZNET** **S113008231**
5448 MISSION CTR RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113008231
Year:	2003
GEPAID:	CAD981628274
Contact:	STEVE EATON/ENVIRON MGR
Telephone:	8586263383
Mailing Name:	Not reported
Mailing Address:	6625 MIRAMAR RD
Mailing City,St,Zip:	SAN DIEGO, CA 921212508
Gen County:	Not reported
TSD EPA ID:	KSD980633259
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Recycler
Tons:	0.22
Facility County:	San Diego

FRAZEE PAINT # 30 (Continued) **S113008231**

envid: S113008231
Year: 1997
GEPAID: CAD981628274
Contact: WILLIAM HOLDINGS PLC
Telephone: 5084810700
Mailing Name: Not reported
Mailing Address: 6625 MIRAMAR RD
Mailing City,St,Zip: SAN DIEGO, CA 921212508
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .1459
Facility County: San Diego

envid: S113008231
Year: 1995
GEPAID: CAD981628274
Contact: WILLIAM HOLDINGS PLC
Telephone: 5084810700
Mailing Name: Not reported
Mailing Address: 6625 MIRAMAR RD
Mailing City,St,Zip: SAN DIEGO, CA 921212508
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .0208
Facility County: San Diego

envid: S113008231
Year: 1995
GEPAID: CAD981628274
Contact: WILLIAM HOLDINGS PLC
Telephone: 5084810700
Mailing Name: Not reported
Mailing Address: 6625 MIRAMAR RD
Mailing City,St,Zip: SAN DIEGO, CA 921212508
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .0208
Facility County: San Diego

35 **HERITAGE COUNTRY CLUB** **CA San Diego Co. HMMD** **S106062429**
1450 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	126435
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	438-011-43-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	HERITAGE COUNTRY CLUB
Facility Address:	1455 FRAZEE RD 1000
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-4301
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	205051
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-011-43-00
Last HMMD Inspection:	06/02/2010
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	FARHOUD RASTEGAR, DMD, INC
Facility Address:	1450 FRAZEE RD #209
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	205051
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	MAIL BACK SHARPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	205051
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAG / OCEASICNALLY

HERITAGE COUNTRY CLUB (Continued) **S106062429**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 205051
Update Date: 11/02/2012
Inspection Date: 04/04/2007
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

Facility Id: 205051
Update Date: 11/02/2012
Inspection Date: 10/24/2008
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

Facility Id: 205051
Update Date: 11/02/2012
Inspection Date: 10/24/2008
Violation Code: 6HV4353
Violation: LQG:NO MW DISPOSAL RECORDS FOR 3 YRS
Violation Citation: Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 3 years (LQG). 117975
Activity: ACTIVE

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35 **PSYCHIATRIC CENTERS AT S.D.** **CA San Diego Co. HMMD** **S106068372**
1450 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 153480
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-011-43-00
Last HMMD Inspection: 04/18/2002
Permit Status: INAC
Permit Expiration: 09/30/2005
Facility Owner: PSYCHIATRIC CENTERS AT S.D.
Facility Address: P.O.BOX 609001
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92160
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

35 **EXTREME SMILE MAKEOVER CENTER** **CA HAZNET** **S113154416**
1450 FRAZEE RD STE 209 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113154416
Year:	2009
GEPAID:	CAL000337628
Contact:	TAMI WEST
Telephone:	6195746678
Mailing Name:	Not reported
Mailing Address:	1450 FRAZEE RD STE 209
Mailing City,St,Zip:	SAN DIEGO, CA 921084342
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0165
Facility County:	San Diego

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35 **VISITING NURSE ASSN SD COUNTY** **CA San Diego Co. HMMD** **S106068395**
1450 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153514
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-011-43-00
Last HMMD Inspection:	05/13/1998
Permit Status:	INAC
Permit Expiration:	05/13/1998
Facility Owner:	VNA HEALTH SERVICES
Facility Address:	1450 FRAZEE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **PREMIER HEALTHCARE SERVICES, LLC** **CA San Diego Co. HMMD** **S104755031**
1450 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135472
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	438-011-43-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	05/31/2002

PREMIER HEALTHCARE SERVICES, LLC (Continued) **S104755031**

Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	213039
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-011-43-00
Last HMMD Inspection:	12/01/2010
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	JOE MALLINGER
Facility Address:	1450 FRAZEE RD #306
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	213039
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	STERICYCLE MAILBACK
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	213039
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	MAILBACK STERICYCLE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

35 **HOWARD KATZ DDS** **CA San Diego Co. HMMD** **S106066288**
1450 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	150367
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-011-43-00
Last HMMD Inspection:	01/07/2004
Permit Status:	INAC
Permit Expiration:	03/31/2005
Facility Owner:	HOWARD KATZ DDS INC
Facility Address:	1450 FRAZEE RD #209
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-4337
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **EDR US Hist Auto Stat** **1015230925**
1455 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	JERRYS DETAILING & HAND CAR WASH
Year:	1999
Address:	1455 FRAZEE RD

Name:	JERRYS DETAILING & HAND CAR WASH
Year:	2000
Address:	1455 FRAZEE RD

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35 **ALPHA TRUST CHIROPRACTIC** **CA San Diego Co. HMMD** **S106071767**
7840 MISSION CENTER CT **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201782
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-011-17-00
Last HMMD Inspection:	01/11/2006
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	ALPHA TRUST CHIROPRACTIC
Facility Address:	7840 MISSION CENTER CT. #105
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

ALPHA TRUST CHIROPRACTIC (Continued) **S106071767**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 201782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: HAULER: FIXER TREATMENT SYSTEMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201782
Business Type: 6HK15
EPA Id Number: Not reported
APN: 438-011-17-00
Last HMMD Inspection: 01/11/2006
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: ALPHA TRUST CHIROPRACTIC
Facility Address: 7840 MISSION CENTER CT. #105
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 201782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: HAULER: FIXER TREATMENT SYSTEMS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

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35 **MAXIM HEALTHCARE SERVICES** **CA San Diego Co. HMMD** **S109279520**
7851 MISSION CENTER CT **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 208214
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-011-19-00
Last HMMD Inspection: 08/13/2010
Permit Status: SUSP
Permit Expiration: 09/30/2012

MAXIM HEALTHCARE SERVICES (Continued) **S109279520**

Facility Owner:	GARRETT GOAD
Facility Address:	7851 MISSION CENTER CT #112
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	208214
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	208214
Update Date:	11/02/2012
Inspection Date:	08/13/2010
Violation Code:	6HV4312
Violation:	LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation:	Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity:	SUSP

Facility Id:	208214
Update Date:	11/02/2012
Inspection Date:	08/13/2010
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	SUSP

Facility Id:	208214
Update Date:	11/02/2012
Inspection Date:	08/13/2010
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	SUSP

35 **1508 BROOKHOLLOW LLC** **CA HAZNET** **S117292148**
7851 MISSION CENTER CT STE 200 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117292148
Year:	2013
GEPAID:	CAC002730705
Contact:	MEHRAN SABERI
Telephone:	6192007775
Mailing Name:	Not reported
Mailing Address:	7851 MISSION CENTER CT STE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921081327
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	Not reported

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35 **MISSION CENTER TEXACO** **CA UST** **U003789322**
5465 MISSION CENTER RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

UST:

Facility ID:	H12154
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.775226
Longitude:	-117.152187

SWEEPS UST:

Status:	Active
Comp Number:	12154
Number:	9
Board Of Equalization:	44-000217
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012154-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	5

Status:	Active
Comp Number:	12154
Number:	9
Board Of Equalization:	44-000217
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported

MISSION CENTER TEXACO (Continued) **U003789322**

SWRCB Tank Id: 37-000-012154-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12154
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012154-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12154
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012154-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12154
Number: 9
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012154-000006
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W

MISSION CENTER TEXACO (Continued) **U003789322**

Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12154
Number: Not reported
Board Of Equalization: 44-000217
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012154-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 208677
Business Type: 6HK29
EPA Id Number: CAL000326811
APN: 438-170-01-00
Last HMMD Inspection: 12/05/2011
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: RULON CO, INC - JOHN RULON
Facility Address: 5465 MISSION CENTER RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: KALKAT INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112154 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 208677
Tank Type: DOUBLE WALL
Additional Id: RT1124 UNLEADED, RT2203, RT3401, RT4471
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1984-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF &

MISSION CENTER TEXACO (Continued) **U003789322**

FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112154 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	208677
Tank Type:	DOUBLE WALL
Additional Id:	RT1124 UNLEADED RT2203, RT3401, RT4471
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REG UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112154 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	208677
Tank Type:	DOUBLE WALL
Additional Id:	RT1121 PREMIUM UNLEADED, RT2203, RT3401, RT4471
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1972-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112154 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	208677
Tank Type:	DOUBLE WALL
Additional Id:	RT1124 UNLEADED, RT2203, RT3401, RT4471
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112154 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	208677
Tank Type:	DOUBLE WALL

MISSION CENTER TEXACO (Continued) **U003789322**

Additional Id:	RT1124, RT3401, RT4471
Capacity Gallons:	550
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	208677
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE 99%, COMPRESSED FLAMMABLE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	208677
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	VORTEX
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	208677
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	208677
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ACID CLEANER (FOR WHEELS)
Other Information:	ALU-BRITE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	208677
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	DIESEL
Other Information:	UNDERGROUND TANK 112154 T005 UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE

MISSION CENTER TEXACO (Continued) **U003789322**

Hazardous Categories 2: Not reported

Facility Id: 208677
Update Date: 11/02/2012
Case Number: Not reported
Name: 97 ZERO
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 208677
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WASTE A/F, COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208677
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112154 T002 UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 208677
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: FROM AUTOS AND PUBLIC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208677
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112154 T003 UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 208677
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: SUPER UNLEADED
Other Information: UNDERGROUND TANK 112154 T004 UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

MISSION CENTER TEXACO (Continued) **U003789322**

Violations Active Permits:

Facility Id:	208677
Update Date:	11/02/2012
Inspection Date:	12/08/2009
Violation Code:	6HV3164
Violation:	MONITOR EQUIP NOT PER MANUF. SPECS
Violation Citation:	All monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer instructions. 2638(a), 2641(j)
Activity:	ACTIVE
Facility Id:	208677
Update Date:	11/02/2012
Inspection Date:	12/04/2007
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	208677
Update Date:	11/02/2012
Inspection Date:	07/09/2008
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	208677
Update Date:	11/02/2012
Inspection Date:	12/19/2008
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	208677
Update Date:	11/02/2012
Inspection Date:	12/05/2011
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	208677
Update Date:	11/02/2012
Inspection Date:	12/05/2011
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	208677
Update Date:	11/02/2012

MISSION CENTER TEXACO (Continued) **U003789322**

Inspection Date: 12/08/2009
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Facility Id: 208677
Update Date: 11/02/2012
Inspection Date: 07/09/2008
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 208677
Update Date: 11/02/2012
Inspection Date: 12/05/2011
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Facility Id: 208677
Update Date: 11/02/2012
Inspection Date: 12/16/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Facility Id: 208677
Update Date: 11/02/2012
Inspection Date: 12/04/2007
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Facility Id: 112154
Business Type: 6HK29
EPA Id Number: CAL000024845
APN: 438-170-01-00
Last HMMD Inspection: 11/16/2006
Permit Status: CHNG
Permit Expiration: 12/31/2007
Facility Owner: EQUILON ENTERPRISES LLC
Facility Address: 20945 S. WILMINGTON AVE
Facility City: CARSON
Facility State: CA
Facility Zip: 90810
UST Owner: EQUILON ENTERPRISES LLC
Handle Regulated Hazmat: Y

MISSION CENTER TEXACO (Continued) **U003789322**

Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112154 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112154
Tank Type: DOUBLE WALL
Additional Id: 1 WASTE OIL
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1992-02-27 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 26
UST Monitor Method: EXTERNAL MONITORING: MONTHLY (MINIMUM) GROUND WATER MONITORING

UST Name: UNDERGROUND TANK 112154 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112154
Tank Type: DOUBLE WALL
Additional Id: RT1124 UNLEADED, RT2203, RT3401
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1984-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 112154 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 112154
Tank Type: DOUBLE WALL
Additional Id: RT1124 UNLEADED RT2203, RT3401
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REG UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1984-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 112154 T004

MISSION CENTER TEXACO (Continued) **U003789322**

Last Update:	2012-11-02 14:17:38
Permit Number:	112154
Tank Type:	DOUBLE WALL
Additional Id:	RT1121 PREMIUM UNLEADED, RT2203, RT3401
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1972-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112154 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112154
Tank Type:	DOUBLE WALL
Additional Id:	RT1124 UNLEADED, RT2203, RT3401
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112154 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	112154
Tank Type:	DOUBLE WALL
Additional Id:	RT1124, RT3401
Capacity Gallons:	550
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1992-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

SAN DIEGO CO. SAM:

Case Number:	H12154-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case

MISSION CENTER TEXACO (Continued) **U003789322**

Date: 6/29/1992
Date Began: 8/24/1989

Case Number: H12154-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 8/30/2001
Date Began: 5/14/1999

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35 **TEXACO/MISSION CENTER 5465** **CA RGA LUST** **S114701076**
5465 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	TEXACO/MISSION CENTER 5465	5465 MISSION CENTER RD
2003	TEXACO/MISSION CENTER 5465	5465 MISSION CENTER RD

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35 **TEXACO STATION** **CA RGA LUST** **S114700845**
5465 MISSION CENTER ROAD **N/A**
SAN DIEGO, CA

RGA LUST:

1994	TEXACO STATION	5465 MISSION CENTER ROAD
1993	TEXACO STATION	5465 MISSION CENTER ROAD
1992	TEXACO STATION	5465 MISSION CENTER ROAD

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35 **TEXACO STATION** **CA RGA LUST** **S114700844**
5465 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	TEXACO STATION	5465 MISSION CENTER RD
2001	TEXACO STATION	5465 MISSION CENTER RD
2000	TEXACO STATION	5465 MISSION CENTER RD
1998	TEXACO STATION	5465 MISSION CENTER RD
1997	TEXACO STATION	5465 MISSION CENTER RD
1996	TEXACO STATION	5465 MISSION CENTER RD
1995	TEXACO STATION	5465 MISSION CENTER RD

35 **MISSION VALLEY SHELL** **CA HAZNET** **S113030618**
5465 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113030618
Year:	2012
GEPAID:	CAL000024845
Contact:	JOHN RULON/OWNER
Telephone:	6192959829
Mailing Name:	Not reported
Mailing Address:	5465 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	1.0842
Facility County:	San Diego

envid:	S113030618
Year:	2012
GEPAID:	CAL000024845
Contact:	JOHN RULON/OWNER
Telephone:	6192959829
Mailing Name:	Not reported
Mailing Address:	5465 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	1.0842
Facility County:	San Diego

envid:	S113030618
Year:	2012
GEPAID:	CAL000024845
Contact:	JOHN RULON/OWNER
Telephone:	6192959829
Mailing Name:	Not reported
Mailing Address:	5465 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	1.0842
Facility County:	San Diego

envid:	S113030618
Year:	2009
GEPAID:	CAL000024845

MISSION VALLEY SHELL (Continued) **S113030618**

Contact:	JOHN RULON/OWNER
Telephone:	6192959829
Mailing Name:	Not reported
Mailing Address:	5465 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Not reported
Tons:	0.756
Facility County:	San Diego

envid:	S113030618
Year:	2009
GEPAID:	CAL000024845
Contact:	JOHN RULON/OWNER
Telephone:	6192959829
Mailing Name:	Not reported
Mailing Address:	5465 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Not reported
Tons:	0.756
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
25 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **MISSION CENTER TEXACO** **CA LUST** **S102438809**
5465 MISSION CENTER RD **CA EMI** **N/A**
SAN DIEGO, CA 92108

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1516
Local Case:	H12154-001
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	08/24/1989
Date Stopped:	08/28/1989
Confirm Date:	08/31/1989
Submit Workplan:	Not reported
Prelim Assess:	03/07/1990
Desc Pollution:	Not reported

MISSION CENTER TEXACO (Continued) **S102438809**

Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/24/1989
Enforce Date: Not reported
Closed Date: 6/18/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: Not reported
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT4042
Local Case: H12154-002
Substance: 0
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 03/15/2000
Date Stopped: / /
Confirm Date: / /
Submit Workplan: 4/10/00
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 03/15/2000
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

MISSION CENTER TEXACO (Continued) **S102438809**

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD

MISSION CENTER TEXACO (Continued) **S102438809**

SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.96
Reactive Organic Gases Tons/Yr:	1.96
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.96
Reactive Organic Gases Tons/Yr:	1.96
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.72
Reactive Organic Gases Tons/Yr:	1.72

MISSION CENTER TEXACO (Continued) **S102438809**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.72
Reactive Organic Gases Tons/Yr:	1.72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.72
Reactive Organic Gases Tons/Yr:	1.72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.72
Reactive Organic Gases Tons/Yr:	1.72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

MISSION CENTER TEXACO (Continued) **S102438809**

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.72
Reactive Organic Gases Tons/Yr:	1.72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.72
Reactive Organic Gases Tons/Yr:	1.72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	4653
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.72
Reactive Organic Gases Tons/Yr:	1.72
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

35 **MISSION CENTER TEXACO** **CA RGA LUST** **S114651819**
5465 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2011	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2010	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2009	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2008	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2007	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2007	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2006	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2005	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2002	MISSION CENTER TEXACO	5465 MISSION CENTER RD
2001	MISSION CENTER TEXACO	5465 MISSION CENTER RD

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35 **TEXACO/MISSION CENTER RD** **CA RGA LUST** **S114701077**
5465 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	TEXACO/MISSION CENTER RD	5465 MISSION CENTER RD
2003	TEXACO/MISSION CENTER RD	5465 MISSION CENTER RD

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35 **MISSION CENTER TEXACO SERV** **EDR US Hist Auto Stat** **1008999638**
5465 MISSION CENTER RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name: LERCH ROY TEXACO SERVICE
Year: 1975
Type: GASOLINE STATIONS

Name: MISSION CENTER TEXACO SERV
Year: 1980
Type: GASOLINE STATIONS

Name: MISSION CENTER TEXACO SERV
Year: 1984
Type: GASOLINE STATIONS

Name: MISSION CENTER TEXACO CAR W
Year: 1999
Address: 5465 MISSION CENTER RD

Name: MISSION CENTER TEXACO CAR W
Year: 2000
Address: 5465 MISSION CENTER RD

Name: MISSION CTR TEXACO
Year: 2001
Address: 5465 MISSION CENTER RD

Name: MISSION CTR TEXACO

MISSION CENTER TEXACO SERV (Continued) **1008999638**

Year: 2002
Address: 5465 MISSION CENTER RD

Name: MIRAMAR TEXACO
Year: 2003
Address: 5465 MISSION CENTER RD

Name: MISSION VALLEY SHELLCAR WASH
Year: 2010
Address: 5465 MISSION CENTER RD

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35 **TEXACO SERVICE STATION** **RCRA-SQG 1004676769**
5465 MISSION CENTER **FINDS CAR000089276**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 01/02/2001
Facility name: TEXACO SERVICE STATION
Facility address: 5465 MISSION CENTER
S A P NO 121801
SAN DIEGO, CA 92108
EPA ID: CAR000089276
Mailing address: P O BOX 2099
HOUSTON, TX 77252
Contact: SONDRA BIENVENU
Contact address: P O BOX 2099 T S P 1501
HOUSTON, TX 77252
Contact country: US
Contact telephone: (713) 241-5036
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: EQUILON ENTERPRISES
Owner/operator address: P O BOX 2099
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

TEXACO SERVICE STATION (Continued) **1004676769**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/16/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110059750513

Environmental Interest/Information System
STATE MASTER

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35 **FUEL OIL POLISHING CO SD THE** **RCRA-SQG 1000274707**
7850 MISSION CENTER CT #202 **FINDS CAD981979743**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 04/14/1987
Facility name: FUEL OIL POLISHING CO SD THE
Facility address: 7850 MISSION CENTER CT #202
SAN DIEGO, CA 92108
EPA ID: CAD981979743
Mailing address: MISSION CENTER CT #202
SAN DIEGO, CA 92108
Contact: ENVIRONMENTAL MANAGER
Contact address: 7850 MISSION CENTER CT #202
SAN DIEGO, CA 92108
Contact country: US
Contact telephone: (619) 260-1068
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

FUEL OIL POLISHING CO SD THE (Continued) **1000274707**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PETER ROZOK
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002763046

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

35 **MOSSUTO CHIROPRACTIC CENTER** **CA San Diego Co. HMMD** **S106060171**
7850 MISSION CENTER CT **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102626
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-011-16-00
Last HMMD Inspection:	01/27/2006
Permit Status:	INAC
Permit Expiration:	01/31/2008
Facility Owner:	DR. MARK MOSSUTO, D.C.
Facility Address:	7850 MISSION CENTER CT #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **STUART T TANI DDS PDC** **CA HAZNET** **S113067654**
5638 MISSION CENTER RD_STE 104 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113067654
Year:	1995
GEPAID:	CAL000120383
Contact:	STUART T TANI
Telephone:	6192937176
Mailing Name:	Not reported
Mailing Address:	5638 MISSION CENTER RD STE 104
Mailing City,St,Zip:	SAN DIEGO, CA 921084348
Gen County:	Not reported
TSD EPA ID:	CAL920973155
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0416
Facility County:	San Diego

envid:	S113067654
Year:	1994
GEPAID:	CAL000120383
Contact:	STUART T TANI
Telephone:	6192937176
Mailing Name:	Not reported
Mailing Address:	5638 MISSION CENTER RD STE 104
Mailing City,St,Zip:	SAN DIEGO, CA 921084348
Gen County:	Not reported
TSD EPA ID:	CAL920973155
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0666

STUART T TANI DDS PDC (Continued) **S113067654**

Facility County: San Diego

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35 **TEXACO** **CA HIST UST** **U001572772**
5465 MISSION CENTER & FRIARS **N/A**
SAN DIEGO, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000016085
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	JOHN C. RUION
Telephone:	6192959829
Owner Name:	TEXACO U.S.A.
Owner Address:	3350 WILSHIRE BLVD.
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1972
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1972
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	1972
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	004
Container Num:	4
Year Installed:	1972
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

35 **MISSION CENTER TEXACO** **CA HIST CORTESE** **S104575938**
5465 MISSION CENTER RD **CA LUST** **N/A**
SAN DIEGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1516

LUST:

Region:	STATE
Global Id:	T0607300336
Latitude:	32.7736719425207
Longitude:	-117.153638005257
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/29/1992
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1516
LOC Case Number:	H12154-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300336
Status:	Open - Case Begin Date
Status Date:	08/24/1989

Global Id:	T0607300336
Status:	Completed - Case Closed
Status Date:	06/29/1992

Regulatory Activities:

Global Id:	T0607300336
Action Type:	Other
Date:	08/24/1989
Action:	Leak Began

Global Id:	T0607300336
Action Type:	Other
Date:	08/24/1989
Action:	Leak Discovery

Global Id:	T0607300336
Action Type:	Other
Date:	08/28/1989
Action:	Leak Stopped

Global Id:	T0607300336
Action Type:	ENFORCEMENT
Date:	09/14/1989
Action:	Notice of Responsibility

MISSION CENTER TEXACO (Continued) **S104575938**

Global Id:	T0607300336
Action Type:	Other
Date:	08/31/1989
Action:	Leak Reported

Region:	STATE
Global Id:	T0607399067
Latitude:	32.773799
Longitude:	-117.15394
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/05/2011
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	JS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT4042
LOC Case Number:	H12154-002
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Historically there was a case opened on this site in 1989 (H12154-00). This case was related to the waste oil tank removed in 1984. The case was subsequently closed in 1992 following corrective action. In May 1999, a limited site investigation (Phase II Investigation) was completed as part of a due diligence activity. This work consisted of drilling a total of eight soil boring, and analysis of 25-soil samples. The soil sample result indicated there had been a release from the operating gasoline underground storage tank (UST) system. The current case, H12154-002. was opened based on this investigation. Between March of 2001 and November of 2008, ten groundwater monitoring wells were installed and three additional soil borings were advanced. Also between 2001 and 2005 the UST system went through several system upgrades to meet changing regulatory requirements. Additional soil sampling was completed relate to some of this work. The site assessment activities and the UST system upgrade testing provided sufficient information to define the extent to soil impacts on-site. The consultant has estimated that there was a total of 1,394 cubic yards of impacted soil in the areas of the USTs system (refer to Figure 6 of the Updated Site Conceptual Model (SCM), Additional Site Assessment Report and Corrective Action Plan (CAP) dated April 15, 2009). Since approximately 109 cubic yards of soils were removed from the site as part of the UST system upgrades, there is approximately 1,285 cubic yards of impacted soil with greater than 100 mg/kg total petroleum hydrocarbons remaining on-site. Between April 2001 and January 2010 groundwater was monitored and sampled. The groundwater monitoring demonstrated that groundwater flow is to the southwest at a gradient of 0.001 to 0.002. The groundwater monitoring has defined the dissolved plume with the leading edge of the plume extending approximately 200 feet southwest of the site, beneath Mission Center Road. Currently the mass of the dissolved impacts are limited to the site. In November 2003, a dual-phase extraction (DPE) test was conducted at the site. The test was run for 6.5 hours. The test removed an estimated 168 pounds of hydrocarbons and 60 gallons of water. The consultant concluded that DPE would be an effective remedial alterative for the site. Further site investigation was completed between 2004 and 2008 to update the

MISSION CENTER TEXACO (Continued) **S104575938**

site conceptual model. The current SCM is presented in the April 15, 2009 CAP. Trend analysis and environmental fate and transport modeling were used to evaluate natural attenuation of the dissolved plume and a vapor health risk analysis was completed to evaluate potential health risk to the occupants of the service station building. The consultant has concluded that the trend analysis and environmental fate and transport modeling have demonstrated the dissolved plume is stable in aerial extend and the concentration are decreasing overtime. They have estimated that benzene will reach it primary maximum contaminant level (1 ug/l) by 2029, MTBE will reach it secondary maximum contaminant level (5 ug/l) by 2015, and TBA will reach its California Action Level (12 ug/l) by 2040. They have also concluded that the residual-dissolved phase contaminants do not pose a risk to human health, nearby receptors, and/or the environment. According to the City of San Diego Water Department there are no plans to install water supply wells in the vicinity. Based on available data, DEH concurs with the consultants conclusions.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607399067
Contact Type:	Local Agency Caseworker
Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607399067
Status:	Open - Site Assessment
Status Date:	05/18/2009
Global Id:	T0607399067
Status:	Completed - Case Closed
Status Date:	07/05/2011
Global Id:	T0607399067
Status:	Open - Case Begin Date
Status Date:	05/14/1999
Global Id:	T0607399067
Status:	Open - Remediation
Status Date:	08/30/2001

Regulatory Activities:

Global Id:	T0607399067
Action Type:	ENFORCEMENT
Date:	07/05/2011
Action:	Closure/No Further Action Letter
Global Id:	T0607399067
Action Type:	Other
Date:	05/14/1999
Action:	Leak Began

MISSION CENTER TEXACO (Continued) **S104575938**

Global Id: T0607399067
Action Type: ENFORCEMENT
Date: 04/12/2011
Action: Notice of Responsibility

Global Id: T0607399067
Action Type: ENFORCEMENT
Date: 04/12/2011
Action: Notification - Preclosure

Global Id: T0607399067
Action Type: ENFORCEMENT
Date: 11/05/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399067
Action Type: Other
Date: 05/14/1999
Action: Leak Discovery

Global Id: T0607399067
Action Type: RESPONSE
Date: 05/07/2010
Action: CAP/RAP - Other Report

Global Id: T0607399067
Action Type: RESPONSE
Date: 04/25/2011
Action: Monitoring Report - Quarterly

Global Id: T0607399067
Action Type: ENFORCEMENT
Date: 04/12/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399067
Action Type: Other
Date: 05/14/1999
Action: Leak Stopped

Global Id: T0607399067
Action Type: ENFORCEMENT
Date: 04/10/2000
Action: Notice of Responsibility

Global Id: T0607399067
Action Type: Other
Date: 05/14/1999
Action: Leak Reported

Global Id: T0607399067
Action Type: ENFORCEMENT
Date: 09/09/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399067
Action Type: ENFORCEMENT

MISSION CENTER TEXACO (Continued) **S104575938**

Date: 07/14/2009
Action: Letter - Notice

Global Id: T0607399067
Action Type: RESPONSE
Date: 04/15/2009
Action: CAP/RAP - Other Report

Global Id: T0607399067
Action Type: ENFORCEMENT
Date: 10/15/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607399067
Action Type: RESPONSE
Date: 04/21/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399067
Action Type: RESPONSE
Date: 07/07/2009
Action: Monitoring Report - Quarterly

Global Id: T0607399067
Action Type: RESPONSE
Date: 10/26/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607399067
Action Type: RESPONSE
Date: 03/21/2010
Action: Monitoring Report - Semi-Annually

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35 **AKB PETROLEUM DBA (MISSION VALLEY MOBIL)** **CA HAZNET** **S113145937**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113145937
Year: 2013
GEPAID: CAL000315449
Contact: ADEEB BRIKHO EDDY
Telephone: 6192971534
Mailing Name: Not reported
Mailing Address: 5494 MISSION CENTER RD
Mailing City,St,Zip: SAN DIEGO, CA 921081334
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.126
Facility County: Not reported

envid: S113145937
Year: 2009

AKB PETROLEUM DBA (MISSION VALLEY MOBIL) (Continued) **S113145937**

GEPAID:	CAL000315449
Contact:	ADEEB BRLKHO (EDDY)
Telephone:	6192971534
Mailing Name:	Not reported
Mailing Address:	5494 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.034
Facility County:	San Diego

envid:	S113145937
Year:	2009
GEPAID:	CAL000315449
Contact:	ADEEB BRLKHO (EDDY)
Telephone:	6192971534
Mailing Name:	Not reported
Mailing Address:	5494 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	San Diego

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35 **MISSION VALLEY MOBIL** **CA HAZNET** **S113045415**
5494 MISSION CTR RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113045415
Year:	1996
GEPAID:	CAL000060986
Contact:	JANE & PAUL DARBY
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	5494 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified sludge waste
Disposal Method:	Recycler
Tons:	.2293
Facility County:	San Diego

35 **MOBIL STATION #18-G6F** **CA HAZNET** **S113043397**
5494 MISSION CENTER ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113043397
Year:	2000
GEPAID:	CAL000055901
Contact:	INACTIVE DUP NUM IN BLK LOGBK
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	5494 MISSION CENTER ROAD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Treatment, Tank
Tons:	0.27
Facility County:	San Diego

envid:	S113043397
Year:	1999
GEPAID:	CAL000055901
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	5494 MISSION CENTER ROAD
Mailing City,St,Zip:	SAN DIEGO, CA 000000000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Treatment, Tank
Tons:	.0125
Facility County:	San Diego

envid:	S113043397
Year:	1995
GEPAID:	CAL000055901
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	5494 MISSION CENTER ROAD
Mailing City,St,Zip:	SAN DIEGO, CA 000000000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Treatment, Tank
Tons:	.5712
Facility County:	San Diego

envid:	S113043397
Year:	1994
GEPAID:	CAL000055901
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported

MOBIL STATION #18-G6F (Continued) **S113043397**

Mailing Address: 5494 MISSION CENTER ROAD
Mailing City,St,Zip: SAN DIEGO, CA 000000000
Gen County: Not reported
TSD EPA ID: CAD98409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Treatment, Tank
Tons: .5421
Facility County: San Diego

envid: S113043397
Year: 1994
GEPAID: CAL000055901
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 5494 MISSION CENTER ROAD
Mailing City,St,Zip: SAN DIEGO, CA 000000000
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .8422
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **EXXONMOBIL OIL CORPORATION #12721** **CA HAZNET** **S113043350**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113043350
Year: 2011
GEPAID: CAL000055851
Contact: DONNA HYMES/HAZARDOUS WASTE COOR
Telephone: 6104308151
Mailing Name: Not reported
Mailing Address: 800 E WASHINGTON ST
Mailing City,St,Zip: WEST CHESTER, PA 193800000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.7089
Facility County: San Diego

envid: S113043350
Year: 2011
GEPAID: CAL000055851
Contact: DONNA HYMES/HAZARDOUS WASTE COOR
Telephone: 6104308151
Mailing Name: Not reported
Mailing Address: 800 E WASHINGTON ST

EXXONMOBIL OIL CORPORATION #12721 (Continued) **S113043350**

Mailing City,St,Zip:	WEST CHESTER, PA 193800000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.7089
Facility County:	San Diego

envid:	S113043350
Year:	2010
GEPAID:	CAL000055851
Contact:	DONNA HYMES
Telephone:	6104308151
Mailing Name:	Not reported
Mailing Address:	800 E WASHINGTON ST
Mailing City,St,Zip:	WEST CHESTER, PA 193800000
Gen County:	Not reported
TSD EPA ID:	TXD000838896
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.01
Facility County:	San Diego

envid:	S113043350
Year:	2010
GEPAID:	CAL000055851
Contact:	DONNA HYMES
Telephone:	6104308151
Mailing Name:	Not reported
Mailing Address:	800 E WASHINGTON ST
Mailing City,St,Zip:	WEST CHESTER, PA 193800000
Gen County:	Not reported
TSD EPA ID:	TXD000838896
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.01
Facility County:	San Diego

envid:	S113043350
Year:	2008
GEPAID:	CAL000055851
Contact:	DALE VIATOR, ENVT'L ADVISOR
Telephone:	2816548470
Mailing Name:	Not reported
Mailing Address:	882 S MATLACK ST SUITE C
Mailing City,St,Zip:	WEST CHESTER, PA 193820000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.03753

EXXONMOBIL OIL CORPORATION #12721 (Continued) **S113043350**

Facility County: San Diego

Click this hyperlink while viewing on your computer to access
47 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **MOBIL #18 G6F 12721** **FINDS** **1006826356**
5494 MISSION CENTER RD **CA EMI** **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110013854221

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD

MOBIL #18 G6F 12721 (Continued) **1006826356**

SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.7335878
Reactive Organic Gases Tons/Yr:	1.7335878

MOBIL #18 G6F 12721 (Continued) **1006826356**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.7335878
Reactive Organic Gases Tons/Yr:	1.7335878
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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35 **MISSION VALLEY SERVICE** **EDR US Hist Auto Stat** **1008998044**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	MISSION VALLEY SERVICE
Year:	1975
Type:	GASOLINE STATIONS
Name:	N MISSION VALLEY SERVICE
Year:	1980
Type:	GASOLINE STATIONS
Name:	MISSION VALLEY SERVICE
Year:	1984
Type:	GASOLINE STATIONS
Name:	MOBIL OIL CORPORATION SERVICE STATIONS
Year:	1999
Address:	5494 MISSION CENTER RD
Name:	MISSION VALLEY MOBIL
Year:	2000
Address:	5494 MISSION CENTER RD
Name:	MISSION VALLEY MOBIL
Year:	2001
Address:	5494 MISSION CENTER RD
Name:	MISSION VALLEY MOBIL
Year:	2002
Address:	5494 MISSION CENTER RD
Name:	MISSION VALLEY MOBIL
Year:	2003

MISSION VALLEY SERVICE (Continued) **1008998044**

Address: 5494 MISSION CENTER RD

Name: COMPLETE AUTO NEEDS
Year: 2004
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2005
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2006
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2007
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2008
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2009
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2010
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2011
Address: 5494 MISSION CENTER RD

Name: MISSION VALLEY MOBIL
Year: 2012
Address: 5494 MISSION CENTER RD

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35 **CA CHMIRS** **S105666959**
N/A

5494 MISSION CENTER RD.
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	00-2808
OES notification:	06/23/2000
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported

(Continued) **S105666959**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	Tankology, Mobil Oil Co.
Incident Date:	6/23/200012:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Unknown
Site Type:	Service Station
E Date:	Not reported
Substance:	TRPH
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A soil sample was taken at a service station during reconstruction.

35 **MOBIL #18 G6F 12721**
5494 MISSION CENTER RD
SAN DIEGO, CA 92108

CA LUST **S101302093**
CA SWEEPS UST **N/A**
CA San Diego Co. HMMD
CA EMI

LUST REG 9:

Region:	9
Status:	Pollution Characterization
Case Number:	9UT1039
Local Case:	H13029-001
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	09/08/1988
Date Stopped:	09/08/1988
Confirm Date:	09/09/1988
Submit Workplan:	Not reported
Prelim Assess:	09/12/1988
Desc Pollution:	4/27/93
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/12/1988
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	12'
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2A
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	13029
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013029-000005
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P

MOBIL #18 G6F 12721 (Continued) **S101302093**

Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 13029
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013029-000006
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13029
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013029-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13029
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013029-000008
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13029
Number: Not reported

MOBIL #18 G6F 12721 (Continued) **S101302093**

Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013029-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	13029
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013029-000002
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13029
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013029-000003
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13029
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013029-000004

MOBIL #18 G6F 12721 (Continued) **S101302093**

Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	113029
Business Type:	6HK29
EPA Id Number:	CAL000315449
APN:	438-011-14-00
Last HMMD Inspection:	01/10/2012
Permit Status:	SUSP
Permit Expiration:	12/31/2012
Facility Owner:	GILBARCO, INC
Facility Address:	7300 W FRIENDLY AVE
Facility City:	GREENSBORO
Facility State:	NC
Facility Zip:	27420-2087
UST Owner:	MOBIL OIL CORP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113029 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-09 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 113029 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-09 00:00:00

MOBIL #18 G6F 12721 (Continued) **S101302093**

Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113029 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-09 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113029 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-08-09 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113029 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	DOUBLE WALL
Additional Id:	RT1438 UNLEADED, RT4206
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF

MOBIL #18 G6F 12721 (Continued) **S101302093**

UST Name:	UNDERGROUND TANK 113029 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	DOUBLE WALL
Additional Id:	RT1438, RT4206
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113029 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	DOUBLE WALL
Additional Id:	RT1438 PREMIUM UNLEADED, RT3588, RT4206
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 113029 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	113029
Tank Type:	DOUBLE WALL
Additional Id:	RT1057 WASTE OILRT3842
Capacity Gallons:	550
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	113029
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING: MOTOR OIL
Other Information:	Not reported

MOBIL #18 G6F 12721 (Continued) **S101302093**

Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	113029
Update Date:	11/02/2012
Case Number:	8006619
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 113029 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	113029
Update Date:	11/02/2012
Case Number:	8006619
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 113029 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	113029
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	VORTEX IS HAULER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	113029
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	USED ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	113029
Update Date:	11/02/2012
Case Number:	8006619
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 113029 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	113029
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information:	FUEL SUMP WATER W/GAS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

MOBIL #18 G6F 12721 (Continued) **S101302093**

Facility Id: 113029
Update Date: 11/02/2012
Case Number: Not reported
Name: ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 113029
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: UNDERGROUND TANK 113029 T008
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 113029
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/COOLANT - RECYCLED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 03/16/2004
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 02/21/2007
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 01/29/2010
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012

MOBIL #18 G6F 12721 (Continued) **S101302093**

Inspection Date:	01/20/2011
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	03/16/2004
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	03/22/2005
Violation Code:	6HV3160
Violation:	UST SYSTEM REPAIRS NOT PROPERLY DONE
Violation Citation:	UST system repair(s) not completed properly. 25292.1(c); 2660 (a)(k)(l)(m)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	03/22/2005
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632

MOBIL #18 G6F 12721 (Continued) **S101302093**

Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	03/16/2004
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/29/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	SUSP

MOBIL #18 G6F 12721 (Continued) **S101302093**

Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	03/16/2006
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	SUSP

Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	SUSP

Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/20/2011
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	SUSP

Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	SUSP

Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/22/2008
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	SUSP

Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/20/2011
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	SUSP

Facility Id:	113029
Update Date:	11/02/2012

MOBIL #18 G6F 12721 (Continued) **S101302093**

Inspection Date: 01/14/2009
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 01/14/2009
Violation Code: 6HV3101
Violation: UPF PERMIT NOT CURRENT/ONSITE
Violation Citation: Current UPF permit not obtained/not available. 25284; 68.905, 68.1003, 68.1005
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 03/16/2004
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 01/22/2008
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 01/20/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 02/26/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: SUSP

Facility Id: 113029
Update Date: 11/02/2012
Inspection Date: 03/16/2004
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)

MOBIL #18 G6F 12721 (Continued) **S101302093**

Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	03/22/2005
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	02/21/2007
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	SUSP
Facility Id:	113029
Update Date:	11/02/2012
Inspection Date:	01/14/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	SUSP

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64
Reactive Organic Gases Tons/Yr:	1.64
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64

MOBIL #18 G6F 12721 (Continued) **S101302093**

Reactive Organic Gases Tons/Yr:	1.64
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64
Reactive Organic Gases Tons/Yr:	1.64
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.6399999999999999
Reactive Organic Gases Tons/Yr:	1.6399999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.6399999999999999
Reactive Organic Gases Tons/Yr:	1.6399999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

MOBIL #18 G6F 12721 (Continued) **S101302093**

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64
Reactive Organic Gases Tons/Yr:	1.64
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	4215
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.64
Reactive Organic Gases Tons/Yr:	1.64
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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35 **MOBIL SERVICE STATION #18-G6F** **CA HIST CORTESE** **S100178890**
5494 MISSION CENTER **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA Notify 65**
CA San Diego Co. HMMD

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1039

LUST:

Region:	STATE
Global Id:	T0607300054
Latitude:	32.773978655005
Longitude:	-117.154410481453
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/19/2011
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT1039

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

LOC Case Number: H13029-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
Site History: On September 8, 1988, the Department of Environmental Health (DEH) directed soil sampling associated with the replacement of four gasoline and used oil underground storage tanks (USTs). The DEH inspector observed indications that a release of hydrocarbons had occurred. Approximately 720 cubic yards of hydrocarbon-impacted soil were excavated from the used oil UST excavation. DEH subsequently opened unauthorized release case H13029-001 and requested that hydrocarbon impacts be assessed. As a result, several monitoring wells and borings were installed at the site to assess sorbed- and dissolved-phase hydrocarbons. Hydrocarbon-impacted soil was primarily observed in the central and western portions of the site with concentrations of total petroleum hydrocarbons as gasoline and benzene detected as high as 5,500 and 20 milligrams per kilogram, respectively. Dissolved-phase and liquid-phase hydrocarbons (LPH) have historically been observed in the central and western to southwestern portions of the site. LPH, while observed historically, never reached a measurable thickness and has not been observed at the site since 1999, approximately 12 years ago. Concentrations of dissolved-phase benzene and MTBE were detected up to a maximum of 4,700 and 1,040 micrograms per liter, respectively. Numerous groundwater sampling activities indicated that dissolved-phase hydrocarbon impacts were generally confined to the site boundaries. A natural attenuation evaluation was conducted at the site. Based on trend analysis conducted with site specific data, the consultant determined that natural attenuation is an effective mitigation strategy and estimates that MTBE will reach the secondary maximum contaminant level (MCL) of 5 micrograms per liter within approximately 11 years or by the year 2022. Benzene is estimated to reach the primary MCL of 1 microgram per liter within approximately 41 years or by the year 2052. A soil vapor probe was installed immediately beneath the station building slab to evaluate the potential vapor risk to onsite building occupants. Direct measurement of soil gas indicated that constituents of concern were not present beneath the structure at levels above the laboratory reporting limit. The subsequent vapor risk evaluation conducted with a contaminant value of half the laboratory reporting limit indicated an acceptable level of risk of less than one in a million for the existing commercial site use. The City of San Diego is the local water purveyor and has indicated that they are evaluating potential groundwater use within the Mission Valley Aquifer. However, at this time, the details of any future groundwater development in the vicinity of this site are not clear. As a result, DEH is closing the unauthorized release case for this site. The City of San Diego has reviewed documents associated with this case and is aware of the existing site conditions. Should additional information be provided to DEH which indicates there is a reasonable potential for health impacts to exist or emerge in the near future, as judged by DEH or the Regional Water Quality Control Board, this case will be reopened and appropriate actions will be required of the responsible party to mitigate such risks. A receptor pathway evaluation conducted by the consultant did not identify any complete pathways which could potentially impact human health or the environment based on existing information. The consultant prepared a corrective action plan for the

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

site and notified the public, including surrounding property owners and other interested parties, of the recommendation to implement natural attenuation and close the associated DEH case. Based on the provided data, DEH agrees with the consultants recommendation for no further action at this time.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300054
Contact Type:	Local Agency Caseworker
Contact Name:	KEITH KEZER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	keith.kezer@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607300054
Status:	Open - Verification Monitoring
Status Date:	03/27/1989
Global Id:	T0607300054
Status:	Completed - Case Closed
Status Date:	07/19/2011
Global Id:	T0607300054
Status:	Open - Case Begin Date
Status Date:	09/09/1988
Global Id:	T0607300054
Status:	Open - Remediation
Status Date:	03/27/1989

Regulatory Activities:

Global Id:	T0607300054
Action Type:	ENFORCEMENT
Date:	12/21/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300054
Action Type:	ENFORCEMENT
Date:	03/09/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300054
Action Type:	ENFORCEMENT
Date:	03/10/2010
Action:	Notification - Public Participation Document
Global Id:	T0607300054
Action Type:	Other
Date:	09/09/1988
Action:	Leak Began
Global Id:	T0607300054

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

Action Type:	ENFORCEMENT
Date:	06/15/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607300054
Action Type:	RESPONSE
Date:	09/27/2010
Action:	Other Report / Document
Global Id:	T0607300054
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Other Report / Document
Global Id:	T0607300054
Action Type:	RESPONSE
Date:	01/30/2010
Action:	Other Report / Document
Global Id:	T0607300054
Action Type:	RESPONSE
Date:	04/30/2010
Action:	Other Report / Document
Global Id:	T0607300054
Action Type:	RESPONSE
Date:	05/03/2010
Action:	CAP/RAP - Other Report
Global Id:	T0607300054
Action Type:	RESPONSE
Date:	04/30/2011
Action:	Other Report / Document
Global Id:	T0607300054
Action Type:	Other
Date:	09/09/1988
Action:	Leak Discovery
Global Id:	T0607300054
Action Type:	RESPONSE
Date:	01/20/2011
Action:	Other Report / Document
Global Id:	T0607300054
Action Type:	REMEDIATION
Date:	02/10/1989
Action:	Excavation
Global Id:	T0607300054
Action Type:	REMEDIATION
Date:	12/12/2010
Action:	Monitored Natural Attenuation
Global Id:	T0607300054
Action Type:	ENFORCEMENT
Date:	07/19/2011

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

Action: Closure/No Further Action Letter

Global Id: T0607300054
Action Type: Other
Date: 09/09/1988
Action: Leak Stopped

Global Id: T0607300054
Action Type: ENFORCEMENT
Date: 09/09/1988
Action: Notice of Responsibility

Global Id: T0607300054
Action Type: Other
Date: 09/09/1988
Action: Leak Reported

Global Id: T0607300054
Action Type: RESPONSE
Date: 12/01/2009
Action: Other Report / Document

Global Id: T0607300054
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607300054
Action Type: RESPONSE
Date: 09/16/2009
Action: CAP/RAP - Other Report

Global Id: T0607300054
Action Type: RESPONSE
Date: 10/01/2009
Action: Correspondence

Global Id: T0607300054
Action Type: ENFORCEMENT
Date: 10/19/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300054
Action Type: ENFORCEMENT
Date: 09/22/2009
Action: Referral to Regional Board

Global Id: T0607300054
Action Type: ENFORCEMENT
Date: 06/11/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607300054
Action Type: ENFORCEMENT
Date: 06/11/2009
Action: Technical Correspondence / Assistance / Other

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

Global Id: T0607300054
Action Type: RESPONSE
Date: 07/30/2010
Action: Other Report / Document

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92108-1334

SAN DIEGO CO. HMMD:
Facility Id: 216839
Business Type: 6HK29
EPA Id Number: CAL000315449
APN: 438-011-14-00
Last HMMD Inspection: Not reported
Permit Status: TEMP
Permit Expiration: 08/31/2013
Facility Owner: A K B PETROLEUM, INC
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113029 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 216839
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1988-08-09 00:00:00
Year Installed: 1971-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 113029 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 216839
Tank Type: SINGLE WALL

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

Additional Id:	2
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-09 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113029 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	216839
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-09 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113029 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	216839
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-08-09 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113029 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	216839
Tank Type:	DOUBLE WALL
Additional Id:	RT1438 UNLEADED, RT4206
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 113029 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	216839
Tank Type:	DOUBLE WALL
Additional Id:	RT1438, RT4206
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 113029 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	216839
Tank Type:	DOUBLE WALL
Additional Id:	RT1438 PREMIUM UNLEADED, RT3588, RT4206
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 113029 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	216839
Tank Type:	DOUBLE WALL
Additional Id:	RT1057 WASTE OILRT3842
Capacity Gallons:	550
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

Active Permits:

Facility Id:	216839
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ANTIFREEZE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	216839
Update Date:	11/02/2012
Case Number:	8006619
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 113029 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	216839
Update Date:	11/02/2012
Case Number:	8006619
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 113029 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	216839
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 133 AQUEOUS SOL'N W/ 10% ORG RESID
Other Information:	FUEL SUMP WATER W/GAS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216839
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING: MOTOR OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	216839
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE/COOLANT - RECYCLED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216839
Update Date:	11/02/2012

MOBIL SERVICE STATION #18-G6F (Continued) **S100178890**

Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX IS HAULER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216839
Update Date: 11/02/2012
Case Number: 8006619
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 113029 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 216839
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: UNDERGROUND TANK 113029 T008
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216839
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

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35 **STANLEY FANDEL** **CA HIST UST** **U001572771**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HIST UST:
Region: STATE
Facility ID: 00000039450
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 6192971534
Owner Name: MOBIL OIL CORPORATION
Owner Address: 612 S. FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90017
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported

STANLEY FANDEL (Continued) **U001572771**

Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

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35 **MOBIL OIL STATION #18-G6F** **CA RGA LUST** **S114654167**
5494 MISSION CENTER ROAD **N/A**
SAN DIEGO, CA

RGA LUST:

1993	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER ROAD
1992	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER ROAD

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35 **MOBIL OIL STATION #18-G6F** **CA RGA LUST** **S114654166**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD
2001	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD
2000	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD
1998	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD
1997	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD
1996	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD
1995	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD
1994	MOBIL OIL STATION #18-G6F	5494 MISSION CENTER RD

35 **MISSION VALLEY MOBIL 18-G6F** **CA RGA LUST** **S114652033**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2009	MISSION VALLEY MOBIL 18-G6F	5494 MISSION CENTER RD
2008	MISSION VALLEY MOBIL 18-G6F	5494 MISSION CENTER RD
2007	MISSION VALLEY MOBIL 18-G6F	5494 MISSION CENTER RD
2006	MISSION VALLEY MOBIL 18-G6F	5494 MISSION CENTER RD
2005	MISSION VALLEY MOBIL 18-G6F	5494 MISSION CENTER RD

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35 **MOBIL 18-G6F** **CA RGA LUST** **S114653773**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	MOBIL 18-G6F	5494 MISSION CENTER RD
2011	MOBIL 18-G6F	5494 MISSION CENTER RD
2010	MOBIL 18-G6F	5494 MISSION CENTER RD

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35 **MOBIL** **CA RGA LUST** **S114655670**
5494 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	MOBIL	5494 MISSION CENTER RD
2003	MOBIL	5494 MISSION CENTER RD

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35 **MISSION VALLEY MOBIL 18-G6F** **CA UST** **U003789407**
5494 MISSION CENTER RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

UST:

Facility ID:	H13029
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.775338
Longitude:	-117.153144

SAN DIEGO CO. SAM:

Case Number:	H13029-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	5/9/2005
Date Began:	9/9/1988

35 **GND TECHNOLOGIES INC** **CA San Diego Co. HMMD** **S106060447**
1501 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	104845
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	438-011-40-00
Last HMMD Inspection:	03/17/2000
Permit Status:	INAC
Permit Expiration:	06/30/2000
Facility Owner:	GNB TECHNOLOGIES INC
Facility Address:	1240 E PLAZA BL 604-333
Facility City:	NATIONAL CITY
Facility State:	CA
Facility Zip:	91950-
UST Owner:	ORANGE COAST DEVELOPERS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104845 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104845
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104845 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104845
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

35 **SAN DIEGO YARD** **CA HIST UST** **U001572662**
1501 FRAZEE RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92103 **CA CHMIRS**

HIST UST:

Region:	STATE
Facility ID:	00000014691
Facility Type:	Other
Other Type:	DEVELOPERS
Contact Name:	HARRY DENARDI
Telephone:	6194290330
Owner Name:	ORANGE COAST DEVELOPERS
Owner Address:	3435 VIA LIDO
Owner City,St,Zip:	NEWPORT BEACH, CA 92663
Total Tanks:	0000
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

SWEEPS UST:

Status:	Not reported
Comp Number:	4845
Number:	Not reported
Board Of Equalization:	44-022117
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004845-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	2
Status:	Not reported
Comp Number:	4845
Number:	Not reported
Board Of Equalization:	44-022117
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

SAN DIEGO YARD (Continued) **U001572662**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004845-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

CHMIRS:

OES Incident Number:	97-1620
OES notification:	04/24/1997
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	STORM DRAIN
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	SAN DIEGO WASTEWATER
Incident Date:	4/23/199712:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes

SAN DIEGO YARD (Continued) **U001572662**

Site Type:	Road
E Date:	Not reported
Substance:	SEWAGE
Gallons:	1260
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	POSSIBLE MAIN BREAK CAUSED SPILL.

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35 **CA CHMIRS** **S106399663**

FRIARS RD. & MISSION CENTER RD. **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	03-4167
OES notification:	08/15/2003
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No

(Continued) **S106399663**

Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	City of San Diego
Incident Date:	8/15/200312:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Sewage
Gallons:	315
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Root blockage in pipe caused this release.

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35 **S D COLLEGE DIST-MAINT SERVICE** **CA San Diego Co. HMMD** **S104748099**
1536 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	114089
Business Type:	6HK26
EPA Id Number:	CAD981972714
APN:	438-011-38-00
Last HMMD Inspection:	02/22/2006
Permit Status:	INAC
Permit Expiration:	03/31/2008
Facility Owner:	Not reported
Facility Address:	1536 S FRAZEE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

S D COLLEGE DIST-MAINT SERVICE (Continued) **S104748099**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 114089
Update Date: 11/02/2012
Inspection Date: 02/06/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: Inactive Permit

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35 **FOUNDATION HIGH SCHOOL THE** **FINDS** **1004444729**
1536 FRAZEE RD #200 **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110011492152

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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35 **SAN DIEGO COMMUNITY COLLEGE DISTRICT** **RCRA-SQG** **1000110739**
1536 MURRAY CANYON ROAD **FINDS** **CAD981972714**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 05/08/1987
Facility name: SAN DIEGO COMMTY COLLEGE DIST
Facility address: 1536 MURRAY CANYON RD
SAN DIEGO, CA 92108
EPA ID: CAD981972714
Mailing address: MURRAY CANYON RD
SAN DIEGO, CA 92108
Contact: ENVIRONMENTAL MANAGER
Contact address: 1536 MURRAY CANYON RD
SAN DIEGO, CA 92108
Contact country: US
Contact telephone: (619) 230-2280
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

SAN DIEGO COMMUNITY COLLEGE DISTRICT (Continued) **1000110739**

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	District
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SAN DIEGO COMMTY COLLEGE
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	District
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002760771

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

35 **SAN DIEGO COMMTY COLLEGE DIST** **CA HAZNET** **S113011000**
1536 FRAZEE ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113011000
Year:	2013
GEPAID:	CAD981972714
Contact:	DONN E BETZ MAINT SPRVSR
Telephone:	6193886422
Mailing Name:	Not reported
Mailing Address:	1536 FRAZEE RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.22
Facility County:	Not reported

envid:	S113011000
Year:	2013
GEPAID:	CAD981972714
Contact:	DONN E BETZ MAINT SPRVSR
Telephone:	6193886422
Mailing Name:	Not reported
Mailing Address:	1536 FRAZEE RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	Not reported

envid:	S113011000
Year:	2013
GEPAID:	CAD981972714
Contact:	DONN E BETZ MAINT SPRVSR
Telephone:	6193886422
Mailing Name:	Not reported
Mailing Address:	1536 FRAZEE RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.1
Facility County:	Not reported

envid:	S113011000
Year:	2013
GEPAID:	CAD981972714
Contact:	DONN E BETZ MAINT SPRVSR

SAN DIEGO COMMTY COLLEGE DIST (Continued) **S113011000**

Telephone:	6193886422
Mailing Name:	Not reported
Mailing Address:	1536 FRAZEE RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Facility County:	Not reported

envid:	S113011000
Year:	2013
GEPAID:	CAD981972714
Contact:	DONN E BETZ MAINT SPRVSR
Telephone:	6193886422
Mailing Name:	Not reported
Mailing Address:	1536 FRAZEE RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAD980675276
TSD County:	Kern
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.5
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
71 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **SAN DIEGO MESA COLLEGE** **RCRA-SQG** **1000110737**
7250 MESA COLLEGE DR **FINDS** **CAD981972599**
SAN DIEGO, CA 92111 **CA NPDES**
CA HIST CORTESE
CA SLIC
CA HIST UST
NY MANIFEST
CA SWEEPS UST
CA San Diego Co. HMMD
CA HAZNET
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	05/08/1987
Facility name:	SAN DIEGO MESA COLLEGE
Facility address:	7250 MESA COLLEGE DR SAN DIEGO, CA 92111
EPA ID:	CAD981972599
Contact:	ENVIRONMENTAL MANAGER
Contact address:	7250 MESA COLLEGE DR SAN DIEGO, CA 92111
Contact country:	US
Contact telephone:	(619) 230-2814
Contact email:	Not reported
EPA Region:	09

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Land type: Other land type
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SAN DIEGO COMMTY COLLEGE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: District
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/16/2003
Date achieved compliance: 01/16/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/16/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/16/2004
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110013854007

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 9
Regulatory Measure Id: 445774
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 9 37C369745
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 05/05/2014
PROCESSED DATE: 05/14/2014
STATUS CODE NAME: Active
STATUS DATE: 05/14/2014
PLACE SIZE: 3.3

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Bryan Rasmussen
FACILITY CONTACT TITLE:	Superintendent
FACILITY CONTACT PHONE:	858-228-7903
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	brasmussen@balfourbeattyus.com
OPERATOR NAME:	San Diego Community College District
OPERATOR ADDRESS:	3375 Camino del Rio S
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	David Backensto
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-388-6564
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dbackens@sdccd.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Balfour Beatty Construction
DEVELOPER ADDRESS:	10760 Treena Street
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92131
DEVELOPER CONTACT NAME:	Mark Schull
DEVELOPER CONTACT TITLE:	Project Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	858-228-7903
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	School
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Tecolote Creek, Mission Bay, Pacific Ocean
CERTIFIER NAME:	David Backensto
CERTIFIER TITLE:	real property program supervisor
CERTIFICATION DATE:	05-MAY-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	433480

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C365290
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/02/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	12/18/2012
PROCESSED DATE:	12/21/2012
STATUS CODE NAME:	Terminated
STATUS DATE:	10/02/2014
PLACE SIZE:	2.61
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	David Backensto
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-388-6564
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	dbackens@sdccd.edu
OPERATOR NAME:	San Diego Community College District
OPERATOR ADDRESS:	3375 Camino del Rio S
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	David Backensto
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-388-6564
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dbackens@sdccd.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	San Diego Community College District
DEVELOPER ADDRESS:	3375 Camino del Rio S
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92108
DEVELOPER CONTACT NAME:	David Backensto
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Education/Institution
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Tecelote Creek
CERTIFIER NAME:	David Backensto
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	18-DEC-12
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	410697
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C360887
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/28/2011
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/02/2012
Discharge Name:	San Diego Community College District
Discharge Address:	3375 Camino del Rio S
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	308426
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C343383
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/30/2010
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	08/31/2006
STATUS CODE NAME:	Terminated
STATUS DATE:	07/15/2010
PLACE SIZE:	21.6

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Richard Burkhart
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-388-6546
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	San Diego Community College Dist
OPERATOR ADDRESS:	3375 Camino Del Rio S
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	Richard Burkhart
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-388-6546
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Special District
DEVELOPER NAME:	San Diego Community College Dist
DEVELOPER ADDRESS:	3375 Camino Del Rio S Ste 310
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92108
DEVELOPER CONTACT NAME:	Richard Burkhart
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Institutional
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	445772

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C369910
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	06/02/2014
PROCESSED DATE:	06/04/2014
STATUS CODE NAME:	Active
STATUS DATE:	06/04/2014
PLACE SIZE:	1.53
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Ryan Giddings
FACILITY CONTACT TITLE:	Superintendent
FACILITY CONTACT PHONE:	858-231-3156
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	rgiddings@balfourbeattyus.com
OPERATOR NAME:	San Diego Community College District
OPERATOR ADDRESS:	3375 Camino del Rio S
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	David Backensto
OPERATOR CONTACT TITLE:	Property Agent
OPERATOR CONTACT PHONE:	619-388-6564
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dbackens@sdccd.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	Balfour Beatty Construction
DEVELOPER ADDRESS:	10760 Treena Street
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92131
DEVELOPER CONTACT NAME:	Ryan Giddings
DEVELOPER CONTACT TITLE:	Superintendent
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	School
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Tecolote Creek, Mission Bay, Pacific Ocean
CERTIFIER NAME:	David Backensto
CERTIFIER TITLE:	real property program supervisor
CERTIFICATION DATE:	02-JUN-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	433480
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C365290
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/21/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/02/2014
Discharge Name:	San Diego Community College District
Discharge Address:	3375 Camino del Rio S
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	402071
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C357457
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/26/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/02/2012
Discharge Name:	San Diego Community College District
Discharge Address:	3375 Camino del Rio S
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	402071

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C357457
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/02/2012
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	02/16/2010
PROCESSED DATE:	02/26/2010
STATUS CODE NAME:	Terminated
STATUS DATE:	10/02/2012
PLACE SIZE:	2.4
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Jimmy Ramirez
FACILITY CONTACT TITLE:	Superintendent
FACILITY CONTACT PHONE:	858-571-0433
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	jramirez@pcl.com
OPERATOR NAME:	San Diego Community College District
OPERATOR ADDRESS:	3375 Camino del Rio S
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	David Backensto Backensto
OPERATOR CONTACT TITLE:	Facility Management Property Agent
OPERATOR CONTACT PHONE:	619-388-6546
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dbackens@sdccd.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	San Diego Community College District
DEVELOPER ADDRESS:	3375 Camino del Rio South
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92108
DEVELOPER CONTACT NAME:	David Backensto Backensto
DEVELOPER CONTACT TITLE:	Facility Management Property Agent
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	619-992-5500
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Tecolote Creek
CERTIFIER NAME:	David Backensto
CERTIFIER TITLE:	District Architect
CERTIFICATION DATE:	17-JUN-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	403745
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C358466
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/10/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/21/2013
Discharge Name:	San Diego Community College District
Discharge Address:	3375 Camino del Rio S
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	445772
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C369910
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/04/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Diego Community College District
Discharge Address:	3375 Camino del Rio S
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	445774

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C369745
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/14/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Diego Community College District
Discharge Address:	3375 Camino del Rio S
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	410697
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C360887
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/02/2012
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	02/28/2011
PROCESSED DATE:	04/28/2011
STATUS CODE NAME:	Terminated
STATUS DATE:	10/02/2012
PLACE SIZE:	2.4
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	David Backensto
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-388-6564
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	dbackens@sdccd.edu
OPERATOR NAME:	San Diego Community College District
OPERATOR ADDRESS:	3375 Camino del Rio S
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	David Backensto
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-388-6564
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	dbackens@sdccd.edu
OPERATOR TYPE:	Special District
DEVELOPER NAME:	PCL Construction
DEVELOPER ADDRESS:	4690 Executive Drive Suite 100

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92121
DEVELOPER CONTACT NAME:	Kevin Smart
DEVELOPER CONTACT TITLE:	Project Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	619-481-8364
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Educational Facility
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Tecolote Creek
CERTIFIER NAME:	David Backensto
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	28-FEB-11
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	403745
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C358466
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/21/2013
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	Not reported
PROCESSED DATE:	06/10/2010
STATUS CODE NAME:	Terminated
STATUS DATE:	10/22/2013
PLACE SIZE:	3.62

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Richard Burkhart
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	999-999-9999
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	San Diego Community College District
OPERATOR ADDRESS:	3375 Camino del Rio S
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	David Backensto
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-388-6546
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Special District
DEVELOPER NAME:	McCarthy Construction
DEVELOPER ADDRESS:	6165 Greenwich Dr Ste 340
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92122
DEVELOPER CONTACT NAME:	Ross Malik
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	school
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego Bay
CERTIFIER NAME:	David Backensto
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	29-JUN-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2660

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/03/1989
Global Id:	T0607301408
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H14065-001
Latitude:	32.805005
Longitude:	-117.169029
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2660
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000030186
Facility Type:	Other
Other Type:	COLLEGE
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	SAN DIEGO COMMUNITY COLLEGE DI
Owner Address:	3375 CAMINO DEL RIO SOUTH,
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0003
Tank Num:	001
Container Num:	3
Year Installed:	1977
Tank Capacity:	00000200
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	0000000001
Year Installed:	1978
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	0000000002
Year Installed:	1962
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Container Construction Thickness: 3/16
Leak Detection: Visual

NY MANIFEST:
EPA ID: CAD981972599
Country: USA
Location Address 1: 1536 FRAZEE ROAD
Location Address 2: Not reported
Location City: SAN DIEGO
Location State: CA
Location Zip Code: 92108
Location Zip Code 4: Not reported

Mailing Info:
Name: SAN DIEGO COMMUNITY COLLEGE DISTRICT
Contact: SAN DIEGO COMMUNITY COLLEGE DISTRICT
Address: 1536 FRAZEE ROAD
City/State/Zip: SAN DIEGO, CA 92108
Country: USA
Phone: 619-230-2280

Manifest:

Document ID: NYA4162950
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 808187
Trans2 State ID: 74492BNY
Generator Ship Date: 03/24/1988
Trans1 Recv Date: 03/24/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 04/08/1988
Part A Recv Date: 05/11/1988
Part B Recv Date: 04/18/1988
Generator EPA ID: CAD981972599
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD000632372
Waste Code: D000 - NON-LISTED TOXIC WASTES
Quantity: 00010
Units: P - Pounds
Number of Containers: 001
Container Type: CW - Wooden boxes
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1988

Document ID: NYA5951808
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 808185
Trans2 State ID: 74488B-NY
Generator Ship Date: 07/20/1988
Trans1 Recv Date: 07/20/1988
Trans2 Recv Date: 07/25/1988
TSD Site Recv Date: 08/05/1988
Part A Recv Date: 09/07/1988
Part B Recv Date: 08/15/1988

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Generator EPA ID: CAD981972599
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: NYD980769947
TSDF ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00035
Units: P - Pounds
Number of Containers: 001
Container Type: CW - Wooden boxes
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1988

Document ID: NYA8014707
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 12/05/1988
Trans1 Recv Date: 12/05/1988
Trans2 Recv Date: 12/05/1988
TSD Site Recv Date: 12/16/1988
Part A Recv Date: 01/23/1989
Part B Recv Date: 12/23/1988
Generator EPA ID: CAD981972599
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: NYD980769947
TSDF ID: NYD000632372
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00057
Units: P - Pounds
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1988

SWEEPS UST:
Status: Active
Comp Number: 14065
Number: 9
Board Of Equalization: 44-021983
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014065-000003
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 2

Status: Active
Comp Number: 14065

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Number: 9
Board Of Equalization: 44-021983
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014065-000004
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 14065
Number: Not reported
Board Of Equalization: 44-021983
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014065-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

Status: Not reported
Comp Number: 14065
Number: Not reported
Board Of Equalization: 44-021983
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014065-000002
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 114065
Business Type: 6HK63
EPA Id Number: CAD981972599
APN: 427-020-24-00
Last HMMD Inspection: 10/11/2011
Permit Status: OPEN
Permit Expiration: 07/31/2013

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Facility Owner:	SD COMM COLLEGE DIST
Facility Address:	1544 FRAZEE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3807
UST Owner:	SAN DIEGO COMMUNITY COLLEGE DI
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114065 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	SINGLE WALL
Additional Id:	10
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-09-15 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114065 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	SINGLE WALL
Additional Id:	9
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-09-15 00:00:00
Year Installed:	1962-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 114065 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	DOUBLE WALL
Additional Id:	00003/RT2611/RT3927/AT5418
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2009-07-09 00:00:00

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 114065 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	DOUBLE WALL
Additional Id:	00004
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1997-07-16 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 114065 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	SINGLE WALL
Additional Id:	AT5474
Capacity Gallons:	250
UST Contents:	Not reported
Other Content Info:	MERCURY/ACID WASTE
Reg Status:	PLCK
Remove Close Date:	2010-08-03 00:00:00
Year Installed:	1975-08-12 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

Active Permits:

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE, CO2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE C2H2 99% COMPRESSED
Other Information:	GAS; USED IN CHEMISTRY DEPT & CERAMICS
Material Waste:	Material

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: INORGANIC SOLN, CHEM DEPT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2 WASTE H2SO4 & HCL
Other Information: WSTE CORROSIVES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: MIXTURE
Name: FERTILIZER(24-4-12 & 22-0-0 & 22-3-9)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	PHTO,DNTL,ANIML TECH RADI
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	EXPIRED CHEMICALS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	7778-54-3
Name:	CALCIUM HYPOCHLORITE
Other Information:	PULSAR PLUS BRIQUETTES
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM, HE, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	K201,K203,D205,ORGNIC LAB
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, 02, 99%, COMPRESSED GAS: USED IN ANIMAL HEALTH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	REGULAR UNLEADED
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 113 UNSPECIFIED ACID SOL'N - R
Other Information:	CHEM DEPT, MIXED ACIDS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ANML TECH, HEALTH SERVICES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL EMERGENCY GENERATOR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	10024-97-2
Name:	NITROUS OXIDE
Other Information:	Not reported
Material Waste:	Material

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 12/06/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 11/05/2007
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 11/05/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 09/20/2006
Violation Code: 6HV4213
Violation: NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation: Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 09/20/2006
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	12/06/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/20/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/20/2006
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV0227

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	12/06/2004
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Inspection Date:	09/20/2006
Violation Code:	6HV4256
Violation:	NO MONTHLY BIOLOGICAL INDICATOR
Violation Citation:	Did not use a biological indicator or other approved method at least once a month to confirm proper disinfection/sterilization conditions. 118215(2)(D)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV4421
Violation:	PHARM WASTE NOT SEGREGATED
Violation Citation:	Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	12/06/2004
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/07/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0231

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Violation:	INCOMPATIBLE HW NOT PROPERLY SEPARATED
Violation Citation:	Failed to properly separate incompatible wastes. CFR 265.177
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/07/2005
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/20/2006
Violation Code:	6HV4301
Violation:	SQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial/updates if Onsite Treatment) 117935
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Facility Id:	114065
Business Type:	6HK63
EPA Id Number:	CAD981972599
APN:	427-020-24-00
Last HMMD Inspection:	10/11/2011
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	SD COMM COLLEGE DIST
Facility Address:	1544 FRAZEE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3807
UST Owner:	SAN DIEGO COMMUNITY COLLEGE DI
Handle Regulated Hazmat:	Y
Own Or Operate UST:	N
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114065 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	SINGLE WALL
Additional Id:	10
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-09-15 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114065 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	SINGLE WALL
Additional Id:	9
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-09-15 00:00:00

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Year Installed:	1962-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114065 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	DOUBLE WALL
Additional Id:	00003/RT2611/RT3927/AT5418
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2009-07-09 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 114065 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	DOUBLE WALL
Additional Id:	00004
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1997-07-16 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 114065 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	114065
Tank Type:	SINGLE WALL
Additional Id:	AT5474
Capacity Gallons:	250
UST Contents:	Not reported
Other Content Info:	MERCURY/ACID WASTE
Reg Status:	PLCK
Remove Close Date:	2010-08-03 00:00:00
Year Installed:	1975-08-12 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Active Permits:

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE, CO2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE C2H2 99% COMPRESSED
Other Information:	GAS; USED IN CHEMISTRY DEPT & CERAMICS
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	INORGANIC SOLN, CHEM DEPT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 791 LIQUIDS WITH PH <OR= 2 WASTE H2SO4 & HCL
Other Information:	WSTE CORROSIVES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	FERTILIZER(24-4-12 & 22-0-0 & 22-3-9)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not reported
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	PHTO,DNTL,ANIML TECH RADI
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	EXPIRED CHEMICALS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	7778-54-3
Name:	CALCIUM HYPOCHLORITE
Other Information:	PULSAR PLUS BRIQUETTES
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	114065
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM, HE, 99%, COMPRESSED GAS
Other Information:	Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: K201,K203,D205,ORGNIC LAB
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, 02, 99%, COMPRESSED GAS: USED IN ANIMAL HEALTH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: GASOLINE
Other Information: REGULAR UNLEADED
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 113 UNSPECIFIED ACID SOL'N - R
Other Information: CHEM DEPT, MIXED ACIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114065
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: ANML TECH, HEALTH SERVICES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL EMERGENCY GENERATOR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	10024-97-2
Name:	NITROUS OXIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	114065
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAG WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	12/06/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Inspection Date:	09/20/2006
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/20/2006
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	12/06/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/20/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank.

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

66262.34(f)
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 09/20/2006
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 07/05/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 11/05/2007
Violation Code: 6HV1018
Violation: INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation: Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 09/23/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 09/23/2008
Violation Code: 6HV0224
Violation: MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation: Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity: ACTIVE

Facility Id: 114065
Update Date: 11/02/2012
Inspection Date: 09/23/2008
Violation Code: 6HV1008
Violation: NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation: Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity: ACTIVE

Facility Id: 114065

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	12/06/2004
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/20/2006
Violation Code:	6HV4256
Violation:	NO MONTHLY BIOLOGICAL INDICATOR
Violation Citation:	Did not use a biological indicator or other approved method at least once a month to confirm proper disinfection/sterilization conditions. 118215(2)(D)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV4421
Violation:	PHARM WASTE NOT SEGREGATED
Violation Citation:	Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	12/06/2004
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/07/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/23/2008
Violation Code:	6HV0231
Violation:	INCOMPATIBLE HW NOT PROPERLY SEPARATED
Violation Citation:	Failed to properly separate incompatible wastes. CFR 265.177
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	11/05/2007
Violation Code:	6HV0230
Violation:	FAILED TO MAINTAIN AISLE SPACE
Violation Citation:	Failed to maintain aisle space. CFR 265.35
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/07/2005
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	09/20/2006
Violation Code:	6HV4301
Violation:	SQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial/updates if Onsite Treatment) 117935
Activity:	ACTIVE

Facility Id:	114065
Update Date:	11/02/2012

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Inspection Date:	07/05/2011
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	07/05/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	114065
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

HAZNET:

envid:	1000110737
Year:	2013
GEPAID:	CAD981972599
Contact:	D WARCZAKOWSKI/REGIONAL FACS O
Telephone:	6193882814
Mailing Name:	Not reported
Mailing Address:	7250 MESA COLLEGE DR
Mailing City,St,Zip:	SAN DIEGO, CA 921114902
Gen County:	San Diego
TSD EPA ID:	AZD049318009
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.054
Facility County:	Not reported
envid:	1000110737
Year:	2013
GEPAID:	CAD981972599
Contact:	D WARCZAKOWSKI/REGIONAL FACS O
Telephone:	6193882814
Mailing Name:	Not reported
Mailing Address:	7250 MESA COLLEGE DR
Mailing City,St,Zip:	SAN DIEGO, CA 921114902
Gen County:	San Diego
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0615

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

Facility County: Not reported

envid: 1000110737
Year: 2013
GEPAID: CAD981972599
Contact: D WARCZAKOWSKI/REGIONAL FACS O
Telephone: 6193882814
Mailing Name: Not reported
Mailing Address: 7250 MESA COLLEGE DR
Mailing City,St,Zip: SAN DIEGO, CA 921114902
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.6125
Facility County: Not reported

envid: 1000110737
Year: 2013
GEPAID: CAD981972599
Contact: D WARCZAKOWSKI/REGIONAL FACS O
Telephone: 6193882814
Mailing Name: Not reported
Mailing Address: 7250 MESA COLLEGE DR
Mailing City,St,Zip: SAN DIEGO, CA 921114902
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0625
Facility County: Not reported

envid: 1000110737
Year: 2013
GEPAID: CAD981972599
Contact: D WARCZAKOWSKI/REGIONAL FACS O
Telephone: 6193882814
Mailing Name: Not reported
Mailing Address: 7250 MESA COLLEGE DR
Mailing City,St,Zip: SAN DIEGO, CA 921114902
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.225
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
267 additional CA_HAZNET: record(s) in the EDR Site Report.

SAN DIEGO MESA COLLEGE (Continued) **1000110737**

SAN DIEGO CO. SAM:
Case Number: H14065-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Complaint
Facility Status: Closed Case
Date: 11/3/1989
Date Began: 9/15/1989

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35 **UNITED STATES RENTALS** **CA HIST CORTESE** **S100873488**
1544 FRAZEE **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1857

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT558

SAN DIEGO CO. HMMD:
Facility Id: 115597
Business Type: Not reported
EPA Id Number: Not reported
APN: 438-011-05-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 04/30/2002
Facility Owner: ROBERT JENKINS
Facility Address: 1544 FRAZEE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-4345
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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35 **U S RENTALS** **CA SWEEPS UST** **S106933327**
1544-A W FRAZEE RD A **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:
Status: Not reported
Comp Number: 19241
Number: Not reported
Board Of Equalization: 44-016426
Referral Date: Not reported

U S RENTALS (Continued) **S106933327**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-019241-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	2

Status:	Not reported
Comp Number:	19241
Number:	Not reported
Board Of Equalization:	44-016426
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-019241-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

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35 **SCA CONSTRUCTION SUPPLY** **CA HAZNET** **S113022827**
1544 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113022827
Year:	1994
GEPAID:	CAL000003307
Contact:	HILL RUTH M TRUST
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1544 FRAZEE RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080025711
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	.3127
Facility County:	San Diego

envid:	S113022827
Year:	1993
GEPAID:	CAL000003307
Contact:	HILL RUTH M TRUST
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1544 FRAZEE RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000

SCA CONSTRUCTION SUPPLY (Continued) **S113022827**

Gen County: Not reported
TSD EPA ID: CAT080025711
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.91739999999
Facility County: San Diego

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35 **U. S. RENTALS** **CA LUST** **S102439457**
1544 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT558
Local Case: H19241-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 09/04/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 09/05/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/04/1986
Enforce Date: Not reported
Closed Date: 8/17/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 4 FT
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File archived, case closed and file moved to storage
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

35 **UNITED STATES RENTALS** **CA LUST** **S102439646**
1544 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1857
Local Case:	H19241-002
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	11/02/1990
Date Stopped:	11/02/1990
Confirm Date:	11/15/1990
Submit Workplan:	11/19/90
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	11/02/1990
Enforce Date:	Not reported
Closed Date:	11/29/93
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	1.5’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

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35 **S D COLLEGE DIST-MAINT SERVICE** **CA San Diego Co. HMMD** **S106061455**
1544 W FRAZEE RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	119241
Business Type:	6HK07
EPA Id Number:	Not reported
APN:	438-011-05-00
Last HMMD Inspection:	04/11/1990
Permit Status:	INAC
Permit Expiration:	04/11/1990
Facility Owner:	CHARLES DOANE
Facility Address:	1544-A W FRAZEE RD
Facility City:	SAN DIEGO
Facility State:	CA

S D COLLEGE DIST-MAINT SERVICE (Continued) **S106061455**

Facility Zip: 92108-4394
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 119241 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 119241
Tank Type: UNKNOWN
Additional Id: 02
Capacity Gallons: 1000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1990-11-27 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 119241 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 119241
Tank Type: UNKNOWN
Additional Id: 01
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1990-11-27 00:00:00
Year Installed: Not reported
Pipe Type: LINED TRENCH
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Facility Id: 208483
Business Type: 6HK26
EPA Id Number: CAD981972714
APN: 438-011-05-00
Last HMMD Inspection: 03/05/2012
Permit Status: OPEN
Permit Expiration: 12/31/2012
Facility Owner: SAN DIEGO COMMUNITY COLLEGE DISTRICT
Facility Address: 1544 FRAZEE RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported

S D COLLEGE DIST-MAINT SERVICE (Continued) **S106061455**

Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 208483
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON GAS / CO2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 208483
Update Date: 11/02/2012
Case Number: Not reported
Name: ACRYLIC POLYMER
Other Information: PERIMETER-B-GRAFFITI BUSTER
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 208483
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 208483
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: WASTE ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208483
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 172 METAL DUST & MACHINING WASTE
Other Information: SANDBLAST GRIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 208483
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL

S D COLLEGE DIST-MAINT SERVICE (Continued) **S106061455**

Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	208483
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	BACK-UP GENERATOR
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Facility Id:	208483
Update Date:	11/02/2012
Case Number:	VARIABLE
Name:	LATEX & OIL-BASED PAINT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Facility Id:	208483
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	WASTE PAINT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	208483
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	SPENT BATTS,POWERSTRIDE B
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	208483
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	208483
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	OIL / GASOLINE MIXTURE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

S D COLLEGE DIST-MAINT SERVICE (Continued) **S106061455**

Facility Id:	208483
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE, 002, 99%,
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	208483
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING
Other Information:	MOTOR OIL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	208483
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PAINT THINNER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	208483
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	EFR
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	208483
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	WATER BASE CITRUS SOLVENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Facility Id:	208483

S D COLLEGE DIST-MAINT SERVICE (Continued) **S106061455**

Update Date:	11/02/2012
Inspection Date:	08/23/2007
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	07/22/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	08/23/2007
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	08/23/2007

S D COLLEGE DIST-MAINT SERVICE (Continued) **S106061455**

Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	03/05/2012
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	208483
Update Date:	11/02/2012
Inspection Date:	08/23/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

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35 **UNITED STATES RENTALS** **CA RGA LUST** **S114709898**
1544 FRAZEE ROAD **N/A**
SAN DIEGO, CA

RGA LUST:

1994	UNITED STATES RENTALS	1544 FRAZEE ROAD
1993	UNITED STATES RENTALS	1544 FRAZEE ROAD
1992	UNITED STATES RENTALS	1544 FRAZEE ROAD

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35 **UNITED STATES RENTALS** **CA RGA LUST** **S114709897**
1544 FRAZEE RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	UNITED STATES RENTALS	1544 FRAZEE RD
2001	UNITED STATES RENTALS	1544 FRAZEE RD
2000	UNITED STATES RENTALS	1544 FRAZEE RD
1998	UNITED STATES RENTALS	1544 FRAZEE RD
1997	UNITED STATES RENTALS	1544 FRAZEE RD
1996	UNITED STATES RENTALS	1544 FRAZEE RD
1995	UNITED STATES RENTALS	1544 FRAZEE RD

35 **US RENTALS** **CA HIST UST** **U001572775**
1544 FRAZEE RD **N/A**
SAN DIEGO, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000040472
Facility Type:	Other
Other Type:	RENTALS
Contact Name:	TODD MOIR
Telephone:	6192962105
Owner Name:	CHAZ-RO AND ASSOC.
Owner Address:	1540 FRAZEE ROAD
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0002
Tank Num:	001
Container Num:	02
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	01
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

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35 **U. S. RENTALS** **CA RGA LUST** **S114708160**
1544 FRAZEE RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	U. S. RENTALS	1544 FRAZEE RD
2001	U. S. RENTALS	1544 FRAZEE RD
2000	U. S. RENTALS	1544 FRAZEE RD
1998	U. S. RENTALS	1544 FRAZEE RD
1997	U. S. RENTALS	1544 FRAZEE RD
1996	U. S. RENTALS	1544 FRAZEE RD
1995	U. S. RENTALS	1544 FRAZEE RD
1994	U. S. RENTALS	1544 FRAZEE RD
1993	U. S. RENTALS	1544 FRAZEE RD

35 **U. S. RENTALS** **CA RGA LUST** **S114708161**
1544 FRAZEE ROAD **N/A**
SAN DIEGO, CA

RGA LUST:

1992 U. S. RENTALS 1544 FRAZEE ROAD

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35 **U S RENTALS** **CA LUST** **S106916373**
NONE FRAZEE RD **CA SLIC** **N/A**
SAN DIEGO, CA 92108

LUST:

Region:	STATE
Global Id:	T0607300642
Latitude:	32.7747708
Longitude:	-117.1599449
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/13/1993
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1857
LOC Case Number:	H19241-002
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300642
Status:	Completed - Case Closed
Status Date:	12/13/1993

Global Id:	T0607300642
Status:	Open - Case Begin Date
Status Date:	11/02/1990

Regulatory Activities:

Global Id:	T0607300642
Action Type:	ENFORCEMENT
Date:	11/26/1990
Action:	Notice of Responsibility

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/04/1986
Global Id:	T0607302847
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H19241-001
Latitude:	32.7747708
Longitude:	-117.1599449

U S RENTALS (Continued) **S106916373**

Case Type:	Cleanup Program Site
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT558
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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35 **SUNROAD ENTERPRISES** **CA SLIC** **S104751978**
1615 MURRAY CANYON RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108 **CA SAN DIEGO CO. SAM**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/14/1995
Global Id:	T0608163372
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H29229-001
Latitude:	32.774886
Longitude:	-117.157761
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	129229
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	677-390-08-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SUNROAD ENTERPRISES
Facility Address:	1615 MURRAY CANYON RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-4314
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SUNROAD ENTERPRISES (Continued) **S104751978**

SAN DIEGO CO. SAM:
Case Number: H29229-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 9/14/1995
Date Began: 7/12/1989

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35 **MISSION HEIGHTS** **CA SLIC** **S109118222**
0 MURRAY CYN RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92105

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/26/1998
Global Id: T0608148160
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H37164-001
Latitude: 32.775565
Longitude: -117.158028
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. SAM:
Case Number: H37164-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/26/1998
Date Began: 10/8/1998

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35 **SUNROAD PLAZA EAST III, LTD** **CA RGA LUST** **S114697299**
1615 MURRAY CANYON RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	SUNROAD PLAZA EAST III, LTD	1615 MURRAY CANYON RD	

35 **LANDMARK ASSET MGT** **CA HAZNET** **S112942229**
1615 MURRAY CANYON RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112942229
Year:	2005
GEPAID:	CAC002585055
Contact:	JOHN PRIMICH
Telephone:	6192966694
Mailing Name:	Not reported
Mailing Address:	1615 MURRAY CANYON RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Treatment, Tank
Tons:	5.29
Facility County:	San Diego

envid:	S112942229
Year:	2005
GEPAID:	CAC002585055
Contact:	JOHN PRIMICH
Telephone:	6192966694
Mailing Name:	Not reported
Mailing Address:	1615 MURRAY CANYON RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Treatment, Tank
Tons:	0.91
Facility County:	San Diego

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35 **SUNROAD ENTERPRISES** **CA RGA LUST** **S114697297**
1615 MURRAY CANYON RD **N/A**
SAN DIEGO, CA

RGA LUST:

2007	SUNROAD ENTERPRISES	1615 MURRAY CANYON RD
2006	SUNROAD ENTERPRISES	1615 MURRAY CANYON RD
2005	SUNROAD ENTERPRISES	1615 MURRAY CANYON RD

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35 **SUNROAD PLAZA EAST III, LTD.** **CA RGA LUST** **S114697298**
1615 MURRAY CANYON RD **N/A**
SAN DIEGO, CA

RGA LUST:

2003	SUNROAD PLAZA EAST III, LTD.	1615 MURRAY CANYON RD

35 **PRESSLEY PETERBUILT** **CA HAZNET** **S113076851**
5620 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid:	S113076851
Year:	1999
GEPAID:	CAL000140543
Contact:	SCOTT PRESSLEY
Telephone:	6195662605
Mailing Name:	Not reported
Mailing Address:	8464 MIRAMAR RD
Mailing City,St,Zip:	SAN DIEGO, CA 921260000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Treatment, Tank
Tons:	2.5020
Facility County:	San Diego

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35 **FRIARS-MISSION DENTAL GROUP** **CA San Diego Co. HMMD** **S106067797**
5638 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201864
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-332-01-00
Last HMMD Inspection:	04/25/2006
Permit Status:	CHNG
Permit Expiration:	09/30/2007
Facility Owner:	CALIFORNIA SMILE, LLC
Facility Address:	1680 S MELROSE RD #108
Facility City:	VISTA
Facility State:	CA
Facility Zip:	92081
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	152606
Business Type:	6HK10
EPA Id Number:	CAL000120383
APN:	438-332-01-00
Last HMMD Inspection:	05/20/2003
Permit Status:	CHNG
Permit Expiration:	02/28/2002
Facility Owner:	STUART TANI D D S
Facility Address:	5638 MISSION CENTER RD #104
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported

FRIARS-MISSION DENTAL GROUP (Continued) **S106067797**

Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Facility Id:	208769
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-332-01-00
Last HMMD Inspection:	12/01/2010
Permit Status:	INAC
Permit Expiration:	03/31/2012
Facility Owner:	S.T. TANI, A DENTAL CORPORATION
Facility Address:	5638 MISSION CENTER RD, #104
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	208769
Update Date:	11/02/2012
Inspection Date:	11/16/2007
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit
Facility Id:	208769
Update Date:	11/02/2012
Inspection Date:	12/01/2010
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit

Facility Id:	208792
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-332-01-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	11/30/2008
Facility Owner:	CALIFORNIA SMILE, LLC
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported

FRIARS-MISSION DENTAL GROUP (Continued) **S106067797**

UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Click this hyperlink while viewing on your computer to access
-1 additional CA_HMMD: record(s) in the EDR Site Report.

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35 **CVS PHARMACY #9963** **CA San Diego Co. HMMD** **S106065060**
5644 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92104

SAN DIEGO CO. HMMD:
Facility Id: 136853
Business Type: 6HK15
EPA Id Number: CAL000168478
APN: 438-332-02-00
Last HMMD Inspection: 03/16/2006
Permit Status: INAC
Permit Expiration: 04/30/2011
Facility Owner: LONGS DRUG STORES CA, LLC
Facility Address: 4020 STIRRUP CREEK DR #100
Facility City: DURHAM
Facility State: NC
Facility Zip: 27703
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 212527
Business Type: 6HK42
EPA Id Number: CAL000356725
APN: 438-332-02-00
Last HMMD Inspection: 08/23/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: LONGS DRUG STORES OF CALIFORNIA, LLC
Facility Address: 1 CVS DR, MAIL DROP 23062A
Facility City: Woonsocket
Facility State: RI
Facility Zip: 02895
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 212527

CVS PHARMACY #9963 (Continued) **S106065060**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	AEROSOLS AND FLAMMABLES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	212527
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information:	PARTIALLY EMPTY PHOTO CHEMICAL BOXES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	212527
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	STATE REGULATED TOXIC WASTES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	212527
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information:	WASTE CORROSIVE - ACIDIC
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	212527
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	MAIL - BACK
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	212527
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 131 AQUEOUS SOL'N W/REACTIVE ANION
Other Information:	WASTE OXIDIZERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	212527
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 123 UNSPECIFIED ALKALINE SOL'N

CVS PHARMACY #9963 (Continued) **S106065060**

Other Information: WASTE CORROSIVE - BASES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: RCRA HAZARDOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 212527
Update Date: 11/02/2012
Inspection Date: 01/04/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 212527
Business Type: 6HK42
EPA Id Number: CAL000356725
APN: 438-332-02-00
Last HMMD Inspection: 08/23/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: LONGS DRUG STORES OF CALIFORNIA, LLC
Facility Address: 1 CVS DR, MAIL DROP 23062A
Facility City: Woonsocket
Facility State: RI
Facility Zip: 02895
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Active Permits:
Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: AEROSOLS AND FLAMMABLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012

CVS PHARMACY #9963 (Continued) **S106065060**

Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: PARTIALLY EMPTY PHOTO CHEMICAL BOXES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: STATE REGULATED TOXIC WASTES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: WASTE CORROSIVE - ACIDIC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: MAIL - BACK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 131 AQUEOUS SOL'N W/REACTIVE ANION
Other Information: WASTE OXIDIZERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information: WASTE CORROSIVE - BASES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212527
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: RCRA HAZARDOUS WASTE

CVS PHARMACY #9963 (Continued) **S106065060**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 212527
Update Date: 11/02/2012
Inspection Date: 01/04/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

---

35 **CVS PHARMACY NO 9963** **CA HAZNET** **S113159749**
5644 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113159749
Year: 2013
GEPAID: CAR000230953
Contact: Wendy Brant
Telephone: 4017651500
Mailing Name: Not reported
Mailing Address: 1 CVS DR
Mailing City,St,Zip: WOONSOCKET, RI 02895
Gen County: San Diego
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0165
Facility County: Not reported

envid: S113159749
Year: 2013
GEPAID: CAR000230953
Contact: Wendy Brant
Telephone: 4017651500
Mailing Name: Not reported
Mailing Address: 1 CVS DR
Mailing City,St,Zip: WOONSOCKET, RI 02895
Gen County: San Diego
TSD EPA ID: INR000110197
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0335
Facility County: Not reported

envid: S113159749
Year: 2013
GEPAID: CAR000230953

CVS PHARMACY NO 9963 (Continued) **S113159749**

Contact:	Wendy Brant
Telephone:	4017651500
Mailing Name:	Not reported
Mailing Address:	1 CVS DR
Mailing City,St,Zip:	WOONSOCKET, RI 02895
Gen County:	San Diego
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.019
Facility County:	Not reported

envid:	S113159749
Year:	2013
GEPAID:	CAR000230953
Contact:	Wendy Brant
Telephone:	4017651500
Mailing Name:	Not reported
Mailing Address:	1 CVS DR
Mailing City,St,Zip:	WOONSOCKET, RI 02895
Gen County:	San Diego
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005
Facility County:	Not reported

envid:	S113159749
Year:	2013
GEPAID:	CAR000230953
Contact:	Wendy Brant
Telephone:	4017651500
Mailing Name:	Not reported
Mailing Address:	1 CVS DR
Mailing City,St,Zip:	WOONSOCKET, RI 02895
Gen County:	San Diego
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
25 additional CA_HAZNET: record(s) in the EDR Site Report.

35 **LONGS DRUG STORE #402** **CA HAZNET** **S113088449**
5644 MISSION CTR STE 202 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113088449
Year:	2011
GEPAID:	CAL000168478
Contact:	Raquel Karnes/ENV Coord
Telephone:	7074696853
Mailing Name:	Not reported
Mailing Address:	141 N CIVIC DR
Mailing City,St,Zip:	WALNUT CREEK, CA 945960000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.035
Facility County:	San Diego

envid:	S113088449
Year:	2011
GEPAID:	CAL000168478
Contact:	Raquel Karnes/ENV Coord
Telephone:	7074696853
Mailing Name:	Not reported
Mailing Address:	141 N CIVIC DR
Mailing City,St,Zip:	WALNUT CREEK, CA 945960000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.035
Facility County:	San Diego

envid:	S113088449
Year:	2008
GEPAID:	CAL000168478
Contact:	Raquel Karnes/ENV Coord
Telephone:	7074696853
Mailing Name:	Not reported
Mailing Address:	141 N CIVIC DR
Mailing City,St,Zip:	WALNUT CREEK, CA 945960000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0045
Facility County:	San Diego

envid:	S113088449
Year:	2008
GEPAID:	CAL000168478

LONGS DRUG STORE #402 (Continued) **S113088449**

Contact:	Raquel Karnes/ENV Coord
Telephone:	7074696853
Mailing Name:	Not reported
Mailing Address:	141 N CIVIC DR
Mailing City,St,Zip:	WALNUT CREEK, CA 945960000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0045
Facility County:	San Diego

envid:	S113088449
Year:	2007
GEPAID:	CAL000168478
Contact:	Raquel Karnes/ENV Coord
Telephone:	7074696853
Mailing Name:	Not reported
Mailing Address:	141 N CIVIC DR
Mailing City,St,Zip:	WALNUT CREEK, CA 945960000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
9 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **CVS PHARMACY #9963** **FINDS** **1015781259**
5644 MISSION CENTER STE 201 **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110054821868

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

35 **CVS PHARMACY #9963** **RCRA-LQG** **1015740388**
5644 MISSION CENTER STE 201 **CAR000230953**
SAN DIEGO, CA 92108

RCRA-LQG:

Date form received by agency:	03/01/2014
Facility name:	CVS PHARMACY #9963
Facility address:	5644 MISSION CENTER STE 201 SAN DIEGO, CA 92108
EPA ID:	CAR000230953
Mailing address:	CVS DR-23062A WOONSOCKET, CA 02895
Contact:	WENDY L BRANT
Contact address:	CVS DR-23062A WOONSOCKET, RI 02895
Contact country:	Not reported
Contact telephone:	(401) 770-7457
Contact email:	WENDY.BRANT@CVSCAREMARK.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	LONGS DRUG STORES CALIFORNIA LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/22/2008
Owner/Op end date:	Not reported

Owner/operator name:	LONGS DRUG STORES CALIFORNIA, LLC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/22/2008
Owner/Op end date:	Not reported

Owner/operator name:	FRIARS MISSION
Owner/operator address:	ONE INDEPENDENT DR STE 114 JACKSONVILLE, FL 32202
Owner/operator country:	US
Owner/operator telephone:	904-598-7000

CVS PHARMACY #9963 (Continued) **1015740388**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/19/1996
Owner/Op end date: Not reported

Owner/operator name: FRIARS MISSION
Owner/operator address: INDEPENDENCE DR STE 114
JACKSONVILLE, FL 32202
Owner/operator country: Not reported
Owner/operator telephone: (904) 598-7000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/19/1996
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 131
. Waste name: 131

. Waste code: 134
. Waste name: 134

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 311
. Waste name: 311

. Waste code: 331

CVS PHARMACY #9963 (Continued) **1015740388**

. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 541
. Waste name: 541

. Waste code: 561
. Waste name: 561

. Waste code: 791
. Waste name: 791

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D035

CVS PHARMACY #9963 (Continued) **1015740388**

. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

. Waste code: P188
. Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH (3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL--YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U031
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U059
. Waste name: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

. Waste code: U070

CVS PHARMACY #9963 (Continued) **1015740388**

. Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U089
. Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U132
. Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

. Waste code: U150
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U151
. Waste name: MERCURY

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U200
. Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U204
. Waste name: SELENIOUS ACID (OR) SELENIUM DIOXIDE

. Waste code: U205
. Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

. Waste code: U206
. Waste name: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR) GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR) STREPTOZOTOCIN

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

. Waste code: U279

CVS PHARMACY #9963 (Continued) **1015740388**

. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

. Waste code: U411
. Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Historical Generators:
Date form received by agency: 10/25/2012
Site name: CVS PHARMACY NO 9963
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Violation Status: No violations found

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35 **QSS ONE HOUR PHOTO** **CA San Diego Co. HMMD** **S106064317**
5658 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 134687
Business Type: 6HK18
EPA Id Number: CAL000060457
APN: 438-332-03-00
Last HMMD Inspection: 09/11/1997
Permit Status: INAC
Permit Expiration: 09/11/1997
Facility Owner: MUNZER MOUBAYED
Facility Address: 5658 MISSION CENTER RD #305
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

35 **QSS 1 HOUR PHOTO** **CA HAZNET** **S113169347**
5658 MISSION CENTER ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113169347
Year:	1993
GEPAID:	CAL930695197
Contact:	MUNZER/MAHER MOUBAYED/A BEIRUT
Telephone:	6195420334
Mailing Name:	Not reported
Mailing Address:	5658 MISSION CENTER RD STE 305
Mailing City,St,Zip:	SAN DIEGO, CA 921084349
Gen County:	Not reported
TSD EPA ID:	CAD003963592
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Not reported
Tons:	0.17000000000
Facility County:	San Diego

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35 **VERIZON WIRELESS: HAZARD CENTER** **FINDS** **1016430974**
5664 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110055821918

Environmental Interest/Information System
STATE MASTER

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35 **RALPH'S** **FINDS** **1016293319**
5680 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92123

FINDS:

Registry ID: 110011652648

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

35 **RALPHS GROCERY #77** **FINDS** **1016420273**
5680 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110055673695

Environmental Interest/Information System
STATE MASTER

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35 **RALPHS GROCERY CO #077** **CA San Diego Co. HMMD** **S106063804**
5680 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133160
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	438-331-02-00
Last HMMD Inspection:	06/16/1992
Permit Status:	INAC
Permit Expiration:	06/16/1992
Facility Owner:	RALPH'S GROCERY CO
Facility Address:	PO BOX 54143
Facility City:	LOS ANGELES
Facility State:	CA
Facility Zip:	90054-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	211193
Business Type:	6HK42
EPA Id Number:	CAL000344008
APN:	438-331-02-00
Last HMMD Inspection:	08/09/2011
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	RALPHS GROCERY CO
Facility Address:	PO BOX 54143
Facility City:	Los Angeles
Facility State:	CA
Facility Zip:	90054
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	211193
Update Date:	11/02/2012

RALPHS GROCERY CO #077 (Continued) **S106063804**

Case Number: 7440-59-7
Name: HELIUM GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: OXIDIZERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: FLAMMABLE LIQUIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: CORROSIVE, BASIC NAOH
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 131 AQUEOUS SOL'N W/REACTIVE ANION
Other Information: OXODIZING LIQUIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FLAMMABLE SOLID

RALPHS GROCERY CO #077 (Continued) **S106063804**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: CORROSIVE, ACIDIC INORGANICS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: 75-45-6
Name: FREON 408A
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 211193
Update Date: 11/02/2012
Case Number: 75-45-6
Name: FREON 22
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 211193
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 211193
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: FLUORESCENT LIGHT TUBES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 211193
Update Date: 11/02/2012
Inspection Date: 12/11/2009
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

RALPHS GROCERY CO #077 (Continued) **S106063804**

Facility Id:	211193
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

Facility Id:	211193
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	211193
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV0409
Violation:	NO SPILL/FIRE CONTROL EQUIPMENT
Violation Citation:	Spill/fire control equip not available for small quantity generator of hazardous waste. CFR 265.32(c)
Activity:	ACTIVE

Facility Id:	211193
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Facility Id:	211193
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE

Facility Id:	211193
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

Facility Id:	211193
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV0408

RALPHS GROCERY CO #077 (Continued) **S106063804**

Violation: FAILED TO POST ER PLAN BY PHONE
Violation Citation: Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity: ACTIVE

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35 **RALPH'S** **FTTS 1007291357**
5680 MISSION CENTER RD **HIST FTTS N/A**
SAN DIEGO, CA 92123

FTTS INSP:
Inspection Number: 199309292718 1
Region: 09
Inspection Date: 09/29/93
Inspector: OL
Violation occurred: No
Investigation Type: Specific Product Review
Investigation Reason: For Cause, Government
Legislation Code: FIFRA
Facility Function: Producer

HIST FTTS INSP:
Inspection Number: 199309292718 1
Region: 09
Inspection Date: Not reported
Inspector: OL
Violation occurred: No
Investigation Type: Specific Product Review
Investigation Reason: For Cause, Government
Legislation Code: FIFRA
Facility Function: Producer

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35 **RALPHS GROCERY CO #77** **CA HAZNET S113798277**
5680 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113798277
Year: 2013
GEPAID: CAL000344008
Contact: MELISSA PENA
Telephone: 3108844016
Mailing Name: Not reported
Mailing Address: 1100 W. Artesia Blvd.
Mailing City,St,Zip: Compton, CA 902200000
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.007
Facility County: Not reported

envid: S113798277

RALPHS GROCERY CO #77 (Continued) **S113798277**

Year:	2013
GEPAID:	CAL000344008
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.021
Facility County:	Not reported

envid:	S113798277
Year:	2013
GEPAID:	CAL000344008
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0005
Facility County:	Not reported

envid:	S113798277
Year:	2013
GEPAID:	CAL000344008
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0395
Facility County:	Not reported

envid:	S113798277
Year:	2013
GEPAID:	CAL000344008
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.

RALPHS GROCERY CO #77 (Continued) **S113798277**

Mailing City,St,Zip: Compton, CA 902200000
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0025
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **RALPH'S** **HIST FTTS** **1009521525**
5680 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92123

HIST FTTS INSP:
Inspection Number: 19910822F2718 3
Region: 09
Inspection Date: Not reported
Inspector: O. LEAL
Violation occurred: No
Investigation Type: General Product Review
Investigation Reason: Neutral Scheme, State
Legislation Code: FIFRA
Facility Function: Marketplace

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35 **RALPH'S** **FTTS** **1004444737**
5680 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

FTTS INSP:
Inspection Number: 19910822F2718 3
Region: 09
Inspection Date: 08/22/91
Inspector: O. LEAL
Violation occurred: No
Investigation Type: General Product Review
Investigation Reason: Neutral Scheme, State
Legislation Code: FIFRA
Facility Function: Marketplace

35 **STADIUM CLEANERS** **CA HAZNET** **S113078378**
5694 MISSION CENTER #601 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113078378
Year:	2005
GEPAID:	CAL000142970
Contact:	HENRY NGUYEN, OWNER
Telephone:	6192981490
Mailing Name:	Not reported
Mailing Address:	5694 MISSION CENTER RD STE 601
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	NVR000076158
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	Not reported
Facility County:	San Diego

envid:	S113078378
Year:	2005
GEPAID:	CAL000142970
Contact:	HENRY NGUYEN, OWNER
Telephone:	6192981490
Mailing Name:	Not reported
Mailing Address:	5694 MISSION CENTER RD STE 601
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	NVR000076158
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Not reported
Tons:	0.3
Facility County:	San Diego

envid:	S113078378
Year:	2005
GEPAID:	CAL000142970
Contact:	HENRY NGUYEN, OWNER
Telephone:	6192981490
Mailing Name:	Not reported
Mailing Address:	5694 MISSION CENTER RD STE 601
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	NVR000076158
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Not reported
Tons:	Not reported
Facility County:	San Diego

envid:	S113078378
Year:	2005
GEPAID:	CAL000142970
Contact:	HENRY NGUYEN, OWNER
Telephone:	6192981490

STADIUM CLEANERS (Continued) **S113078378**

Mailing Name: Not reported
Mailing Address: 5694 MISSION CENTER RD STE 601
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Recycler
Tons: Not reported
Facility County: San Diego

envid: S113078378
Year: 2005
GEPAID: CAL000142970
Contact: HENRY NGUYEN, OWNER
Telephone: 6192981490
Mailing Name: Not reported
Mailing Address: 5694 MISSION CENTER RD STE 601
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: NVR000076158
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Not reported
Tons: Not reported
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
15 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **HG FENTON COMPANY** **CA SLIC** **S104754219**
7243 MISSION VALLEY RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108 **CA SAN DIEGO CO. SAM**

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 01/26/1994
Global Id: T0608171650
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H34127-001
Latitude: 32.77895
Longitude: -117.157784
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 134127
Business Type: Not reported

HG FENTON COMPANY (Continued) **S104754219**

EPA Id Number:	Not reported
APN:	677-390-06-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	HG FENTON/WESTERN PROPERTIES
Facility Address:	7220 TRADE ST #300
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H34127-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	1/26/1994
Date Began:	Not reported

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35 **EDR US Hist Cleaners** **1015076231**
5694 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	STADIUM CLEANERS
Year:	2004
Address:	5694 MISSION CENTER RD
Name:	STADIUM CLEANERS
Year:	2006
Address:	5694 MISSION CENTER RD
Name:	STADIUM CLEANERS
Year:	2007
Address:	5694 MISSION CENTER RD
Name:	STADIUM CLEANERS
Year:	2008
Address:	5694 MISSION CENTER RD
Name:	STADIUM CLEANERS
Year:	2010
Address:	5694 MISSION CENTER RD
Name:	STADIUM CLEANERS
Year:	2011
Address:	5694 MISSION CENTER RD
Name:	STADIUM CLEANERS

(Continued) **1015076231**

Year: 2012
Address: 5694 MISSION CENTER RD

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35 **STADIUM CLEANERS** **RCRA NonGen / NLR** **1000473130**
5694 MISSION CTR RD STE 601 **FINDS** **CAD982460206**
SAN DIEGO, CA 92108 **CA SLIC**
CA DRYCLEANERS
CA San Diego Co. HMMD
CA EMI
CA SAN DIEGO CO. SAM

RCRA NonGen / NLR:
Date form received by agency: 09/29/1995
Facility name: STADIUM CLEANERS
Facility address: 5694 MISSION CTR RD STE 601
SAN DIEGO, CA 92108
EPA ID: CAD982460206
Mailing address: 5694 MISSION CTR RD
SAN DIEGO, CA 92108
Contact: HENRY NGUYEN
Contact address: 5694 MISSION CTR RD STE 601
SAN DIEGO, CA 92108
Contact country: US
Contact telephone: (619) 298-1490
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: TERRY BEASLEY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

STADIUM CLEANERS (Continued) **1000473130**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002815446

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/28/1997
Global Id:	T0608129366
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H29784-001
Latitude:	32.776244
Longitude:	-117.155014
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

DRYCLEANERS:

EPA Id:	CAL000142970
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	09/20/1995
Facility Active:	No
Inactive Date:	06/30/2006
Facility Addr2:	Not reported

STADIUM CLEANERS (Continued) **1000473130**

Owner Name:	HENRY NGUYEN
Owner Address:	5694 MISSION CENTER RD STE 601
Owner Address 2:	Not reported
Owner Telephone:	6192981490
Contact Name:	HENRY NGUYEN, OWNER
Contact Address:	5694 MISSION CENTER RD STE 601
Contact Address 2:	Not reported
Contact Telephone:	6192981490
Mailing Name:	Not reported
Mailing Address 1:	5694 MISSION CENTER RD STE 601
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921080000
Owner Fax:	Not reported
Region Code:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	129784
Business Type:	6HK53
EPA Id Number:	CAL000142970
APN:	438-331-01-00
Last HMMD Inspection:	02/12/2004
Permit Status:	INAC
Permit Expiration:	07/31/2005
Facility Owner:	HENRY NGUYEN
Facility Address:	5694 MISSION CENTER RD #601
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-4349
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

STADIUM CLEANERS (Continued) **1000473130**

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216

STADIUM CLEANERS (Continued) **1000473130**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.415125
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

STADIUM CLEANERS (Continued) **1000473130**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.4
Reactive Organic Gases Tons/Yr:	.27944
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.40000000000000002
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010

STADIUM CLEANERS (Continued) **1000473130**

County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.40000000000000002
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	89098
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.4
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H29784-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/28/1997

STADIUM CLEANERS (Continued) **1000473130**

Date Began: Not reported

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35 **STADIUM CLEANERS** **CA RGA LUST** **S114695308**
5694 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2007	STADIUM CLEANERS	5694 MISSION CENTER RD
2006	STADIUM CLEANERS	5694 MISSION CENTER RD
2005	STADIUM CLEANERS	5694 MISSION CENTER RD
2004	STADIUM CLEANERS	5694 MISSION CENTER RD
2003	STADIUM CLEANERS	5694 MISSION CENTER RD

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35 **STADIUM CLEANERS** **CA HAZNET** **S113016208**
5694 MISSION CENTER ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113016208
Year:	1996
GEPAID:	CAD982460206
Contact:	HENRY NGUYEN
Telephone:	6192981490
Mailing Name:	Not reported
Mailing Address:	5694 MISSION CENTER RD STE 601
Mailing City,St,Zip:	SAN DIEGO, CA 921084312
Gen County:	Not reported
TSD EPA ID:	CAD981397417
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Recycler
Tons:	.5025
Facility County:	San Diego

envid:	S113016208
Year:	1995
GEPAID:	CAD982460206
Contact:	HENRY NGUYEN
Telephone:	6192981490
Mailing Name:	Not reported
Mailing Address:	5694 MISSION CENTER RD STE 601
Mailing City,St,Zip:	SAN DIEGO, CA 921084312
Gen County:	Not reported
TSD EPA ID:	CAD981397417
TSD County:	Not reported
Waste Category:	Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	Recycler
Tons:	1.3409
Facility County:	San Diego

envid:	S113016208
Year:	1995
GEPAID:	CAD982460206
Contact:	HENRY NGUYEN

STADIUM CLEANERS (Continued) **S113016208**

Telephone: 6192981490
Mailing Name: Not reported
Mailing Address: 5694 MISSION CENTER RD STE 601
Mailing City,St,Zip: SAN DIEGO, CA 921084312
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler
Tons: .0000
Facility County: San Diego

envid: S113016208
Year: 1994
GEPAID: CAD982460206
Contact: HENRY NGUYEN
Telephone: 6192981490
Mailing Name: Not reported
Mailing Address: 5694 MISSION CENTER RD STE 601
Mailing City,St,Zip: SAN DIEGO, CA 921084312
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: .5175
Facility County: San Diego

envid: S113016208
Year: 1994
GEPAID: CAD982460206
Contact: HENRY NGUYEN
Telephone: 6192981490
Mailing Name: Not reported
Mailing Address: 5694 MISSION CENTER RD STE 601
Mailing City,St,Zip: SAN DIEGO, CA 921084312
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Not reported
Tons: .1950
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **MINUTEMAN PRESS** **CA San Diego Co. HMMD** **S106071812**
7525 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 201829
Business Type: 6HK37
EPA Id Number: CAL000274490
APN: 677-390-10-00
Last HMMD Inspection: 03/27/2012
Permit Status: OPEN

MINUTEMAN PRESS (Continued) **S106071812**

Permit Expiration:	01/31/2013
Facility Owner:	METRO
Facility Address:	7525 METROPOLITAN DR #303
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	201829
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	WASTE PHOTOFIXER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	201829
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	WASTE INK
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	05/11/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	08/01/2008
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	05/11/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)

MINUTEMAN PRESS (Continued) **S106071812**

Activity:	ACTIVE
Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	08/01/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	05/11/2007
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	201829
Business Type:	6HK37
EPA Id Number:	CAL000274490
APN:	677-390-10-00
Last HMMD Inspection:	03/27/2012
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	METRO
Facility Address:	7525 METROPOLITAN DR #303
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported

MINUTEMAN PRESS (Continued) **S106071812**

Generate Medical Waste: Not reported

Active Permits:

Facility Id: 201829
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: WASTE PHOTOFIXER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201829
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: WASTE INK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 201829
Update Date: 11/02/2012
Inspection Date: 05/11/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 201829
Update Date: 11/02/2012
Inspection Date: 08/01/2008
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Facility Id: 201829
Update Date: 11/02/2012
Inspection Date: 05/11/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Facility Id: 201829
Update Date: 11/02/2012
Inspection Date: 08/01/2008
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 201829

MINUTEMAN PRESS (Continued) **S106071812**

Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	201829
Update Date:	11/02/2012
Inspection Date:	05/11/2007
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

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35 **HUNTLEY PAIN SPECIALISTS** **CA San Diego Co. HMMD** **S106064629**
7525 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	214275
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	677-390-10-00
Last HMMD Inspection:	06/02/2011
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	MICHAEL HUNTLEY
Facility Address:	7525 METROPOLITAN DR #302
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	214275
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported

HUNTLEY PAIN SPECIALISTS (Continued) **S106064629**

Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	214275
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	NON-RCRA
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	135607
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	677-390-10-00
Last HMMD Inspection:	05/25/1999
Permit Status:	INAC
Permit Expiration:	10/31/2000
Facility Owner:	SUPREME OIL COMPANY
Facility Address:	7525 METROPOLITAN DR #304
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **MISSION VALLEY PRINTING INC** **CA San Diego Co. HMMD** **S106065768**
7525 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	138935
Business Type:	6HK37
EPA Id Number:	CAL000130880
APN:	677-390-10-00
Last HMMD Inspection:	05/13/2003
Permit Status:	CHNG
Permit Expiration:	12/31/2003
Facility Owner:	DAVID VANNICE
Facility Address:	7525 METROPOLITAN DR #303
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

35 **PATRIOT ENVIRONMENTAL LAB SRVS INC** **CA San Diego Co. HMMD** **S106072578**
7525 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	202658
Business Type:	6HK18
EPA Id Number:	CAL000271968
APN:	677-390-10-00
Last HMMD Inspection:	10/30/2003
Permit Status:	INAC
Permit Expiration:	03/31/2005
Facility Owner:	JAMES B THORNBRUGH II
Facility Address:	7271 GARDEN GROVE BL # A
Facility City:	GARDEN GROVE
Facility State:	CA
Facility Zip:	92841
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	202658
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit

Facility Id:	202658
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Facility Id:	202658
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

Facility Id:	202658
Business Type:	6HK18
EPA Id Number:	CAL000271968
APN:	677-390-10-00
Last HMMD Inspection:	10/30/2003

PATRIOT ENVIRONMENTAL LAB SRVS INC (Continued) **S106072578**

Permit Status:	INAC
Permit Expiration:	03/31/2005
Facility Owner:	JAMES B THORNBRUGH II
Facility Address:	7271 GARDEN GROVE BL # A
Facility City:	GARDEN GROVE
Facility State:	CA
Facility Zip:	92841
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	202658
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	Inactive Permit

Facility Id:	202658
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	Inactive Permit

Facility Id:	202658
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

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35 **SUPREME OIL CO INC** **CA HAZNET** **S112983859**
7525 METROPOLITAN DR STE 306 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112983859
Year:	2011
GEPAID:	CAC002663331
Contact:	ANDY BARTOTTO/EX: 308
Telephone:	6195425020
Mailing Name:	Not reported
Mailing Address:	PO BOX 84717
Mailing City,St,Zip:	SAN DIEGO, CA 92138

SUPREME OIL CO INC (Continued) **S112983859**

Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0114
Facility County: San Diego

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35 **MISSION VALLEY PRINTING** **CA HAZNET** **S113074252**
7525 METROPOLITAN DRIVE **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113074252
Year: 1998
GEPAID: CAL000130880
Contact: DAVID VANNICE
Telephone: 6192958070
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 303
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .1250
Facility County: San Diego

envid: S113074252
Year: 1997
GEPAID: CAL000130880
Contact: DAVID VANNICE
Telephone: 6192958070
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 303
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .0416
Facility County: San Diego

envid: S113074252
Year: 1996
GEPAID: CAL000130880
Contact: DAVID VANNICE
Telephone: 6192958070
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 303
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste

MISSION VALLEY PRINTING (Continued) **S113074252**

Disposal Method: Transfer Station
Tons: .1664
Facility County: San Diego

envid: S113074252
Year: 1995
GEPAID: CAL000130880
Contact: DAVID VANNICE
Telephone: 6192958070
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR STE 303
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .0416
Facility County: San Diego

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35 **MINUTEMAN PRESS OF MISSION VALLEY** **CA HAZNET** **S113128275**
7525 METROPOLITAN DR STE 303 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113128275
Year: 2013
GEPAID: CAL000274490
Contact: RANDAL LEWIS
Telephone: 6192978929
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR #303
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.0575
Facility County: Not reported

envid: S113128275
Year: 2013
GEPAID: CAL000274490
Contact: RANDAL LEWIS
Telephone: 6192978929
Mailing Name: Not reported
Mailing Address: 7525 METROPOLITAN DR #303
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.54
Facility County: Not reported

envid: S113128275

MINUTEMAN PRESS OF MISSION VALLEY (Continued) **S113128275**

Year:	2013
GEPAID:	CAL000274490
Contact:	RANDAL LEWIS
Telephone:	6192978929
Mailing Name:	Not reported
Mailing Address:	7525 METROPOLITAN DR #303
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15
Facility County:	Not reported

envid:	S113128275
Year:	2012
GEPAID:	CAL000274490
Contact:	RANDAL LEWIS
Telephone:	6192978929
Mailing Name:	Not reported
Mailing Address:	7525 METROPOLITAN DR #303
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1125
Facility County:	San Diego

envid:	S113128275
Year:	2010
GEPAID:	CAL000274490
Contact:	RANDAL LEWIS
Telephone:	6192978929
Mailing Name:	Not reported
Mailing Address:	7525 METROPOLITAN DR #303
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05838
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

35 **INNOFUSION** **CA San Diego Co. HMMD** **S106064158**
7515 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	134248
Business Type:	6HK58
EPA Id Number:	CAL000121032
APN:	677-390-11-00
Last HMMD Inspection:	04/23/1997
Permit Status:	INAC
Permit Expiration:	04/23/1997
Facility Owner:	INNOPUSION CORP
Facility Address:	6076 BRESTOL PY #104
Facility City:	CULVER CITY
Facility State:	CA
Facility Zip:	90230-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **COLLINS & ASSOCIATES** **CA San Diego Co. HMMD** **S106062850**
7515 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	129094
Business Type:	6HK18
EPA Id Number:	CAL000067364
APN:	677-390-11-00
Last HMMD Inspection:	10/05/1994
Permit Status:	INAC
Permit Expiration:	05/31/1995
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

35 **CARDINAL HEALTH NPS** **CA San Diego Co. HMMD** **S106062004**
7515 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	206948
Business Type:	6HK37
EPA Id Number:	CAL000039668
APN:	677-390-11-00
Last HMMD Inspection:	10/04/2012
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Facility Owner:	JOHN FERRARI
Facility Address:	7515 METROPOLITAN DR #405
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	206948
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 491 UNSPECIFIED SLUDGE WASTE
Other Information:	INK SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	206948
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	BLEACH FIX/ DIRECT PLATE PROCESS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	206948
Update Date:	11/02/2012
Inspection Date:	03/21/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	206948
Update Date:	11/02/2012
Inspection Date:	03/21/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT

CARDINAL HEALTH NPS (Continued) **S106062004**

Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	206948
Update Date:	11/02/2012
Inspection Date:	09/03/2009
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	206948
Update Date:	11/02/2012
Inspection Date:	09/03/2009
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	206948
Update Date:	11/02/2012
Inspection Date:	03/17/2011
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	136256
Business Type:	6HK37
EPA Id Number:	CAL000039668
APN:	677-390-11-00
Last HMMD Inspection:	04/27/2005
Permit Status:	INAC
Permit Expiration:	06/30/2006
Facility Owner:	ROBERT BAIRD
Facility Address:	7515 METROPOLITAN DR #405
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported
Facility Id:	201862
Business Type:	6HK58

CARDINAL HEALTH NPS (Continued) **S106062004**

EPA Id Number:	Not reported
APN:	677-390-11-00
Last HMMD Inspection:	05/04/2012
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	CARDINAL HEALTH 414, INC
Facility Address:	7000 CARDINAL PL
Facility City:	DUBLIN
Facility State:	OH
Facility Zip:	43017
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	N

Active Permits:

Facility Id:	201862
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201862
Update Date:	11/02/2012
Inspection Date:	05/07/2004
Violation Code:	6HV4351
Violation:	LQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial Submission/updates)(LQG). 117960, 117970
Activity:	ACTIVE

Facility Id:	201862
Update Date:	11/02/2012
Inspection Date:	05/07/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	123171
Business Type:	6HK18
EPA Id Number:	CAL000110701
APN:	677-390-11-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	02/04/2000
Facility Owner:	AMERICAN REPROGRAPHICS CORP
Facility Address:	7515 METROPOLITAN DR #401

CARDINAL HEALTH NPS (Continued) **S106062004**

Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-4402
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	201862
Business Type:	6HK58
EPA Id Number:	Not reported
APN:	677-390-11-00
Last HMMD Inspection:	05/04/2012
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	CARDINAL HEALTH 414, INC
Facility Address:	7000 CARDINAL PL
Facility City:	DUBLIN
Facility State:	OH
Facility Zip:	43017
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	N

Active Permits:

Facility Id:	201862
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201862
Update Date:	11/02/2012
Inspection Date:	05/07/2004
Violation Code:	6HV4351
Violation:	LQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial Submission/updates)(LQG). 117960, 117970
Activity:	ACTIVE

Facility Id:	201862
Update Date:	11/02/2012
Inspection Date:	05/07/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business

CARDINAL HEALTH NPS (Continued) **S106062004**

plan. HSC 25503.5(a)
Activity: ACTIVE

Click this hyperlink while viewing on your computer to access
2 additional CA_HMMD: record(s) in the EDR Site Report.

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35 **MANTOANI/WILLIAMS STUDIO** **CA HAZNET** **S113047583**
7515 METROPOLITAN DR #403 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113047583
Year:	1996
GEPAID:	CAL000067364
Contact:	T MANTOANI & M WILLIAMS
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3615 INDIA ST # B
Mailing City,St,Zip:	SAN DIEGO, CA 921030000
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.1251
Facility County:	San Diego

envid:	S113047583
Year:	1995
GEPAID:	CAL000067364
Contact:	T MANTOANI & M WILLIAMS
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3615 INDIA ST # B
Mailing City,St,Zip:	SAN DIEGO, CA 921030000
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.1876
Facility County:	San Diego

envid:	S113047583
Year:	1994
GEPAID:	CAL000067364
Contact:	T MANTOANI & M WILLIAMS
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3615 INDIA ST # B
Mailing City,St,Zip:	SAN DIEGO, CA 921030000
Gen County:	Not reported
TSD EPA ID:	CAD982524613
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.1251

MANTOANI/WILLIAMS STUDIO (Continued) **S113047583**

Facility County: San Diego

envid: S113047583
Year: 1993
GEPAID: CAL000067364
Contact: T MANTOANI & M WILLIAMS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 3615 INDIA ST # B
Mailing City,St,Zip: SAN DIEGO, CA 921030000
Gen County: Not reported
TSD EPA ID: CAD982524613
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 0.1668
Facility County: San Diego

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35 **ECONOMY PRINT & MAGE INC** **CA HAZNET** **S113037484**
7515 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113037484
Year: 2010
GEPAID: CAL000039668
Contact: SUSANNE GUSTAVSON-CONTROLLER
Telephone: 6192958307
Mailing Name: Not reported
Mailing Address: 12642 STOUTWOOD ST
Mailing City,St,Zip: POWAY, CA 920640000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0495
Facility County: San Diego

envid: S113037484
Year: 2010
GEPAID: CAL000039668
Contact: SUSANNE GUSTAVSON-CONTROLLER
Telephone: 6192958307
Mailing Name: Not reported
Mailing Address: 12642 STOUTWOOD ST
Mailing City,St,Zip: POWAY, CA 920640000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0495
Facility County: San Diego

envid: S113037484
Year: 2010
GEPAID: CAL000039668

ECONOMY PRINT & MAGE INC (Continued) **S113037484**

Contact:	SUSANNE GUSTAVSON-CONTROLLER
Telephone:	6192958307
Mailing Name:	Not reported
Mailing Address:	12642 STOUTWOOD ST
Mailing City,St,Zip:	POWAY, CA 920640000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0495
Facility County:	San Diego

envid:	S113037484
Year:	2008
GEPAID:	CAL000039668
Contact:	SUSANNE GUSTAVSON-CONTROLLER
Telephone:	6192958307
Mailing Name:	Not reported
Mailing Address:	12642 STOUTWOOD ST
Mailing City,St,Zip:	POWAY, CA 920640000
Gen County:	Not reported
TSD EPA ID:	CAD980884183
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075
Facility County:	San Diego

envid:	S113037484
Year:	2008
GEPAID:	CAL000039668
Contact:	SUSANNE GUSTAVSON-CONTROLLER
Telephone:	6192958307
Mailing Name:	Not reported
Mailing Address:	12642 STOUTWOOD ST
Mailing City,St,Zip:	POWAY, CA 920640000
Gen County:	Not reported
TSD EPA ID:	CAD980884183
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
37 additional CA_HAZNET: record(s) in the EDR Site Report.

35 **SYNCOR CORP** **CA San Diego Co. HMMD** **S106063329**
7515 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	131612
Business Type:	6HK58
EPA Id Number:	CAL000057722
APN:	677-390-11-00
Last HMMD Inspection:	05/28/2002
Permit Status:	CHNG
Permit Expiration:	05/31/2003
Facility Owner:	SYNCOR
Facility Address:	6464 CANOGA AV
Facility City:	WOODLAND HILLS
Facility State:	CA
Facility Zip:	91367-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **MOSSUTO CHIROPRACTIC CENTER** **CA San Diego Co. HMMD** **S109279566**
7540 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	208850
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	677-390-25-00
Last HMMD Inspection:	Not reported
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	DR. MARK MOSSUTO, D.C.
Facility Address:	7540 METROPOLITAN DR #109
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	208850
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	HAULER: SAN DIEGO X-RAY - TREATMENT: ALSO TREATED (103)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

35 **MURRAY RIDGE PARK** **CA LDS** **S110770314**
MISSION CENTER **N/A**
SAN DIEGO, CA 92123

LDS:

Global Id:	L10002655876
Latitude:	32.77724
Longitude:	-117.1545
Case Type:	Land Disposal Site
Status:	Open - Closed/with Monitoring
Status Date:	10/22/2013
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Caseworker:	JRO
Local Agency:	Not reported
RB Case Number:	9 000391N00
LOC Case Number:	Not reported
File Location:	Local Agency
Potential Media Affect:	Soil
EDR Link ID:	L10002655876
Potential Contaminants of Concern:	Copper, Lead, Polynuclear aromatic hydrocarbons (PAHs)
Site History:	City of San Diego burn-ash dump site.

Click here to access the California GeoTracker records for this facility:

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35 **QINETIQ** **CA San Diego Co. HMMD** **S110497166**
7410 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	209788
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	677-390-12-00
Last HMMD Inspection:	03/24/2011
Permit Status:	SUSP
Permit Expiration:	03/31/2012
Facility Owner:	APOGEN TECHNOLOGIES, INC
Facility Address:	7545 METROPOLITAN DR
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	209788
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN LIQUID
Other Information:	LIQUID N2 (250 L)
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

QINETIQ (Continued) **S110497166**

Violations Active Permits:

Facility Id:	209788
Update Date:	11/02/2012
Inspection Date:	05/15/2009
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	SUSP

Facility Id:	209788
Update Date:	11/02/2012
Inspection Date:	05/15/2009
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

Facility Id:	209788
Update Date:	11/02/2012
Inspection Date:	10/02/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	SUSP

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35 **STATE OF CA, DEPT OF GENERAL SERVICES** **CA San Diego Co. HMMD** **S109280057**
7575 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	205300
Business Type:	6HK18
EPA Id Number:	CAL000281135
APN:	677-390-05-00
Last HMMD Inspection:	08/03/2011
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Facility Owner:	STATE OF CA, DEPT OF GENERAL SERVICES
Facility Address:	7575 METROPOLITAN DR #101
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	205300
Update Date:	11/02/2012
Case Number:	68476-34-6

STATE OF CA, DEPT OF GENERAL SERVICES (Continued) **S109280057**

Name: DIESEL FUEL OIL NO. 2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Violations Active Permits:
Facility Id: 205300
Update Date: 11/02/2012
Inspection Date: 04/29/2005
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 205300
Update Date: 11/02/2012
Inspection Date: 04/29/2005
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

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35 **UC SAN DIEGO** **CA HAZNET** **S113070271**
7425 MISSION VALLEY ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113070271
Year: 1998
GEPAID: CAL000124525
Contact: UNIVERSITY OF CALIF REGENTS
Telephone: 6195342753
Mailing Name: Not reported
Mailing Address: 9500 GILMAN DR
Mailing City,St,Zip: LA JOLLA, CA 920930958
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: .0374
Facility County: San Diego

envid: S113070271
Year: 1998
GEPAID: CAL000124525
Contact: UNIVERSITY OF CALIF REGENTS
Telephone: 6195342753
Mailing Name: Not reported
Mailing Address: 9500 GILMAN DR
Mailing City,St,Zip: LA JOLLA, CA 920930958
Gen County: Not reported
TSD EPA ID: CAD008364432

UC SAN DIEGO (Continued) **S113070271**

TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Treatment, Incineration
Tons: .0020
Facility County: San Diego

envid: S113070271
Year: 1997
GEPAID: CAL000124525
Contact: UNIVERSITY OF CALIF REGENTS
Telephone: 6195342753
Mailing Name: Not reported
Mailing Address: 9500 GILMAN DR
Mailing City,St,Zip: LA JOLLA, CA 920930958
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: .4170
Facility County: San Diego

envid: S113070271
Year: 1997
GEPAID: CAL000124525
Contact: UNIVERSITY OF CALIF REGENTS
Telephone: 6195342753
Mailing Name: Not reported
Mailing Address: 9500 GILMAN DR
Mailing City,St,Zip: LA JOLLA, CA 920930958
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: .0208
Facility County: San Diego

envid: S113070271
Year: 1996
GEPAID: CAL000124525
Contact: UNIVERSITY OF CALIF REGENTS
Telephone: 6195342753
Mailing Name: Not reported
Mailing Address: 9500 GILMAN DR
Mailing City,St,Zip: LA JOLLA, CA 920930958
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: .0265
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

35 **TRIDENT TECHNOLOGIES INC** **CA HAZNET** **S113175014**
7425 MISSION VALLEY RD STE 207 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113175014
Year:	2012
GEPAID:	CAR000074526
Contact:	DAVID MRACHEK, VICE PRESIDENT
Telephone:	6196889600
Mailing Name:	Not reported
Mailing Address:	7425 MISSION VALLEY RD STE 207
Mailing City,St,Zip:	SAN DIEGO, CA 921084409
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005
Facility County:	San Diego

envid:	S113175014
Year:	2012
GEPAID:	CAR000074526
Contact:	DAVID MRACHEK, VICE PRESIDENT
Telephone:	6196889600
Mailing Name:	Not reported
Mailing Address:	7425 MISSION VALLEY RD STE 207
Mailing City,St,Zip:	SAN DIEGO, CA 921084409
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1015
Facility County:	San Diego

envid:	S113175014
Year:	2012
GEPAID:	CAR000074526
Contact:	DAVID MRACHEK, VICE PRESIDENT
Telephone:	6196889600
Mailing Name:	Not reported
Mailing Address:	7425 MISSION VALLEY RD STE 207
Mailing City,St,Zip:	SAN DIEGO, CA 921084409
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1015
Facility County:	San Diego

envid:	S113175014
Year:	2012
GEPAID:	CAR000074526

TRIDENT TECHNOLOGIES INC (Continued) **S113175014**

Contact:	DAVID MRACHEK, VICE PRESIDENT
Telephone:	6196889600
Mailing Name:	Not reported
Mailing Address:	7425 MISSION VALLEY RD STE 207
Mailing City,St,Zip:	SAN DIEGO, CA 921084409
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.005
Facility County:	San Diego

envid:	S113175014
Year:	2000
GEPAID:	CAR000074526
Contact:	DAVID MRACHEK, VICE PRESIDENT
Telephone:	6196889600
Mailing Name:	Not reported
Mailing Address:	7425 MISSION VALLEY RD NO 207
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	0.32
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **LITTON GUIDANCE & CONTROL SYST** **CA San Diego Co. HMMD** **S106063764**
7425 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133057
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	377-390-27-00
Last HMMD Inspection:	08/04/1992
Permit Status:	INAC
Permit Expiration:	10/31/1992
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

35 **TRIDENT TECHNOLOGIES INC** **RCRA-SQG** **1004675560**
7425 MISSION VLY RD UNIT 207 **FINDS** **CAR000074526**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 06/06/2000
Facility name: TRIDENT TECHNOLOGIES INC
Facility address: 7425 MISSION VLY RD UNIT 207
SAN DIEGO, CA 921084409
EPA ID: CAR000074526
Mailing address: 7425 MISSION VLY RD UNIT 20
SAN DIEGO, CA 921084409
Contact: DAVID MRACHEK
Contact address: 7425 MISSION VLY RD UNIT 207
SAN DIEGO, CA 921084409
Contact country: US
Contact telephone: (619) 688-9600
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: TRIDENT TECHNOLOGIES INC
Owner/operator address: 7425 MISSION VALLEY RD UNIT 20
SAN DIEGO, CA 92108
Owner/operator country: Not reported
Owner/operator telephone: (619) 688-9600
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

TRIDENT TECHNOLOGIES INC (Continued) **1004675560**

FINDS:

Registry ID: 110002937813

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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35 **UCSD REGIONAL TISSUE BANK** **CA San Diego Co. HMMD** **S106064149**
7425 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	152741
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	377-390-27-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	08/31/1993
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	134220
Business Type:	6HK58
EPA Id Number:	Not reported
APN:	377-390-27-00
Last HMMD Inspection:	04/25/2006
Permit Status:	INAC
Permit Expiration:	11/30/2006
Facility Owner:	UCSD
Facility Address:	7425 MISSION VALLEY RD #202
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y

UCSD REGIONAL TISSUE BANK (Continued) **S106064149**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 134220
Update Date: 11/02/2012
Inspection Date: 06/24/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

Facility Id: 134220
Update Date: 11/02/2012
Inspection Date: 05/25/2004
Violation Code: 6HV4212
Violation: RED BAGS NOT CONTAINERIZED
Violation Citation: Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity: Inactive Permit

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35 **TRIDENT TECHNOLOGIES INC** **CA San Diego Co. HMMD** **S106063797**
7425 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 133137
Business Type: 6HK76
EPA Id Number: Not reported
APN: 377-390-27-00
Last HMMD Inspection: 07/10/2012
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: TRIDENT TECHNOLOGIES, INC
Facility Address: 7425 MISSION VALLEY RD #207
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 133137
Update Date: 11/02/2012
Case Number: 1310-73-2
Name: SODIUM HYDROXIDE, NAOH, 50%
Other Information: LIQUID CAUSTIC SODA 1003
Material Waste: Material
Hazardous Categories 1: REACTIVE

TRIDENT TECHNOLOGIES INC (Continued) **S106063797**

Hazardous Categories 2: ACUTE

Facility Id: 133137
Update Date: 11/02/2012
Case Number: Not reported
Name: AQUCAR 545
Other Information: MICROBIOCIDE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 133137
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: PHOSPHORIC ACID
Other Information: 6137 COOLING WATER CORROSION INHIBITOR
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 133137
Update Date: 11/02/2012
Case Number: 110-91-8
Name: DCYCLOHEXYLAMINE 10%, TRIDENT 3504, CONDENSATE TREATMENT
Other Information: MORPHOLINE 30%
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 133137
Update Date: 11/02/2012
Case Number: Not reported
Name: TRIDENT 5705
Other Information: CORROSION INHIBITOR
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 133137
Update Date: 11/02/2012
Case Number: Not reported
Name: TRIDENT 6520
Other Information: COOLING WATER TREATMENT
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 133137
Update Date: 11/02/2012
Case Number: Not reported
Name: CL49
Other Information: MICROBIOCIDE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 133137

TRIDENT TECHNOLOGIES INC (Continued) **S106063797**

Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL, 55% COBRATEC 45-I, BENZOTRIAZOLE 45%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	1310-73-2
Name:	SODIUM HYDROXIDE 11%, TRIDENT 1102, BOILER TREATMENT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 1183
Other Information:	POLYMER BLEND BOILER TREATMENT
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	7681-57-4
Name:	TRIDENT 2006
Other Information:	BOILER TREATMENT
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 6060
Other Information:	CORROSION INHIBITOR, WATER TREATMENT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 6525
Other Information:	WATER ANTIFOULANT TREATMENT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	7681-52-9
Name:	SODIUM HYPOCHLORITE 12.5% NAOCL

TRIDENT TECHNOLOGIES INC (Continued) **S106063797**

Other Information:	NAOCL 12%: LIQUID CHLORINE BLEACH
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 3502
Other Information:	CONDENSATE TREATMENT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Violations Active Permits:

Facility Id:	133137
Update Date:	11/02/2012
Inspection Date:	10/02/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	133137
Business Type:	6HK76
EPA Id Number:	Not reported
APN:	377-390-27-00
Last HMMD Inspection:	07/10/2012
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	TRIDENT TECHNOLOGIES, INC
Facility Address:	7425 MISSION VALLEY RD #207
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	1310-73-2
Name:	SODIUM HYDROXIDE, NAOH, 50%
Other Information:	LIQUID CAUSTIC SODA 1003
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Facility Id:	133137
Update Date:	11/02/2012

TRIDENT TECHNOLOGIES INC (Continued) **S106063797**

Case Number:	Not reported
Name:	AQUCAR 545
Other Information:	MICROBIOCIDE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	7664-38-2
Name:	PHOSPHORIC ACID
Other Information:	6137 COOLING WATER CORROSION INHIBITOR
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	110-91-8
Name:	DCYCLOHEXYLAMINE 10%, TRIDENT 3504, CONDENSATE TREATMENT
Other Information:	MORPHOLINE 30%
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 5705
Other Information:	CORROSION INHIBITOR
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 6520
Other Information:	COOLING WATER TREATMENT
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CL49
Other Information:	MICROBIOCIDE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	ISOPROPANOL, 55% COBRATEC 45-I, BENZOTRIAZOLE 45%
Other Information:	Not reported

TRIDENT TECHNOLOGIES INC (Continued) **S106063797**

Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	133137
Update Date:	11/02/2012
Case Number:	1310-73-2
Name:	SODIUM HYDROXIDE 11%, TRIDENT 1102, BOILER TREATMENT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 1183
Other Information:	POLYMER BLEND BOILER TREATMENT
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Facility Id:	133137
Update Date:	11/02/2012
Case Number:	7681-57-4
Name:	TRIDENT 2006
Other Information:	BOILER TREATMENT
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE
Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 6060
Other Information:	CORROSION INHIBITOR, WATER TREATMENT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE
Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 6525
Other Information:	WATER ANTIFOULANT TREATMENT
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Facility Id:	133137
Update Date:	11/02/2012
Case Number:	7681-52-9
Name:	SODIUM HYPOCHLORITE 12.5% NAOCL
Other Information:	NAOCL 12%: LIQUID CHLORINE BLEACH
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

TRIDENT TECHNOLOGIES INC (Continued) **S106063797**

Facility Id:	133137
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRIDENT 3502
Other Information:	CONDENSATE TREATMENT
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Violations Active Permits:

Facility Id:	133137
Update Date:	11/02/2012
Inspection Date:	10/02/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE

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35 **VULCAN- CAL-MAT DIVISION** **CA AST** **S105112987**
5745 MISSION CENTER RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

AST:

Certified Unified Program Agencies:	San Diego
Owner:	CAL-MAT COMPANY
Total Gallons:	12990

SAN DIEGO CO. HMMD:

Facility Id:	129603
Business Type:	6HK70
EPA Id Number:	CAD983594854
APN:	438-012-01-00
Last HMMD Inspection:	03/09/2011
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	VULCAN MATERIALS COMPANY
Facility Address:	7220 TRADE ST #200
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121
UST Owner:	CAL-MAT COMPANY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 129603 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL
Additional Id:	1 UNLEADED
Capacity Gallons:	10000

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 129603 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL
Additional Id:	2 DIESEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 129603 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	UNKNOWN
Additional Id:	3 WASTE OIL
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 129603 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 129603 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	DOUBLE WALL
Additional Id:	5/AT5218
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2005-11-07 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL
UST Name:	UNDERGROUND TANK 129603 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	DOUBLE WALL
Additional Id:	6/AT5218
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2005-11-07 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL
UST Name:	UNDERGROUND TANK 129603 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-04-26 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 129603 T008

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	DOUBLE WALL
Additional Id:	2 DIESEL, RT3736; RT3736/AT5506
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	2011-06-06 00:00:00
Year Installed:	1990-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	CALCIUM NITRATE/NITRATE BASED SOLUTION
Other Information:	POLARSET
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	HYDROXYCARBOXYLIC ACID 15%;RECOVER (CONCRETE ADDITIVE)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRUCK WASH
Other Information:	READY-MIX TRUCK WASH & WAX
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	179733-16-5
Name:	2-PROPENOIC ACID 35%

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Other Information: ADVAFLOW - CONCRETE ADDITIVE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, C2H2, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 129603
Update Date: 11/02/2012
Case Number: Not reported
Name: AQUEOUS SOLUTION OF LIGNOSULFONATE, MELAMINE POLYMER & AMINE
Other Information: MIRE 85
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: MIXTURE
Name: CARBOXYLATED POLYETHER
Other Information: ADVA 170 AND 370
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: Not reported
Name: ZEP ORANGE GEL DEGREASER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: MIXTURE
Name: LUBE GREASE
Other Information: HIGHLY REFINED BASE OILS
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: USED COOLANT, ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OILS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AQUEOUS SOLUTION OF LIGNOSULFONATE
Other Information:	WRDA-14 & DARATARD 17
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AQUEOUS SOLUTION OF CALCIUM CHLORIDE
Other Information:	GRACE ACCELERATOR
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	61790-50-9
Name:	DARAVAIR 1000
Other Information:	CONCRETE ADDITIVE - RESIN/ROSIN ACID SALTS 10%
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ETHYLENE GLYCOL 10%-LIQUID COLOR (CONCRETE ADDITIVE)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603

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Update Date:	11/02/2012
Case Number:	10024-97-2
Name:	NITRIOUS OXIDE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, O2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	LIQUIFIED PETROLEUM GAS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	13780-06-8
Name:	CALCIUM NITRITE, 30%, CALCIUM NITRATE 5%
Other Information:	DCI CORROSION INHIBITOR, CONCRETE ADDITIVE 10124-37-5
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN, N2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	65997-15-1
Name:	PORTLAND CEMENT-POWDER

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Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	POTASSIUM HYDROXIDE, K0H, 1%;
Other Information:	SODIUM HYDROXIDE, NAOH, 1%, DARAVAIR 1000
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	57-55-6
Name:	PROPYLENE GLYCOL, 99%: ENGINE ANTIFREEZE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	SILICA, 57%; ALUMINUM OXIDE, 25% : FLY ASH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	6152-33-6
Name:	TRIETHANOLAMINE 6% SODIUM O-PHENYLPHENATE
Other Information:	TETRAHYDRATE, 1% : DARATARD 17, & WRDA -64, CONCRETE ADDTIVE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	SAFETY KLEEN AQUEOUS CLNR
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 451 DEGREASING SLUDGE
Other Information:	SUMP SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported

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Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON, AR, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: Not reported
Name: BARRACUDA / TRUCK WASH SOAP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING, MOTOR OIL, ATF, GEAR, TORQUE
Other Information: HYDRAULIC
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 129603
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: DIRT, OIL, GREASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: MIXTURE
Name: ALPHATIC PROPYLENE GLYCOL ETHERS
Other Information: ECLIPSE - CONCRETE ADMIXTURE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Update Date:	11/02/2012
Case Number:	MIX
Name:	BUCKEYE ULTRAFIBER 500
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	03/21/2007
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV1604
Violation:	2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation:	Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity:	ACTIVE

Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0205
Violation:	WASTE CONTAINER: POOR CONDITION
Violation Citation:	Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171
Activity:	ACTIVE

Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

Facility Id:	129603
Update Date:	11/02/2012

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Inspection Date:	03/21/2007
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	03/09/2011
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	03/21/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	129603
Business Type:	6HK70
EPA Id Number:	CAD983594854
APN:	438-012-01-00
Last HMMD Inspection:	03/09/2011
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	VULCAN MATERIALS COMPANY
Facility Address:	7220 TRADE ST #200
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

UST Owner:	CAL-MAT COMPANY
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 129603 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL
Additional Id:	1 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 129603 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL
Additional Id:	2 DIESEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 129603 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	UNKNOWN
Additional Id:	3 WASTE OIL
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 129603 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 129603 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	DOUBLE WALL
Additional Id:	5/AT5218
Capacity Gallons:	15000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2005-11-07 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL

UST Name:	UNDERGROUND TANK 129603 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	DOUBLE WALL
Additional Id:	6/AT5218
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2005-11-07 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL

UST Name:	UNDERGROUND TANK 129603 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	SINGLE WALL

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Additional Id:	1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-04-26 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 129603 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	129603
Tank Type:	DOUBLE WALL
Additional Id:	2 DIESEL, RT3736; RT3736/AT5506
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	2011-06-06 00:00:00
Year Installed:	1990-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	CALCIUM NITRATE/NITRATE BASED SOLUTION
Other Information:	POLARSET
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	HYDROXYCARBOXYLIC ACID 15%;RECOVER (CONCRETE ADDITIVE)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	TRUCK WASH
Other Information:	READY-MIX TRUCK WASH & WAX
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	179733-16-5
Name:	2-PROPENOIC ACID 35%
Other Information:	ADVAFLOW - CONCRETE ADDITIVE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE, C2H2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	AQUEOUS SOLUTION OF LIGNOSULFONATE, MELAMINE POLYMER & AMINE
Other Information:	MIRE 85
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	CARBOXYLATED POLYETHER
Other Information:	ADVA 170 AND 370
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ZEP ORANGE GEL DEGREASER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE

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Name:	LUBE GREASE
Other Information:	HIGHLY REFINED BASE OILS
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information:	USED COOLANT, ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OILS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AQUEOUS SOLUTION OF LIGNOSULFONATE
Other Information:	WRDA-14 & DARATARD 17
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AQUEOUS SOLUTION OF CALCIUM CHLORIDE
Other Information:	GRACE ACCELERATOR
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	129603
Update Date:	11/02/2012
Case Number:	61790-50-9
Name:	DARAVAIR 1000
Other Information:	CONCRETE ADDITIVE - RESIN/ROSIN ACID SALTS 10%
Material Waste:	Material

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 129603
Update Date: 11/02/2012
Case Number: Not reported
Name: ETHYLENE GLYCOL 10%-LIQUID COLOR (CONCRETE ADDITIVE)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 10024-97-2
Name: NITRIOUS OXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, O2, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: LIQUIFIED PETROLEUM GAS
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 13780-06-8
Name: CALCIUM NITRITE, 30%, CALCIUM NITRATE 5%
Other Information: DCI CORROSION INHIBITOR, CONCRETE ADDITIVE 10124-37-5
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN, N2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	65997-15-1
Name:	PORTLAND CEMENT-POWDER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	1310-58-3
Name:	POTASSIUM HYDROXIDE, K0H, 1%;
Other Information:	SODIUM HYDROXIDE, NAOH, 1%, DARAVAIR 1000
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	57-55-6
Name:	PROPYLENE GLYCOL, 99%: ENGINE ANTIFREEZE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	SILICA, 57%; ALUMINUM OXIDE, 25% : FLY ASH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	6152-33-6
Name:	TRIETHANOLAMINE 6% SODIUM O-PHENYLPHENATE
Other Information:	TETRAHYDRATE, 1% : DARATARD 17, & WRDA -64, CONCRETE ADDTIVE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	SAFETY KLEEN AQUEOUS CLNR
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 451 DEGREASING SLUDGE
Other Information:	SUMP SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON, AR, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	BARRACUDA / TRUCK WASH SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING, MOTOR OIL, ATF, GEAR, TORQUE
Other Information:	HYDRAULIC
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	DIRT, OIL, GREASE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129603
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	Not reported
Material Waste:	Waste

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: MIXTURE
Name: ALPHATIC PROPYLENE GLYCOL ETHERS
Other Information: ECLIPSE - CONCRETE ADMIXTURE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 129603
Update Date: 11/02/2012
Case Number: MIX
Name: BUCKEYE ULTRAFIBER 500
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 129603
Update Date: 11/02/2012
Inspection Date: 03/21/2007
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Facility Id: 129603
Update Date: 11/02/2012
Inspection Date: 08/27/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 129603
Update Date: 11/02/2012
Inspection Date: 08/27/2003
Violation Code: 6HV1604
Violation: 2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation: Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity: ACTIVE

Facility Id: 129603
Update Date: 11/02/2012
Inspection Date: 08/27/2003
Violation Code: 6HV0205
Violation: WASTE CONTAINER: POOR CONDITION
Violation Citation: Failed to transfer hazardous waste from a container that leaked or was in poor condition to another container in good condition. CCR 66265.171

VULCAN- CAL-MAT DIVISION (Continued) **S105112987**

Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	03/21/2007
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	03/09/2011
Violation Code:	6HV0149
Violation:	NO RECEIPTS (3 YRS) FOR OIL/FUEL FILTERS
Violation Citation:	Failed to keep disposal receipts (3 years) for drained used oil filters and/or drained fuel filters. 25250.22 and 66266.130(c)(5)
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	03/21/2007
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0215
Violation:	OIL FILTERS IMPROPERLY MANAGED
Violation Citation:	Used oil filters not properly drained, stored, or labeled prior to transport for the purpose of metal reclamation. CCR 66266.130
Activity:	ACTIVE
Facility Id:	129603
Update Date:	11/02/2012
Inspection Date:	08/27/2003
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

35 **MISSION VALLEY** **CA NPDES** **S103665445**
5745 MISSION CENTER RD **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA San Diego Co. HMMD**
CA EMI

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	218329
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I005217
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/30/2015
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	04/09/1992
STATUS CODE NAME:	Terminated
STATUS DATE:	04/28/2015
PLACE SIZE:	242
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Bill Woyshner
FACILITY CONTACT TITLE:	Plant Manager
FACILITY CONTACT PHONE:	323-258-2777
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	CalMat Co dba Vulcan Materials Co
OPERATOR ADDRESS:	500 N Brand Boulevard
OPERATOR CITY:	Glendale
OPERATOR STATE:	California
OPERATOR ZIP:	91203
OPERATOR CONTACT NAME:	Bill Woyshner
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	323-258-2777
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	323-258-2777
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported

MISSION VALLEY (Continued) **S103665445**

CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Charles St John
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	21-JUN-12
PRIMARY SIC:	1442-Construction Sand and Gravel
SECONDARY SIC:	3273-Ready-Mixed Concrete
TERTIARY SIC:	2951-Asphalt Paving Mixtures and Blocks

Npdes Number:	CAS000001
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	218329
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I005217
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/09/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/30/2015
Discharge Name:	CalMat Co dba Vulcan Materials Co
Discharge Address:	500 N Brand Boulevard
Discharge City:	Glendale
Discharge State:	California
Discharge Zip:	91203
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported

MISSION VALLEY (Continued) **S103665445**

OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

LUST:

Region:	STATE
Global Id:	T0607393442
Latitude:	32.775803
Longitude:	-117.151958
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/01/2008
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
LOC Case Number:	H29603-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply

MISSION VALLEY (Continued) **S103665445**

Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607393442
Status: Completed - Case Closed
Status Date: 12/01/2008

Global Id: T0607393442
Status: Open - Case Begin Date
Status Date: 05/29/2002

Global Id: T0607393442
Status: Open - Remediation
Status Date: 10/27/2003

Regulatory Activities:
Global Id: T0607393442
Action Type: Other
Date: 05/29/2002
Action: Leak Began

Global Id: T0607393442
Action Type: Other
Date: 05/29/2002
Action: Leak Discovery

Global Id: T0607393442
Action Type: Other
Date: 05/29/2002
Action: Leak Stopped

Global Id: T0607393442
Action Type: ENFORCEMENT
Date: 09/03/2002
Action: Notice of Responsibility

Global Id: T0607393442
Action Type: Other
Date: 06/25/2002
Action: Leak Reported

Global Id: T0607393442
Action Type: ENFORCEMENT
Date: 12/04/2008
Action: Closure/No Further Action Letter

Global Id: T0607393442
Action Type: ENFORCEMENT
Date: 09/24/2008
Action: Notification - Public Notice of Case Closure

SAN DIEGO CO. HMMD:
Facility Id: 133408

MISSION VALLEY (Continued) **S103665445**

Business Type:	6HK18
EPA Id Number:	Not reported
APN:	438-012-01-00
Last HMMD Inspection:	06/01/1994
Permit Status:	INAC
Permit Expiration:	11/30/1994
Facility Owner:	R E HAZARD CONTRACTING COMPANY
Facility Address:	6465 MARINDUSTRY PL
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

EMI:

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	17
NOX - Oxides of Nitrogen Tons/Yr:	10
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	158
Part. Matter 10 Micrometers & Smllr Tons/Yr:	72

Year:	1998
County Code:	37
Air Basin:	SD

MISSION VALLEY (Continued) **S103665445**

Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	17
NOX - Oxides of Nitrogen Tons/Yr:	10
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	146
Part. Matter 10 Micrometers & Smllr Tons/Yr:	61

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	17
NOX - Oxides of Nitrogen Tons/Yr:	10
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	146
Part. Matter 10 Micrometers & Smllr Tons/Yr:	61

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	20
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	128
Part. Matter 10 Micrometers & Smllr Tons/Yr:	54

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported

MISSION VALLEY (Continued) **S103665445**

Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	20
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	128
Part. Matter 10 Micrometers & Smllr Tons/Yr:	54

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	20
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	128
Part. Matter 10 Micrometers & Smllr Tons/Yr:	54

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	20
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	128
Part. Matter 10 Micrometers & Smllr Tons/Yr:	54

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.733129
Reactive Organic Gases Tons/Yr:	2.228511
Carbon Monoxide Emissions Tons/Yr:	19.57
NOX - Oxides of Nitrogen Tons/Yr:	4.082302
SOX - Oxides of Sulphur Tons/Yr:	0.023484
Particulate Matter Tons/Yr:	127.9991577

MISSION VALLEY (Continued) **S103665445**

Part. Matter 10 Micrometers & Smllr Tons/Yr:	53.69170599
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.540589
Reactive Organic Gases Tons/Yr:	1.420521
Carbon Monoxide Emissions Tons/Yr:	22.3113
NOX - Oxides of Nitrogen Tons/Yr:	5.68604
SOX - Oxides of Sulphur Tons/Yr:	.020071
Particulate Matter Tons/Yr:	111.7096902231401777
Part. Matter 10 Micrometers & Smllr Tons/Yr:	64.238337
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.74825
Reactive Organic Gases Tons/Yr:	1.50825
Carbon Monoxide Emissions Tons/Yr:	22.85
NOX - Oxides of Nitrogen Tons/Yr:	6.05
SOX - Oxides of Sulphur Tons/Yr:	.02
Particulate Matter Tons/Yr:	153.4777355
Part. Matter 10 Micrometers & Smllr Tons/Yr:	66.33711666
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.74825
Reactive Organic Gases Tons/Yr:	1.50825
Carbon Monoxide Emissions Tons/Yr:	22.85
NOX - Oxides of Nitrogen Tons/Yr:	6.05
SOX - Oxides of Sulphur Tons/Yr:	.02
Particulate Matter Tons/Yr:	153.47774
Part. Matter 10 Micrometers & Smllr Tons/Yr:	66.33712
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	56

MISSION VALLEY (Continued) **S103665445**

Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.480165
Reactive Organic Gases Tons/Yr:	1.350165
Carbon Monoxide Emissions Tons/Yr:	18.93
NOX - Oxides of Nitrogen Tons/Yr:	4.9
SOX - Oxides of Sulphur Tons/Yr:	.02
Particulate Matter Tons/Yr:	128.1124
Part. Matter 10 Micrometers & Smllr Tons/Yr:	55.79822

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.4900000000000002
Reactive Organic Gases Tons/Yr:	1.3600000000000001
Carbon Monoxide Emissions Tons/Yr:	18.940000000000001
NOX - Oxides of Nitrogen Tons/Yr:	4.9100000000000001
SOX - Oxides of Sulphur Tons/Yr:	0.02
Particulate Matter Tons/Yr:	128.28999999999999
Part. Matter 10 Micrometers & Smllr Tons/Yr:	55.960000000000001

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3999999999999999
Reactive Organic Gases Tons/Yr:	1.3100000000000001
Carbon Monoxide Emissions Tons/Yr:	19.079999999999998
NOX - Oxides of Nitrogen Tons/Yr:	4.7699999999999996
SOX - Oxides of Sulphur Tons/Yr:	0.02
Particulate Matter Tons/Yr:	101.66082
Part. Matter 10 Micrometers & Smllr Tons/Yr:	44.15701

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.11

MISSION VALLEY (Continued) **S103665445**

Reactive Organic Gases Tons/Yr:	1.17
Carbon Monoxide Emissions Tons/Yr:	17.48
NOX - Oxides of Nitrogen Tons/Yr:	4.37
SOX - Oxides of Sulphur Tons/Yr:	0.02
Particulate Matter Tons/Yr:	83.02
Part. Matter 10 Micrometers & Smllr Tons/Yr:	36.54

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	56
Air District Name:	SD
SIC Code:	1429
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.11
Reactive Organic Gases Tons/Yr:	1.17
Carbon Monoxide Emissions Tons/Yr:	17.48
NOX - Oxides of Nitrogen Tons/Yr:	4.37
SOX - Oxides of Sulphur Tons/Yr:	0.02
Particulate Matter Tons/Yr:	83.02
Part. Matter 10 Micrometers & Smllr Tons/Yr:	36.54

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35 **CAL MAT COMPANY** **CA SAN DIEGO CO. SAM** **S106874614**
5745 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. SAM:

Case Number:	H29603-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	12/6/2008
Date Began:	5/29/2002

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35 **CAL-MAT COMPANY** **CA UST** **U003789895**
5745 MISSION CENTER RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108

UST:

Facility ID:	H29603
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.777911
Longitude:	-117.150133

SWEEPS UST:

Status:	Active
Comp Number:	29603
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported

CAL-MAT COMPANY (Continued) **U003789895**

SWRCB Tank Id:	37-000-029603-000005
Tank Status:	A
Capacity:	15000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	2
Status:	Active
Comp Number:	29603
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029603-000006
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	29603
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029603-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4
Status:	Not reported
Comp Number:	29603
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029603-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT

CAL-MAT COMPANY (Continued) **U003789895**

Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 29603
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-029603-000003
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: CHEMICAL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 29603
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-029603-000004
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

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35 **CALMAT CO MISSION VALLEY** **RCRA-SQG** **1000595535**
5745 MISSION CTR RD **CAD983594854**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 11/04/1991
Facility name: CALMAT CO MISSION VALLEY
Facility address: 5745 MISSION CTR RD
SAN DIEGO, CA 92108
EPA ID: CAD983594854
Mailing address: P O BOX 3098
SAN DIEGO, CA 92163
Contact: VARISCO TONY
Contact address: 5745 MISSION CTR RD
SAN DIEGO, CA 92108
Contact country: US
Contact telephone: (619) 298-0551
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Small Small Quantity Generator

CALMAT CO MISSION VALLEY (Continued) **1000595535**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CALMAT CO
Owner/operator address:	PO BOX 2950 TERMINAL ANNEX LOS ANGELES, CA 92163
Owner/operator country:	Not reported
Owner/operator telephone:	(213) 258-2777
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	08/27/2003
Date achieved compliance:	08/27/2003
Violation lead agency:	State
Enforcement action:	Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported

CALMAT CO MISSION VALLEY (Continued) **1000595535**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/27/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/27/2003
Evaluation lead agency: State Contractor/Grantee

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35 **MISSION VALLEY PLANT COMPLEX** **CA WDS** **S105255810**
5745 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

WDS:
Facility ID: San Diego 000000260
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 9
Facility Telephone: Not reported
Facility Contact: TONY VARISCO
Agency Name: VULCAN MATERIALS
Agency Address: PO BOX 3098
Agency City,St,Zip: SAN DIEGO 92163
Agency Contact: tony varisco
Agency Telephone: 8585473768
Agency Type: Private
SIC Code: 1442
SIC Code 2: 3273
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste: WSHWTR
Waste Type2: Not reported
Waste2: Washwater Waste (Product washwater wastes: E.G., photo reuse wastewater, vegetable washwater)
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher

MISSION VALLEY PLANT COMPLEX (Continued) **S105255810**

Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

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35 **VULCAN MISSION VALLEY** **FINDS** **1016305306**
5745 MISSION CENTER ROAD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110013854668

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

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35 **JD EDWARDS CO INC** **CA HAZNET** **S112960361**
5745 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112960361
Year:	2007
GEPAID:	CAC002614933
Contact:	MATT RUSSO
Telephone:	9093763844
Mailing Name:	Not reported
Mailing Address:	987 W FOOTHILL BLVD STE D
Mailing City,St,Zip:	CLAREMONT, CA 91711
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without

JD EDWARDS CO INC (Continued) **S112960361**

Treatment)
Tons: 4.17
Facility County: San Diego

envid: S112960361
Year: 2007
GEPAID: CAC002614933
Contact: MATT RUSSO
Telephone: 9093763844
Mailing Name: Not reported
Mailing Address: 987 W FOOTHILL BLVD STE D
Mailing City,St,Zip: CLAREMONT, CA 91711
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.85
Facility County: San Diego

envid: S112960361
Year: 2007
GEPAID: CAC002614933
Contact: MATT RUSSO
Telephone: 9093763844
Mailing Name: Not reported
Mailing Address: 987 W FOOTHILL BLVD STE D
Mailing City,St,Zip: CLAREMONT, CA 91711
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Unspecified sludge waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22
Facility County: San Diego

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35 **CALMAT CO/MISSION VALLEY** **CA HAZNET** **S113017708**
5745 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113017708
Year: 2013
GEPAID: CAD983594854
Contact: JOHN JANKE
Telephone: 3233129960
Mailing Name: Not reported
Mailing Address: 500 N BRAND BLVD
Mailing City,St,Zip: GLENDALE, CA 912030000
Gen County: San Diego
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.42

CALMAT CO/MISSION VALLEY (Continued) **S113017708**

Facility County: Not reported

envid: S113017708
Year: 2013
GEPAID: CAD983594854
Contact: JOHN JANKE
Telephone: 3233129960
Mailing Name: Not reported
Mailing Address: 500 N BRAND BLVD
Mailing City,St,Zip: GLENDALE, CA 912030000
Gen County: San Diego
TSD EPA ID: AZ0000337360
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.34162
Facility County: Not reported

envid: S113017708
Year: 2013
GEPAID: CAD983594854
Contact: JOHN JANKE
Telephone: 3233129960
Mailing Name: Not reported
Mailing Address: 500 N BRAND BLVD
Mailing City,St,Zip: GLENDALE, CA 912030000
Gen County: San Diego
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.31275
Facility County: Not reported

envid: S113017708
Year: 2013
GEPAID: CAD983594854
Contact: JOHN JANKE
Telephone: 3233129960
Mailing Name: Not reported
Mailing Address: 500 N BRAND BLVD
Mailing City,St,Zip: GLENDALE, CA 912030000
Gen County: San Diego
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01
Facility County: Not reported

envid: S113017708
Year: 2013
GEPAID: CAD983594854
Contact: JOHN JANKE

CALMAT CO/MISSION VALLEY (Continued) **S113017708**

Telephone:	3233129960
Mailing Name:	Not reported
Mailing Address:	500 N BRAND BLVD
Mailing City,St,Zip:	GLENDALE, CA 912030000
Gen County:	San Diego
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
133 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **CAL MAT COMPANY** **CA RGA LUST** **S114589266**
5745 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	CAL MAT COMPANY	5745 MISSION CENTER RD
2011	CAL MAT COMPANY	5745 MISSION CENTER RD
2010	CAL MAT COMPANY	5745 MISSION CENTER RD
2009	CAL MAT COMPANY	5745 MISSION CENTER RD
2008	CAL MAT COMPANY	5745 MISSION CENTER RD
2007	CAL MAT COMPANY	5745 MISSION CENTER RD
2006	CAL MAT COMPANY	5745 MISSION CENTER RD
2005	CAL MAT COMPANY	5745 MISSION CENTER RD

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35 **J D EDWARDS CO INC** **CA HAZNET** **S112948375**
5745 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112948375
Year:	2006
GEPAID:	CAC002595174
Contact:	DUC BUI
Telephone:	9096255354
Mailing Name:	Not reported
Mailing Address:	PO BOX 7368
Mailing City,St,Zip:	LA VERNE, CA 917507368
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	15.17
Facility County:	San Diego

envid:	S112948375
Year:	2006
GEPAID:	CAC002595174
Contact:	DUC BUI
Telephone:	9096255354

J D EDWARDS CO INC (Continued) **S112948375**

Mailing Name: Not reported
Mailing Address: PO BOX 7368
Mailing City,St,Zip: LA VERNE, CA 917507368
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 12.64
Facility County: San Diego

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35 CALMAT CO **US MINES** **1016468072**
N/A

SAN DIEGO (County), CA

US MINES:
Mine ID: 0401933
SIC code(s): 144200 000000 000000 000000 000000 000000
Entity name: MISSION VALLEY PLANT
Company: CALMAT CO
Status: 4
Status date: 20110808
Operation Class: non-Coal Mining
Number of shops: 0
Number of plants: 0
Latitude: 32 46 39
Longitude: 117 09 16

Violations Details:
Violation Number: 6431762
Date Issued: 12/27/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 02/05/2008
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2007

Violation Number: 6431761
Date Issued: 12/27/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 02/05/2008
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00

CALMAT CO (Continued) **1016468072**

Year: 2007

Violation Number: 6431759
Date Issued: 12/27/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/27/2007
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2007

Violation Number: 6431760
Date Issued: 12/27/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/27/2007
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2007

Violation Number: 6431755
Date Issued: 12/26/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/26/2007
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2007

Violation Number: 6431756
Date Issued: 12/26/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/26/2007
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00

CALMAT CO (Continued) **1016468072**

Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2007

Violation Number: 6431757
Date Issued: 12/26/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/26/2007
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2007

Violation Number: 6431758
Date Issued: 12/26/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/26/2007
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2007

Violation Number: 6431754
Date Issued: 12/19/2007
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/20/2007
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 127.00
Paid Penalty: 127.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 127.00
Year: 2007

Violation Number: 6441214
Date Issued: 12/15/2008
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/15/2008
Citation/Order: Citation

CALMAT CO (Continued) **1016468072**

Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2008

Violation Number: 6364377
Date Issued: 12/07/2004
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/08/2004
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 60.00
Paid Penalty: 60.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 60.00
Year: 2004

Violation Number: 6364376
Date Issued: 12/07/2004
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/22/2004
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 60.00
Paid Penalty: 60.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 60.00
Year: 2004

Violation Number: 6364375
Date Issued: 12/07/2004
Mine Status: Abandoned
Status Date: 08/08/2011
Action Type: 104(a)
Date Abated: 12/07/2004
Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 60.00
Paid Penalty: 60.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 60.00
Year: 2004

Violation Number: 6364378
Date Issued: 12/07/2004
Mine Status: Abandoned
Status Date: 08/08/2011

CALMAT CO (Continued) **1016468072**

Action Type:	104(a)
Date Abated:	12/22/2004
Citation/Order:	Citation
Sig and Sub Designation:	N
Proposed Penalty:	60.00
Paid Penalty:	60.00
Assessment Status code:	Closed
Assess. Case Status code:	Proposed
Assessment Amount:	60.00
Year:	2004

Violation Number:	6364373
Date Issued:	12/06/2004
Mine Status:	Abandoned
Status Date:	08/08/2011
Action Type:	104(a)
Date Abated:	12/08/2004
Citation/Order:	Citation
Sig and Sub Designation:	N
Proposed Penalty:	60.00
Paid Penalty:	60.00
Assessment Status code:	Closed
Assess. Case Status code:	Proposed
Assessment Amount:	60.00
Year:	2004

Violation Number:	6364372
Date Issued:	12/06/2004
Mine Status:	Abandoned
Status Date:	08/08/2011
Action Type:	104(a)
Date Abated:	02/02/2005
Citation/Order:	Citation
Sig and Sub Designation:	Y
Proposed Penalty:	207.00
Paid Penalty:	207.00
Assessment Status code:	Closed
Assess. Case Status code:	Proposed
Assessment Amount:	207.00
Year:	2004

Violation Number:	6364371
Date Issued:	12/06/2004
Mine Status:	Abandoned
Status Date:	08/08/2011
Action Type:	107(a)
Date Abated:	12/06/2004
Citation/Order:	Order
Sig and Sub Designation:	Not reported
Proposed Penalty:	Not reported
Paid Penalty:	Not reported
Assessment Status code:	Not reported
Assess. Case Status code:	Not reported
Assessment Amount:	Not reported
Year:	2004

Violation Number:	6364374

CALMAT CO (Continued) **1016468072**

Date Issued:	12/06/2004
Mine Status:	Abandoned
Status Date:	08/08/2011
Action Type:	104(a)
Date Abated:	12/07/2004
Citation/Order:	Citation
Sig and Sub Designation:	N
Proposed Penalty:	60.00
Paid Penalty:	60.00
Assessment Status code:	Closed
Assess. Case Status code:	Proposed
Assessment Amount:	60.00
Year:	2004

Violation Number:	6380651
Date Issued:	09/06/2005
Mine Status:	Abandoned
Status Date:	08/08/2011
Action Type:	104(a)
Date Abated:	09/06/2005
Citation/Order:	Citation
Sig and Sub Designation:	N
Proposed Penalty:	60.00
Paid Penalty:	60.00
Assessment Status code:	Closed
Assess. Case Status code:	Proposed
Assessment Amount:	60.00
Year:	2005

Violation Number:	6339792
Date Issued:	09/04/2002
Mine Status:	Abandoned
Status Date:	08/08/2011
Action Type:	104(a)
Date Abated:	09/05/2002
Citation/Order:	Citation
Sig and Sub Designation:	N
Proposed Penalty:	55.00
Paid Penalty:	55.00
Assessment Status code:	Closed
Assess. Case Status code:	Proposed
Assessment Amount:	55.00
Year:	2002

CALMAT CO (Continued) **1016468072**

Click this hyperlink while viewing on your computer to access
64 additional US_MINES: record(s) in the EDR Site Report.

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35 **UCSD REGIONAL TISSUE BANK** **CA San Diego Co. HMMD** **S109280163**
7580 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	207913
Business Type:	6HK10
EPA Id Number:	CAL000124525
APN:	677-390-24-00
Last HMMD Inspection:	12/30/2008
Permit Status:	INAC
Permit Expiration:	07/31/2012
Facility Owner:	UCSD MEDICAL CENTER (LIFESHARING)
Facility Address:	200 W ARBOR DR, MAIL CODE 8235
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	207913
Update Date:	11/02/2012
Inspection Date:	04/04/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit

Facility Id:	207913
Update Date:	11/02/2012
Inspection Date:	04/04/2007
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	Inactive Permit

Facility Id:	207913
Business Type:	6HK10
EPA Id Number:	CAL000124525
APN:	677-390-24-00
Last HMMD Inspection:	12/30/2008
Permit Status:	INAC
Permit Expiration:	07/31/2012
Facility Owner:	UCSD MEDICAL CENTER (LIFESHARING)
Facility Address:	200 W ARBOR DR, MAIL CODE 8235
Facility City:	SAN DIEGO

UCSD REGIONAL TISSUE BANK (Continued) **S109280163**

Facility State:	CA
Facility Zip:	92103
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	207913
Update Date:	11/02/2012
Inspection Date:	04/04/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit

Facility Id:	207913
Update Date:	11/02/2012
Inspection Date:	04/04/2007
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	Inactive Permit

Facility Id:	207913
Business Type:	6HK10
EPA Id Number:	CAL000124525
APN:	677-390-24-00
Last HMMD Inspection:	12/30/2008
Permit Status:	INAC
Permit Expiration:	07/31/2012
Facility Owner:	UCSD MEDICAL CENTER (LIFESHARING)
Facility Address:	200 W ARBOR DR, MAIL CODE 8235
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	207913
Update Date:	11/02/2012
Inspection Date:	04/04/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945

UCSD REGIONAL TISSUE BANK (Continued) **S109280163**

Activity:	Inactive Permit
Facility Id:	207913
Update Date:	11/02/2012
Inspection Date:	04/04/2007
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	Inactive Permit
Facility Id:	216218
Business Type:	6HK70
EPA Id Number:	CAL000375754
APN:	677-390-24-00
Last HMMD Inspection:	07/23/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	ENGILITY C2S2
Facility Address:	7420 MISSION VALLEY RD
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	216218
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	DEBRIS WITH OIL/IPA
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	216218
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	AQUEOUS PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	216218
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE

UCSD REGIONAL TISSUE BANK (Continued) **S109280163**

Hazardous Categories 2: Not reported

Facility Id: 207913
Business Type: 6HK10
EPA Id Number: CAL000124525
APN: 677-390-24-00
Last HMMD Inspection: 12/30/2008
Permit Status: INAC
Permit Expiration: 07/31/2012
Facility Owner: UCSD MEDICAL CENTER (LIFESHARING)
Facility Address: 200 W ARBOR DR, MAIL CODE 8235
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92103
UST Owner: Not reported
Handle Regulated Hazmat: N
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 207913
Update Date: 11/02/2012
Inspection Date: 04/04/2007
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: Inactive Permit

Facility Id: 207913
Update Date: 11/02/2012
Inspection Date: 04/04/2007
Violation Code: 6HV4201
Violation: NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation: A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity: Inactive Permit

Click this hyperlink while viewing on your computer to access additional CA_HMMD: detail in the EDR Site Report.

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35 **EDR US Hist Auto Stat** **1015628835**

7650 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: CHEVRON STATIONS INC
Year: 2009
Address: 7650 MISSION VALLEY RD

35 **TIGER REPROGHAPH INC** **CA HAZNET** **S112922963**
7584 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112922963
Year:	2002
GEPAID:	CAC002553369
Contact:	JOE POWELL
Telephone:	6192978300
Mailing Name:	Not reported
Mailing Address:	7584 METROPOLITAN DR
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD980884183
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Disposal, Other
Tons:	0.04
Facility County:	San Diego

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35 **TIGER REPROGRAPHICS** **CA San Diego Co. HMMD** **S104757188**
7584 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	139056
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	677-390-24-00
Last HMMD Inspection:	07/02/2001
Permit Status:	INAC
Permit Expiration:	07/02/2001
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **OPTION CARE** **CA San Diego Co. HMMD** **S106063609**
7445 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	132628
Business Type:	6HK58
EPA Id Number:	CAD982402745
APN:	677-390-28-00
Last HMMD Inspection:	10/20/1998
Permit Status:	INAC
Permit Expiration:	10/20/1998

OPTION CARE (Continued) **S106063609**

Facility Owner:	OPTIONCARE
Facility Address:	7445 MISSION VALLEY RD #A-1
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **PACIFIC COLL. OF ORIENTAL MED.** **CA San Diego Co. HMMD** **S106067710**
7445 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	152457
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	677-390-28-00
Last HMMD Inspection:	08/13/2010
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	PACIFIC COLL OF ORIENTAL MED
Facility Address:	7445 MISSION VALLEY RD #105
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	152457
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	152457
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAG WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

35 **EDR US Hist Cleaners** **1015094078**
7592 METROPOLITAN DR **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	DEVIN JANI KING CLEANING
Year:	2003
Address:	7592 METROPOLITAN DR

Name:	DEVIN JANI KING CLEANING
Year:	2004
Address:	7592 METROPOLITAN DR

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35 **SAN DIEGO PATHOLOGISTS MEDICAL GROUP INC** **CA HAZNET** **S113150312**
7592 METROPOLITAN DR STE 406 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113150312
Year:	2013
GEPAID:	CAL000326096
Contact:	SHIRLEY RIEDY
Telephone:	6192974900
Mailing Name:	Not reported
Mailing Address:	7592 METROPOLITAN DR STE 406
Mailing City,St,Zip:	SAN DIEGO, CA 921084428
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.23
Facility County:	Not reported

envid:	S113150312
Year:	2013
GEPAID:	CAL000326096
Contact:	SHIRLEY RIEDY
Telephone:	6192974900
Mailing Name:	Not reported
Mailing Address:	7592 METROPOLITAN DR STE 406
Mailing City,St,Zip:	SAN DIEGO, CA 921084428
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	9.085
Facility County:	Not reported

envid:	S113150312
Year:	2012
GEPAID:	CAL000326096
Contact:	SHIRLEY RIEDY
Telephone:	6192974900
Mailing Name:	Not reported
Mailing Address:	7592 METROPOLITAN DR STE 406
Mailing City,St,Zip:	SAN DIEGO, CA 921084428
Gen County:	San Diego
TSD EPA ID:	ARD069748192

SAN DIEGO PATHOLOGISTS MEDICAL GROUP INC (Continued) **S113150312**

TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 9.63
Facility County: San Diego

envid: S113150312
Year: 2011
GEPAID: CAL000326096
Contact: SHIRLEY RIEDY
Telephone: 6192974900
Mailing Name: Not reported
Mailing Address: 7592 METROPOLITAN DR STE 406
Mailing City,St,Zip: SAN DIEGO, CA 921084428
Gen County: Not reported
TSD EPA ID: ARD069748192
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 3.85
Facility County: San Diego

envid: S113150312
Year: 2010
GEPAID: CAL000326096
Contact: SHIRLEY RIEDY
Telephone: 6192974900
Mailing Name: Not reported
Mailing Address: 7592 METROPOLITAN DR STE 406
Mailing City,St,Zip: SAN DIEGO, CA 921084428
Gen County: Not reported
TSD EPA ID: ARD069748192
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.225
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **FENTON TENTH AVENUE LLC** **CA HAZNET** **S117285680**
7577 MISSION VALLEY RD STE 200 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S117285680
Year: 2013
GEPAID: CAC002721067
Contact: MICHAEL GADDIE
Telephone: 6194000120
Mailing Name: Not reported
Mailing Address: 7577 MISSION VALLEY RD STE 200
Mailing City,St,Zip: SAN DIEGO, CA 921084432
Gen County: San Diego
TSD EPA ID: AZR000002428
TSD County: 99

FENTON TENTH AVENUE LLC (Continued) **S117285680**

Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1813.66
Facility County: Not reported

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35 **SCRIPPS CLINIC MISSION VALLEY** **CA San Diego Co. HMMD** **S110498272**
7565 MISSION VALLEY **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 210973
Business Type: 6HK10
EPA Id Number: Not reported
APN: 677-390-35-00
Last HMMD Inspection: 07/02/2009
Permit Status: OPEN
Permit Expiration: 10/31/2013
Facility Owner: SCRIPPS HEALTH
Facility Address: 7565 MISSION VALLEY RD #200
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 210973
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210973
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210973
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SCRIPPS CLINIC MISSION VALLEY (Continued) **S110498272**

Violations Active Permits:

Facility Id:	210973
Update Date:	11/02/2012
Inspection Date:	07/02/2009
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE

Facility Id:	210973
Update Date:	11/02/2012
Inspection Date:	07/02/2009
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	ACTIVE

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35 **MISSION VALLEY HEIGHTS SURGERY CTR LP** **FINDS** **1016429337**
7485 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110055799220

Environmental Interest/Information System
STATE MASTER

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35 **MISSION VALLEY SURGERY CTR** **CA San Diego Co. HMMD** **S105298838**
7485 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102752
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	677-390-29-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	01/31/2002
Facility Owner:	M ESA
Facility Address:	7485 MISSION VALLEY RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported

MISSION VALLEY SURGERY CTR (Continued) **S105298838**

Generate Medical Waste: Not reported

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35 **INTERVENTIONAL PAIN SPECIALISTS OF S.C.** **CA San Diego Co. HMMD** **S106070325**
7485 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	200176
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	677-390-29-00
Last HMMD Inspection:	06/03/2005
Permit Status:	INAC
Permit Expiration:	07/31/2007
Facility Owner:	MICHAEL HUNTLEY & KEVIN SMITH, M.D.
Facility Address:	7485 MISSION VALLEY RD #104B
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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35 **MISSION VALLEY HEIGHTS SURGERY CTR LP** **CA San Diego Co. HMMD** **S106071480**
7485 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201450
Business Type:	6HK58
EPA Id Number:	Not reported
APN:	677-390-29-00
Last HMMD Inspection:	10/04/2012
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	MISSION VALLEY HEIGHTS SURGERY CTR, LP
Facility Address:	7485 MISSION VALLEY RD #106
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	N

Active Permits:

Facility Id:	201450
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL

MISSION VALLEY HEIGHTS SURGERY CTR LP (Continued) **S106071480**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 10024-97-2
Name: NITROUS OXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: GENERAL INFECTIOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported

MISSION VALLEY HEIGHTS SURGERY CTR LP (Continued) **S106071480**

Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 201450
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV4202
Violation: MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation: Medical waste was not separated from other waste at the point of origin. 118275
Activity: ACTIVE

Facility Id: 201450
Update Date: 11/02/2012
Inspection Date: 02/17/2009
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 201450
Business Type: 6HK58
EPA Id Number: Not reported
APN: 677-390-29-00
Last HMMD Inspection: 10/04/2012
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: MISSION VALLEY HEIGHTS SURGERY CTR, LP
Facility Address: 7485 MISSION VALLEY RD #106
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS

MISSION VALLEY HEIGHTS SURGERY CTR LP (Continued) **S106071480**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 10024-97-2
Name: NITROUS OXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: GENERAL INFECTIOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 201450
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV4202
Violation: MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation: Medical waste was not separated from other waste at the point of

MISSION VALLEY HEIGHTS SURGERY CTR LP (Continued) **S106071480**

origin. 118275
Activity: ACTIVE

Facility Id: 201450
Update Date: 11/02/2012
Inspection Date: 02/17/2009
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 201450
Business Type: 6HK58
EPA Id Number: Not reported
APN: 677-390-29-00
Last HMMD Inspection: 10/04/2012
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: MISSION VALLEY HEIGHTS SURGERY CTR, LP
Facility Address: 7485 MISSION VALLEY RD #106
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Active Permits:
Facility Id: 201450
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported

MISSION VALLEY HEIGHTS SURGERY CTR LP (Continued) **S106071480**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 10024-97-2
Name: NITROUS OXIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201450
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 201450
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: GENERAL INFECTIOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 201450
Update Date: 11/02/2012
Inspection Date: 01/26/2006
Violation Code: 6HV4202
Violation: MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation: Medical waste was not separated from other waste at the point of origin. 118275
Activity: ACTIVE

Facility Id: 201450
Update Date: 11/02/2012
Inspection Date: 02/17/2009
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish.

MISSION VALLEY HEIGHTS SURGERY CTR LP (Continued) **S106071480**

118310
Activity: ACTIVE

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35 **CALIF ORTHOPAEDIC INSTITUTE MED ASSOC.** **CA San Diego Co. HMMD** **S106070308**
7485 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 200158
Business Type: 6HK10
EPA Id Number: Not reported
APN: 677-390-29-00
Last HMMD Inspection: 06/02/2011
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: CA ORTHOPAEDIC MEDICAL ASSOC INC.
Facility Address: 7485 MISSION VALLEY RD SUITE 104-A
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 200158
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 200158
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: GENERAL INFECTIOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 200158
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: NON-RCRA PHARMACEUTICALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

35 **SCRIPPS CLINIC MISSION VALLEY** **CA HAZNET** **S113800183**
7565 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113800183
Year:	2013
GEPAID:	CAL000368403
Contact:	MICHAEL MORRIS
Telephone:	8586786918
Mailing Name:	Not reported
Mailing Address:	10010 CAMPUS POINT DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921210000
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1975
Facility County:	Not reported

envid:	S113800183
Year:	2013
GEPAID:	CAL000368403
Contact:	MICHAEL MORRIS
Telephone:	8586786918
Mailing Name:	Not reported
Mailing Address:	10010 CAMPUS POINT DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921210000
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0435
Facility County:	Not reported

envid:	S113800183
Year:	2013
GEPAID:	CAL000368403
Contact:	MICHAEL MORRIS
Telephone:	8586786918
Mailing Name:	Not reported
Mailing Address:	10010 CAMPUS POINT DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921210000
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0025
Facility County:	Not reported

envid:	S113800183
Year:	2013
GEPAID:	CAL000368403
Contact:	MICHAEL MORRIS
Telephone:	8586786918

SCRIPPS CLINIC MISSION VALLEY (Continued) **S113800183**

Mailing Name:	Not reported
Mailing Address:	10010 CAMPUS POINT DRIVE
Mailing City,St,Zip:	SAN DIEGO, CA 921210000
Gen County:	San Diego
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.007
Facility County:	Not reported

envid:	S113800183
Year:	2012
GEPAID:	CAL000368403
Contact:	DOUGLAS TYRONE
Telephone:	8586786917
Mailing Name:	Not reported
Mailing Address:	7565 MISSION VALLEY RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.079
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **CLARK SECURITY PRODUCTS** **CA San Diego Co. HMMD** **S104755733**
7520 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	136729
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	677-390-33-00
Last HMMD Inspection:	05/13/1998
Permit Status:	INAC
Permit Expiration:	05/13/1998
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

35 **QUEST** **CA HAZNET** **S113080721**
7470 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113080721
Year:	2008
GEPAID:	CAL000146794
Contact:	ELLEN PONTES/EH&S MANAGER
Telephone:	6197789070
Mailing Name:	Not reported
Mailing Address:	9245 ACTIVITY RD STE 109
Mailing City,St,Zip:	SAN DIEGO, CA 921264442
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.025
Facility County:	San Diego

envid:	S113080721
Year:	2008
GEPAID:	CAL000146794
Contact:	ELLEN PONTES/EH&S MANAGER
Telephone:	6197789070
Mailing Name:	Not reported
Mailing Address:	9245 ACTIVITY RD STE 109
Mailing City,St,Zip:	SAN DIEGO, CA 921264442
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.025
Facility County:	San Diego

envid:	S113080721
Year:	2008
GEPAID:	CAL000146794
Contact:	ELLEN PONTES/EH&S MANAGER
Telephone:	6197789070
Mailing Name:	Not reported
Mailing Address:	9245 ACTIVITY RD STE 109
Mailing City,St,Zip:	SAN DIEGO, CA 921264442
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.025
Facility County:	San Diego

envid:	S113080721
Year:	2008
GEPAID:	CAL000146794
Contact:	ELLEN PONTES/EH&S MANAGER
Telephone:	6197789070

QUEST (Continued) **S113080721**

Mailing Name: Not reported
Mailing Address: 9245 ACTIVITY RD STE 109
Mailing City,St,Zip: SAN DIEGO, CA 921264442
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.025
Facility County: San Diego

envid: S113080721
Year: 2008
GEPAID: CAL000146794
Contact: ELLEN PONTES/EH&S MANAGER
Telephone: 6197789070
Mailing Name: Not reported
Mailing Address: 9245 ACTIVITY RD STE 109
Mailing City,St,Zip: SAN DIEGO, CA 921264442
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.002
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
51 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **CORNING CLINICAL LABORATORY** **CA HAZNET** **S113061705**
7470 MISSION VALLEY ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113061705
Year: 1997
GEPAID: CAL000106401
Contact: CORNING LIFE SCIENCES INC
Telephone: 6195662000
Mailing Name: Not reported
Mailing Address: 7470 MISSION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921084406
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: .5235
Facility County: San Diego

envid: S113061705
Year: 1997
GEPAID: CAL000106401
Contact: CORNING LIFE SCIENCES INC
Telephone: 6195662000

CORNING CLINICAL LABORATORY (Continued) **S113061705**

Mailing Name: Not reported
Mailing Address: 7470 MISSION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921084406
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Transfer Station
Tons: .0100
Facility County: San Diego

envid: S113061705
Year: 1996
GEPAID: CAL000106401
Contact: CORNING LIFE SCIENCES INC
Telephone: 6195662000
Mailing Name: Not reported
Mailing Address: 7470 MISSION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921084406
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Transfer Station
Tons: .0035
Facility County: San Diego

envid: S113061705
Year: 1996
GEPAID: CAL000106401
Contact: CORNING LIFE SCIENCES INC
Telephone: 6195662000
Mailing Name: Not reported
Mailing Address: 7470 MISSION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921084406
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: .2085
Facility County: San Diego

envid: S113061705
Year: 1996
GEPAID: CAL000106401
Contact: CORNING LIFE SCIENCES INC
Telephone: 6195662000
Mailing Name: Not reported
Mailing Address: 7470 MISSION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921084406
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .0400

CORNING CLINICAL LABORATORY (Continued) **S113061705**

Facility County: San Diego

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1 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **SAN DIEGO PATHOLOGY MED GROUP** **CA HAZNET** **S113098771**
7470 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113098771
Year:	2007
GEPAID:	CAL000188621
Contact:	SHIRLEY RIDDY
Telephone:	6192974900
Mailing Name:	Not reported
Mailing Address:	7470 MISSION VALLEY RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	ARD069748192
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	2.54
Facility County:	San Diego

envid:	S113098771
Year:	2007
GEPAID:	CAL000188621
Contact:	SHIRLEY RIDDY
Telephone:	6192974900
Mailing Name:	Not reported
Mailing Address:	7470 MISSION VALLEY RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.95
Facility County:	San Diego

envid:	S113098771
Year:	2006
GEPAID:	CAL000188621
Contact:	SHIRLEY RIDDY
Telephone:	6192974900
Mailing Name:	Not reported
Mailing Address:	7470 MISSION VALLEY RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	ARD069748192
TSD County:	Not reported
Waste Category:	Liquids with mercury >= 20 Mg./L
Disposal Method:	Not reported
Tons:	0
Facility County:	San Diego

SAN DIEGO PATHOLOGY MED GROUP (Continued) **S113098771**

envid: S113098771
Year: 2006
GEPAID: CAL000188621
Contact: SHIRLEY RIDDY
Telephone: 6192974900
Mailing Name: Not reported
Mailing Address: 7470 MISSION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: ARD069748192
TSD County: Not reported
Waste Category: Liquids with mercury >= 20 Mg./L
Disposal Method: Not reported
Tons: 0.02
Facility County: San Diego

envid: S113098771
Year: 2006
GEPAID: CAL000188621
Contact: SHIRLEY RIDDY
Telephone: 6192974900
Mailing Name: Not reported
Mailing Address: 7470 MISSION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: ARD069748192
TSD County: Not reported
Waste Category: Liquids with mercury >= 20 Mg./L
Disposal Method: Not reported
Tons: 0.02
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
15 additional CA_HAZNET: record(s) in the EDR Site Report.

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35 **QUEST DIAGNOSTICS INC** **CA San Diego Co. HMMD** **S102863749**
7470 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 132648
Business Type: 6HK58
EPA Id Number: CAL000146794
APN: 677-390-31-00
Last HMMD Inspection: 01/31/2007
Permit Status: INAC
Permit Expiration: 11/30/2007
Facility Owner: QUEST DIAGNOSTICS
Facility Address: 7470 MISSION VALLEY RD
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported

QUEST DIAGNOSTICS INC (Continued) **S102863749**

Generate Medical Waste: Not reported

Violations Inactive Permits:

Facility Id: 132648
Update Date: 11/02/2012
Inspection Date: 09/22/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: Inactive Permit

Facility Id: 132648
Update Date: 11/02/2012
Inspection Date: 08/10/2005
Violation Code: 6HV0139
Violation: NO BIENNIAL REPORT TO DTSC
Violation Citation: Generator has not submitted the biennial report to CAL-EPA as required and maintained a copy on site for review. CCR 66262.40, 66262.41
Activity: Inactive Permit

Facility Id: 132648
Update Date: 11/02/2012
Inspection Date: 09/22/2003
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: Inactive Permit

Facility Id: 132648
Update Date: 11/02/2012
Inspection Date: 08/10/2005
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: Inactive Permit

Facility Id: 132648
Update Date: 11/02/2012
Inspection Date: 08/10/2005
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: Inactive Permit

Facility Id: 132648
Update Date: 11/02/2012
Inspection Date: 01/31/2007
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

QUEST DIAGNOSTICS INC (Continued) **S102863749**

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV0217
Violation:	HAZMAT CON. NOT REPACKAGED WI 96 HRS.
Violation Citation:	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	09/22/2003
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	09/22/2003
Violation Code:	6HV1006
Violation:	HMBP: INVENTORY INADEQUATE
Violation Citation:	Business Plan inventory does not list all hazardous materials on site in disclosable quantities. HSC 25504(a),25503.5
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	08/10/2005
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	08/10/2005
Violation Code:	6HV0203
Violation:	DAMAGED CONTAINER NOT REPACKAGED
Violation Citation:	Hazardous materials in damaged containers have not been repackaged within 96 hours & are now declared hazardous waste. HSC 25124(E)
Activity:	Inactive Permit

QUEST DIAGNOSTICS INC (Continued) **S102863749**

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	08/10/2005
Violation Code:	6HV4312
Violation:	LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation:	Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV4312
Violation:	LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation:	Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	09/22/2003
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	08/10/2005
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV1008

QUEST DIAGNOSTICS INC (Continued) **S102863749**

Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	Inactive Permit
Facility Id:	132648
Update Date:	11/02/2012
Inspection Date:	01/31/2007
Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	Inactive Permit

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35 **SAN DIEGO PATHOLOGISTS MED GRP** **CA San Diego Co. HMMD** **S106066053**
7470 MISSION VALLEY RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	139597
Business Type:	6HK58
EPA Id Number:	CAL000188621
APN:	DEH-139597
Last HMMD Inspection:	08/03/2007
Permit Status:	INAC
Permit Expiration:	05/31/2008
Facility Owner:	SAN DIEGO PATHOLOGISTS MED GRP
Facility Address:	7470 MISSION VALLEY RD 2ND FL
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	139597
Update Date:	11/02/2012
Inspection Date:	08/03/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit
Facility Id:	139597
Update Date:	11/02/2012
Inspection Date:	06/29/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

36 **DR JOHN WEISENSEEL** **CA HAZNET** **S113109586**
9040 FRIARS RD STE 105 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113109586
Year:	2007
GEPAID:	CAL000216774
Contact:	DR. JOHN WEISENSEEL
Telephone:	6192827088
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD STE 105
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.12
Facility County:	San Diego

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36 **DR WILLIAM SHOEMAKER DO** **CA HAZNET** **S113088392**
9040 FRIARS ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113088392
Year:	1996
GEPAID:	CAL000168391
Contact:	WILLIAM SHOEMAKER DO
Telephone:	6192846377
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD STE 230
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD982049306
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	.0041
Facility County:	San Diego

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36 **EVELYN T HUAMAN DMD** **CA San Diego Co. HMMD** **S112907566**
9040 FRIARS RD **CA HAZNET** **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	216321
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	04/18/2012
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	EVELYN T HUAMAN DMD
Facility Address:	9040 FRIARS RD #535
Facility City:	San Diego
Facility State:	CA

EVELYN T HUAMAN DMD (Continued) **S112907566**

Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 216321
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: ISOLYSER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216386
Business Type: 6HK10
EPA Id Number: Not reported
APN: 433-270-43-00
Last HMMD Inspection: 06/08/2012
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: BLAKE R THOMPSON, MD
Facility Address: 9040 FRIARS RD #400
Facility City: San Diego
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 216386
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: MAIL BACK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216386
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: NON-RCRA HAZARDOUS WASTE MAILBACK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

EVELYN T HUAMAN DMD (Continued) **S112907566**

HAZNET:

envid:	S112907566
Year:	2000
GEPAID:	CAC002253577
Contact:	JIM ATKINSON
Telephone:	6196415128
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Alkaline solution without metals pH >= 12.5
Disposal Method:	Treatment, Tank
Tons:	0
Facility County:	San Diego

envid:	S112907566
Year:	2000
GEPAID:	CAC002253577
Contact:	JIM ATKINSON
Telephone:	6196415128
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	0.04
Facility County:	San Diego

envid:	S112907566
Year:	2000
GEPAID:	CAC002253577
Contact:	JIM ATKINSON
Telephone:	6196415128
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Treatment, Tank
Tons:	0.03
Facility County:	San Diego

36 **MEDICAL CENTERR FOR CLINICAL RESEARCH** **CA HAZNET** **S113149822**
9040 FRIARS RD STE 540 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113149822
Year:	2012
GEPAID:	CAL000324815
Contact:	KAREN WILBORN
Telephone:	6195212830
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD STE 540
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.275
Facility County:	San Diego

envid:	S113149822
Year:	2009
GEPAID:	CAL000324815
Contact:	KATHERINE TUCKER
Telephone:	6195212830
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD STE 540
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.085
Facility County:	San Diego

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36 **CENTRUM DENTAL** **CA HAZNET** **S113093374**
9040 FRIARS RD STE 535 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113093374
Year:	1998
GEPAID:	CAL000176933
Contact:	SCOTT & LESLIE STROMMER DDS
Telephone:	6197809100
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD STE 535
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.0208
Facility County:	San Diego

36 **BYRON A COLE DDS** **CA HAZNET** **S113149141**
9040 FRIARS RD STE 535 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113149141
Year:	2011
GEPAID:	CAL000323436
Contact:	BYRON COLE
Telephone:	8585581355
Mailing Name:	Not reported
Mailing Address:	2788 COSTEBELLE DR
Mailing City,St,Zip:	LA JOLLA, CA 92037
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0495
Facility County:	San Diego

envid:	S113149141
Year:	2010
GEPAID:	CAL000323436
Contact:	BYRON COLE
Telephone:	8585581355
Mailing Name:	Not reported
Mailing Address:	2788 COSTEBELLE DR
Mailing City,St,Zip:	LA JOLLA, CA 920370000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0297
Facility County:	San Diego

envid:	S113149141
Year:	2009
GEPAID:	CAL000323436
Contact:	PERI MARR
Telephone:	6195160018
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD STE 535
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0165
Facility County:	San Diego

envid:	S113149141
Year:	2008
GEPAID:	CAL000323436
Contact:	PERI MARR
Telephone:	6195160018
Mailing Name:	Not reported

BYRON A COLE DDS (Continued) **S113149141**

Mailing Address:	9040 FRIARS RD STE 535
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0165
Facility County:	San Diego

envid:	S113149141
Year:	2008
GEPAID:	CAL000323436
Contact:	PERI MARR
Telephone:	6195160018
Mailing Name:	Not reported
Mailing Address:	9040 FRIARS RD STE 535
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.018
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

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36 **DIAGNOSTIC CLINICAL LABORATORY** **CA San Diego Co. HMMD** **S106067829**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	152656
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	02/10/1998
Permit Status:	INAC
Permit Expiration:	02/10/1998
Facility Owner:	DR. MASON
Facility Address:	9040 FRIARS RD #500
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

36 **UNILAB-FRIARS RD PSC** **CA San Diego Co. HMMD** **S106068514**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153672
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	01/07/2000
Permit Status:	INAC
Permit Expiration:	01/07/2000
Facility Owner:	UNILAB-FRIARS RD PSC
Facility Address:	9040 FRIARS RD 400A
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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36 **BYRON A. COLE, DDS, MSD** **CA San Diego Co. HMMD** **S104890881**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	209415
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	08/03/2011
Permit Status:	INAC
Permit Expiration:	11/30/2012
Facility Owner:	BYRON A COLE
Facility Address:	9040 FRIARS RD #535
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	209415
Update Date:	11/02/2012
Inspection Date:	06/05/2008
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit

36 **CENTER FOR SPECIALTY CARE** **CA San Diego Co. HMMD** **S106068394**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	202616
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	02/06/2007
Permit Status:	INAC
Permit Expiration:	03/31/2009
Facility Owner:	U.S HEALTHWORKS
Facility Address:	9040 FRIARS RD #400
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	202616
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	Inactive Permit

Facility Id:	202616
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	Inactive Permit

Facility Id:	153513
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	09/28/2000
Permit Status:	INAC
Permit Expiration:	01/31/2004
Facility Owner:	HEALTHSOUTH CORP
Facility Address:	9040 FRIARS RD #400
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

CENTER FOR SPECIALTY CARE (Continued) **S106068394**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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36 **WILLIAM SHOEMAKER, D.O.** **CA San Diego Co. HMMD** **S106068502**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 153657
Business Type: 6HK10
EPA Id Number: CAL000168391
APN: 433-270-43-00
Last HMMD Inspection: 02/25/2010
Permit Status: SUSP
Permit Expiration: 02/29/2012
Facility Owner: WILLIAM SHOEMAKER, D.O.
Facility Address: 9040 FRIARS RD #230
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 153657
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 153657
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 153657
Update Date: 11/02/2012
Inspection Date: 02/25/2010
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: SUSP

WILLIAM SHOEMAKER, D.O. (Continued) **S106068502**

Facility Id:	153657
Update Date:	11/02/2012
Inspection Date:	02/12/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	SUSP

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36 **THE CENTER FOR WOMENS MEDICINE** **RCRA-SQG 1000904997**
9040 FRIARS RD STE 400 **FINDS CA0000239798**
SAN DIEGO, CA 92108

RCRA-SQG:

Date form received by agency:	04/15/1994
Facility name:	THE CENTER FOR WOMENS MEDICINE
Facility address:	9040 FRIARS RD STE 400 SAN DIEGO, CA 92108
EPA ID:	CA0000239798
Mailing address:	FRIARS RD STE 400 SAN DIEGO, CA 92108
Contact:	DON WHISTLER
Contact address:	9040 FRIARS RD STE 400 SAN DIEGO, CA 92108
Contact country:	US
Contact telephone:	(619) 739-5400
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	THE CENTER FOR WOMENS MEDICINE
Owner/operator address:	9040 FRIARS RD STE 400 SAN DIEGO, CA 92108
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 584-3177
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

THE CENTER FOR WOMENS MEDICINE (Continued) **1000904997**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002616027

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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36 **MISSION SPECIALTY MGMT** **CA San Diego Co. HMMD** **S106067561**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 152245
Business Type: 6HK10
EPA Id Number: CAL000216774
APN: 433-270-43-00
Last HMMD Inspection: 02/06/2007
Permit Status: INAC
Permit Expiration: 01/31/2008
Facility Owner: MISSION SPECIALTY MGMT
Facility Address: 9040 FRIARS RD #105
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

36 **S.P.O.R.T. INSTITUTE MED GROUP** **CA San Diego Co. HMMD** **S106068905**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154203
Business Type:	6HK10
EPA Id Number:	CAL000194058
APN:	433-270-43-00
Last HMMD Inspection:	08/04/2004
Permit Status:	INAC
Permit Expiration:	04/30/2007
Facility Owner:	Not reported
Facility Address:	9040 FRIARS RD #500
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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36 **ROBIN C. WEDBERG, MD** **CA San Diego Co. HMMD** **S106069170**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154597
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	10/30/2003
Permit Status:	INAC
Permit Expiration:	04/30/2005
Facility Owner:	ROBIN C. WEDBERG, MD, APC
Facility Address:	9040 FRIARS RD #320
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	154597
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	Inactive Permit

ROBIN C. WEDBERG, MD (Continued) **S106069170**

Facility Id:	154597
Update Date:	11/02/2012
Inspection Date:	10/30/2003
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	Inactive Permit

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36 **WILLIAM D KOLTUN, MD** **CA San Diego Co. HMMD** **S106070443**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	200301
Business Type:	6HK58
EPA Id Number:	CAL000324815
APN:	433-270-43-00
Last HMMD Inspection:	08/03/2011
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Facility Owner:	WILLIAM D KOLTUN, MD
Facility Address:	9040 FRIARS RD #540
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Active Permits:

Facility Id:	200301
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	200301
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	FORMALIN & TISSUE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	200301
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL

WILLIAM D KOLTUN, MD (Continued) **S106070443**

Other Information: GENERAL INFECTIOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 200301
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 200301
Update Date: 11/02/2012
Inspection Date: 06/26/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 200301
Update Date: 11/02/2012
Inspection Date: 06/26/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 200301
Business Type: 6HK58
EPA Id Number: CAL000324815
APN: 433-270-43-00
Last HMMD Inspection: 08/03/2011
Permit Status: OPEN
Permit Expiration: 10/31/2013
Facility Owner: WILLIAM D KOLTUN, MD
Facility Address: 9040 FRIARS RD #540
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Active Permits:
Facility Id: 200301
Update Date: 11/02/2012

WILLIAM D KOLTUN, MD (Continued) **S106070443**

Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	200301
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	FORMALIN & TISSUE WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	200301
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	GENERAL INFECTIOUS WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	200301
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	200301
Update Date:	11/02/2012
Inspection Date:	06/26/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	200301
Update Date:	11/02/2012
Inspection Date:	06/26/2008
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

36 **CENTRUM DENTAL** **CA San Diego Co. HMMD** **S106068274**
9040 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153334
Business Type:	6HK10
EPA Id Number:	CAL000176933
APN:	433-270-43-00
Last HMMD Inspection:	08/04/2004
Permit Status:	INAC
Permit Expiration:	12/31/2007
Facility Owner:	SCOTT STROMMER DDS
Facility Address:	9040 FRIARS RD 535
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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36 **VERIZON WIRELESS - MISSION CONTROL** **CA San Diego Co. HMMD** **S106064520**
9042 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135295
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	08/13/2003
Permit Status:	INAC
Permit Expiration:	11/30/2006
Facility Owner:	DIABLO COMMUNICATIONS INC <LF>
Facility Address:	11512 EL CAMINO REAL #100
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	92130
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	135295
Update Date:	11/02/2012
Inspection Date:	08/13/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	Inactive Permit

VERIZON WIRELESS - MISSION CONTROL (Continued) **S106064520**

Facility Id:	135027
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	09/03/1999
Permit Status:	INAC
Permit Expiration:	12/31/2002
Facility Owner:	VERIZON WIRELESS
Facility Address:	15505 SAND CANYON AV #D
Facility City:	IRVINE
Facility State:	CA
Facility Zip:	92618-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	200281
Business Type:	6HK52
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	04/16/2010
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	VERIZON WIRELESS
Facility Address:	15505 SAND CANYON AV #D
Facility City:	IRVINE
Facility State:	CA
Facility Zip:	92618
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	200281
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	200281
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID, H2504; LEAD ACID BATTERY ELECTROLITE,
Other Information:	23% H2SO4
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

VERIZON WIRELESS - MISSION CONTROL (Continued) **S106064520**

Violations Active Permits:

Facility Id:	200281
Update Date:	11/02/2012
Inspection Date:	10/20/2008
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE

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36 **MISSION VALLEY AMERICAN TOWER CORP #8572** **CA San Diego Co. HMMD** **S106064438**
9042 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	206869
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	433-270-43-00
Last HMMD Inspection:	07/30/2010
Permit Status:	INAC
Permit Expiration:	10/31/2011
Facility Owner:	AMERICAN TOWER CORPORATION
Facility Address:	PO BOX 63604
Facility City:	PHOENIX
Facility State:	AZ
Facility Zip:	85082
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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36 **MELVIN CHIROPRACTIC OFFICE** **CA San Diego Co. HMMD** **S106063632**
9050 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	132690
Business Type:	6HK18
EPA Id Number:	CAL930116031
APN:	433-270-41-00
Last HMMD Inspection:	11/05/1997
Permit Status:	INAC
Permit Expiration:	11/05/1997
Facility Owner:	GREGORY MELVIN
Facility Address:	P O BOX 3161 #335
Facility City:	LA MESA
Facility State:	CA
Facility Zip:	91944-3161
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

MELVIN CHIROPRACTIC OFFICE (Continued) **S106063632**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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36 **MISSION CONTROL PROJECTS** **CA NPDES** **S117705338**
9060 FRIARS ROAD **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	417477
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C361527
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	03/07/2012
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	07/26/2011
PROCESSED DATE:	07/27/2011
STATUS CODE NAME:	Terminated
STATUS DATE:	05/02/2012
PLACE SIZE:	2.18
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Willie Gaters
FACILITY CONTACT TITLE:	Senior Environmental Specialist
FACILITY CONTACT PHONE:	858-637-3726
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	WGaters@semprautilities.com
OPERATOR NAME:	San Diego Gas & Electric Co
OPERATOR ADDRESS:	8315 Century Park Ct CP 21E
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92123
OPERATOR CONTACT NAME:	Willie Gaters
OPERATOR CONTACT TITLE:	Senior Environmental Specialist
OPERATOR CONTACT PHONE:	858-637-3726
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	WGaters@semprautilities.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	San Diego Gas & Electric Co
DEVELOPER ADDRESS:	8315 Century Park Ct CP 21E
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92123
DEVELOPER CONTACT NAME:	Willie Gaters
DEVELOPER CONTACT TITLE:	Senior Environmental Specialist

MISSION CONTROL PROJECTS (Continued) **S117705338**

CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Y
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Grant Frost
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	26-JUL-11
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

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36 **BENNETT COIN OPERATED WASHETTE** **EDR US Hist Cleaners** **1009127976**
9101 FRIARS RD **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	BENNETT COIN OPERATED WASHETTE
Year:	1966
Type:	LAUNDRIES - SELF SERVE

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37 **UNIVERSITY MECH CONTRACTORS** **CA LUST** **S104160585**
4464 ALVARADO CANYON RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92120 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT324
Local Case:	H00036
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency

UNIVERSITY MECH CONTRACTORS (Continued) **S104160585**

Case Type: Aquifer affected
Date Found: 12/05/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 12/15/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/05/1986
Enforce Date: Not reported
Closed Date: 10/27/87
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File archived, case closed and file moved to storage
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 36
Number: 9
Board Of Equalization: 44-021518
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 36
Number: Not reported
Board Of Equalization: 44-021518
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000036-000001
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT

UNIVERSITY MECH CONTRACTORS (Continued) **S104160585**

Content: LEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 36
Number: Not reported
Board Of Equalization: 44-021518
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000036-000002
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 36
Number: Not reported
Board Of Equalization: 44-021518
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000036-000003
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 36
Number: Not reported
Board Of Equalization: 44-021518
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000036-000004
Tank Status: Not reported
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 100036
Business Type: 6HK70

UNIVERSITY MECH CONTRACTORS (Continued) **S104160585**

EPA Id Number:	CAL000537176
APN:	461-320-29-00
Last HMMD Inspection:	08/16/1999
Permit Status:	INAC
Permit Expiration:	08/31/2000
Facility Owner:	EMCOR INC.
Facility Address:	4464 ALVARADO CANYON RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120-4302
UST Owner:	UNIVERSITY INDUSTRIES
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100036 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100036
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	12000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 100036 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	100036
Tank Type:	SINGLE WALL
Additional Id:	2 UNLEADED
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-09-04 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 100036 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100036
Tank Type:	SINGLE WALL
Additional Id:	3 DIESEL

UNIVERSITY MECH CONTRACTORS (Continued) **S104160585**

Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-09-04 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 100036 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	100036
Tank Type:	SINGLE WALL
Additional Id:	4 UNLEADED
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-09-04 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SAN DIEGO CO. SAM:

Case Number:	H00036-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	1/14/2002
Date Began:	9/23/1999

Case Number:	H00036-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	9/1/1987
Date Began:	9/1/1987

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37 **UNIVERSITY MECHANICAL & ENGINE** **CA SLIC** **U001573154**
4464 ALVARADO CANYON RD **CA HIST UST** **N/A**
SAN DIEGO, CA 92120

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/01/1987
Global Id:	T0608183235
Lead Agency:	SAN DIEGO COUNTY LOP

UNIVERSITY MECHANICAL & ENGINE (Continued) **U001573154**

Lead Agency Case Number:	H00036-002
Latitude:	32.780463
Longitude:	-117.097301
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/14/2002
Global Id:	T0608171882
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H00036-001
Latitude:	32.780463
Longitude:	-117.097301
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT324
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000044282
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	EARL TURNER
Telephone:	6192833181
Owner Name:	UNIVERSITY INDUSTRIES
Owner Address:	3430 CAMINO DEL RIO NORTH
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1979

UNIVERSITY MECHANICAL & ENGINE (Continued) **U001573154**

Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	3
Year Installed:	1979
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	004
Container Num:	4
Year Installed:	1979
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

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38 **HANSON AGGREGATES PACIFIC SOUTHWEST** **FINDS** **1009606689**
5785 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110025332566

Environmental Interest/Information System
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

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38 **HANSON AGGREGATES PSW, INC** **CA San Diego Co. HMMD** **S106071761**
5785 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201776
Business Type:	6HK61
EPA Id Number:	CAL000218375
APN:	677-220-14-00
Last HMMD Inspection:	02/18/2004
Permit Status:	INAC
Permit Expiration:	06/30/2006
Facility Owner:	HANSON AGGREGATES PSW, INC
Facility Address:	PO BOX 639069
Facility City:	SAN DIEGO

HANSON AGGREGATES PSW, INC (Continued) **S106071761**

Facility State:	CA
Facility Zip:	92163-9069
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	201776
Update Date:	11/02/2012
Inspection Date:	02/18/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Facility Id:	201776
Update Date:	11/02/2012
Inspection Date:	02/18/2004
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	Inactive Permit

Facility Id:	201776
Update Date:	11/02/2012
Inspection Date:	02/18/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	Inactive Permit

Facility Id:	201776
Business Type:	6HK61
EPA Id Number:	CAL000218375
APN:	677-220-14-00
Last HMMD Inspection:	02/18/2004
Permit Status:	INAC
Permit Expiration:	06/30/2006
Facility Owner:	HANSON AGGREGATES PSW, INC
Facility Address:	PO BOX 639069
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92163-9069
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

HANSON AGGREGATES PSW, INC (Continued) **S106071761**

Violations Inactive Permits:

Facility Id:	201776
Update Date:	11/02/2012
Inspection Date:	02/18/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

Facility Id:	201776
Update Date:	11/02/2012
Inspection Date:	02/18/2004
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	Inactive Permit

Facility Id:	201776
Update Date:	11/02/2012
Inspection Date:	02/18/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	Inactive Permit

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39 **HAUSTEN, LLC DBA IKEA SAN DIEGO** **CA HAZNET** **S113125982**
2149 FENTON PKWY **N/A**
SAN DIEGO, CA 92107

HAZNET:

envid:	S113125982
Year:	2009
GEPAID:	CAL000269143
Contact:	JOHAN CARLSSON/OPERATIONS MGR
Telephone:	6192836166
Mailing Name:	Not reported
Mailing Address:	2149 FENTON PKWY
Mailing City,St,Zip:	SAN DIEGO, CA 921070000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.7225
Facility County:	San Diego

envid:	S113125982
Year:	2009
GEPAID:	CAL000269143
Contact:	JOHAN CARLSSON/OPERATIONS MGR
Telephone:	6192836166
Mailing Name:	Not reported
Mailing Address:	2149 FENTON PKWY

HAUSTEN, LLC DBA IKEA SAN DIEGO (Continued) **S113125982**

Mailing City,St,Zip:	SAN DIEGO, CA 921070000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.03
Facility County:	San Diego

envid:	S113125982
Year:	2009
GEPAID:	CAL000269143
Contact:	JOHAN CARLSSON/OPERATIONS MGR
Telephone:	6192836166
Mailing Name:	Not reported
Mailing Address:	2149 FENTON PKWY
Mailing City,St,Zip:	SAN DIEGO, CA 921070000
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.242
Facility County:	San Diego

envid:	S113125982
Year:	2008
GEPAID:	CAL000269143
Contact:	JOHAN CARLSSON/OPERATIONS MGR
Telephone:	6192836166
Mailing Name:	Not reported
Mailing Address:	2149 FENTON PKWY
Mailing City,St,Zip:	SAN DIEGO, CA 921070000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.3065
Facility County:	San Diego

envid:	S113125982
Year:	2008
GEPAID:	CAL000269143
Contact:	JOHAN CARLSSON/OPERATIONS MGR
Telephone:	6192836166
Mailing Name:	Not reported
Mailing Address:	2149 FENTON PKWY
Mailing City,St,Zip:	SAN DIEGO, CA 921070000
Gen County:	Not reported
TSD EPA ID:	AZ0000337360
TSD County:	Not reported
Waste Category:	Liquids with mercury >= 20 Mg./L
Disposal Method:	Metals Recovery Including Retoring,Smelting,Chemicals,Ect
Tons:	0.0025

HAUSTEN, LLC DBA IKEA SAN DIEGO (Continued) **S113125982**

Facility County: San Diego

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

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39 **HANGERS CLEANERS** **CA San Diego Co. HMMD** **S106065998**
2169 FENTON PKY **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	209416
Business Type:	6HK53
EPA Id Number:	CAL000222166
APN:	433-101-10-00
Last HMMD Inspection:	08/09/2011
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	HANGERS CLEANERS
Facility Address:	2169 FENTON PY #104
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	209416
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE 99% CO2, COMPRESSED LIQUFIED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	209416
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	STILL BOTTOM WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	209416
Update Date:	11/02/2012
Inspection Date:	06/05/2008
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)

HANGERS CLEANERS (Continued) **S106065998**

Activity:	ACTIVE
Facility Id:	209416
Update Date:	11/02/2012
Inspection Date:	01/14/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	209416
Update Date:	11/02/2012
Inspection Date:	01/14/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	209416
Update Date:	11/02/2012
Inspection Date:	06/05/2008
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE
Facility Id:	139462
Business Type:	6HK53
EPA Id Number:	CAL000222166
APN:	433-101-10-00
Last HMMD Inspection:	08/01/2007
Permit Status:	CHNG
Permit Expiration:	07/31/2008
Facility Owner:	FAIRLANE CLEANERS, INC
Facility Address:	2169 FENTON PY #104
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

39 **HANGERS CLEANERS** **CA DRYCLEANERS** **S104890840**
2169 FENTON PKWY STE 104 **N/A**
SAN DIEGO, CA 92108

DRYCLEANERS:

EPA Id:	CAL000222166
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	06/07/2001
Facility Active:	No
Inactive Date:	06/30/2008
Facility Addr2:	Not reported
Owner Name:	FAIRLANE CLENERS INC
Owner Address:	2169 FENTON PKWY STE 104
Owner Address 2:	Not reported
Owner Telephone:	6195638200
Contact Name:	ALEXANDER SHAW-PRESIDENT
Contact Address:	2169 FENTON PKWY STE 104
Contact Address 2:	Not reported
Contact Telephone:	6195638200
Mailing Name:	Not reported
Mailing Address 1:	2169 FENTON PKWY STE 104
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921084735
Owner Fax:	Not reported
Region Code:	Not reported

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39 **IKEA WEST, INC #166** **CA San Diego Co. HMMD** **S108208601**
2149 FENTON PY **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	203473
Business Type:	6HK70
EPA Id Number:	CAL000269143
APN:	433-100-39-00
Last HMMD Inspection:	06/08/2012
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	HAUSLER LLC
Facility Address:	2149 FENTON PY
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	203473
Update Date:	11/02/2012
Case Number:	Not reported

IKEA WEST, INC #166 (Continued) **S108208601**

Name:	WASTE 291 LATEX WASTE
Other Information:	LATEX PAINTS WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	203473
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	IN GENERATOR
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	10/15/2010
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	06/08/2012
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171

IKEA WEST, INC #166 (Continued) **S108208601**

Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	06/08/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	203473

IKEA WEST, INC #166 (Continued) **S108208601**

Update Date:	11/02/2012
Inspection Date:	10/15/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	203473
Business Type:	6HK70
EPA Id Number:	CAL000269143
APN:	433-100-39-00
Last HMMD Inspection:	06/08/2012
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	HAUSLER LLC
Facility Address:	2149 FENTON PY
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	203473
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 291 LATEX WASTE
Other Information:	LATEX PAINTS WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	203473
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	IN GENERATOR
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE

IKEA WEST, INC #166 (Continued) **S108208601**

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	10/15/2010
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	06/08/2012
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	05/06/2004
Violation Code:	6HV1011
Violation:	TRAINING RECORDS NOT AVAILABLE
Violation Citation:	Personnel training records not available. 19 CCR 2732
Activity:	ACTIVE

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC

IKEA WEST, INC #166 (Continued) **S108208601**

Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	12/27/2005
Violation Code:	6HV1005
Violation:	HMBP: NO ER CONTACTS LISTED OR CURRENT
Violation Citation:	Business Plan does not list the name and 24 hour phone numbers of Emergency Contact persons or contact is not current. HSC 25509(a)(7)
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	06/08/2012
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	203473
Update Date:	11/02/2012
Inspection Date:	10/15/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

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39 **EDR US Hist Cleaners** **1015019222**
2169 FENTON PKWY **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	HANGERS CLEANERS
Year:	2003
Address:	2169 FENTON PKWY
Name:	HANGERS CLEANERS
Year:	2005
Address:	2169 FENTON PKWY
Name:	HANGERS CLEANERS
Year:	2006
Address:	2169 FENTON PKWY

(Continued) **1015019222**

Name: HANGERS CLEANERS
Year: 2007
Address: 2169 FENTON PKWY

Name: HANGERS CLEANERS
Year: 2008
Address: 2169 FENTON PKWY

Name: HANGERS CLEANERS
Year: 2010
Address: 2169 FENTON PKWY

Name: HANGERS CLEANERS
Year: 2011
Address: 2169 FENTON PKWY

Name: HANGERS CLEANERS
Year: 2012
Address: 2169 FENTON PKWY

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39 **HANGERS CLEANERS** **CA HAZNET** **S113112137**
2169 FENTON PKWY STE 104 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113112137
Year: 2011
GEPAID: CAL000222166
Contact: ALEXANDER SHAW-PRESIDENT
Telephone: 6195638200
Mailing Name: Not reported
Mailing Address: 2169 FENTON PKWY STE 104
Mailing City,St,Zip: SAN DIEGO, CA 921084735
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.16
Facility County: San Diego

envid: S113112137
Year: 2011
GEPAID: CAL000222166
Contact: ALEXANDER SHAW-PRESIDENT
Telephone: 6195638200
Mailing Name: Not reported
Mailing Address: 2169 FENTON PKWY STE 104
Mailing City,St,Zip: SAN DIEGO, CA 921084735
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.16
Facility County: San Diego

envid: S113112137

HANGERS CLEANERS (Continued) **S113112137**

Year:	2010
GEPAID:	CAL000222166
Contact:	ALEXANDER SHAW-PRESIDENT
Telephone:	6195638200
Mailing Name:	Not reported
Mailing Address:	2169 FENTON PKWY STE 104
Mailing City,St,Zip:	SAN DIEGO, CA 921084735
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.16
Facility County:	San Diego

envid:	S113112137
Year:	2010
GEPAID:	CAL000222166
Contact:	ALEXANDER SHAW-PRESIDENT
Telephone:	6195638200
Mailing Name:	Not reported
Mailing Address:	2169 FENTON PKWY STE 104
Mailing City,St,Zip:	SAN DIEGO, CA 921084735
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.16
Facility County:	San Diego

envid:	S113112137
Year:	2009
GEPAID:	CAL000222166
Contact:	ALEXANDER SHAW-PRESIDENT
Telephone:	6195638200
Mailing Name:	Not reported
Mailing Address:	2169 FENTON PKWY STE 104
Mailing City,St,Zip:	SAN DIEGO, CA 921084735
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.16
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
25 additional CA_HAZNET: record(s) in the EDR Site Report.

39 | **CA CHMIRS** | **S116362418** | **N/A**

2169 FENTON PARKWAY #104
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	14-0551
OES notification:	01/29/2014
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Gal(s)
Other:	Not reported
Date/Time:	930
Year:	2014
Agency:	Green Cleaners
Incident Date:	11/11/2013
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	CO2
Quantity Released:	5
Unknown:	Not reported

(Continued) **S116362418**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	**** Historical report*** Caller states a machine had a mechanical malfunction and caused the release of 5 gallons of CO2. A fan was used to blow the CO2 away into the atmosphere. It is unrecoverable. The machine repairs have been completed. No waterways were effected.

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39 **COSTCO WHOLESALE #488** **CA San Diego Co. HMMD** **S109279040**
2123 FENTON PY **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	139001
Business Type:	6HK28
EPA Id Number:	CAR000089284
APN:	433-100-39-00
Last HMMD Inspection:	08/02/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	COSTCO WHOLESALE CORP
Facility Address:	PO BOX 35005
Facility City:	Seattle
Facility State:	WA
Facility Zip:	98124
UST Owner:	COSTCO WHOLESALE
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 139001 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	139001
Tank Type:	DOUBLE WALL
Additional Id:	NT2213, RT2926RT3471, RT3726, RT4238, RT5315
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL

COSTCO WHOLESALE #488 (Continued) **S109279040**

Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 139001 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 139001
Tank Type: DOUBLE WALL
Additional Id: NT2213, RT2926RT3471, RT3726, RT4238, RT5315
Capacity Gallons: 20000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1999-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 139001 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 139001
Tank Type: DOUBLE WALL
Additional Id: NT2213, RT2926RT3471, RT3726, RT4238, RT5315
Capacity Gallons: 20000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1999-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 30A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:
Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: KAY POWER CLEANER
Other Information: FLOOR ANULLARY CLEANER
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 139001 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

COSTCO WHOLESALE #488 (Continued) **S109279040**

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 139001 T002
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 139001 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GASOLINE DISPNSR FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	INK WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported

COSTCO WHOLESALE #488 (Continued) **S109279040**

Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: WASTE CORROSIVE LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: USED AUTOMOTIVE BATTERIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: HALLMARK REFINING CORP, SRU
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: SOLIDS W/FLAMMABLE LIQUIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: WASTE PAINT & RELATED MATERIALS
Material Waste: Waste

COSTCO WHOLESALE #488 (Continued) **S109279040**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE AEROSOL CANS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 04/30/2004
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 02/16/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 01/31/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 04/30/2004
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 01/31/2007
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or

COSTCO WHOLESALE #488 (Continued) **S109279040**

DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 08/10/2011
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 08/10/2011
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 02/16/2006
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

Facility Id: 139001
Business Type: 6HK28
EPA Id Number: CAR000089284
APN: 433-100-39-00
Last HMMD Inspection: 08/02/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: COSTCO WHOLESALE CORP
Facility Address: PO BOX 35005
Facility City: Seattle
Facility State: WA
Facility Zip: 98124
UST Owner: COSTCO WHOLESALE
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

UST:
UST Name: UNDERGROUND TANK 139001 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 139001
Tank Type: DOUBLE WALL

COSTCO WHOLESALE #488 (Continued) **S109279040**

Additional Id:	NT2213, RT2926RT3471, RT3726, RT4238, RT5315
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 139001 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	139001
Tank Type:	DOUBLE WALL
Additional Id:	NT2213, RT2926RT3471, RT3726, RT4238, RT5315
Capacity Gallons:	20000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 139001 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	139001
Tank Type:	DOUBLE WALL
Additional Id:	NT2213, RT2926RT3471, RT3726, RT4238, RT5315
Capacity Gallons:	20000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1999-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported
Name:	KAY POWER CLEANER
Other Information:	FLOOR ANULLARY CLEANER
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

COSTCO WHOLESALE #488 (Continued) **S109279040**

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 139001 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 139001 T002
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 139001 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	CHRONIC

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GASOLINE DISPNSR FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	139001
Update Date:	11/02/2012
Case Number:	Not reported

COSTCO WHOLESALE #488 (Continued) **S109279040**

Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: INK WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information: BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information: WASTE CORROSIVE LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information: USED AUTOMOTIVE BATTERIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: HALLMARK REFINING CORP, SRU
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: SOLIDS W/FLAMMABLE LIQUIDS
Material Waste: Waste

COSTCO WHOLESALE #488 (Continued) **S109279040**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: WASTE PAINT & RELATED MATERIALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 139001
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: WASTE AEROSOL CANS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 04/30/2004
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 02/16/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 01/31/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 04/30/2004
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5)

COSTCO WHOLESALE #488 (Continued) **S109279040**

& 25505(a)(2)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 01/31/2007
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 08/10/2011
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 08/10/2011
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 139001
Update Date: 11/02/2012
Inspection Date: 02/16/2006
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation: Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity: ACTIVE

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40 **NATIONAL UNIVERSITY** **CA HAZNET** **S112883762**
4085 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112883762
Year: 1997
GEPAID: CAC001345016
Contact: NATIONAL UNIVERSITY CORP
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 11255 N TORREY PINES
Mailing City,St,Zip: LA JOLLA, CA 920370000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported

NATIONAL UNIVERSITY (Continued) **S112883762**

Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 67.4240
Facility County: San Diego

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40 **NATIONAL UNIVERSITY** **CA HAZNET** **S112883763**
4125 S CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112883763
Year: 1997
GEPAID: CAC001345024
Contact: NATIONAL UNIVERSITY CORP
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 11255 N TORREY PINES
Mailing City,St,Zip: LA JOLLA, CA 920370000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 5.4782
Facility County: San Diego

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40 **LEANNE TROY** **CA HAZNET** **S113461162**
4025 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113461162
Year: 2010
GEPAID: CAC002654988
Contact: LEANNE TROY
Telephone: 4082247084
Mailing Name: Not reported
Mailing Address: 6910 SANTA TERESA BLVD
Mailing City,St,Zip: SAN JOSE, CA 951191339
Gen County: Not reported
TSD EPA ID: AZR000501510
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 7.75
Facility County: San Diego

40 **NATIONAL UNIVERSITY/V.A.P.** **CA SLIC** **S106065565**
4007 CAMINO DEL RIO S **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108 **CA SAN DIEGO CO. SAM**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/12/1999
Global Id:	T0608197377
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H38278-001
Latitude:	32.77747
Longitude:	-117.108162
Case Type:	Cleanup Program Site
Case Worker:	NA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	138278
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	440-670-49-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H38278-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/12/1999
Date Began:	2/8/1999

40 **1X NATIONAL UNIVERSITY** **CA HAZNET** **S112847867**
4007 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112847867
Year:	1993
GEPAID:	CAC000855780
Contact:	NATIONAL UNIVERSITY
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	4025 SAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Not reported
Tons:	3.8746
Facility County:	San Diego

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40 **POINT LOMA NAZARENE UNIVERSITY** **CA HAZNET** **S112935732**
4007 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112935732
Year:	2004
GEPAID:	CAC002574656
Contact:	Martha Zanabria/Conference svcs
Telephone:	6195632855
Mailing Name:	Not reported
Mailing Address:	4007 Camino Del Rio S Ste 104
Mailing City,St,Zip:	San Diego, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZD009015389
TSD County:	Not reported
Waste Category:	Contaminated soil from site clean-up
Disposal Method:	Disposal, Land Fill
Tons:	9.75
Facility County:	San Diego

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40 **NATIONAL UNIVERSITY** **CA HAZNET** **S113042290**
4125 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113042290
Year:	1997
GEPAID:	CAL000050185
Contact:	NATIONAL UNIVERSITY
Telephone:	6196428100
Mailing Name:	Not reported
Mailing Address:	11255 N TORREY PINES RD
Mailing City,St,Zip:	LA JOLLA, CA 920374107
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported

NATIONAL UNIVERSITY (Continued) **S113042290**

Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: .0834
Facility County: San Diego

envid: S113042290
Year: 1996
GEPAID: CAL000050185
Contact: NATIONAL UNIVERSITY
Telephone: 6196428100
Mailing Name: Not reported
Mailing Address: 11255 N TORREY PINES RD
Mailing City,St,Zip: LA JOLLA, CA 920374107
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: .2085
Facility County: San Diego

envid: S113042290
Year: 1994
GEPAID: CAL000050185
Contact: NATIONAL UNIVERSITY
Telephone: 6196428100
Mailing Name: Not reported
Mailing Address: 11255 N TORREY PINES RD
Mailing City,St,Zip: LA JOLLA, CA 920374107
Gen County: Not reported
TSD EPA ID: CAT080025711
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: .0000
Facility County: San Diego

envid: S113042290
Year: 1994
GEPAID: CAL000050185
Contact: NATIONAL UNIVERSITY
Telephone: 6196428100
Mailing Name: Not reported
Mailing Address: 11255 N TORREY PINES RD
Mailing City,St,Zip: LA JOLLA, CA 920374107
Gen County: Not reported
TSD EPA ID: CAT080025711
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .2293
Facility County: San Diego

40 **NATIONAL UNIVERSITY** **CA HAZNET** **S112962021**
4141 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112962021
Year:	2007
GEPAID:	CAC002617570
Contact:	KEVIN FISCHER
Telephone:	8585417782
Mailing Name:	Not reported
Mailing Address:	4141 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921084103
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	3.6
Facility County:	San Diego

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40 **NATIONAL UNIVERSITY** **CA San Diego Co. HMMD** **S106879919**
4141 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	210754
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	440-670-40-00
Last HMMD Inspection:	06/14/2011
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	NATIONAL UNIVERSITY
Facility Address:	11355 N TORREY PINES RD
Facility City:	LA JOLLA
Facility State:	CA
Facility Zip:	92037
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	210754
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	BACK-UP GENERATOR
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Violations Active Permits:

Facility Id:	210754
Update Date:	11/02/2012

NATIONAL UNIVERSITY (Continued) **S106879919**

Inspection Date:	05/13/2009
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE

Facility Id:	204839
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	440-670-40-00
Last HMMD Inspection:	06/20/2008
Permit Status:	INAC
Permit Expiration:	07/31/2009
Facility Owner:	NATIONAL UNIVERSITY
Facility Address:	9388 LIGHTWAVE AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92123-1426
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	204839
Update Date:	11/02/2012
Inspection Date:	06/20/2008
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	Inactive Permit

Facility Id:	204839
Update Date:	11/02/2012
Inspection Date:	02/17/2005
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	Inactive Permit

Facility Id:	204839
Update Date:	11/02/2012
Inspection Date:	02/17/2005
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	Inactive Permit

40 **NATIONAL UNIVERSITY** **CA HAZNET** **S112903571**
4141 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112903571
Year:	2000
GEPAID:	CAC002204521
Contact:	ALAN SMITH
Telephone:	6195632590
Mailing Name:	Not reported
Mailing Address:	11255 N TORREY PINES RD
Mailing City,St,Zip:	LA JOLLA, CA 920370000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	2.52
Facility County:	San Diego

envid:	S112903571
Year:	2000
GEPAID:	CAC002204521
Contact:	ALAN SMITH
Telephone:	6195632590
Mailing Name:	Not reported
Mailing Address:	11255 N TORREY PINES RD
Mailing City,St,Zip:	LA JOLLA, CA 920370000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	0.05
Facility County:	San Diego

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40 **NATIONAL UNIVERSITY** **CA San Diego Co. HMMD** **S106062835**
4125 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	128996
Business Type:	6HK26
EPA Id Number:	CAL000050185
APN:	DEH-128996
Last HMMD Inspection:	01/20/1998
Permit Status:	INAC
Permit Expiration:	01/20/1998
Facility Owner:	NATIONAL UNIVERSITY
Facility Address:	4025 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-4107
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

NATIONAL UNIVERSITY (Continued) **S106062835**

Generate Medical Waste: Not reported

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41 **DON MCNABB** **CA HAZNET** **S112878116**
10097 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112878116
Year:	1997
GEPAID:	CAC001253672
Contact:	DON MCNABB
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1546 SEACOAST DR
Mailing City,St,Zip:	IMPERIAL BEACH, CA 919320000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	.1459
Facility County:	San Diego

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42 **EDR US Hist Auto Stat** **1015259231**
1640 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	MUSSARI AUTO DETAILING
Year:	2003
Address:	1640 CAMINO DEL RIO N

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42 **MAX PHOTO** **RCRA-SQG** **1000118146**
1640 CAMINO DEL RIO NORTH **CAD982406050**
SAN DIEGO, CA 92108

RCRA-SQG:

Date form received by agency:	03/27/1992
Facility name:	MAX PHOTO
Facility address:	1640 CAMINO DEL RIO NORTH NO 1468 SAN DIEGO, CA 92108
EPA ID:	CAD982406050
Contact:	HEE KANG
Contact address:	1640 CAMINO DEL RIO NORTH NO 1468 SAN DIEGO, CA 92108
Contact country:	US
Contact telephone:	(619) 296-6575
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

MAX PHOTO (Continued) **1000118146**

hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: HYON N LEE AND KEE KANG
Owner/operator address: 16208 AVENIDA SUAVIDAD
SAN DIEGO, CA 92128
Owner/operator country: Not reported
Owner/operator telephone: (619) 487-9667
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

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42 **EXPRESSLY PORTRAITS INC** **RCRA-SQG 1000857281**
1640 CAMINO DEL RIO N NO 1260 **FINDS CAD983666934**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 05/03/1993
Facility name: EXPRESSLY PORTRAITS INC
Facility address: 1640 CAMINO DEL RIO N NO 1260
MISSION VALLEY CTR
SAN DIEGO, CA 92108
EPA ID: CAD983666934
Mailing address: TRITON DR STE C
FOSTER CITY, CA 94404
Contact: MEL ORCHARD
Contact address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404

EXPRESSLY PORTRAITS INC (Continued) **1000857281**

Contact country: US
Contact telephone: (415) 578-9291
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: EXPRESSLY PORTRAITS INC
Owner/operator address: 1151 TRITON DR STE C
FOSTER CITY, CA 94404
Owner/operator country: Not reported
Owner/operator telephone: (415) 578-9291
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002898142

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

42 **MAX PHOTO** **CA San Diego Co. HMMD** **S106064051**
1640 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133950
Business Type:	6HK15
EPA Id Number:	CAD982406050
APN:	DEH-133950
Last HMMD Inspection:	11/07/1994
Permit Status:	INAC
Permit Expiration:	11/07/1994
Facility Owner:	HEE Y KANG
Facility Address:	1640 CAMINO DEL RIO N
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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42 **EXPRESSLY PORTRAITS #49** **CA San Diego Co. HMMD** **S106064932**
1640 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	136454
Business Type:	6HK15
EPA Id Number:	CAD983666652
APN:	DEH-136454
Last HMMD Inspection:	03/16/2000
Permit Status:	CHNG
Permit Expiration:	07/31/2006
Facility Owner:	EXPRESSLY PORTRAITS
Facility Address:	1157 TRITON DR #B
Facility City:	FOSTER CITY
Facility State:	CA
Facility Zip:	94404-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

42 **STEPHEN B NINICH GOLDSMITH** **CA San Diego Co. HMMD** **S106060598**
1640 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	106957
Business Type:	Not reported
EPA Id Number:	CAY000212761
APN:	DEH-106957
Last HMMD Inspection:	07/15/1987
Permit Status:	INAC
Permit Expiration:	07/15/1987
Facility Owner:	STEPHEN B NINICH
Facility Address:	1640 CAMINO DEL RIO N #303
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1506
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	206296
Business Type:	6HK15
EPA Id Number:	CAD983666652
APN:	DEH-136454
Last HMMD Inspection:	05/02/2005
Permit Status:	INAC
Permit Expiration:	04/30/2009
Facility Owner:	THE PICTURE PEOPLE INC
Facility Address:	1800 10TH ST # 300
Facility City:	PLAN
Facility State:	TX
Facility Zip:	75074-8010
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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42 **MAX PHOTO** **RCRA-SQG** **1000382431**
1640 CAMINO DEL RIO NORTH **FINDS** **CAD134017730**
SAN DIEGO, CA 92108 **CA HIST UST**

RCRA-SQG:

Date form received by agency:	07/09/1986
Facility name:	MISSION VALLEY CTR CENTRAL PLT
Facility address:	1640 CAMINO DEL RIO NORTH SAN DIEGO, CA 92108
EPA ID:	CAD134017730
Mailing address:	1640 CAMINO DEL RIO N STE 1290 SAN DIEGO, CA 92108
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1640 CAMINO DEL RIO NORTH SAN DIEGO, CA 92108

MAX PHOTO (Continued) **1000382431**

Contact country: US
Contact telephone: (619) 298-1970
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MISSION VLY PARTNERS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002668738

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

MAX PHOTO (Continued) **1000382431**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110009544626

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST UST:

Region:	STATE
Facility ID:	00000068760
Facility Type:	Other
Other Type:	SHOPPING CENTER
Contact Name:	MR. TOM SEDLAK
Telephone:	6192966375
Owner Name:	MISSION VALLEY PARTNERSHIP
Owner Address:	611 OLIVE STREET, SUITE 1555
Owner City,St,Zip:	ST. LOUIS, MO 63101
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1983
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	5
Container Construction Thickness:	X
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1983
Tank Capacity:	00019000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	1983
Tank Capacity:	00000500
Tank Used for:	WASTE

MAX PHOTO (Continued) **1000382431**

Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

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42 **THE PICTURE PEOPLE #49** **CA San Diego Co. HMMD** **S106061982**
1640 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 123121
Business Type: 6HK15
EPA Id Number: Not reported
APN: DEH-123121
Last HMMD Inspection: 02/22/2006
Permit Status: INAC
Permit Expiration: 02/28/2011
Facility Owner: THE PICTURE PEOPLE, INC
Facility Address: 2703 TELECOM PY #190
Facility City: RICHARDSON
Facility State: TX
Facility Zip: 75082-3558
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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42 **WESTFIELD DESIGN & CONSTRUCTION** **CA HAZNET** **S112875696**
1640 CAMINO SEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112875696
Year: 1997
GEPAID: CAC001224488
Contact: WESTFIELD DESIGN & CONSTR
Telephone: 6192966556
Mailing Name: Not reported
Mailing Address: 1640 CAMINO SEL RIO NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: .0075
Facility County: San Diego

42 **LENSCRAFTERS #268** **CA SWEEPS UST** **S106879757**
1640 N CAMINO DEL RIO **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Not reported
Comp Number:	32534
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-032534-000001
Tank Status:	Not reported
Capacity:	20000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	204510
Business Type:	6HK18
EPA Id Number:	CAD008302903
APN:	DEH-366962
Last HMMD Inspection:	08/23/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	LENSCRAFTERS, INC
Facility Address:	4000 LUXOTTICA PL
Facility City:	MASON
Facility State:	OH
Facility Zip:	45040
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	204510
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 272 POLYMERIC RESIN WASTE
Other Information:	SOLID CURED COATING WASTE DEBRIS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	202292
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-030-32-00
Last HMMD Inspection:	Not reported

LENSCRAFTERS #268 (Continued) **S106879757**

Permit Status:	INAC
Permit Expiration:	11/30/2004
Facility Owner:	QUALEX, INC
Facility Address:	4020 STIRRUP CREEK DR, #211
Facility City:	DURHAML
Facility State:	NC
Facility Zip:	27244
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	202292
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-030-32-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	11/30/2004
Facility Owner:	QUALEX, INC
Facility Address:	4020 STIRRUP CREEK DR, #211
Facility City:	DURHAML
Facility State:	NC
Facility Zip:	27244
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	132534
Business Type:	6HK70
EPA Id Number:	CAD134017730
APN:	438-020-42-00
Last HMMD Inspection:	06/09/2011
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	Not reported
Facility Address:	1640 CAMINO DEL RIO N 1290
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 132534 T001
Last Update:	2012-11-02 14:17:38

LENSCRAFTERS #268 (Continued) **S106879757**

Permit Number:	132534
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-10-14 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	132534
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, O2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	132534
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT THINNER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	132534
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	INFREQUENT WASTE STREAM
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	132534
Update Date:	11/02/2012
Case Number:	7664-93-9
Name:	SULFURIC ACID, H2SO4, 50%: SULFURIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	132534
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	OZZY JUICE

LENSCRAFTERS #268 (Continued) **S106879757**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132534
Update Date: 11/02/2012
Case Number: Not reported
Name: PHOSPHORIC ACID
Other Information: TRIDENT 6137
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Violations Active Permits:
Facility Id: 132534
Update Date: 11/02/2012
Inspection Date: 05/11/2007
Violation Code: 6HV0232
Violation: HW CONTAINER IN POOR CONDITION
Violation Citation: Waste accumulated in a container in poor condition. CFR 265.171
Activity: ACTIVE

Facility Id: 132534
Update Date: 11/02/2012
Inspection Date: 05/11/2007
Violation Code: 6HV1012
Violation: SPCC PLAN NOT PREPARED
Violation Citation: Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity: ACTIVE

Facility Id: 132534
Update Date: 11/02/2012
Inspection Date: 07/24/2009
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 132534
Update Date: 11/02/2012
Inspection Date: 05/11/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 204510
Business Type: 6HK18
EPA Id Number: CAD008302903
APN: DEH-366962
Last HMMD Inspection: 08/23/2012
Permit Status: OPEN
Permit Expiration: 03/31/2013

LENSCRAFTERS #268 (Continued) **S106879757**

Facility Owner:	LENSCRAFTERS, INC
Facility Address:	4000 LUXOTTICA PL
Facility City:	MASON
Facility State:	OH
Facility Zip:	45040
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	204510
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 272 POLYMERIC RESIN WASTE
Other Information:	SOLID CURED COATING WASTE DEBRIS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Click this hyperlink while viewing on your computer to access
1 additional CA_HMMD: record(s) in the EDR Site Report.

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42 **THE PICTURE PEOPLE INC #49** **CA HAZNET** **S113019382**
1640 CAMINO DEL RIO N NO 1260 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113019382
Year:	1998
GEPAID:	CAD983666934
Contact:	THE PICTURE PEOPLE INC
Telephone:	6505789291
Mailing Name:	Not reported
Mailing Address:	1157 TRITON DRIVE SUITE B
Mailing City,St,Zip:	FOSTER CITY, CA 944041213
Gen County:	Not reported
TSD EPA ID:	CAD003963592
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	.0035
Facility County:	San Diego

envid:	S113019382
Year:	1998
GEPAID:	CAD983666934
Contact:	THE PICTURE PEOPLE INC
Telephone:	6505789291
Mailing Name:	Not reported
Mailing Address:	1157 TRITON DRIVE SUITE B
Mailing City,St,Zip:	FOSTER CITY, CA 944041213
Gen County:	Not reported
TSD EPA ID:	CAD003963592

THE PICTURE PEOPLE INC #49 (Continued) **S113019382**

TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	.0700
Facility County:	San Diego

envid:	S113019382
Year:	1994
GEPAID:	CAD983666934
Contact:	THE PICTURE PEOPLE INC
Telephone:	6505789291
Mailing Name:	Not reported
Mailing Address:	1157 TRITON DRIVE SUITE B
Mailing City,St,Zip:	FOSTER CITY, CA 944041213
Gen County:	Not reported
TSD EPA ID:	CAD003963592
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	.0700
Facility County:	San Diego

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42 **MAX PHOTO & CAMERA** **CA San Diego Co. HMMD** **S106064708**
1640 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135836
Business Type:	6HK15
EPA Id Number:	CAD982406050
APN:	DEH-135836
Last HMMD Inspection:	12/30/2005
Permit Status:	INAC
Permit Expiration:	02/28/2009
Facility Owner:	HEE Y. KANG
Facility Address:	1640 CAMINO DEL RIO N #1224
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

42 | **CA CHMIRS** | **S109036572** | **N/A**

1640 CAMINO DEL RIO NORTH
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	06-3945
OES notification:	07/04/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	City of San Diego
Incident Date:	7/4/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage
Gallons:	20
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S109036572**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released due to blockage. Substance released at the clean-out.

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42 **DENTISTRY AT THE PROMENADE** **CA San Diego Co. HMMD** **S106879959**
8555 STATION VILLAGE LN **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	205027
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-361-02-00
Last HMMD Inspection:	05/04/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	ESTELA E. CAEG-BUSTAMANTE, DMD
Facility Address:	PO BOX 881565
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92168-1565
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	205027
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYZER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	208350
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-361-02-00
Last HMMD Inspection:	Not reported
Permit Status:	OPEN
Permit Expiration:	10/31/2013

DENTISTRY AT THE PROMENADE (Continued) **S106879959**

Facility Owner:	CHRIS SPENCE, DC
Facility Address:	8555 STATION VILLAGE DR #B
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	208350
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	HAULER: INTEGRITY IMAGING SOLUTIONS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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42 **RIO VISTA FAMILY DENTISTRY** **CA San Diego Co. HMMD** **S106068669**
8590 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	204418
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-360-04-00
Last HMMD Inspection:	03/18/2011
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	BONIFACIO & REYES DDS, INC
Facility Address:	8590 RIO SAN DIEGO DR, #110
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	204418
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

RIO VISTA FAMILY DENTISTRY (Continued) **S106068669**

Violations Active Permits:

Facility Id:	204418
Update Date:	11/02/2012
Inspection Date:	12/16/2007
Violation Code:	6HV4303
Violation:	SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity:	ACTIVE

Facility Id:	204418
Update Date:	11/02/2012
Inspection Date:	11/16/2004
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	ACTIVE

Facility Id:	204418
Update Date:	11/02/2012
Inspection Date:	12/16/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

Facility Id:	153871
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-360-04-00
Last HMMD Inspection:	09/24/2003
Permit Status:	INAC
Permit Expiration:	03/31/2005
Facility Owner:	DONALD DOMBROW DDS
Facility Address:	8590 RIO SAN DIEGO DR #110
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

42 **EMPIRE COMMUNITY PAINTING INC** **CA HAZNET** **S112982003**
2195 STATION VILLAGE WAY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112982003
Year:	2011
GEPAID:	CAC002658190
Contact:	FRANCISCO MICAH
Telephone:	6198463138
Mailing Name:	Not reported
Mailing Address:	1682 LANGLEY AVE
Mailing City,St,Zip:	IRVINE, CA 926145620
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.625
Facility County:	San Diego

envid:	S112982003
Year:	2010
GEPAID:	CAC002658190
Contact:	FRANCISCO MICAH
Telephone:	6198463138
Mailing Name:	Not reported
Mailing Address:	1682 LANGLEY AVE
Mailing City,St,Zip:	IRVINE, CA 926145620
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	3.15
Facility County:	San Diego

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42 **EDR US Hist Cleaners** **1015019825**
2195 STATION VILLAGE WAY **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	SIMPLY CLEANER
Year:	2004
Address:	2195 STATION VILLAGE WAY

Name:	SIMPLY CLEANER
Year:	2004
Address:	2195 STATION VILLAGE WAY

Name:	SIMPLY CLEANER
Year:	2005
Address:	2195 STATION VILLAGE WAY

Name:	SIMPLY CLEANER
Year:	2010
Address:	2195 STATION VILLAGE WAY

(Continued) **1015019825**

Name: SIMPLY CLEANER
Year: 2011
Address: 2195 STATION VILLAGE WAY

Name: SIMPLY CLEANER
Year: 2012
Address: 2195 STATION VILLAGE WAY

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42 **CA CHMIRS** **S106399425**
2195 STATION VILLAGE WAY **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	03-3577
OES notification:	07/16/2003
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	San Diego Waste Water
Incident Date:	7/16/200312:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported

(Continued) **S106399425**

Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	sewage
Gallons:	174
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Roots, grease and construction debris blocked a line.

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42 **KMART #7678** **CA San Diego Co. HMMD** **S113092028**
8730 RIO SAN DIEGO DR **CA HAZNET** **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	206325
Business Type:	6HK70
EPA Id Number:	CAL000294643
APN:	438-360-01-00
Last HMMD Inspection:	06/23/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	SEARS HOLDINGS CORP
Facility Address:	3333 BEVERLY RD B5-362A
Facility City:	HOFFMAN ESTATES
Facility State:	IL
Facility Zip:	60179
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 612 HOUSEHOLD WASTES
Other Information:	WASTE AEROSOL CANS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

KMART #7678 (Continued) **S113092028**

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	HYPOCHLORITE SOLUTIONS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	ORGANIC TOXICS & PROPANE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	LATEX PAINT & PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 123 UNSPECIFIED ALKALINE SOL'N
Other Information:	INORGANIC BASIC SODIUM HYDROXIDE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information:	USED LEAD ACID BATTERIES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	206325
Update Date:	11/02/2012
Case Number:	Not reported

KMART #7678 (Continued) **S113092028**

Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: WASTE OXIDIZERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 206325
Update Date: 11/02/2012
Inspection Date: 06/23/2012
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

HAZNET:
envid: S113092028
Year: 1997
GEPAID: CAL000174821
Contact: KMART
Telephone: 2486376544
Mailing Name: Not reported
Mailing Address: 3100 W BIG BEAVER RD
Mailing City,St,Zip: TROY, MI 480843136
Gen County: Not reported
TSD EPA ID: CAL000121946
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0200
Facility County: San Diego

envid: S113092028
Year: 1996
GEPAID: CAL000174821
Contact: KMART
Telephone: 2486376544
Mailing Name: Not reported
Mailing Address: 3100 W BIG BEAVER RD
Mailing City,St,Zip: TROY, MI 480843136
Gen County: Not reported
TSD EPA ID: CAL000121946
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .1709
Facility County: San Diego

42 **K MART** **CA San Diego Co. HMMD** **S104754790**
8730 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135041
Business Type:	6HK70
EPA Id Number:	CAL000174821
APN:	438-360-01-00
Last HMMD Inspection:	04/08/2005
Permit Status:	INAC
Permit Expiration:	03/31/2006
Facility Owner:	K MART CORP
Facility Address:	3100 WEST BIG BEAVER
Facility City:	TROY
Facility State:	MI
Facility Zip:	48084-3163
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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42 **SEARS, ROEBUCK & CO.** **CA HAZNET** **S113137445**
8730 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113137445
Year:	2013
GEPAID:	CAL000294643
Contact:	CHRISTOPHER LIPMAN
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-362A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.027
Facility County:	Not reported

envid:	S113137445
Year:	2013
GEPAID:	CAL000294643
Contact:	CHRISTOPHER LIPMAN
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-362A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site

SEARS, ROEBUCK & CO. (Continued) **S113137445**

Tons:	0.0445
Facility County:	Not reported
envid:	S113137445
Year:	2013
GEPAID:	CAL000294643
Contact:	CHRISTOPHER LIPMAN
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-362A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0235
Facility County:	Not reported
envid:	S113137445
Year:	2013
GEPAID:	CAL000294643
Contact:	CHRISTOPHER LIPMAN
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-362A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.124
Facility County:	Not reported
envid:	S113137445
Year:	2012
GEPAID:	CAL000294643
Contact:	CHRISTOPHER LIPMAN
Telephone:	8472860037
Mailing Name:	Not reported
Mailing Address:	3333 BEVERLY RD B5-362A
Mailing City,St,Zip:	HOFFMAN ESTATES, IL 601790000
Gen County:	San Diego
TSD EPA ID:	WAD991281767
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
26 additional CA_HAZNET: record(s) in the EDR Site Report.

42 **KMART CORP #7678** **CA HAZNET** **S113080517**
8730 RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113080517
Year:	1998
GEPAID:	CAL000146429
Contact:	K-MART CORP
Telephone:	2486141493
Mailing Name:	Not reported
Mailing Address:	3100 W BIG BEAVER RD
Mailing City,St,Zip:	TROY, MI 480843136
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0666
Facility County:	San Diego

envid:	S113080517
Year:	1997
GEPAID:	CAL000146429
Contact:	K-MART CORP
Telephone:	2486141493
Mailing Name:	Not reported
Mailing Address:	3100 W BIG BEAVER RD
Mailing City,St,Zip:	TROY, MI 480843136
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0700
Facility County:	San Diego

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42 **MISSION VALLEY MARRIOTT PARKING LOT** **CA HAZNET** **S113171347**
8757 RIO SAN DIEGO DR PARKING LOT **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113171347
Year:	2004
GEPAID:	CAP000154443
Contact:	MICHEAL T FINN
Telephone:	7037905281
Mailing Name:	Not reported
Mailing Address:	1919 GALLOWS RD STE 950
Mailing City,St,Zip:	VIENNA, VA 22182
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	6.74
Facility County:	San Diego

42 **MARRIOTT MISSION VALLEY** **CA San Diego Co. HMMD** **S104751889**
8757 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	129088
Business Type:	6HK41
EPA Id Number:	CAL000214248
APN:	438-051-09-00
Last HMMD Inspection:	08/09/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	MARRIOTT INTL
Facility Address:	8757 RIO SAN DIEGO DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1620
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	129088
Update Date:	11/02/2012
Case Number:	Not reported
Name:	BUILDER C
Other Information:	LAUNDY ALKALI
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	Not reported

Facility Id:	129088
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	FLAMMABLE-OIL BASED PAINT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129088
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL, FUEL NO. 2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	129088
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LAUNDRY DETERGENT PLUS
Other Information:	CONCENTRATED
Material Waste:	Material
Hazardous Categories 1:	CHRONIC

MARRIOTT MISSION VALLEY (Continued) **S104751889**

Hazardous Categories 2: Not reported

Facility Id: 129088
Update Date: 11/02/2012
Case Number: 7681-52-9
Name: SODIUM HYPOCHLORITE 12.5%, NADCL, LIQUID CHLORINE BLEACH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 129088
Update Date: 11/02/2012
Case Number: Not reported
Name: ECOLAB DESTAINER
Other Information: CONC.LIQUID BLEACH
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 129088
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 291 LATEX WASTE
Other Information: WATER BASED PAINT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 129088
Update Date: 11/02/2012
Case Number: Not reported
Name: ECOLAB LAUNDRY SOUR
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 129088
Update Date: 11/02/2012
Case Number: Not reported
Name: LATEX PAINT
Other Information: LATEX PAINT
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 129088
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

MARRIOTT MISSION VALLEY (Continued) **S104751889**

Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	07/31/2008
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	07/31/2008
Violation Code:	6HV0220
Violation:	SPENT LEAD ACID BATTERY IMPROP. MANAGED
Violation Citation:	Spent lead acid batteries not properly managed. 66266.81
Activity:	ACTIVE

Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	07/31/2008
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE

Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE

Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE

MARRIOTT MISSION VALLEY (Continued) **S104751889**

Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	07/31/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	08/09/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE
Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	129088
Update Date:	11/02/2012
Inspection Date:	07/31/2008
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

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42 **SAN DIEGO MARRIOTT MISSION VALLEY** **CA HAZNET** **S113044315**
8757 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113044315
Year:	2013
GEPAID:	CAL000058094
Contact:	BUD STEVENS
Telephone:	6192096620
Mailing Name:	Not reported
Mailing Address:	8757 RIO SAN DIEGO DR
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

SAN DIEGO MARRIOTT MISSION VALLEY (Continued) **S113044315**

Tons: 0.425
Facility County: Not reported

envid: S113044315
Year: 2010
GEPAID: CAL000058094
Contact: B STEVENS DUAL PROP DIR OF ENG
Telephone: 6192096620
Mailing Name: Not reported
Mailing Address: 8757 RIO SAN DIEGO DR
Mailing City,St,Zip: SAN DIEGO, CA 921081620
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Latex waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.225
Facility County: San Diego

envid: S113044315
Year: 2010
GEPAID: CAL000058094
Contact: B STEVENS DUAL PROP DIR OF ENG
Telephone: 6192096620
Mailing Name: Not reported
Mailing Address: 8757 RIO SAN DIEGO DR
Mailing City,St,Zip: SAN DIEGO, CA 921081620
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Latex waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.225
Facility County: San Diego

envid: S113044315
Year: 2009
GEPAID: CAL000058094
Contact: SEAN FLOOD/DIR OF ENGINEERING
Telephone: 6192096620
Mailing Name: Not reported
Mailing Address: 8757 RIO SAN DIEGO DR
Mailing City,St,Zip: SAN DIEGO, CA 921081620
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.175
Facility County: San Diego

envid: S113044315
Year: 2009
GEPAID: CAL000058094
Contact: SEAN FLOOD/DIR OF ENGINEERING

SAN DIEGO MARRIOTT MISSION VALLEY (Continued) **S113044315**

Telephone:	6192096620
Mailing Name:	Not reported
Mailing Address:	8757 RIO SAN DIEGO DR
Mailing City,St,Zip:	SAN DIEGO, CA 921081620
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.2
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
10 additional CA_HAZNET: record(s) in the EDR Site Report.

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42 **FUJI PHOTO FILM U S A INC** **CA HAZNET** **S113170252**
8757 RIO SAN DIEGO DR SAN DIEGO MARRI **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113170252
Year:	1998
GEPAID:	CAP000043463
Contact:	FUJI PHOTO FILM U S A INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	8757 Rio San Diego Dr San Diego Marri
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.1251
Facility County:	San Diego

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42 **SPORTS AUTHORITY #753** **CA HAZNET** **S113061150**
8550 RIO SAN DIEGO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113061150
Year:	1999
GEPAID:	CAL000105295
Contact:	SPORTS AUTHORITY #753
Telephone:	3057351701
Mailing Name:	Not reported
Mailing Address:	8550 RIO SAN DIEGO
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD088504881
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Recycler
Tons:	.0200

SPORTS AUTHORITY #753 (Continued) **S113061150**

Facility County: San Diego

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42 **CAL-MAT MISSION VALLEY** **CA San Diego Co. HMMD** **S104745486**
2240 STADIUM WY **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102471
Business Type:	Not reported
EPA Id Number:	CAD981570864
APN:	438-360-01-00
Last HMMD Inspection:	05/23/1990
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	CAL-MAT COMPANY
Facility Address:	P O BOX 3098
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92163-1098
UST Owner:	CAL-MAT
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102471 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102471
Tank Type:	UNKNOWN
Additional Id:	AT2411
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	GASOLINE & WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1991-11-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102471 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102471
Tank Type:	UNKNOWN
Additional Id:	AT1818
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported

CAL-MAT MISSION VALLEY (Continued) **S104745486**

Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102471 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102471
Tank Type:	UNKNOWN
Additional Id:	AT1818
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102471 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102471
Tank Type:	UNKNOWN
Additional Id:	AT1818
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102471 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	102471
Tank Type:	UNKNOWN
Additional Id:	AT1818
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-06-21 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102471 T006
Last Update:	2012-11-02 14:17:38

CAL-MAT MISSION VALLEY (Continued) **S104745486**

Permit Number:	102471
Tank Type:	UNKNOWN
Additional Id:	006
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-03-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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42 **VA MISSION VALLEY CLINIC** **CA San Diego Co. HMMD** **S106069055**
8810 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154428
Business Type:	6HK58
EPA Id Number:	CAL000349685
APN:	438-051-06-00
Last HMMD Inspection:	05/21/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	VA SAN DIEGO HEALTHCARE SYSTEM
Facility Address:	3350 LA JOLLA VILLAGE DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	920137
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Active Permits:

Facility Id:	154428
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	154428
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported

VA MISSION VALLEY CLINIC (Continued) **S106069055**

Hazardous Categories 2: Not reported

Facility Id: 154428
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 154428
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB PACKS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 154428
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: BOTH CA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 154428
Update Date: 11/02/2012
Inspection Date: 02/13/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 154428
Update Date: 11/02/2012
Inspection Date: 06/18/2008
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 154428
Update Date: 11/02/2012
Inspection Date: 10/03/2003
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

VA MISSION VALLEY CLINIC (Continued) **S106069055**

Facility Id:	154428
Business Type:	6HK58
EPA Id Number:	CAL000349685
APN:	438-051-06-00
Last HMMD Inspection:	05/21/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	VA SAN DIEGO HEALTHCARE SYSTEM
Facility Address:	3350 LA JOLLA VILLAGE DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	920137
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	N

Active Permits:

Facility Id:	154428
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	154428
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	154428
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAG
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	154428
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	LAB PACKS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	154428

VA MISSION VALLEY CLINIC (Continued) **S106069055**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	BOTH CA
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	154428
Update Date:	11/02/2012
Inspection Date:	02/13/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Facility Id:	154428
Update Date:	11/02/2012
Inspection Date:	06/18/2008
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

Facility Id:	154428
Update Date:	11/02/2012
Inspection Date:	10/03/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

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42 **MISSION VALLEY VA CLINIC** **CA HAZNET** **S113157948**
8810 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113157948
Year:	2013
GEPAID:	CAL000349685
Contact:	JEAN PARKINSON
Telephone:	8586421052
Mailing Name:	Not reported
Mailing Address:	3350 LA JOLLA VILLAGE DR # MC-001S
Mailing City,St,Zip:	SAN DIEGO, CA 921610002
Gen County:	San Diego
TSD EPA ID:	TXD055135388
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025

MISSION VALLEY VA CLINIC (Continued) **S113157948**

Facility County: Not reported

envid: S113157948
Year: 2011
GEPAID: CAL000349685
Contact: JEAN PARKINSON
Telephone: 8589676356
Mailing Name: Not reported
Mailing Address: 3350 LA JOLLA VILLAGE DR
Mailing City,St,Zip: SAN DIEGO, CA 921610002
Gen County: Not reported
TSD EPA ID: TXD055135388
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Other Treatment
Tons: 0.004
Facility County: San Diego

envid: S113157948
Year: 2011
GEPAID: CAL000349685
Contact: JEAN PARKINSON
Telephone: 8589676356
Mailing Name: Not reported
Mailing Address: 3350 LA JOLLA VILLAGE DR
Mailing City,St,Zip: SAN DIEGO, CA 921610002
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.462
Facility County: San Diego

envid: S113157948
Year: 2011
GEPAID: CAL000349685
Contact: JEAN PARKINSON
Telephone: 8589676356
Mailing Name: Not reported
Mailing Address: 3350 LA JOLLA VILLAGE DR
Mailing City,St,Zip: SAN DIEGO, CA 921610002
Gen County: Not reported
TSD EPA ID: TXD055135388
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0105
Facility County: San Diego

envid: S113157948
Year: 2010
GEPAID: CAL000349685
Contact: JEAN PARKINSON
Telephone: 8589676356

MISSION VALLEY VA CLINIC (Continued) **S113157948**

Mailing Name: Not reported
Mailing Address: 3350 LA JOLLA VILLAGE DR
Mailing City,St,Zip: SAN DIEGO, CA 921610002
Gen County: Not reported
TSD EPA ID: TXD982560294
TSD County: Not reported
Waste Category: Liquids with pH <= 2
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.005
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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42 **VA SAN DIEGO - MISSION VALLEY CLINIC** **FINDS** **1016783583**
8810 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110058243896

Environmental Interest/Information System
STATE MASTER

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42 **MISSION VALLEY** **CA HIST UST** **U001572760**
2240 STADIUM WAY **N/A**
SAN DIEGO, CA 92108

HIST UST:
Region: STATE
Facility ID: 00000001124
Facility Type: Other
Other Type: BLDG SUPPLY
Contact Name: ROBERT DUGGER
Telephone: 6192980551
Owner Name: CONROCK CO.-SAN DIEGO DIVISION
Owner Address: P. O. BOX 3098
Owner City,St,Zip: SAN DIEGO,, CA 92103
Total Tanks: 0003

Tank Num: 001
Container Num: MV 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: MV2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT

MISSION VALLEY (Continued) **U001572760**

Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	MV3
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

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42 **CA CHMIRS** **S100280069**

FRIANS ROAD & STADIUM WAY **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	9099629
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	16-OCT-90
Date Completed:	**16-OCT-90**
Property Use:	962
Agency Id Number:	37717
Agency Incident Number:	UNKNOWN
Time Notified:	600
Time Completed:	0
Surrounding Area:	962
Estimated Temperature:	65
Property Management:	C
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	JOHN MENATTI
Report Date:	16-OCT-90
Facility Telephone:	619 236-2222
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

(Continued) **S100280069**

Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	13-JUN-91
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

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43 **CA CHMIRS** **S105883295**

10041 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	02-1055
OES notification:	02/23/2002
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

(Continued) **S105883295**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	City of San Diego
Incident Date:	2/1/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	Sewage
Gallons:	255
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, Rocks in a main caused the release.

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43 **EDR US Hist Cleaners** **1015021180**
N/A

2222 RIVER RUN DR
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	CARINI CLEANING & MAINTENANCE
Year:	2002
Address:	2222 RIVER RUN DR

44 **TURPIN & RATTAN ENGR. INC.** **CA San Diego Co. HMMD** **S106065694**
8989 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	138682
Business Type:	6HK18
EPA Id Number:	CAL000091199
APN:	438-051-12-00
Last HMMD Inspection:	05/25/1999
Permit Status:	INAC
Permit Expiration:	07/31/2000
Facility Owner:	TURPIN & RATTAN ENGR. INC.
Facility Address:	8989 RIO SAN DIEGO DR 200
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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44 **TURPIN & RATTAN ENGINEERING** **CA HAZNET** **S113055917**
8989 RIO SAN DIEGO DRIVE **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113055917
Year:	1999
GEPAID:	CAL000091199
Contact:	W R RATTAN VICE PRESIDENT
Telephone:	6192997771
Mailing Name:	Not reported
Mailing Address:	8989 RIO SAN DIEGO DRIVE SUITE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921081648
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	.0160
Facility County:	San Diego

envid:	S113055917
Year:	1997
GEPAID:	CAL000091199
Contact:	W R RATTAN VICE PRESIDENT
Telephone:	6192997771
Mailing Name:	Not reported
Mailing Address:	8989 RIO SAN DIEGO DRIVE SUITE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921081648
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	.0375

TURPIN & RATTAN ENGINEERING (Continued) **S113055917**

Facility County: San Diego

envid: S113055917
Year: 1996
GEPAID: CAL000091199
Contact: W R RATTAN VICE PRESIDENT
Telephone: 6192997771
Mailing Name: Not reported
Mailing Address: 8989 RIO SAN DIEGO DRIVE SUITE 200
Mailing City,St,Zip: SAN DIEGO, CA 921081648
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: .0400
Facility County: San Diego

envid: S113055917
Year: 1996
GEPAID: CAL000091199
Contact: W R RATTAN VICE PRESIDENT
Telephone: 6192997771
Mailing Name: Not reported
Mailing Address: 8989 RIO SAN DIEGO DRIVE SUITE 200
Mailing City,St,Zip: SAN DIEGO, CA 921081648
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Transfer Station
Tons: .0400
Facility County: San Diego

envid: S113055917
Year: 1993
GEPAID: CAL000091199
Contact: W R RATTAN VICE PRESIDENT
Telephone: 6192997771
Mailing Name: Not reported
Mailing Address: 8989 RIO SAN DIEGO DRIVE SUITE 200
Mailing City,St,Zip: SAN DIEGO, CA 921081648
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 0.1167
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

44 **CINTAS DOCUMENT MGMT** **CA HAZNET** **S112955899**
8989 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112955899
Year:	2006
GEPAID:	CAC002607517
Contact:	OMAR HERNANDEZ
Telephone:	6194620098
Mailing Name:	Not reported
Mailing Address:	3833 Bancroft Dr
Mailing City,St,Zip:	SPRING VALLEY, CA 919772122
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Not reported
Tons:	1.25
Facility County:	San Diego

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44 **UNION BANK OF CALIFORNIA** **CA San Diego Co. HMMD** **S105112671**
8954 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201420
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	438-051-14-00
Last HMMD Inspection:	04/11/2011
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	UNION BANK OF CALIFORNIA
Facility Address:	530 B ST # 1400
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	201420
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO. 2
Other Information:	DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	102252
Business Type:	6HK20
EPA Id Number:	Not reported

UNION BANK OF CALIFORNIA (Continued) **S105112671**

APN:	DEH-102252
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	05/31/2003
Facility Owner:	UNION BANK OF CALIFORNIA
Facility Address:	530 B ST # 1350
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	201420
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	438-051-14-00
Last HMMD Inspection:	04/11/2011
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	UNION BANK OF CALIFORNIA
Facility Address:	530 B ST # 1400
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	201420
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO. 2
Other Information:	DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

---

44 **CA CHMIRS** **S100275180**

8885 RIO SAN DIEGO RD. **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	8908672
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	01-NOV-89

(Continued) **S100275180**

Date Completed:	**01-NOV-89**
Property Use:	500
Agency Id Number:	37140
Agency Incident Number:	022542
Time Notified:	1605
Time Completed:	1632
Surrounding Area:	500
Estimated Temperature:	70
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	TRACTOR/TRAILER
Vehicle License Number:	YE7520
Vehicle State:	CA
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	BAYAREA/LAEXPRESS INCORP
Reporting Officer Name/ID:	TIMOTHY E. THORPE
Report Date:	01-NOV-89
Facility Telephone:	619 236-7773
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	22-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

(Continued) **S100275180**

Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: Not reported

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44 **AFFILIATED RESEARCH INSTITUTE** **CA San Diego Co. HMMD** **S106068533**
8880 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 206333
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-051-07-00
Last HMMD Inspection: 02/02/2006
Permit Status: INAC
Permit Expiration: 08/31/2007
Facility Owner: LEONARD SCHULKIND, MD
Facility Address: 8880 RIO SAN DIEGO DR #1040
Facility City: San Diego
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 206333
Update Date: 11/02/2012
Inspection Date: 02/02/2006
Violation Code: 6HV4201
Violation: NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation: A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity: Inactive Permit

Facility Id: 206333
Update Date: 11/02/2012
Inspection Date: 02/02/2006
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: Inactive Permit

Facility Id: 153695
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-051-07-00
Last HMMD Inspection: 01/22/1999
Permit Status: INAC
Permit Expiration: 03/31/2002
Facility Owner: CHARLES H. MERIDETH

AFFILIATED RESEARCH INSTITUTE (Continued) **S106068533**

Facility Address:	8880 RIO SAN DIEGO DR 1090
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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44 **ERIC WETSMAN D O, INC** **CA San Diego Co. HMMD** **S106071191**
8880 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201134
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-051-07-00
Last HMMD Inspection:	12/10/2002
Permit Status:	INAC
Permit Expiration:	09/30/2006
Facility Owner:	ERIC WETSMAN D O
Facility Address:	8880 RIO SAN DIEGO DR #1040
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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44 **AFFILIATED RESEARCH INSTITUTE** **CA San Diego Co. HMMD** **S106071435**
8989 RIO SAN DIEGO DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201399
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-051-12-00
Last HMMD Inspection:	06/11/2009
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	SAN DIEGO AFFILIATED RESEARCH INSTITUTE
Facility Address:	8989 RIO SAN DIEGO DR, STE #350
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported

AFFILIATED RESEARCH INSTITUTE (Continued) **S106071435**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 201399
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 201399
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

---

44 **TRANS WESTERN PROPERTY MANAGEMENT** **CA HAZNET** **S113772068**
2275 RIO BONITO WAY **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113772068
Year: 2012
GEPAID: CAC002684125
Contact: MICHELLE PLUMMER
Telephone: 8584528668
Mailing Name: Not reported
Mailing Address: 5935 CORNERSTONE CT W STE 200
Mailing City,St,Zip: SAN DIEGO, CA 92121
Gen County: San Diego
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.08
Facility County: San Diego

envid: S113772068
Year: 2012
GEPAID: CAC002684125
Contact: MICHELLE PLUMMER
Telephone: 8584528668
Mailing Name: Not reported
Mailing Address: 5935 CORNERSTONE CT W STE 200
Mailing City,St,Zip: SAN DIEGO, CA 92121
Gen County: San Diego
TSD EPA ID: CAD028409019

TRANS WESTERN PROPERTY MANAGEMENT (Continued) **S113772068**

TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22935
Facility County: San Diego

---

44 **SDCERA** **CA San Diego Co. HMMD** **S109279968**
2275 RIO BONITO WY **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 206807
Business Type: 6HK70
EPA Id Number: Not reported
APN: 438-051-15-00
Last HMMD Inspection: 03/27/2012
Permit Status: OPEN
Permit Expiration: 04/30/2013
Facility Owner: SAN DIEGO COUNTY EMPLOYEES RETIREMENT ASSO.
Facility Address: 2275 RIO BONITO WY #200
Facility City: San Diego
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 206807
Update Date: 11/02/2012
Case Number: 64742-46-7
Name: HYDROTREATED MIDDLE PETROLEUM DISTILLATE
Other Information: ULTRA LOW SULFUR DIESEL FUEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 206807
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: ORGANIC BLEND AND SULFURIC ACID (CHEM PRO 3050C)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

44 **DBG PLASTIC SURGERY** **CA San Diego Co. HMMD** **S112138110**
2275 RIO BONITO Y **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	215540
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	760-245-23-00
Last HMMD Inspection:	10/07/2011
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	DIANA BREISTER GHOSH, MD
Facility Address:	2275 RIO BONITO WAY #220
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	215540
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAG
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	215540
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

---

45 **SPARKS AVE & SPARKS PLACE** **CA Notify 65** **S100178210**
N/A

SAN DIEGO, CA

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	Not reported

46 **CARSON ELEMENTARY SCHOOL**
6905 KRAMER STREET
SAN DIEGO, CA 92111

CA SCH **S101302056**
CA HIST CORTESE **N/A**
CA LUST
CA SWEEPS UST
CA San Diego Co. HMMD
CA ENVIROSTOR
CA SAN DIEGO CO. SAM

SCH:

Facility ID:	60000009
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	7.7
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Angela Garcia
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404422
Assembly:	79
Senate:	39
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	02/15/2005
Restricted Use:	NO
Funding:	School District
Latitude:	32.7759
Longitude:	-117.1709
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	SAN DIEGO CITY SCHOOLS-CARSON ELEM SCL
Alias Type:	Alternate Name
Alias Name:	404422
Alias Type:	Project Code (Site Code)
Alias Name:	60000009
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	02/15/2005
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CARSON ELEMENTARY SCHOOL (Continued) **S101302056**

HIST CORTESE:
- Region: CORTESE
- Facility County Code: 37
- Reg By: LTNKA
- Reg Id: 9UT1002

LUST:
- Region: STATE
- Global Id: T0607300024
- Latitude: 32.7769443
- Longitude: -117.1711577
- Case Type: LUST Cleanup Site
- Status: Completed - Case Closed
- Status Date: 04/26/2000
- Lead Agency: SAN DIEGO COUNTY LOP
- Case Worker: Not reported
- Local Agency: Not reported
- RB Case Number: 9UT1002
- LOC Case Number: H21181-001
- File Location: Local Agency
- Potential Media Affect: Soil
- Potential Contaminants of Concern: Heating Oil / Fuel Oil
- Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
- Global Id: T0607300024
- Status: Completed - Case Closed
- Status Date: 04/26/2000

- Global Id: T0607300024
- Status: Open - Case Begin Date
- Status Date: 08/03/1988

Regulatory Activities:
- Global Id: T0607300024
- Action Type: Other
- Date: 08/03/1988
- Action: Leak Began

- Global Id: T0607300024
- Action Type: Other
- Date: 08/03/1988
- Action: Leak Discovery

- Global Id: T0607300024
- Action Type: Other
- Date: 08/03/1988
- Action: Leak Stopped

- Global Id: T0607300024
- Action Type: ENFORCEMENT
- Date: 04/26/2000
- Action: Closure/No Further Action Letter - #H21181-001

CARSON ELEMENTARY SCHOOL (Continued) **S101302056**

Global Id: T0607300024
Action Type: Other
Date: 08/03/1988
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1002
Local Case: H21181-001
Substance: Boiler Fuel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 08/03/1988
Date Stopped: 08/03/1988
Confirm Date: 08/03/1988
Submit Workplan: Not reported
Prelim Assess: 08/24/1988
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/24/1988
Enforce Date: Not reported
Closed Date: 4/26/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >100
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 21181
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported

CARSON ELEMENTARY SCHOOL (Continued) **S101302056**

Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21181
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021181-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	121181
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	437-120-01-00
Last HMMD Inspection:	01/12/1989
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SD CITY SCHOOLS
Facility Address:	6905 KRAMER ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92111-7021
UST Owner:	SD UNIFIED SCHOOL DIST
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121181 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121181
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-03-08 00:00:00

CARSON ELEMENTARY SCHOOL (Continued) **S101302056**

Year Installed: Not reported
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 10
UST Monitor Method: SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

ENVIROSTOR:
Facility ID: 60000009
Status: Inactive - Needs Evaluation
Status Date: 02/15/2005
Site Code: 404422
Site Type: School Investigation
Site Type Detailed: School
Acres: 7.7
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Angela Garcia
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 79
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 32.7759
Longitude: -117.1709
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: SAN DIEGO CITY SCHOOLS-CARSON ELEM SCL
Alias Type: Alternate Name
Alias Name: 404422
Alias Type: Project Code (Site Code)
Alias Name: 60000009
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 02/15/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

CARSON ELEMENTARY SCHOOL (Continued) **S101302056**

Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H21181-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/26/2000
Date Began: 8/3/1988

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47 **CITY OF SAN DIEGO WATER LAB** **CA HAZNET** **S113034854**
3250 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113034854
Year: 1993
GEPAID: CAL000034118
Contact: CITY OF SAN DIEGO
Telephone: 6194925005
Mailing Name: Not reported
Mailing Address: 14103 HIGHLAND VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921250000
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 2.91000000000
Facility County: San Diego

envid: S113034854
Year: 1993
GEPAID: CAL000034118
Contact: CITY OF SAN DIEGO
Telephone: 6194925005
Mailing Name: Not reported
Mailing Address: 14103 HIGHLAND VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921250000
Gen County: Not reported
TSD EPA ID: CAT080010101
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Tons: 8.69999999999
Facility County: San Diego

envid: S113034854
Year: 1993
GEPAID: CAL000034118
Contact: CITY OF SAN DIEGO
Telephone: 6194925005
Mailing Name: Not reported
Mailing Address: 14103 HIGHLAND VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921250000
Gen County: Not reported

CITY OF SAN DIEGO WATER LAB (Continued) **S113034854**

TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Laboratory waste chemicals
Disposal Method: Not reported
Tons: 5.00000000000
Facility County: San Diego

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47 **CITY OF SAN DIEGO** **CA HAZNET** **S112875147**
3250 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112875147
Year: 1996
GEPAID: CAC001218544
Contact: CITY OF SAN DIEGO
Telephone: 6194925073
Mailing Name: Not reported
Mailing Address: 9601 RIDGEHAIVEN 320
Mailing City,St,Zip: SAN DIEGO, CA 921230000
Gen County: Not reported
TSD EPA ID: AZD982441263
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Treatment, Incineration
Tons: .4000
Facility County: San Diego

---

48 **INDUSTRIAL ASPHALT** **CA EMI** **S106833007**
8150 FRIARS RD **N/A**
SAN DIEGO, CA 92108

EMI:
Year: 1993
County Code: 37
Air Basin: SD
Facility ID: 5961
Air District Name: SD
SIC Code: 2951
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 7
Reactive Organic Gases Tons/Yr: 7
Carbon Monoxide Emissions Tons/Yr: 6
NOX - Oxides of Nitrogen Tons/Yr: 5
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 18
Part. Matter 10 Micrometers & Smllr Tons/Yr: 8

Year: 1995
County Code: 37
Air Basin: SD
Facility ID: 5961
Air District Name: SD
SIC Code: 2951

INDUSTRIAL ASPHALT (Continued) **S106833007**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	5961
Air District Name:	SD
SIC Code:	2951
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	5961
Air District Name:	SD
SIC Code:	2951
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	6
NOX - Oxides of Nitrogen Tons/Yr:	5
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers & Smllr Tons/Yr:	8

---

48 **INDUSTRIAL ASPHALT** **RCRA-SQG** **1000428501**
8150 FRIARS RD **FINDS** **CAD982401952**
SAN DIEGO, CA 92108 **CA HIST CORTESE**
CA LUST
CA UST
CA HIST UST
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: INDUSTRIAL ASPHALT

INDUSTRIAL ASPHALT (Continued) **1000428501**

Facility address:	8150 FRIARS RD SAN DIEGO, CA 92108
EPA ID:	CAD982401952
Mailing address:	P O BOX 2263 IRWINDALE, CA 91706
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	INDUSTRIAL ASPHALT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

INDUSTRIAL ASPHALT (Continued) **1000428501**

Historical Generators:
Date form received by agency: 11/21/1989
Site name: INDUSTRIAL ASPHALT
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001187518

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1675

LUST:
Region: STATE
Global Id: T0607300491
Latitude: 32.776047
Longitude: -117.147607
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/30/1992
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1675
LOC Case Number: H21129-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300491
Status: Completed - Case Closed
Status Date: 12/30/1992

Global Id: T0607300491
Status: Open - Case Begin Date
Status Date: 04/09/1990

Regulatory Activities:

INDUSTRIAL ASPHALT (Continued) **1000428501**

Global Id: T0607300491
Action Type: Other
Date: 04/09/1990
Action: Leak Began

Global Id: T0607300491
Action Type: Other
Date: 04/09/1990
Action: Leak Discovery

Global Id: T0607300491
Action Type: ENFORCEMENT
Date: 04/23/1990
Action: Notice of Violation

Global Id: T0607300491
Action Type: Other
Date: 05/02/1990
Action: Leak Stopped

Global Id: T0607300491
Action Type: Other
Date: 04/09/1990
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1675
Local Case: H21129-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 04/09/1990
Date Stopped: 04/09/1990
Confirm Date: 04/24/1990
Submit Workplan: Not reported
Prelim Assess: 06/27/1990
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/20/1990
Enforce Date: 4/23/90
Closed Date: 12/18/92
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11

INDUSTRIAL ASPHALT (Continued) **1000428501**

GW Depth: 21'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

UST:
Facility ID: H21129
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.777373
Longitude: -117.146875

HIST UST:
Region: STATE
Facility ID: 00000002115
Facility Type: Other
Other Type: ASPHALT PLANT
Contact Name: DIST MGR
Telephone: 6192911440
Owner Name: INDUSTRIAL ASPHALT
Owner Address: BOX 7607
Owner City,St,Zip: VAN NUYS, CA 91409
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor, Vapor Sniff Well

SWEEPS UST:
Status: Active
Comp Number: 21129
Number: 9
Board Of Equalization: 44-003380
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021129-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 1

SAN DIEGO CO. HMMD:

INDUSTRIAL ASPHALT (Continued) **1000428501**

Facility Id:	121129
Business Type:	6HK70
EPA Id Number:	CAD982401952
APN:	438-012-01-00
Last HMMD Inspection:	07/22/1998
Permit Status:	INAC
Permit Expiration:	06/30/2001
Facility Owner:	CALMAT
Facility Address:	PO BOX 2950
Facility City:	LOS ANGELES
Facility State:	CA
Facility Zip:	90051-
UST Owner:	CAL MAT
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H21129-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	12/30/1992
Date Began:	4/9/1990

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48 **INDUSTRIAL ASPHALT** **CA RGA LUST** **S114635149**
8150 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	INDUSTRIAL ASPHALT	8150 FRIARS RD
2011	INDUSTRIAL ASPHALT	8150 FRIARS RD
2010	INDUSTRIAL ASPHALT	8150 FRIARS RD
2009	INDUSTRIAL ASPHALT	8150 FRIARS RD
2008	INDUSTRIAL ASPHALT	8150 FRIARS RD
2007	INDUSTRIAL ASPHALT	8150 FRIARS RD
2006	INDUSTRIAL ASPHALT	8150 FRIARS RD
2005	INDUSTRIAL ASPHALT	8150 FRIARS RD
2004	INDUSTRIAL ASPHALT	8150 FRIARS RD
2003	INDUSTRIAL ASPHALT	8150 FRIARS RD
2002	INDUSTRIAL ASPHALT	8150 FRIARS RD
2001	INDUSTRIAL ASPHALT	8150 FRIARS RD
2000	INDUSTRIAL ASPHALT	8150 FRIARS RD
1998	INDUSTRIAL ASPHALT	8150 FRIARS RD
1997	INDUSTRIAL ASPHALT	8150 FRIARS RD
1996	INDUSTRIAL ASPHALT	8150 FRIARS RD
1995	INDUSTRIAL ASPHALT	8150 FRIARS RD

48 **INDUSTRIAL ASPHALT** **CA RGA LUST** **S114635150**
8150 FRIARS ROAD **N/A**
SAN DIEGO, CA

RGA LUST:

1994	INDUSTRIAL ASPHALT	8150 FRIARS ROAD
1993	INDUSTRIAL ASPHALT	8150 FRIARS ROAD
1992	INDUSTRIAL ASPHALT	8150 FRIARS ROAD

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48 **QUARRY FALLS - UNITS D THROUGH I** **CA SLIC** **S110590892**
0 MISSION CENTER **N/A**
SAN DIEGO, CA 92108

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/29/2012
Global Id:	T10000003630
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39754-002
Latitude:	32.7760895299012
Longitude:	-117.149405479431
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Please refer to "Site Maps/Documents" tab for Closure Letter

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/18/2010
Global Id:	T10000002579
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39754-001
Latitude:	32.7764864409557
Longitude:	-117.152409553528
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

49 **MAXWELL W F CO INC** **CA SWEEPS UST** **S106929222**
3051 N CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Not reported
Comp Number:	21125
Number:	Not reported
Board Of Equalization:	44-023443
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021125-000001
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	2

Status:	Not reported
Comp Number:	21125
Number:	Not reported
Board Of Equalization:	44-023443
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021125-000002
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

---

49 **TIAA CENTERSIDE I** **CA HAZNET** **S113143601**
3111 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113143601
Year:	2012
GEPAID:	CAL000309244
Contact:	SCOTT BRINEGAR
Telephone:	6192821827
Mailing Name:	Not reported
Mailing Address:	4747 EXECUTIVE DR STE 400
Mailing City,St,Zip:	SAN DIEGO, CA 921210000
Gen County:	San Diego
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	San Diego

TIAA CENTERSIDE I (Continued) **S113143601**

envid: S113143601
Year: 2012
GEPAID: CAL000309244
Contact: SCOTT BRINEGAR
Telephone: 6192821827
Mailing Name: Not reported
Mailing Address: 4747 EXECUTIVE DR STE 400
Mailing City,St,Zip: SAN DIEGO, CA 921210000
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.015
Facility County: San Diego

envid: S113143601
Year: 2011
GEPAID: CAL000309244
Contact: SCOTT BRINEGAR
Telephone: 6192821827
Mailing Name: Not reported
Mailing Address: 4747 EXECUTIVE DR STE 400
Mailing City,St,Zip: SAN DIEGO, CA 92121
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.285
Facility County: San Diego

envid: S113143601
Year: 2010
GEPAID: CAL000309244
Contact: SCOTT BRINEGAR
Telephone: 6192821827
Mailing Name: Not reported
Mailing Address: 4747 EXECUTIVE DR STE 400
Mailing City,St,Zip: SAN DIEGO, CA 921210000
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.105
Facility County: San Diego

envid: S113143601
Year: 2008
GEPAID: CAL000309244
Contact: SCOTT BRINEGAR
Telephone: 6192821827
Mailing Name: Not reported

TIAA CENTERSIDE I (Continued) **S113143601**

Mailing Address: 110 W A ST STE 900
Mailing City,St,Zip: SAN DIEGO, CA 921010000
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.038
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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49 **CENTERSIDE ONE** **CA SWEEPS UST** **S106924148**
3111 CAMINO DEL RIO N 603 **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:
Status: Active
Comp Number: 29774
Number: 9
Board Of Equalization: 44-023806
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-029774-000001
Tank Status: A
Capacity: 575
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 1

---

49 **REAL ENERGY INC** **FINDS** **1011986681**
3111 CAMINO DEL RIO N #310 **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110037988586

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

49 **CAL.PUBLIC EMPLOYEES' RETIREME** **CA San Diego Co. HMMD** **S106063053**
3111 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	206663
Business Type:	6HK70
EPA Id Number:	CAL000309244
APN:	DEH-129774
Last HMMD Inspection:	07/23/2010
Permit Status:	INAC
Permit Expiration:	11/30/2012
Facility Owner:	TIAA CREF
Facility Address:	4747 EXECUTIVE DR #400
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	206663
Business Type:	6HK70
EPA Id Number:	CAL000309244
APN:	DEH-129774
Last HMMD Inspection:	07/23/2010
Permit Status:	INAC
Permit Expiration:	11/30/2012
Facility Owner:	TIAA CREF
Facility Address:	4747 EXECUTIVE DR #400
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	216820
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-129774
Last HMMD Inspection:	07/30/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	THE IRVINE COMPANY, LLC
Facility Address:	225 BROADWAY #1550
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Y

CAL.PUBLIC EMPLOYEES' RETIREME (Continued) **S106063053**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: N
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 216820
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 129774
Business Type: 6HK18
EPA Id Number: CAL000094416
APN: DEH-129774
Last HMMD Inspection: 05/13/2004
Permit Status: INAC
Permit Expiration: 12/31/2006
Facility Owner: CPERS
Facility Address: 4275 EXECUTIVE SQUARE #300
Facility City: LA JOLLA
Facility State: CA
Facility Zip: 92037
UST Owner: TRT CENTERSIDE ONE INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 129774 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 129774
Tank Type: SINGLE WALL
Additional Id: 00001/ AT
Capacity Gallons: 575
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-02-15 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Facility Id: 216820
Business Type: 6HK18

CAL.PUBLIC EMPLOYEES' RETIREME (Continued) **S106063053**

EPA Id Number:	Not reported
APN:	DEH-129774
Last HMMD Inspection:	07/30/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	THE IRVINE COMPANY, LLC
Facility Address:	225 BROADWAY #1550
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	216820
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL #2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Click this hyperlink while viewing on your computer to access
2 additional CA_HMMD: record(s) in the EDR Site Report.

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49 **TRST CENTERSIDE I** **CA HAZNET** **S112839734**
3111 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112839734
Year:	1994
GEPAID:	CAC000716400
Contact:	TEACHERS RETIREMENT CENTER
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3111 CAMINO DEL RIO NORTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	.2502
Facility County:	San Diego

49 **TRST CENTERSIDE INC/CENTERSIDE** **CA HAZNET** **S113057799**
3111 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113057799
Year:	1995
GEPAID:	CAL000094416
Contact:	TRST CENTERSIDE INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3111 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921085720
Gen County:	Not reported
TSD EPA ID:	AZD983481813
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	.8428
Facility County:	San Diego

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49 **REAL ENERGY INC** **CA EMI** **S106921369**
3111 CAMINO DEL RIO N #310 **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	7705
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	7705
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.2934382
Reactive Organic Gases Tons/Yr:	0.0242657
Carbon Monoxide Emissions Tons/Yr:	0.7826335
NOX - Oxides of Nitrogen Tons/Yr:	0.012232
SOX - Oxides of Sulphur Tons/Yr:	0.004821
Particulate Matter Tons/Yr:	0.159093
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.159093

REAL ENERGY INC (Continued) **S106921369**

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	7705
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.29
Reactive Organic Gases Tons/Yr:	.01914
Carbon Monoxide Emissions Tons/Yr:	.78
NOX - Oxides of Nitrogen Tons/Yr:	.01121
SOX - Oxides of Sulphur Tons/Yr:	.00483
Particulate Matter Tons/Yr:	.1408450704225352112
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.14

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	7705
Air District Name:	SD
SIC Code:	4911
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.29
Reactive Organic Gases Tons/Yr:	.0191355
Carbon Monoxide Emissions Tons/Yr:	.78
NOX - Oxides of Nitrogen Tons/Yr:	.01121
SOX - Oxides of Sulphur Tons/Yr:	.004821
Particulate Matter Tons/Yr:	.14
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.14

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49 **HEALTH NET** **CA San Diego Co. HMMD** **S106068328**
3131 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153412
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-230-40-00
Last HMMD Inspection:	05/14/1997
Permit Status:	INAC
Permit Expiration:	05/14/1997
Facility Owner:	HEALTH NET
Facility Address:	3131 CAMINO DEL RIO N. 1100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

49 **SCRIPPS MEM HOSP HOME HTH CARE** **CA San Diego Co. HMMD** **S106066974**
3131 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	151348
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	433-230-40-00
Last HMMD Inspection:	08/22/1995
Permit Status:	INAC
Permit Expiration:	06/30/1997
Facility Owner:	SCRIPPS MEM HOSP HOME HEALTHCA
Facility Address:	3131 CAMINO DEL RIO NORTH 550
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-5701
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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49 **CENTERSIDE II** **CA HAZNET** **S112958437**
3131 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112958437
Year:	2007
GEPAID:	CAC002611766
Contact:	WAYNE HARRIS
Telephone:	8583346625
Mailing Name:	Not reported
Mailing Address:	9255 TOWNE CENTRE DR STE 800
Mailing City,St,Zip:	SAN DIEGO, CA 921213041
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.03
Facility County:	San Diego

envid:	S112958437
Year:	2007
GEPAID:	CAC002611766
Contact:	WAYNE HARRIS
Telephone:	8583346625
Mailing Name:	Not reported
Mailing Address:	9255 TOWNE CENTRE DR STE 800
Mailing City,St,Zip:	SAN DIEGO, CA 921213041
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

CENTERSIDE II (Continued) **S112958437**

(H010-H129) Or (H131-H135)
Tons: 0.15
Facility County: San Diego

envid: S112958437
Year: 2007
GEPAID: CAC002611766
Contact: WAYNE HARRIS
Telephone: 8583346625
Mailing Name: Not reported
Mailing Address: 9255 TOWNE CENTRE DR STE 800
Mailing City,St,Zip: SAN DIEGO, CA 921213041
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.03
Facility County: San Diego

envid: S112958437
Year: 2006
GEPAID: CAC002611766
Contact: WAYNE HARRIS
Telephone: 8583346625
Mailing Name: Not reported
Mailing Address: 9255 TOWNE CENTRE DR STE 800
Mailing City,St,Zip: SAN DIEGO, CA 921213041
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.8
Facility County: San Diego

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49 **WILLIAM WILSON & ASSOCIATES** **CA HAZNET** **S112899523**
3131 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112899523
Year: 2002
GEPAID: CAC002131801
Contact: STEVE ISAACSON
Telephone: 6192828175
Mailing Name: Not reported
Mailing Address: 3131 CAMINO DEL RIO NORTH #310
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 0.2
Facility County: San Diego

envid: S112899523

WILLIAM WILSON & ASSOCIATES (Continued) **S112899523**

Year:	2001
GEPAID:	CAC002131801
Contact:	STEVE ISAACSON
Telephone:	6192828175
Mailing Name:	Not reported
Mailing Address:	3131 CAMINO DEL RIO NORTH #310
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	0.2
Facility County:	San Diego

envid:	S112899523
Year:	2001
GEPAID:	CAC002131801
Contact:	STEVE ISAACSON
Telephone:	6192828175
Mailing Name:	Not reported
Mailing Address:	3131 CAMINO DEL RIO NORTH #310
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Transfer Station
Tons:	0.2
Facility County:	San Diego

envid:	S112899523
Year:	1998
GEPAID:	CAC002131801
Contact:	WILLIAM WILSON & ASSOCIATES
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3131 CAMINO DEL RIO NORTH #310
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Transfer Station
Tons:	.1250
Facility County:	San Diego

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49 **CENTERS DE II** **CA San Diego Co. HMMD** **S106062836**
3131 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	128997
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-128997
Last HMMD Inspection:	03/07/1991
Permit Status:	INAC

CENTERS DE II (Continued) **S106062836**

Permit Expiration:	03/07/1991
Facility Owner:	HOMART DEVELOPMENT
Facility Address:	3266 EASY ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92105-3764
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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50 **7-ELEVEN** **CA HIST CORTESE** **S103988803**
6615 LINDA VISTA **CA LUST** **N/A**
SAN DIEGO, CA 92111

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2641

LUST:

Region:	STATE
Global Id:	T0607301389
Latitude:	32.773735089295
Longitude:	-117.174940109253
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/28/1994
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2641
LOC Case Number:	H21184-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301389
Status:	Completed - Case Closed
Status Date:	01/28/1994

Global Id:	T0607301389
Status:	Open - Case Begin Date
Status Date:	11/30/1993

Regulatory Activities:

Global Id:	T0607301389
Action Type:	Other
Date:	11/30/1993

7-ELEVEN (Continued) **S103988803**

Action:	Leak Began
Global Id:	T0607301389
Action Type:	Other
Date:	11/30/1993
Action:	Leak Discovery
Global Id:	T0607301389
Action Type:	Other
Date:	11/30/1993
Action:	Leak Stopped
Global Id:	T0607301389
Action Type:	ENFORCEMENT
Date:	01/11/1994
Action:	Notice of Responsibility
Global Id:	T0607301389
Action Type:	Other
Date:	12/30/1993
Action:	Leak Reported

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50 **7 ELEVEN FOOD STORES** **CA LUST** **S102423536**
6615 LINDA VISTA RD **CA EMI** **N/A**
SAN DIEGO, CA 92111

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2641
Local Case:	H21184-001
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	11/30/1993
Date Stopped:	11/30/1993
Confirm Date:	12/30/1993
Submit Workplan:	1/11/94
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/06/1994
Enforce Date:	Not reported
Closed Date:	1/27/94
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11

7 ELEVEN FOOD STORES (Continued) **S102423536**

GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	85298
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.26
Reactive Organic Gases Tons/Yr:	1.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	85298
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.26
Reactive Organic Gases Tons/Yr:	1.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	85298
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.26
Reactive Organic Gases Tons/Yr:	1.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

7 ELEVEN FOOD STORES (Continued) **S102423536**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	85298
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.26
Reactive Organic Gases Tons/Yr:	1.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	85298
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.26
Reactive Organic Gases Tons/Yr:	1.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	85298
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.26
Reactive Organic Gases Tons/Yr:	1.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2012
County Code:	37

7 ELEVEN FOOD STORES (Continued) **S102423536**

Air Basin:	SD
Facility ID:	85298
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.26
Reactive Organic Gases Tons/Yr:	1.26
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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50 **7-ELEVEN #13643** **CA UST** **U003937250**
6615 LINDA VISTA RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92111 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

UST:

Facility ID:	H21184
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.7748724
Longitude:	-117.1736244

SWEEPS UST:

Status:	Active
Comp Number:	21184
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021184-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	21184
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021184-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL

7-ELEVEN #13643 (Continued) **U003937250**

STG:	P
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	21184
Number:	9
Board Of Equalization:	44-002251
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021184-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	121184
Business Type:	6HK28
EPA Id Number:	CAL000146849
APN:	437-030-14-00
Last HMMD Inspection:	08/20/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	7-ELEVEN, INC.
Facility Address:	PO BOX 711
Facility City:	DALLAS
Facility State:	TX
Facility Zip:	75221-
UST Owner:	7-ELEVEN, INC.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121184 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121184
Tank Type:	DOUBLE WALL
Additional Id:	RT1390, RT4264; RT 4993
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A

7-ELEVEN #13643 (Continued) **U003937250**

UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 121184 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 121184
Tank Type: DOUBLE WALL
Additional Id: RT1390, RT4264; RT4993
Capacity Gallons: 10000
UST Contents: MIDGRADE UNLEADED
Other Content Info: MIDGRADE UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1986-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name: UNDERGROUND TANK 121184 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 121184
Tank Type: DOUBLE WALL
Additional Id: RT1390, RT4264; RT4993
Capacity Gallons: 10000
UST Contents: PREMIUM UNLEADED
Other Content Info: PREMIUM UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1986-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31A
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id: 121184
Update Date: 11/02/2012
Case Number: Not reported
Name: MIDGRADE UNLEADED
Other Information: UNDERGROUND TANK 121184 T002
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121184
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 121184 T001
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121184

7-ELEVEN #13643 (Continued) **U003937250**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121184
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 121184 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	121184
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	GAS & WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/12/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/12/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/18/2010
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Facility Id:	121184
Update Date:	11/02/2012

7-ELEVEN #13643 (Continued) **U003937250**

Inspection Date:	08/12/2005
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/18/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	07/27/2004
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	07/27/2004
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/12/2005
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/12/2005

7-ELEVEN #13643 (Continued) **U003937250**

Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	07/27/2004
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/06/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	121184
Business Type:	6HK28
EPA Id Number:	CAL000146849
APN:	437-030-14-00
Last HMMD Inspection:	08/20/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	7-ELEVEN, INC.
Facility Address:	PO BOX 711
Facility City:	DALLAS
Facility State:	TX
Facility Zip:	75221-
UST Owner:	7-ELEVEN, INC.
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121184 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121184
Tank Type:	DOUBLE WALL
Additional Id:	RT1390, RT4264; RT 4993
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL

7-ELEVEN #13643 (Continued) **U003937250**

Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 121184 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121184
Tank Type:	DOUBLE WALL
Additional Id:	RT1390, RT4264; RT4993
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 121184 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121184
Tank Type:	DOUBLE WALL
Additional Id:	RT1390, RT4264; RT4993
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	121184
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MIDGRADE UNLEADED
Other Information:	UNDERGROUND TANK 121184 T002
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	121184
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 121184 T001
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

7-ELEVEN #13643 (Continued) **U003937250**

Facility Id:	121184
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FUEL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121184
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SUPER UNLEADED
Other Information:	UNDERGROUND TANK 121184 T003
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	121184
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	GAS & WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/12/2005
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/12/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/18/2010
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Facility Id:	121184

7-ELEVEN #13643 (Continued) **U003937250**

Update Date:	11/02/2012
Inspection Date:	08/12/2005
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/18/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	07/27/2004
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/06/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	07/27/2004
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/12/2005
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012

7-ELEVEN #13643 (Continued) **U003937250**

Inspection Date:	08/12/2005
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	07/27/2004
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	121184
Update Date:	11/02/2012
Inspection Date:	08/06/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

SAN DIEGO CO. SAM:

Case Number:	H21184-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/28/1994
Date Began:	11/30/1993

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50 **TST** **CA HIST CORTESE** **S101302061**
6619 LINDA VISTA RD **CA LUST** **N/A**
SAN DIEGO, CA 92111 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2471

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT2471
Local Case:	H05309-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Inventory Control
How Stopped:	Not reported

TST (Continued) **S101302061**

Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 04/07/1993
Date Stopped: 08/26/1982
Confirm Date: 04/07/1993
Submit Workplan: 4/7/93
Prelim Assess: 07/19/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/07/1993
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: High priority
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 105309
Business Type: Not reported
EPA Id Number: Not reported
APN: 437-030-13-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 03/10/1994
Facility Owner: Not reported
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

SAN DIEGO CO. SAM:
Case Number: H05309-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Action (Clean-Up)
Date: 3/2/2001

TST (Continued) **S101302061**

Date Began: 8/26/1982

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50 **TST** **CA LUST** **S109040306**
6619 LINDA VISTA RD **CA SLIC** **N/A**
SAN DIEGO, CA 92111 **CA CHMIRS**

LUST:

Region:	STATE
Global Id:	T0607301230
Latitude:	32.77385932
Longitude:	-117.174759303
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/27/2013
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2471
LOC Case Number:	H05309-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	The site was historically operated as a gasoline service station and is located on a dissected mesa in the Linda Vista area of metropolitan San Diego. Four underground storage tanks (USTs) were removed from the site by the owner/operator (Exxon) just prior to sale of its property in August 1982. The service station ceased operation following the UST removals, which were performed before the County required UST closure permits. The former USTs included one 280-gallon waste oil tank, two 3,000-gallon gasoline tanks, and one 5,000-gallon gasoline tank that had been installed in 1961. Initial subsurface investigations at the site included a soil gas survey and soil sample collection from three trenches excavated across the former gasoline UST pit and from three additional trenches located near product lines (Note: the product lines were removed under permit in May 1994). Petroleum hydrocarbon detections were associated with soil gas samples collected southwest of the station building, either within the footprint of the former gasoline UST pit or within approximately 5 feet of its perimeter. Analytical results for soil samples collected in the UST pit area included a maximum total petroleum hydrocarbon (TPH) concentration of 6,240 milligrams per kilogram (mg/kg). Based on the soil sample results, DEH opened an unauthorized release case on July 7, 1993. Site investigations performed from 1995 to 2003 by Environmental Resolutions, Inc. (ERI) included the advancement and sampling of four borings and the installation of four vapor extraction wells (VEW1 through VEW4), of which two were dual-nested; four, dual-nested, groundwater monitoring wells (MW1s/d, MW2s/d, MW3s/d, and MW5s/d); two additional dual-nested vapor extraction wells (SVE5s/d and SVE6s/d); and groundwater monitoring well MW4. Two of the dual-nested groundwater monitoring wells (MW3s/d and MW5s/d) were installed on the adjoining property to the southwest, the site of a 7-11 convenience store. Three pairs of groundwater monitoring wells (MW9s/MW9d, MW10s/MW10d, and MW11s/MW11d) were installed on the adjoining 7-11 property during field activities performed in June 2008 by ETIC Engineering, Inc. Groundwater monitoring well pair MW7s/MW7d was installed in the alley adjoining the site to the northeast in January 2010. Groundwater monitoring well pair MW6s/MW6d was installed onsite near the Linda

TST (Continued) **S109040306**

Vista Road right-of-way in April and August 2010. [Note: Following the advancement of the well boring MW-13 to a total depth of 163 feet in November 2009, the conductor casing broke and it was abandoned in place. The MW-13 well boring, which was located in the UST pit area, was destroyed under permit]. Fill materials were encountered to a depth of approximately 13 feet bgs in trenches excavated during initial site assessment activities in 1991. Subsurface bedrock units underlying the fill materials consisted primarily of well-indurated pebble and cobble conglomerates and thin, interbedded sandstones. A 55-foot thick, massive sandstone unit was logged, underlain by alternating layers of sandy siltstone, mudstone, and sandstone to the maximum depth of exploration (163 feet bgs). Most of the site vapor extraction and groundwater monitoring well borings were advanced using either air rotary or sonic methods. [Note: Neither of these methods was conducive to preservation of petroleum and aromatic hydrocarbons in formation samples]. Two groundwater zones were identified beneath the site in the massive sandstone unit. Groundwater is measured in upper zone wells at a depth of approximately 105 feet bgs. The water level in lower zone wells occurs at approximately 115 feet bgs. According to the consultant (Cardno ERI), The upper and lower zones appear to be consistently separate but may actually be in communication with one another. The movement of groundwater beneath the site is complex due to the variability in material sizes, porosity and permeability of the conglomerate and sandstone. The groundwater flow directions interpreted from water elevation data for the two zones have been variable, but the most recent data (June 2013) suggest a southeasterly flow direction for the upper zone and a northerly flow direction for the lower zone. [DEH notes that the screened interval for each of the upper zone monitoring wells terminates at depths of 107 or 108 feet bgs; the water level in each of these wells had fallen to approximately 107 feet bgs or deeper when monitored in June 2013 (i.e., the wells were dry or nearly so). Two of the wells screened across the lower zone were also dry, indicating water levels had fallen below 125 feet bgs in some areas of the site]. Free product has been detected historically in five wells (MW1s, MW1d, MW4, SVE5s and SVE6d) at maximum apparent thicknesses of 2.75, 6.75, 5.78, 0.25 and 8.73 feet, respectively. Monthly bailing activities were initiated in July 1997 and suspended in May 2010. Approximately 627 gallons of product had been recovered by bailing. Free product was observed in four wells (MW1s, MW1d, MW4, and SVE6d) during the most recent monitoring round performed on June 12, 2013 (SVE5s was dry). The measured apparent thicknesses of free product were 0.07, 0.13, 3.43, and 0.02 feet, respectively [Note: The free product thickness in MW-4 increased from 0.80 foot to 3.43 feet from June 2012 to June 2013 as the water level fell 3.89 feet. In contrast, water levels in MW1s, MW1d, and SVE6d dropped 0.3 foot, 1.39 feet, and 1.62 feet, respectively, during the same period]. From July 1999 to April 2006, a soil vapor extraction (SVE) system operated at the site. In October 2001, slurping tubes were installed in lower zone wells MW1d and SVE6d, both of which had free product. The SVE system and slurping tubes operated continuously through the first few months of 2002 until free product was no longer detected. In the latter half of 2003, MW-4 was manifolded to the SVE to facilitate removal of free product. Approximately 100,565 pounds of hydrocarbon vapors were extracted during the system operation. The system was shut down in 2006 due to low vapor influent concentration. Evaluation of rebound,

TST (Continued) **S109040306**

including occasional bailing of free product, was performed following cessation of system operation. According to Cardno ERIs site conceptual model, the gasoline release at the site appears to have migrated vertically through the vadose zone to groundwater. DEH notes that the gasoline then spread laterally in the massive sandstone unit as free product and a dissolved contaminant plume. The consultant estimated the areal extent of the free product plume to be 540 square feet and that an estimated 69.38 cubic yards of gasoline-impacted bedrock remains in place. The free product plume is confined to the site. The length of the dissolved contaminant plume was estimated to be less than 100 feet. Although the site source area lies approximately 50 feet inside the boundary of a non-beneficial use area, the upper zone may be tributary to the Mission Hydrologic Area, which has beneficial uses, including municipal supply. The nearest production wells to the site are located in Mission Valley more than one-half mile from the site and are used for golf course irrigation purposes. A human health risk assessment was performed for the site building in November 2009 by ETIC. The calculated carcinogenic risk was less than the threshold value of 1 x 10-6. Although free product remains in the subsurface at depths greater than 100 feet, thicknesses have generally decreased. A revised Corrective Action Plan (CAP) for the site was submitted to DEH in May 2013 proposed site remediation by natural attenuation. The consultant recommended no further action and case closure. DEH concurs with these recommendations.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301230
Contact Type:	Local Agency Caseworker
Contact Name:	CAROL FENNER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	carol.fenner@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301230
Status:	Completed - Case Closed
Status Date:	08/27/2013
Global Id:	T0607301230
Status:	Open - Assessment & Interim Remedial Action
Status Date:	10/06/2009
Global Id:	T0607301230
Status:	Open - Case Begin Date
Status Date:	08/26/1982
Global Id:	T0607301230
Status:	Open - Eligible for Closure
Status Date:	07/11/2013
Global Id:	T0607301230
Status:	Open - Remediation

TST (Continued) **S109040306**

Status Date: 02/10/2000

Regulatory Activities:

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 03/05/2010
Action: Notice of Responsibility

Global Id: T0607301230
Action Type: Other
Date: 08/26/1982
Action: Leak Began

Global Id: T0607301230
Action Type: RESPONSE
Date: 04/29/2011
Action: CAP/RAP - Feasibility Study Report - Regulator Responded

Global Id: T0607301230
Action Type: RESPONSE
Date: 05/03/2013
Action: CAP/RAP - Feasibility Study Report - Regulator Responded

Global Id: T0607301230
Action Type: RESPONSE
Date: 08/05/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607301230
Action Type: RESPONSE
Date: 10/31/2010
Action: Monitoring Report - Quarterly

Global Id: T0607301230
Action Type: RESPONSE
Date: 07/21/2009
Action: Respond to Petition

Global Id: T0607301230
Action Type: RESPONSE
Date: 01/31/2011
Action: Monitoring Report - Quarterly

Global Id: T0607301230
Action Type: REMEDIATION
Date: 07/02/1997
Action: Free Product Removal

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 11/21/2008
Action: Petition Submitted for Review

Global Id: T0607301230
Action Type: Other
Date: 08/26/1982
Action: Leak Discovery

TST (Continued) **S109040306**

Global Id: T0607301230
Action Type: RESPONSE
Date: 03/31/2011
Action: Monitoring Report - Quarterly

Global Id: T0607301230
Action Type: RESPONSE
Date: 07/31/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607301230
Action Type: RESPONSE
Date: 06/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607301230
Action Type: REMEDIATION
Date: 07/01/1999
Action: Soil Vapor Extraction (SVE)

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 10/21/2011
Action: Petition Dismissed by Executive Director

Global Id: T0607301230
Action Type: Other
Date: 08/26/1982
Action: Leak Stopped

Global Id: T0607301230
Action Type: RESPONSE
Date: 01/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 07/21/1993
Action: Notice of Responsibility

Global Id: T0607301230
Action Type: RESPONSE
Date: 07/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 08/08/2012
Action: Letter - Notice

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 08/27/2013
Action: Closure/No Further Action Letter

Global Id: T0607301230
Action Type: Other

TST (Continued) **S109040306**

Date: 10/05/1993
Action: Leak Reported

Global Id: T0607301230
Action Type: RESPONSE
Date: 01/31/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 11/21/2008
Action: Notice of Responsibility

Global Id: T0607301230
Action Type: RESPONSE
Date: 07/08/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 04/21/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607301230
Action Type: ENFORCEMENT
Date: 04/16/2009
Action: Staff Letter

Global Id: T0607301230
Action Type: RESPONSE
Date: 04/07/2011
Action: Site Assessment Report - Regulator Responded

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/11/2014
Global Id: T10000005246
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: DEH2013-LSAM-000206
Latitude: 32.7740335692385
Longitude: -117.174677035582
Case Type: Cleanup Program Site
Case Worker: CF
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Refer to "Site Maps/Documents" tab for No Further Action Letter

TST (Continued) **S109040306**

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	06-7427
OES notification:	12/16/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	City of San Diego, Metro Waste Water Collections
Incident Date:	12/16/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	Sewage
Gallons:	207
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported

TST (Continued) **S109040306**

Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: A root blockage in a VC main caused the sewage to come out of the clean-out. The spill was contained within the backyard.

---

50 **PRESIDIO AUTO CENTER** **CA San Diego Co. HMMD** **S104747487**
6645 LINDA VISTA RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92111

SAN DIEGO CO. HMMD:

Facility Id:	126446
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	437-030-03-00
Last HMMD Inspection:	01/20/1988
Permit Status:	INAC
Permit Expiration:	01/20/1988
Facility Owner:	A HESHMATY & T TABATABAI
Facility Address:	6645 LINDA VISTA RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92111-7325
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	112773
Business Type:	6HK26
EPA Id Number:	CAL000236098
APN:	437-030-03-00
Last HMMD Inspection:	08/18/2009
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	QUANG TRINH
Facility Address:	6645 LINDA VISTA RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92111-7325
UST Owner:	LEO H LAFRENIERE
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

PRESIDIO AUTO CENTER (Continued) **S104747487**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 112773 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112773
Tank Type: SINGLE WALL
Additional Id: 00001
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1993-11-03 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112773 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112773
Tank Type: SINGLE WALL
Additional Id: 00002
Capacity Gallons: 10000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1993-11-03 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112773 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 112773
Tank Type: SINGLE WALL
Additional Id: 00003
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1993-11-03 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Active Permits:
Facility Id: 112773

PRESIDIO AUTO CENTER (Continued) **S104747487**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: *
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112773
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112773
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112773
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: CALSTATE BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SAN DIEGO CO. SAM:
Case Number: H12773-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 4/16/1993
Date Began: 12/27/1989

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50 **APOLLO GAS** **CA SLIC** **U001572779**
6645 LINDA VISTA RD **CA HIST UST** **N/A**
SAN DIEGO, CA 92109 **CA SWEEPS UST**

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/16/1993
Global Id: T0608139370
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H12773-001
Latitude: 32.774403

APOLLO GAS (Continued) **U001572779**

Longitude:	-117.173998
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000045977
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	MARK KENNEDY
Telephone:	6194883666
Owner Name:	JAMES R. BEVERLEY JR.
Owner Address:	1233 OPAL ST.
Owner City,St,Zip:	PACIFIC BEACH, CA 92109
Total Tanks:	0003

Tank Num:	001
Container Num:	#3
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test

Tank Num:	002
Container Num:	#2
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test

Tank Num:	003
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor, Pressure Test

SWEEPS UST:

Status:	Active
Comp Number:	12773
Number:	9
Board Of Equalization:	44-022641

APOLLO GAS (Continued) **U001572779**

Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012773-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	12773
Number:	9
Board Of Equalization:	44-022641
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012773-000002
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	12773
Number:	9
Board Of Equalization:	44-022641
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012773-000003
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

---

50 **SKEETERS AUTOMOTIVE (TEXACO)** **CA HIST CORTESE** **S100729176**
6705 LINDA VISTA RD **CA LUST** **N/A**
SAN DIEGO, CA 92111 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1015

SKEETERS AUTOMOTIVE (TEXACO) (Continued) **S100729176**

LUST:

Region:	STATE
Global Id:	T0607300037
Latitude:	32.7753547
Longitude:	-117.1735274
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/08/1992
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1015
LOC Case Number:	H13302-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300037
Status:	Completed - Case Closed
Status Date:	11/08/1992

Global Id:	T0607300037
Status:	Open - Case Begin Date
Status Date:	06/01/1988

Regulatory Activities:

Global Id:	T0607300037
Action Type:	ENFORCEMENT
Date:	06/01/1988
Action:	Notice of Responsibility

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1015
Local Case:	H13302-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	EDETVS
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	05/26/1988
Date Stopped:	06/01/1988
Confirm Date:	06/01/1988
Submit Workplan:	Not reported
Prelim Assess:	06/06/1988

SKEETERS AUTOMOTIVE (TEXACO) (Continued) **S100729176**

Desc Pollution: 3/16/90
Remed Plan: / /
Remed Action: 6/15/89
Began Monitor: Not reported
Release Date: 06/06/1988
Enforce Date: Not reported
Closed Date: 11/8/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 113302
Business Type: Not reported
EPA Id Number: Not reported
APN: 437-030-05-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: Not reported
Facility Address: Not reported
Facility City: Not reported
Facility State: Not reported
Facility Zip: Not reported
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

SAN DIEGO CO. SAM:
Case Number: H13302-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/8/1992
Date Began: 6/1/1988

51 **GUARDIAN ANGEL HOME CARE INC** **CA San Diego Co. HMMD** **S106068422**
3160 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153550
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-080-18-00
Last HMMD Inspection:	05/13/2002
Permit Status:	INAC
Permit Expiration:	04/30/2003
Facility Owner:	W. ANDREW WRIGHT
Facility Address:	2401 S. PLUM GROVE RD
Facility City:	PALATINE
Facility State:	IL
Facility Zip:	60067
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	212583
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-080-18-00
Last HMMD Inspection:	08/11/2010
Permit Status:	INAC
Permit Expiration:	11/30/2012
Facility Owner:	GUARDIAN ANGEL HOME CARE INC
Facility Address:	1715 NORTHFIELD DR
Facility City:	ROCHESTER HILLS
Facility State:	MI
Facility Zip:	48309
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	153550
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-080-18-00
Last HMMD Inspection:	05/13/2002
Permit Status:	INAC
Permit Expiration:	04/30/2003
Facility Owner:	W. ANDREW WRIGHT
Facility Address:	2401 S. PLUM GROVE RD
Facility City:	PALATINE
Facility State:	IL
Facility Zip:	60067
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported

GUARDIAN ANGEL HOME CARE INC (Continued) **S106068422**

Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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51 **RENAISSANCE HOME HEALTH** **CA San Diego Co. HMMD** **S106072481**
3160 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	202551
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	439-080-18-00
Last HMMD Inspection:	02/23/2010
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	PAULA EGBERT
Facility Address:	3160 CAMINO DEL RIO SOUTH, #312
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	202551
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS COMPLIANCE INC (MAIL BACK)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

---

51 **INDUSTRIAL INDEMNITY COMPANY** **CA HAZNET** **S112862327**
3255 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112862327
Year:	1995
GEPAID:	CAC001039240
Contact:	INDUSTRIAL INDEMNITY COMPANY
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3255 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083826
Gen County:	Not reported
TSD EPA ID:	CAT080033681

INDUSTRIAL INDEMNITY COMPANY (Continued) **S112862327**

TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: .8428
Facility County: San Diego

envid: S112862327
Year: 1995
GEPAID: CAC001039240
Contact: INDUSTRIAL INDEMNITY COMPANY
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 3255 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083826
Gen County: Not reported
TSD EPA ID: CAD067786749
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 21.9128
Facility County: San Diego

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52 **SDCTY-PUD, PUMP STATION 49** **FINDS** **1016714749**
2949 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110057061520

Environmental Interest/Information System
STATE MASTER

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52 **SDCTY-PUBLIC UTILITIES-PUMP STATION 49** **CA San Diego Co. HMMD** **S106879545**
2949 CAM DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 203958
Business Type: 6HK18
EPA Id Number: Not reported
APN: 433-230-34-00
Last HMMD Inspection: 09/27/2011
Permit Status: OPEN
Permit Expiration: 12/31/2012
Facility Owner: METRO OPERATIONS STATION
Facility Address: 9150 TOPAZ WY
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92123
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported

SDCTY-PUBLIC UTILITIES-PUMP STATION 49 (Continued) **S106879545**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 203958
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

---

53 **EDR US Hist Cleaners** **1015099610**
8275 STATION VILLAGE LN **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:
Name: EXPRESS MOBILE DRAPERY CLEANING
Year: 2011
Address: 8275 STATION VILLAGE LN

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54 **MISSION VALLEY CHEVRON #94991** **CA San Diego Co. HMMD** **S106061019**
2290 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 112975
Business Type: 6HK29
EPA Id Number: CAL000211598
APN: 438-120-11-00
Last HMMD Inspection: 07/11/2012
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: CHEVRON PRODUCTS COMPANY
Facility Address: PO BOX 6004
Facility City: SAN RAMON
Facility State: CA
Facility Zip: 94583
UST Owner: CHEVRON PRODUCTS CO
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112975 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112975
Tank Type: SINGLE WALL
Additional Id: 1 UNLEADED
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED

MISSION VALLEY CHEVRON #94991 (Continued) **S106061019**

Reg Status:	REMOVED
Remove Close Date:	1993-09-23 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112975 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112975
Tank Type:	SINGLE WALL
Additional Id:	2 UNLEADED
Capacity Gallons:	9000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1993-09-23 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112975 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112975
Tank Type:	SINGLE WALL
Additional Id:	3 REGULAR LEADED
Capacity Gallons:	4000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1993-09-23 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112975 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112975
Tank Type:	SINGLE WALL
Additional Id:	4 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1993-09-23 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07

MISSION VALLEY CHEVRON #94991 (Continued) **S106061019**

UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 112975 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112975
Tank Type:	DOUBLE WALL
Additional Id:	005RT3493RT3678, RT5197
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112975 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	112975
Tank Type:	DOUBLE WALL
Additional Id:	006RT3493RT3678, RT3929, RT5197
Capacity Gallons:	12000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112975 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	112975
Tank Type:	DOUBLE WALL
Additional Id:	007RT3493RT3678, RT5197
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112975 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	112975

MISSION VALLEY CHEVRON #94991 (Continued) **S106061019**

Tank Type:	DOUBLE WALL
Additional Id:	008RT3678, RT3929, RT5197
Capacity Gallons:	1000
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1993-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	112975
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FUEL FLTRS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	112975
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	112975
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	INTERSTATE BATTERY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	112975
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	MIDGRADE UNLEADED
Other Information:	UNDERGROUND TANK 112975 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	112975
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste

MISSION VALLEY CHEVRON #94991 (Continued) **S106061019**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112975
Update Date: 11/02/2012
Case Number: 107-21-1
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: USED ANITFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112975
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: OIL FLTR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112975
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 112975 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 112975
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112975 T005
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/03/2003
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV1011
Violation: TRAINING RECORDS NOT AVAILABLE
Violation Citation: Personnel training records not available. 19 CCR 2732
Activity: ACTIVE

Facility Id: 112975

MISSION VALLEY CHEVRON #94991 (Continued) **S106061019**

Update Date:	11/02/2012
Inspection Date:	07/09/2007
Violation Code:	6HV3157
Violation:	EQUIP. TAMPERING/RECORD FALSIFICATION
Violation Citation:	Monitoring system disabled or tampered with and/or monitoring records falsified. 25299(f)
Activity:	ACTIVE
Facility Id:	112975
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Facility Id:	112975
Update Date:	11/02/2012
Inspection Date:	07/01/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	112975
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Facility Id:	112975
Update Date:	11/02/2012
Inspection Date:	07/12/2006
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	112975
Update Date:	11/02/2012
Inspection Date:	07/03/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	112975

MISSION VALLEY CHEVRON #94991 (Continued) **S106061019**

Update Date: 11/02/2012
Inspection Date: 07/03/2003
Violation Code: 6HV3261
Violation: DISPENSER CONTAINMENT NOT DRY
Violation Citation: Dispenser containment not free of liquid. 2631(d)(4)
Activity: ACTIVE

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/19/2004
Violation Code: 6HV3260
Violation: DISPENSER CONT NOT ADEQ. MONITORED
Violation Citation: Dispenser containment not adequately monitored. 2636(f)(1) & (g)
Activity: ACTIVE

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/03/2003
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/09/2007
Violation Code: 6HV3258
Violation: SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation: Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity: ACTIVE

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/03/2003
Violation Code: 6HV3158
Violation: ALL OPERATING CONDITIONS NOT MET
Violation Citation: All permit operating conditions not met. 25284; 2712
Activity: ACTIVE

Facility Id: 112975
Update Date: 11/02/2012
Inspection Date: 07/28/2005
Violation Code: 6HV3160
Violation: UST SYSTEM REPAIRS NOT PROPERLY DONE
Violation Citation: UST system repair(s) not completed properly. 25292.1(c); 2660 (a)(k)(l)(m)
Activity: ACTIVE

MISSION VALLEY CHEVRON #94991 (Continued) **S106061019**

Facility Id:	112975
Update Date:	11/02/2012
Inspection Date:	07/19/2004
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Facility Id:	112975
Update Date:	11/02/2012
Inspection Date:	07/03/2003
Violation Code:	6HV3112
Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	ACTIVE

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54 **CHEVRON STATION NO 94991** **RCRA-SQG** **1000382465**
2290 CAMINO DEL RIO N **CAD982478984**
SAN DIEGO, CA 92108

RCRA-SQG:

Date form received by agency:	05/16/2002
Facility name:	CHEVRON STATION NO 94991
Facility address:	2290 CAMINO DEL RIO N SAN DIEGO, CA 921081510
EPA ID:	CAD982478984
Mailing address:	P O BOX 6004 SAN RAMON, CA 94583
Contact:	KATHY NORRIS
Contact address:	P O BOX 6004 SAN RAMON, CA 94583
Contact country:	US
Contact telephone:	(925) 842-5931
Contact email:	Not reported
EPA Region:	09
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHEVRON PRODUCTS CO
Owner/operator address:	P O BOX 6004 SAN RAMON, CA 94583
Owner/operator country:	Not reported
Owner/operator telephone:	(925) 842-5931
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

CHEVRON STATION NO 94991 (Continued) **1000382465**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 02/28/1994
Site name: CHEVRON USA PROD CO SERV STAT #94991
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/03/2003
Date achieved compliance: 08/03/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/03/2003

CHEVRON STATION NO 94991 (Continued) **1000382465**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/03/2003
Evaluation lead agency: State Contractor/Grantee

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54 **CHEVRON CAMINO DEL RIO N** **CA LUST** **S100728964**
2290 CAMINO DEL RIO N **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108 **CA EMI**

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2965
Local Case: H12975-002
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 09/23/1993
Date Stopped: 09/23/1993
Confirm Date: 09/23/1993
Submit Workplan: Not reported
Prelim Assess: 10/04/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/23/1993
Enforce Date: 10/5/93
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: MUNOCB/E
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 12975
Number: 9
Board Of Equalization: 44-022683
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012975-000001

CHEVRON CAMINO DEL RIO N (Continued) **S100728964**

Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4
Status:	Active
Comp Number:	12975
Number:	9
Board Of Equalization:	44-022683
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012975-000002
Tank Status:	A
Capacity:	9000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	12975
Number:	9
Board Of Equalization:	44-022683
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012975-000003
Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	12975
Number:	9
Board Of Equalization:	44-022683
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012975-000004
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported

CHEVRON CAMINO DEL RIO N (Continued) **S100728964**

Number Of Tanks: Not reported

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD

CHEVRON CAMINO DEL RIO N (Continued) **S100728964**

Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1606088
Reactive Organic Gases Tons/Yr:	2.1606088
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

CHEVRON CAMINO DEL RIO N (Continued) **S100728964**

Total Organic Hydrocarbon Gases Tons/Yr:	2.1606088
Reactive Organic Gases Tons/Yr:	2.1606088
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.71
Reactive Organic Gases Tons/Yr:	2.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.71
Reactive Organic Gases Tons/Yr:	2.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	4508
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.71
Reactive Organic Gases Tons/Yr:	2.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

CHEVRON CAMINO DEL RIO N (Continued) **S100728964**

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2009
County Code: 37
Air Basin: SD
Facility ID: 4508
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.71
Reactive Organic Gases Tons/Yr: 2.71
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2010
County Code: 37
Air Basin: SD
Facility ID: 4508
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.71
Reactive Organic Gases Tons/Yr: 2.71
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2011
County Code: 37
Air Basin: SD
Facility ID: 4508
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2.71
Reactive Organic Gases Tons/Yr: 2.71
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2012
County Code: 37
Air Basin: SD
Facility ID: 4508

CHEVRON CAMINO DEL RIO N (Continued) **S100728964**

Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.71
Reactive Organic Gases Tons/Yr:	2.71
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

---

54 **EDR US Hist Auto Stat** **1008997732**

2290 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	DONAGHE JIM CHEVRON SERVICE
Year:	1975
Type:	GASOLINE STATIONS
Name:	MISSION VALLEY CHEVRON
Year:	1999
Address:	2290 CAMINO DEL RIO N
Name:	MISSION VALLEY CHEVRON
Year:	2000
Address:	2290 CAMINO DEL RIO N
Name:	MISSION VALLEY CHEVRON
Year:	2002
Address:	2290 CAMINO DEL RIO N
Name:	MISSION VALLEY CHEVRON
Year:	2004
Address:	2290 CAMINO DEL RIO N
Name:	MISSION VALLEY CHEVRON
Year:	2005
Address:	2290 CAMINO DEL RIO N
Name:	CHEVRON CORP
Year:	2007
Address:	2290 CAMINO DEL RIO N
Name:	MISSION VALLEY CHEVRON
Year:	2010
Address:	2290 CAMINO DEL RIO N
Name:	MISSION VALLEY CHEVRON
Year:	2011
Address:	2290 CAMINO DEL RIO N
Name:	MISSION VALLEY CHEVRON
Year:	2012
Address:	2290 CAMINO DEL RIO N

54 **94991**
2290 CAMINO DEL RIO N
SAN DIEGO, CA 92108

CA LUST **U001572758**
CA SLIC **N/A**
CA HIST UST

LUST:

Region:	STATE
Global Id:	T0607301731
Latitude:	32.77148
Longitude:	-117.1405751
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/12/2004
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2965
LOC Case Number:	H12975-002
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301731
Status:	Completed - Case Closed
Status Date:	05/12/2004
Global Id:	T0607301731
Status:	Open - Case Begin Date
Status Date:	09/23/1993

Regulatory Activities:

Global Id:	T0607301731
Action Type:	Other
Date:	09/23/1993
Action:	Leak Began
Global Id:	T0607301731
Action Type:	Other
Date:	09/23/1993
Action:	Leak Discovery
Global Id:	T0607301731
Action Type:	Other
Date:	09/23/1993
Action:	Leak Stopped
Global Id:	T0607301731
Action Type:	ENFORCEMENT
Date:	10/05/1993
Action:	Notice of Responsibility
Global Id:	T0607301731
Action Type:	Other
Date:	09/23/1993
Action:	Leak Reported

94991 (Continued) **U001572758**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/04/1993
Global Id:	T0608150179
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12975-001
Latitude:	32.771553
Longitude:	-117.140884
Case Type:	Cleanup Program Site
Case Worker:	SW
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000062699
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	FAYMAN,MARK M
Telephone:	6192991930
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1965
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1965
Tank Capacity:	00009000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1965
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported

94991 (Continued) **U001572758**

Container Construction Thickness:	0000170
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1965
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	0000100
Leak Detection:	Stock Inventor

---

54 **MISSION VALLEY CHEVRON** **CA HAZNET** **S113107028**
2290 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113107028
Year:	2013
GEPAID:	CAL000211598
Contact:	SAAD ATTISHA
Telephone:	6193009201
Mailing Name:	Not reported
Mailing Address:	2290 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921081510
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1251
Facility County:	Not reported
envid:	S113107028
Year:	2011
GEPAID:	CAL000211598
Contact:	SAAD ATTISHA
Telephone:	6193009201
Mailing Name:	Not reported
Mailing Address:	2290 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921081510
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.663
Facility County:	San Diego
envid:	S113107028
Year:	2011
GEPAID:	CAL000211598
Contact:	SAAD ATTISHA
Telephone:	6193009201
Mailing Name:	Not reported
Mailing Address:	2290 CAMINO DEL RIO N

MISSION VALLEY CHEVRON (Continued) **S113107028**

Mailing City,St,Zip: SAN DIEGO, CA 921081510
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Facility County: San Diego

envid: S113107028
Year: 2010
GEPAID: CAL000211598
Contact: SAAD ATTISHA
Telephone: 6193009201
Mailing Name: Not reported
Mailing Address: 2290 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921081510
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.10425
Facility County: San Diego

envid: S113107028
Year: 2010
GEPAID: CAL000211598
Contact: SAAD ATTISHA
Telephone: 6193009201
Mailing Name: Not reported
Mailing Address: 2290 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921081510
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.102
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

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54 **CHEVRON 94991** **CA HAZNET** **S113016572**
2290 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113016572
Year: 2012
GEPAID: CAD982478984
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported

CHEVRON 94991 (Continued) **S113016572**

Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17
Facility County: San Diego

envid: S113016572
Year: 2012
GEPAID: CAD982478984
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.17
Facility County: San Diego

envid: S113016572
Year: 2012
GEPAID: CAD982478984
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: San Diego
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.05
Facility County: San Diego

envid: S113016572
Year: 2012
GEPAID: CAD982478984
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: San Diego
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Not reported

CHEVRON 94991 (Continued) **S113016572**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.05
Facility County: San Diego

envid: S113016572
Year: 2010
GEPAID: CAD982478984
Contact: KATHY NORRIS-SLUSHER
Telephone: 8773866044
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 2.142
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
31 additional CA_HAZNET: record(s) in the EDR Site Report.

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54 **MISSION VY CHEVRON #94991** **CA UST** **U003940553**
2290 CAMINO DEL RIO N **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

UST:
Facility ID: H12975
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.7728832
Longitude: -117.1395082

SAN DIEGO CO. SAM:
Case Number: H12975-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/4/1993
Date Began: 9/16/1993

Case Number: H12975-002
Agency: DEH Site Assessment & Mitigation
Funding: **POP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/12/2004
Date Began: 9/23/1993

54 **FREEMAN MARK CHEVRON SERV** — **EDR US Hist Auto Stat** — **1008998400** / **N/A**
2290 CAMINO ZARA
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: FREEMAN MARK CHEVRON SERV
Year: 1980
Type: GASOLINE STATIONS

---

54 **FAYMAN MARK CHEVRON SERV** — **EDR US Hist Auto Stat** — **1008998607** / **N/A**
2290 CAMINO ZARA DEL RIO N
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: FAYMAN MARK CHEVRON SERV
Year: 1984
Type: GASOLINE STATIONS

---

54 **MISSION VALLEY CHEVRON** — **CA HIST CORTESE** — **S104747598** / **N/A**
2290 CAMINO DEL RIO
SAN DEIGO, CA 92108

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2965

---

54 **EFFICARE HEALTH SERVICES** — **CA San Diego Co. HMMD** — **S106068382** / **N/A**
2515 CAMINO DEL RIO
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 153494
Business Type: 6HK10
EPA Id Number: Not reported
APN: DEH-153494
Last HMMD Inspection: 08/22/1997
Permit Status: INAC
Permit Expiration: 06/30/1998
Facility Owner: ARACELI ABUTIN
Facility Address: 2515 CAMINO DEL RIO SOUTH 236
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

54 **DR. FARAGALLAH CHIROPRACTIC OF** **CA San Diego Co. HMMD** **S106060169**
2515 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102622
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	DEH-102622
Last HMMD Inspection:	08/22/2001
Permit Status:	INAC
Permit Expiration:	01/31/2003
Facility Owner:	SAMINR FARAGALLER, D.C.
Facility Address:	P.O. BOX 420514
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92142-054
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

54 **STANDARD STATIONS INC** **EDR US Hist Auto Stat** **1009000285**
2290 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	STANDARD STATIONS INC
Year:	1970
Type:	GASOLINE STATIONS

---

54 **R A SNYDER PROPERTIES** **FTTS** **1005848356**
2399 CAMINO DEL RIO **HIST FTTS** **N/A**
SAN DIEGO, CA 92108

FTTS INSP:

Inspection Number:	2001082819360 2
Region:	09
Inspection Date:	08/28/01
Inspector:	H BURKE
Violation occurred:	Yes
Investigation Type:	Lead, Section 1018, Federal
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	TSCA
Facility Function:	Real Estate/Broker Facility

HIST FTTS INSP:

Inspection Number:	2001082819360 2
Region:	09
Inspection Date:	Not reported
Inspector:	H BURKE
Violation occurred:	Yes
Investigation Type:	Lead, Section 1018, Federal
Investigation Reason:	Neutral Scheme, Region

R A SNYDER PROPERTIES (Continued) **1005848356**

Legislation Code: TSCA
Facility Function: Real Estate/Broker Facility

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54 **ERNS** **2006819784**

2667 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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54 **CA CHMIRS** **S109037909**

2667 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	06-7126
OES notification:	12/02/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported

(Continued) **S109037909**

Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	San Diego Gas and Elect
Incident Date:	12/2/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Transformer oil
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Bottom of the transformer was rusted out. When they removed the transformer they spilled the oil. The mineral oil leaked on to soil only, no storm drain involved.

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54 **CA CHMIRS** **S105670056**

2600 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	01-7165
OES notification:	12/11/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported

(Continued) **S105670056**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	City of San Diego Waste Water Collection
Incident Date:	12/11/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage;;;
Gallons:	30
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Blockage occurred on private sewage lateral. Note: 20 of the 30 gallons where recovered.

54 **OUTLOOK PROPERTIES, INC.** **CA HAZNET** **S117281738**
2655 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117281738
Year:	2013
GEPAID:	CAC002715264
Contact:	DORINDA PARSONS
Telephone:	6196865529
Mailing Name:	Not reported
Mailing Address:	2655 CAMINO DEL RIO N STE 320
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	9.5
Facility County:	Not reported

---

54 **DR BRIAN DALY & DR ERIK STALDER** **CA HAZNET** **S117310838**
2655 CAMINO DEL RIO N STE 140,150 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117310838
Year:	2013
GEPAID:	CAL000379562
Contact:	JAYNE BINNS
Telephone:	6192827088
Mailing Name:	Not reported
Mailing Address:	2655 CAMINO DEL RIO N STE 140,150
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0495
Facility County:	Not reported

---

54 **FAMILY PRACTICE ASSO INC** **CA HAZNET** **S113078437**
2655 CAMINO DEL RIO NORTH #150 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113078437
Year:	1997
GEPAID:	CAL000143059
Contact:	FAMILY PRACTICE ASSCOS OF SAN
Telephone:	6196929915
Mailing Name:	Not reported
Mailing Address:	2878 CAMINO DEL RIO S STE 301
Mailing City,St,Zip:	SAN DIEGO, CA 921083846
Gen County:	Not reported
TSD EPA ID:	CAD981402522

FAMILY PRACTICE ASSO INC (Continued) **S113078437**

TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0208
Facility County: San Diego

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54 **SHARP REES STEALY CORPORATION** **CA San Diego Co. HMMD** **S106068408**
2655 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 153532
Business Type: 6HK10
EPA Id Number: CAL000143059
APN: DEH-153532
Last HMMD Inspection: 07/15/1998
Permit Status: INAC
Permit Expiration: 12/31/1999
Facility Owner: SHARP REES STEALY CORPORATION
Facility Address: 2001 04TH AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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54 **MISSION SPECIALTY MGMT** **CA HAZNET** **S113148759**
2655 CAMINO DEL RIO DR STE 150-140 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113148759
Year: 2012
GEPAID: CAL000322617
Contact: JOHN WEISENSEEL
Telephone: 6192827088
Mailing Name: Not reported
Mailing Address: 2655 CAMINO DEL RIO DR STE 150-140
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0495
Facility County: San Diego

envid: S113148759
Year: 2011
GEPAID: CAL000322617
Contact: JOHN WEISENSEEL

MISSION SPECIALTY MGMT (Continued) **S113148759**

Telephone: 6192827088
Mailing Name: Not reported
Mailing Address: 2655 CAMINO DEL RIO DR STE 150-140
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.0495
Facility County: San Diego

envid: S113148759
Year: 2010
GEPAID: CAL000322617
Contact: JOHN WEISENSEEL
Telephone: 6192827088
Mailing Name: Not reported
Mailing Address: 2655 CAMINO DEL RIO DR STE 150-140
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.066
Facility County: San Diego

envid: S113148759
Year: 2010
GEPAID: CAL000322617
Contact: JOHN WEISENSEEL
Telephone: 6192827088
Mailing Name: Not reported
Mailing Address: 2655 CAMINO DEL RIO DR STE 150-140
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.018
Facility County: San Diego

envid: S113148759
Year: 2009
GEPAID: CAL000322617
Contact: JOHN WEISENSEEL
Telephone: 6192827088
Mailing Name: Not reported
Mailing Address: 2655 CAMINO DEL RIO DR STE 150-140
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site

MISSION SPECIALTY MGMT (Continued) **S113148759**

Tons: 0.0495
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

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54 **MISSION SPECIALTY MANAGEMENT** **CA San Diego Co. HMMD** **S109279553**
2655 N CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 207325
Business Type: 6HK10
EPA Id Number: CAL000322617
APN: 438-052-13-00
Last HMMD Inspection: 09/22/2010
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: MISSION SPECIALTY MANAGEMENT
Facility Address: 2655 CAMINO DEL RIO NORTH #150
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 207325
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: FORMALIN-HARVY VAPO-STERILE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207325
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207325
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

MISSION SPECIALTY MANAGEMENT (Continued) **S109279553**

Violations Active Permits:

Facility Id:	207325
Update Date:	11/02/2012
Inspection Date:	09/22/2010
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE

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54 **ATHLETIC ORTHOPEDIC INSTITUTE** **CA HAZNET** **S113048081**
2650 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113048081
Year:	1994
GEPAID:	CAL000068615
Contact:	HARRIS THOMAS WILLIAM MD
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3444 KEARNY VILLA RD STE 202
Mailing City,St,Zip:	SAN DIEGO, CA 921230000
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	.0025
Facility County:	San Diego

envid:	S113048081
Year:	1994
GEPAID:	CAL000068615
Contact:	HARRIS THOMAS WILLIAM MD
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3444 KEARNY VILLA RD STE 202
Mailing City,St,Zip:	SAN DIEGO, CA 921230000
Gen County:	Not reported
TSD EPA ID:	CAL920973155
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0625
Facility County:	San Diego

envid:	S113048081
Year:	1993
GEPAID:	CAL000068615
Contact:	HARRIS THOMAS WILLIAM MD
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3444 KEARNY VILLA RD STE 202
Mailing City,St,Zip:	SAN DIEGO, CA 921230000
Gen County:	Not reported

ATHLETIC ORTHOPEDIC INSTITUTE (Continued) **S113048081**

TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler
Tons: 0
Facility County: San Diego

envid: S113048081
Year: 1993
GEPAID: CAL000068615
Contact: HARRIS THOMAS WILLIAM MD
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 3444 KEARNY VILLA RD STE 202
Mailing City,St,Zip: SAN DIEGO, CA 921230000
Gen County: Not reported
TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Not reported
Tons: 4.00000000000
Facility County: San Diego

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54 **MISSION VALLEY DENTAL** **CA HAZNET** **S113117944**
2650 N CAMINO DEL RIO STE 102 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113117944
Year: 2006
GEPAID: CAL000245086
Contact: DR JAMES KASSNER
Telephone: 6192980848
Mailing Name: Not reported
Mailing Address: 2650 N CAMINO DEL RIO STE 102
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAL000175030
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02
Facility County: San Diego

envid: S113117944
Year: 2006
GEPAID: CAL000245086
Contact: DR JAMES KASSNER
Telephone: 6192980848
Mailing Name: Not reported
Mailing Address: 2650 N CAMINO DEL RIO STE 102
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAL000175030
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported

MISSION VALLEY DENTAL (Continued) **S113117944**

Tons: 0.01
Facility County: San Diego

envid: S113117944
Year: 2005
GEPAID: CAL000245086
Contact: DR JAMES KASSNER
Telephone: 6192980848
Mailing Name: Not reported
Mailing Address: 2650 N CAMINO DEL RIO STE 102
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAL000175030
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0
Facility County: San Diego

envid: S113117944
Year: 2003
GEPAID: CAL000245086
Contact: DR JAMES KASSNER
Telephone: 6192980848
Mailing Name: Not reported
Mailing Address: 2650 N CAMINO DEL RIO STE 102
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAL000212588
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Tons: 0
Facility County: San Diego

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54 **SMILE SAN DIEGO** **CA San Diego Co. HMMD** **S106069073**
2650 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 211864
Business Type: 6HK10
EPA Id Number: Not reported
APN: DEH-154450
Last HMMD Inspection: 03/02/2010
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: JOSEPH R WISNIESKI DDS
Facility Address: 2650 CAMINO DEL RIO N #102
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported

SMILE SAN DIEGO (Continued) **S106069073**

Generate Medical Waste: Y

Inactive Permits:

Facility Id: 211864
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: SILVER RECOVERY UNIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211864
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211864
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211864
Update Date: 11/02/2012
Case Number: 64-17-5
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: ETHANOL WASTE FLAMMABLE LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210996
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-052-15-00
Last HMMD Inspection: 07/09/2009
Permit Status: EXPR
Permit Expiration: 10/31/2012
Facility Owner: PACIFICA HEALTH & MEDICAL
Facility Address: 2650 CAMINO DEL RIO N #212
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported

SMILE SAN DIEGO (Continued) **S106069073**

Generate Medical Waste: Y

Inactive Permits:

Facility Id: 210996
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210996
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 154450
Business Type: 6HK10
EPA Id Number: CAL000175030
APN: DEH-154450
Last HMMD Inspection: 02/14/2007
Permit Status: CHNG
Permit Expiration: 07/31/2010
Facility Owner: FAMILY DENTAL GROUP APC
Facility Address: 2650 CAMINO DEL RIO N 102
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 211864
Business Type: 6HK10
EPA Id Number: Not reported
APN: DEH-154450
Last HMMD Inspection: 03/02/2010
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: JOSEPH R WISNIESKI DDS
Facility Address: 2650 CAMINO DEL RIO N #102
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported

SMILE SAN DIEGO (Continued) **S106069073**

Generate Haz Waste: N
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 211864
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: SILVER RECOVERY UNIT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211864
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211864
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211864
Update Date: 11/02/2012
Case Number: 64-17-5
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: ETHANOL WASTE FLAMMABLE LIQUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Click this hyperlink while viewing on your computer to access
1 additional CA_HMMD: record(s) in the EDR Site Report.

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54 **ATHLETIC ORTHOPEDIC INSTITUTE** **CA San Diego Co. HMMD** **S106067232**
2650 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 209323
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-052-15-00
Last HMMD Inspection: 05/09/2008
Permit Status: INAC
Permit Expiration: 10/31/2011
Facility Owner: JEANNETTE L JEFFERY

ATHLETIC ORTHOPEDIC INSTITUTE (Continued) **S106067232**

Facility Address:	2650 CAMINO DEL RIO N #302
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	209323
Update Date:	11/02/2012
Inspection Date:	05/09/2008
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	Inactive Permit

Facility Id:	209323
Update Date:	11/02/2012
Inspection Date:	05/09/2008
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	Inactive Permit

Facility Id:	209323
Update Date:	11/02/2012
Inspection Date:	05/09/2008
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit

Facility Id:	215708
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-052-15-00
Last HMMD Inspection:	11/04/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	FAITH NATHON (ADMIN)
Facility Address:	2650 CAMINO DEL RIO NORTH #301
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

ATHLETIC ORTHOPEDIC INSTITUTE (Continued) **S106067232**

Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 215708
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 215708
Update Date: 11/02/2012
Inspection Date: 11/04/2011
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

Facility Id: 215708
Update Date: 11/02/2012
Inspection Date: 11/04/2011
Violation Code: 6HV4304
Violation: LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation: Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity: ACTIVE

Facility Id: 151697
Business Type: 6HK10
EPA Id Number: CAL000068615
APN: 438-052-15-00
Last HMMD Inspection: 05/11/1995
Permit Status: INAC
Permit Expiration: 01/31/1998
Facility Owner: THOMAS W HARRIS M.D.
Facility Address: 2650 CAMINO DEL RIO N #205
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-1621
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

54 **PACIFIC SOUTHWEST REHAB** **CA San Diego Co. HMMD** **S106068513**
2650 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153671
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-052-15-00
Last HMMD Inspection:	10/03/1996
Permit Status:	INAC
Permit Expiration:	10/03/1996
Facility Owner:	PACIFIC SOUTHWEST REHAB
Facility Address:	8100 PARKWAY DR NE 190
Facility City:	VANCOUVER
Facility State:	WA
Facility Zip:	89110-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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54 **GOLD CHIROPRACTIC** **CA San Diego Co. HMMD** **S106060082**
2831 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102427
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	DEH-102427
Last HMMD Inspection:	02/09/2006
Permit Status:	INAC
Permit Expiration:	11/30/2006
Facility Owner:	NANCY B. GOLD, D.C
Facility Address:	2831 CAMINO DEL RIO S #209
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	207070
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	DEH-102427
Last HMMD Inspection:	04/05/2006
Permit Status:	EXPR
Permit Expiration:	10/31/2012
Facility Owner:	JASON MORRISON
Facility Address:	2831 CAMINO DEL RIO S #209
Facility City:	SAN DIEGO

GOLD CHIROPRACTIC (Continued) **S106060082**

Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207070
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	HAULER: INTEGRITY IMAGING SOLUTIONS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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54 **VANTILE PARCELS** **CA SLIC** **S110770332**
0 QUALCOMM WAY **N/A**
SAN DIEGO, CA 92108

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/05/2011
Global Id:	T10000002818
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H39763-001
Latitude:	32.7729141777335
Longitude:	-117.138912677765
Case Type:	Cleanup Program Site
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	For Closure Summary, please refer to the "Regulatory Activities" tab.

Click here to access the California GeoTracker records for this facility:

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55 **EDR US Hist Auto Stat** **1015226708**
1428 MINDEN DR **N/A**
SAN DIEGO, CA 92111

EDR Historical Auto Stations:

Name:	THE MANHATTAN GASLAMP
Year:	2005
Address:	1428 MINDEN DR

Name:	THE MANHATTAN GASLAMP
Year:	2006
Address:	1428 MINDEN DR

56 **SAN DIEGO APARTMENTS.COM** **FTTS** **1007261757**
2878 CAMINO DEL RIO S **HIST FTTS** **N/A**
SAN DIEGO, CA 92103

FTTS INSP:

Inspection Number:	200312039ST15 2
Region:	09
Inspection Date:	12/03/03
Inspector:	C. MARTIN, N. OIEN
Violation occurred:	No
Investigation Type:	Lead, Section 1018, SEE
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	TSCA
Facility Function:	Landlord/Renter Facility

HIST FTTS INSP:

Inspection Number:	200312039ST15 2
Region:	09
Inspection Date:	Not reported
Inspector:	C. MARTIN, N. OIEN
Violation occurred:	No
Investigation Type:	Lead, Section 1018, SEE
Investigation Reason:	Neutral Scheme, Region
Legislation Code:	TSCA
Facility Function:	Landlord/Renter Facility

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56 **MISSION VALLEY ORAL/MAXILLOFAC** **CA San Diego Co. HMMD** **S106068827**
2878 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154081
Business Type:	6HK10
EPA Id Number:	CAL000083979
APN:	438-210-29-00
Last HMMD Inspection:	05/15/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	MISSION VALLEY ORAL/MAXILLOFACIAL INC
Facility Address:	2878 CAMINO DEL RIO S #210
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	154081
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYSER
Material Waste:	Waste

MISSION VALLEY ORAL/MAXILLOFAC (Continued) **S106068827**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 154081
Update Date: 11/02/2012
Inspection Date: 02/23/2009
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 154081
Business Type: 6HK10
EPA Id Number: CAL000083979
APN: 438-210-29-00
Last HMMD Inspection: 05/15/2012
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: MISSION VALLEY ORAL/MAXILLOFACIAL INC
Facility Address: 2878 CAMINO DEL RIO S #210
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 154081
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: ISOLYSER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 154081
Update Date: 11/02/2012
Inspection Date: 02/23/2009
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

56 **MAXIM HEALTH CARE SERVICES** **CA San Diego Co. HMMD** **S106069233**
2878 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154685
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-210-29-00
Last HMMD Inspection:	10/22/2003
Permit Status:	INAC
Permit Expiration:	04/30/2007
Facility Owner:	MAXIM HEALTH CARE SERVICES
Facility Address:	2878 CAMINO DEL RIO S #220
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	154685
Update Date:	11/02/2012
Inspection Date:	10/22/2003
Violation Code:	6HV4203
Violation:	MED WASTE STORAGE NOT SECURED
Violation Citation:	Generator has not secured the enclosure or designated accumulation area for medical waste containers so as to deny access to unauthorized persons. 118307, 118310
Activity:	Inactive Permit

Facility Id:	154685
Update Date:	11/02/2012
Inspection Date:	10/22/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	Inactive Permit

Facility Id:	154685
Update Date:	11/02/2012
Inspection Date:	10/22/2003
Violation Code:	6HV4304
Violation:	LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation:	Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity:	Inactive Permit

Facility Id:	154685
Update Date:	11/02/2012
Inspection Date:	10/22/2003
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED

MAXIM HEALTH CARE SERVICES (Continued) **S106069233**

Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	Inactive Permit
Facility Id:	154685
Update Date:	11/02/2012
Inspection Date:	10/22/2003
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit
Facility Id:	154685
Update Date:	11/02/2012
Inspection Date:	10/22/2003
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	Inactive Permit

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56 **MISSION VALLEY ORAL & MAXILLOFACIAL** **CA HAZNET** **S113054228**
2878 CAMINO DEL RIO SO # 210 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113054228
Year:	1997
GEPAID:	CAL000083979
Contact:	MISSION VALLEY ORAL & MAXILLOF
Telephone:	6192982200
Mailing Name:	Not reported
Mailing Address:	2878 CAMINO DEL RIO S STE 210
Mailing City,St,Zip:	SAN DIEGO, CA 921083845
Gen County:	Not reported
TSD EPA ID:	CAD982049306
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	.0000
Facility County:	San Diego
envid:	S113054228
Year:	1997
GEPAID:	CAL000083979
Contact:	MISSION VALLEY ORAL & MAXILLOF
Telephone:	6192982200
Mailing Name:	Not reported
Mailing Address:	2878 CAMINO DEL RIO S STE 210
Mailing City,St,Zip:	SAN DIEGO, CA 921083845
Gen County:	Not reported
TSD EPA ID:	CAD982049306
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler

MISSION VALLEY ORAL & MAXILLOFACIAL (Continued) **S113054228**

Tons: .0333
Facility County: San Diego

envid: S113054228
Year: 1996
GEPAID: CAL000083979
Contact: MISSION VALLEY ORAL & MAXILLOF
Telephone: 6192982200
Mailing Name: Not reported
Mailing Address: 2878 CAMINO DEL RIO S STE 210
Mailing City,St,Zip: SAN DIEGO, CA 921083845
Gen County: Not reported
TSD EPA ID: CAD982049306
TSD County: Not reported
Waste Category: Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method: Recycler
Tons: .0125
Facility County: San Diego

envid: S113054228
Year: 1996
GEPAID: CAL000083979
Contact: MISSION VALLEY ORAL & MAXILLOF
Telephone: 6192982200
Mailing Name: Not reported
Mailing Address: 2878 CAMINO DEL RIO S STE 210
Mailing City,St,Zip: SAN DIEGO, CA 921083845
Gen County: Not reported
TSD EPA ID: CAD982049306
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0125
Facility County: San Diego

envid: S113054228
Year: 1995
GEPAID: CAL000083979
Contact: MISSION VALLEY ORAL & MAXILLOF
Telephone: 6192982200
Mailing Name: Not reported
Mailing Address: 2878 CAMINO DEL RIO S STE 210
Mailing City,St,Zip: SAN DIEGO, CA 921083845
Gen County: Not reported
TSD EPA ID: CAL920973155
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0499
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

56 **CAMINO DEL RIO MAINT. FACILITY** **CA WDS** **S105558041**
2915 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

WDS:

Facility ID:	San Diego 000000995
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000003 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	9
Facility Telephone:	Not reported
Facility Contact:	ERIC PENNY
Agency Name:	CALTRANS DISTRICT 11
Agency Address:	2829 JUAN STREET PO BOX 85406
Agency City,St,Zip:	SAN DIEGO 922865406
Agency Contact:	CORY BINNS
Agency Telephone:	6196883626
Agency Type:	State
SIC Code:	1611
SIC Code 2:	Not reported
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste:	STORMS
Waste Type2:	Not reported
Waste2:	Stormwater Runoff
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

57 **SIUMAN FAN, D.D.S.**
2221 CAMINO DEL RIO
SAN DIEGO, CA 92108

CA San Diego Co. HMMD **S110498461**
N/A

SAN DIEGO CO. HMMD:

Facility Id:	212793
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-140-36-02
Last HMMD Inspection:	10/06/2010
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	BYUNG SUN YOO DDS, INC
Facility Address:	2221 CAMINO DEL RIO S #102
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92101
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	212793
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS WASTE ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211370
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-140-36-06
Last HMMD Inspection:	05/25/2010
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	SIUMAN FAN, D.D.S.
Facility Address:	2221 CAMINO DEL RIO S #208,
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	211370
Update Date:	11/02/2012
Case Number:	Not reported

SIUMAN FAN, D.D.S. (Continued) **S110498461**

Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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57 **MISSION VALLEY CHIROPRACTIC** **CA CHMIRS** **S105658822**
5005 TEXAS ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	99-5080
OES notification:	12/01/1999
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	SD City Wastewater
Incident Date:	11/30/199912:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes

MISSION VALLEY CHIROPRACTIC (Continued) **S105658822**

Site Type:	Road
E Date:	Not reported
Substance:	Raw Sewage
Gallons:	872
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Line blockage of a Main. All cleaned up.

SAN DIEGO CO. HMMD:

Facility Id:	204621
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-320-14-00
Last HMMD Inspection:	02/28/2006
Permit Status:	INAC
Permit Expiration:	04/30/2006
Facility Owner:	MICHAEL HSU
Facility Address:	5005 TEXAS ST, #303
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **MISSION VALLEY CHIROPRACTIC** **CA San Diego Co. HMMD** **S106072342**
5005 TEXAS ST **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	202410
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-320-14-00
Last HMMD Inspection:	05/09/2002
Permit Status:	CHNG
Permit Expiration:	11/30/2004
Facility Owner:	JONI L'ABBE
Facility Address:	5005 TEXAS ST, #303

MISSION VALLEY CHIROPRACTIC (Continued) **S106072342**

Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **ALTA VISTA PARK LF KELLOG PAUL H** **CA HAZNET** **S112964692**
2423 CAMINO DEL RIO S STE 102 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112964692
Year:	2007
GEPAID:	CAC002621755
Contact:	STAN SMITH
Telephone:	6192918780
Mailing Name:	Not reported
Mailing Address:	2423 CAMINO DEL RIO S STE 202
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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57 **BEIJING ACUPUNCTURE CLINIC** **CA San Diego Co. HMMD** **S106068978**
2333 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154310
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-140-30-00
Last HMMD Inspection:	08/18/1998
Permit Status:	INAC
Permit Expiration:	10/31/2000
Facility Owner:	NATHAN TENG
Facility Address:	2333 S CAMINO DEL RIO 100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported

BEIJING ACUPUNCTURE CLINIC (Continued) **S106068978**

Generate Medical Waste: Not reported

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57 **MISSION VALLEY DENTAL ARTS** **CA San Diego Co. HMMD** **S106065354**
2333 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	137667
Business Type:	6HK15
EPA Id Number:	CAL000140125
APN:	438-140-30-00
Last HMMD Inspection:	02/16/2006
Permit Status:	OPEN
Permit Expiration:	01/31/2013
Facility Owner:	R A MCPHERSON PROF CHIRO CORP
Facility Address:	2333 CAMINO DEL RIO S #230
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	137667
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	HAULER: FIXER TREATMENT SYSTEMS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	209903
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-140-30-00
Last HMMD Inspection:	05/15/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	ELMIRA KHODAPANAH DDS
Facility Address:	2333 CAMINO DEL RIO S #140
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

MISSION VALLEY DENTAL ARTS (Continued) **S106065354**

Inactive Permits:

Facility Id:	209903
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	AUTOCLAVED ON-SITE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	209903
Update Date:	11/02/2012
Inspection Date:	11/14/2008
Violation Code:	6HV4254
Violation:	THERMOM: NO CALIBRATION RECORDS -3YRS
Violation Citation:	Generator did not maintain records of annual thermometer calibration checks onsite for at least the past 3 years. 118215(2)(B)
Activity:	ACTIVE

Facility Id:	209903
Update Date:	11/02/2012
Inspection Date:	11/14/2008
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	209903
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-140-30-00
Last HMMD Inspection:	05/15/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	ELMIRA KHODAPANAH DDS
Facility Address:	2333 CAMINO DEL RIO S #140
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	209903
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	AUTOCLAVED ON-SITE
Material Waste:	Waste

MISSION VALLEY DENTAL ARTS (Continued) **S106065354**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 209903
Update Date: 11/02/2012
Inspection Date: 11/14/2008
Violation Code: 6HV4254
Violation: THERMOM: NO CALIBRATION RECORDS -3YRS
Violation Citation: Generator did not maintain records of annual thermometer calibration checks onsite for at least the past 3 years. 118215(2)(B)
Activity: ACTIVE

Facility Id: 209903
Update Date: 11/02/2012
Inspection Date: 11/14/2008
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: ACTIVE

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57 **GRAHAM SIMPSON DDS** **CA San Diego Co. HMMD** **S106068903**
2333 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 154198
Business Type: 6HK10
EPA Id Number: CAL000181567
APN: 438-140-30-00
Last HMMD Inspection: 04/08/2010
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: GRAHAM SIMPSON DDS
Facility Address: 2333 CAMINO DEL RIO S #310
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 154198
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

GRAHAM SIMPSON DDS (Continued) **S106068903**

Violations Active Permits:
- Facility Id: 154198
- Update Date: 11/02/2012
- Inspection Date: 03/06/2007
- Violation Code: 6HV4205
- Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
- Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
- Activity: ACTIVE

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57 **CHIROPRACTIC SPORTS AND INJURY CENTER** **CA HAZNET** **S113076630**
2333 CAMINO DEL RIO SOUTH STE 230 **N/A**
SAN DIEGO, CA 92108

HAZNET:
- envid: S113076630
- Year: 2000
- GEPAID: CAL000140125
- Contact: ROBERT MCPHERSON-OWNER
- Telephone: 6192962225
- Mailing Name: Not reported
- Mailing Address: 2333 CAMINO DEL RIO SOUTH STE 230
- Mailing City,St,Zip: SAN DIEGO, CA 921080000
- Gen County: Not reported
- TSD EPA ID: CAT080013352
- TSD County: Not reported
- Waste Category: Oil/water separation sludge
- Disposal Method: Recycler
- Tons: 2.08
- Facility County: San Diego

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57 **DR GRAHAM SIMPSON DDS** **CA HAZNET** **S113096267**
2333 CAMINO DEL RIO S STE 310 **N/A**
SAN DIEGO, CA 92108

HAZNET:
- envid: S113096267
- Year: 1998
- GEPAID: CAL000181567
- Contact: DR GRAHAM SIMPSON
- Telephone: 6192918827
- Mailing Name: Not reported
- Mailing Address: 2333 CAMINO DEL RIO S STE 310
- Mailing City,St,Zip: SAN DIEGO, CA 921080000
- Gen County: Not reported
- TSD EPA ID: CAT000613976
- TSD County: Not reported
- Waste Category: Photochemicals/photoprocessing waste
- Disposal Method: Transfer Station
- Tons: .0625
- Facility County: San Diego

57 **THOMAS L RODERICK DDS** **CA San Diego Co. HMMD** **S106067478**
2333 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	152114
Business Type:	6HK12
EPA Id Number:	CAL000172125
APN:	438-140-30-00
Last HMMD Inspection:	04/15/2008
Permit Status:	CHNG
Permit Expiration:	11/30/2008
Facility Owner:	THOMAS L RODERICK DDS
Facility Address:	2333 CAMINO DEL RIO S #140
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3607
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **INSTITUTE FOR EFFECTIVE EDUCATION** **CA HAZNET** **S112891815**
2255 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92129

HAZNET:

envid:	S112891815
Year:	2010
GEPAID:	CAC002657691
Contact:	MARY COHEN
Telephone:	6192431390
Mailing Name:	Not reported
Mailing Address:	2255 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083605
Gen County:	Not reported
TSD EPA ID:	CAD982042475
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

envid:	S112891815
Year:	2000
GEPAID:	CAC001440256
Contact:	KEN TROUTMAN
Telephone:	6195213990
Mailing Name:	Not reported
Mailing Address:	248 NUTMEG ST
Mailing City,St,Zip:	SAN DIEGO, CA 921030000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill

INSTITUTE FOR EFFECTIVE EDUCATION (Continued) **S112891815**

Tons: 33.71
Facility County: San Diego

envid: S112891815
Year: 2000
GEPAID: CAC001440256
Contact: KEN TROUTMAN
Telephone: 6195213990
Mailing Name: Not reported
Mailing Address: 248 NUTMEG ST
Mailing City,St,Zip: SAN DIEGO, CA 921030000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.03
Facility County: San Diego

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57 **PSYCHIATRIC HEALTH SYSTEMS** **CA San Diego Co. HMMD** **S106068756**
2535 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 203419
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-190-07-00
Last HMMD Inspection: 04/08/2010
Permit Status: INAC
Permit Expiration: 09/30/2011
Facility Owner: AMERICAN HEALTH SERVICES OF SD, INC
Facility Address: 2535 CAMINO DEL RIO S, STE 112
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-3755
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 203419
Update Date: 11/02/2012
Inspection Date: 04/08/2010
Violation Code: 6HV4304
Violation: LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation: Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity: Inactive Permit

Facility Id: 203419
Update Date: 11/02/2012
Inspection Date: 04/08/2010

PSYCHIATRIC HEALTH SYSTEMS (Continued) **S106068756**

Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	Inactive Permit
Facility Id:	203419
Update Date:	11/02/2012
Inspection Date:	04/08/2010
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit
Facility Id:	216134
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-07-00
Last HMMD Inspection:	03/26/2012
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	AMERICAN HEALTH SERVICES OF SD, LP
Facility Address:	2535 CAMINO DEL RIO S, STE 112
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3755
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	216134
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	153991
Business Type:	6HK12
EPA Id Number:	Not reported
APN:	438-190-07-00
Last HMMD Inspection:	02/02/1999
Permit Status:	INAC
Permit Expiration:	03/31/1999
Facility Owner:	MICHAEL T. LARDON, M.D.
Facility Address:	2535 S CAMINO DEL RIO S.
Facility City:	SAN DIEGO
Facility State:	CA

PSYCHIATRIC HEALTH SYSTEMS (Continued) **S106068756**

Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **PSYCHIATRIC HEALTHY SYSTEMS** **CA San Diego Co. HMMD** **S106069281**
2535 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154750
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-07-00
Last HMMD Inspection:	04/21/2003
Permit Status:	CHNG
Permit Expiration:	12/31/2002
Facility Owner:	TOM TUDDY
Facility Address:	2535 CAMINO DEL RIOS S #150
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **MILLER FAMILY CHIROPRACTIC CTR** **CA San Diego Co. HMMD** **S106061818**
2635 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	121127
Business Type:	6HK18
EPA Id Number:	CAL000138939
APN:	DEH-121127
Last HMMD Inspection:	03/01/2000
Permit Status:	INAC
Permit Expiration:	03/01/2000
Facility Owner:	GARY MILLER
Facility Address:	2333 CAMINO DEL RIO S #230
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3600
UST Owner:	NORWICH/VAN RAAPHORST
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

MILLER FAMILY CHIROPRACTIC CTR (Continued) **S106061818**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 121127 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121127
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 6000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 121127 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 121127
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 6000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 121127 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 121127
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 121127 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 121127

MILLER FAMILY CHIROPRACTIC CTR (Continued) **S106061818**

Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	300
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121127 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121127
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	300
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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57 **AMERICAN HEALTH SERVICES OF SD, INC** **CA San Diego Co. HMMD** **S106071875**
2535 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201902
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-07-00
Last HMMD Inspection:	10/22/2003
Permit Status:	INAC
Permit Expiration:	10/31/2003
Facility Owner:	AMERICAN HEALTH SERVICES OF SD, INC
Facility Address:	2535 CAMINO DEL RIOS S #150
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **NORWICH/VAN RAAPHORST AT0003** **CA SWEEPS UST** **S106930002**
2635 S CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Not reported
Comp Number:	21127
Number:	Not reported
Board Of Equalization:	44-023445
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021127-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	5

Status:	Not reported
Comp Number:	21127
Number:	Not reported
Board Of Equalization:	44-023445
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021127-000002
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21127
Number:	Not reported
Board Of Equalization:	44-023445
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021127-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21127
Number:	Not reported

NORWICH/VAN RAAPHORST AT0003 (Continued) **S106930002**

Board Of Equalization:	44-023445
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021127-000004
Tank Status:	Not reported
Capacity:	300
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21127
Number:	Not reported
Board Of Equalization:	44-023445
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021127-000005
Tank Status:	Not reported
Capacity:	300
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

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57 **AMERICAN HOME HEALTH** **CA San Diego Co. HMMD** **S106069085**
2535 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154465
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-07-00
Last HMMD Inspection:	04/13/1999
Permit Status:	INAC
Permit Expiration:	06/30/2002
Facility Owner:	AMERICAN HOME HEALTH
Facility Address:	2535 S CAMINO DEL RIO #112
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **SO CA MULTI SPECIALTY MED GRP** **CA San Diego Co. HMMD** **S106067370**
2225 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	151899
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-140-36-00
Last HMMD Inspection:	09/08/1994
Permit Status:	INAC
Permit Expiration:	09/08/1994
Facility Owner:	KENNETH SHANDELL MD
Facility Address:	2225 S CAMINO DEL RIO
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3613
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **SOUTHERN CALIFORNIA MUTI-SPEC** **CA San Diego Co. HMMD** **S106067357**
2225 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	151878
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-140-36-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	08/31/2002
Facility Owner:	KENNETH SHANDELL
Facility Address:	2225 CAMINO DEL RIO S #B
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3613
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **FIRST UNITED METHODIST CHURCH** **CA HAZNET** **S112889753**
2111 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112889753
Year:	1998
GEPAID:	CAC001417240
Contact:	FIRST UNITED/TODD BRADLEY
Telephone:	6192974366
Mailing Name:	Not reported
Mailing Address:	2111 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.7002
Facility County:	San Diego

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57 **NEW LIFE HEALTH PARTNERS** **CA San Diego Co. HMMD** **S106069134**
2515 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154539
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-05-00
Last HMMD Inspection:	05/28/2003
Permit Status:	INAC
Permit Expiration:	11/30/2005
Facility Owner:	ALEXANDER/JARA ACUPUNCTURE
Facility Address:	2515 CAMINO DEL RIO SOUTH #200
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	208888
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-05-00
Last HMMD Inspection:	12/21/2007
Permit Status:	INAC
Permit Expiration:	04/30/2009
Facility Owner:	MARGI DURAN, GREG SPERBER & PETER MEADEN
Facility Address:	2515 CAMINO DEL RIO S #220
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported

NEW LIFE HEALTH PARTNERS (Continued) **S106069134**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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57 **ENCIN REAL ESTATE CORP** **CA HAZNET** **S112924466**
2515 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112924466
Year: 2002
GEPAID: CAC002555934
Contact: DAVID RAMBOW
Telephone: 8584548857
Mailing Name: Not reported
Mailing Address: 1120 SILVERADO ST
Mailing City,St,Zip: LA JOLLA, CA 92037
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 5.4
Facility County: San Diego

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57 **GENTIVA HEALTH SERVICES** **CA San Diego Co. HMMD** **S106068856**
2525 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 154128
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-190-06-00
Last HMMD Inspection: 02/25/2010
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: GENTIVA HEALTH SERVICES
Facility Address: 12900 FOSTER
Facility City: OVERLAND PARKS
Facility State: KS
Facility Zip: 66213
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 154128
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS

GENTIVA HEALTH SERVICES (Continued) **S106068856**

Other Information: MAIL AWAY SHARPS TO STERICYCLE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 154128
Update Date: 11/02/2012
Inspection Date: 02/06/2007
Violation Code: 6HV4312
Violation: LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation: Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity: ACTIVE

Facility Id: 154128
Update Date: 11/02/2012
Inspection Date: 02/06/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

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57 **ULTRA MEDICAL CARE** **CA San Diego Co. HMMD** **S106068894**
2525 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 154186
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-190-06-00
Last HMMD Inspection: 01/15/1998
Permit Status: INAC
Permit Expiration: 03/31/1998
Facility Owner: TLC MANAGEMENT OF CA LLC
Facility Address: 6255 W SUNSET BL #724
Facility City: LOS ANGELES
Facility State: CA
Facility Zip: 90028-7408
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

57 **PASSPORT HEALTH** **CA San Diego Co. HMMD** **S106067346**
2525 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	151861
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-06-00
Last HMMD Inspection:	08/20/1992
Permit Status:	INAC
Permit Expiration:	07/31/1993
Facility Owner:	SERVICEONE NURSING & HOME CARE
Facility Address:	2525 S CAMINO DEL RIO SO #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3717
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	209787
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-190-06-00
Last HMMD Inspection:	05/15/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	PASSPORT HEALTH
Facility Address:	2525 CAMINO DEL RIO S #325
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	209787
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	209787
Update Date:	11/02/2012
Inspection Date:	10/09/2008

PASSPORT HEALTH (Continued) **S106067346**

Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE

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57 **CENTER CITY CHIROPRACTIC** **CA San Diego Co. HMMD** **S110497312**
2555 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	209342
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-180-30-00
Last HMMD Inspection:	05/16/2008
Permit Status:	EXPR
Permit Expiration:	10/31/2012
Facility Owner:	THEO KIRCHEN
Facility Address:	2555 CAMINO DEL RIO S #201
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	209342
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	LIQUID FIXER-HAULER SAN DIEGO X-RAY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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57 **DOHOLIS CHIROPRACTIC CLINIC** **CA HAZNET** **S113063773**
2615 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 00000

HAZNET:

envid:	S113063773
Year:	2001
GEPAID:	CAL000112158
Contact:	DR. STEVEN DOHOLIS
Telephone:	6192999293
Mailing Name:	Not reported
Mailing Address:	2615 CAMINO DEL RIO S #100
Mailing City,St,Zip:	SAN DIEGO, CA 921080000

DOHOLIS CHIROPRACTIC CLINIC (Continued) **S113063773**

Gen County:	Not reported
TSD EPA ID:	CAT000646117
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Disposal, Land Fill
Tons:	1.1
Facility County:	San Diego

---

57 **GREAT WESTERN BANK** **CA HAZNET** **S112849786**
1900 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112849786
Year:	1994
GEPAID:	CAC000882928
Contact:	GREAT WESTERN BANK
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	285 HAMILTON AVE
Mailing City,St,Zip:	PALO ALTO, CA 943010000
Gen County:	Not reported
TSD EPA ID:	CAL000027741
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.8428
Facility County:	San Diego

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57 **ADDUS HEALTHCARE INC.** **CA San Diego Co. HMMD** **S106070632**
2555 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	200506
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-30-00
Last HMMD Inspection:	08/13/2002
Permit Status:	INAC
Permit Expiration:	01/31/2003
Facility Owner:	ANDREW WRIGHT
Facility Address:	2555 CAMINO DEL RIO S. , #202
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	200506
Business Type:	6HK10

ADDUS HEALTHCARE INC. (Continued) **S106070632**

EPA Id Number:	Not reported
APN:	438-180-30-00
Last HMMD Inspection:	08/13/2002
Permit Status:	INAC
Permit Expiration:	01/31/2003
Facility Owner:	ANDREW WRIGHT
Facility Address:	2555 CAMINO DEL RIO S. , #202
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **WARREN WEST CONSTRUCTION** **RCRA NonGen / NLR** **1001217496**
2667 CAMINO DEL RIO S 107C **FINDS** **CAR000035725**
SAN DIEGO, CA 92108

RCRA NonGen / NLR:

Date form received by agency:	01/26/1998
Facility name:	WARREN WEST CONSTRUCTION
Facility address:	2667 CAMINO DEL RIO S 107C SAN DIEGO, CA 92108
EPA ID:	CAR000035725
Contact:	TIM WARREN
Contact address:	2667 CAMINO DEL RIO S 107C SAN DIEGO, CA 92108
Contact country:	US
Contact telephone:	(619) 291-0018
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TIM WARREN
Owner/operator address:	2667 CAMINO DEL RIO S 107C SAN DIEGO, CA 92108
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 291-0018
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	Yes
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

WARREN WEST CONSTRUCTION (Continued) **1001217496**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002920689

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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57 **STERN CHIROPRACTIC CENTER** **CA San Diego Co. HMMD** **S106059944**
2615 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102022
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	438-180-28-00
Last HMMD Inspection:	06/02/2010
Permit Status:	INAC
Permit Expiration:	06/30/2009
Facility Owner:	NEIL C. STERN D.C
Facility Address:	2615 CAMINO DEL RIO SOUTH #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	102022
Update Date:	11/02/2012
Inspection Date:	06/02/2010
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

STERN CHIROPRACTIC CENTER (Continued) **S106059944**

Facility Id:	208247
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-28-00
Last HMMD Inspection:	08/13/2010
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	RICHARD GOLD
Facility Address:	2615 CAMINO DEL RIO S #201
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	208247
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	208247
Update Date:	11/02/2012
Inspection Date:	06/28/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

Facility Id:	208247
Update Date:	11/02/2012
Inspection Date:	06/28/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

57 **GILLARD ENTERPRISES** **CA HAZNET** **S112916916**
2667 CAMINO DEL RIO SOUTH **N/A**
MISSION VALLEY, CA 92108

HAZNET:

envid:	S112916916
Year:	2001
GEPAID:	CAC002376711
Contact:	MIKE GILLARD-PARTNER
Telephone:	6195072649
Mailing Name:	Not reported
Mailing Address:	1133 FLORA AVE
Mailing City,St,Zip:	CORONADO, CA 921180000
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Recycler
Tons:	3.5
Facility County:	San Diego

envid:	S112916916
Year:	2001
GEPAID:	CAC002376711
Contact:	MIKE GILLARD-PARTNER
Telephone:	6195072649
Mailing Name:	Not reported
Mailing Address:	1133 FLORA AVE
Mailing City,St,Zip:	CORONADO, CA 921180000
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	5.6
Facility County:	San Diego

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57 **MIKE GILLARD** **CA HAZNET** **S112920672**
2667 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112920672
Year:	2002
GEPAID:	CAC002528711
Contact:	MIKE GILLARD
Telephone:	6195205250
Mailing Name:	Not reported
Mailing Address:	1133 FLORA AVE
Mailing City,St,Zip:	CORONADO, CA 921180000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	0.12
Facility County:	San Diego

57 **ALTERNAMED MANAGEMENT** **CA San Diego Co. HMMD** **S106068892**
2667 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	209814
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-33-00
Last HMMD Inspection:	10/06/2008
Permit Status:	INAC
Permit Expiration:	02/28/2010
Facility Owner:	SCHUBERT J ATIGA, MD
Facility Address:	752 MEDICAL CENTER DR #106
Facility City:	CHULA VISTA
Facility State:	CA
Facility Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	209814
Update Date:	11/02/2012
Inspection Date:	10/06/2008
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	Inactive Permit

Facility Id:	209814
Update Date:	11/02/2012
Inspection Date:	10/06/2008
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit

Facility Id:	154183
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-33-00
Last HMMD Inspection:	01/07/2000
Permit Status:	INAC
Permit Expiration:	01/07/2000
Facility Owner:	ALTERNAMED MANAGEMENT
Facility Address:	8950 VILLA LA JOLLA DR 1162
Facility City:	LA JOLLA
Facility State:	CA
Facility Zip:	92037-1706
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

ALTERNAMED MANAGEMENT (Continued) **S106068892**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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57 **EDR US Hist Auto Stat** **1015381371**
2727 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name: BRAKE TEAM
Year: 2004
Address: 2727 CAMINO DEL RIO S

Name: THE BRAKE PLACE INC
Year: 2005
Address: 2727 CAMINO DEL RIO S

Name: BRAKE TEAM
Year: 2009
Address: 2727 CAMINO DEL RIO S

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57 **GOLDEN CROWNE HOME HEALTH CARE** **CA San Diego Co. HMMD** **S109279310**
2727 S CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id: 153963
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-180-27-00
Last HMMD Inspection: 05/13/1998
Permit Status: INAC
Permit Expiration: 05/13/1998
Facility Owner: GOLDEN CROWNE HOME HEALTH CARE
Facility Address: 2727 CAMINO DEL RIO SOUTH #337
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

57 **EDR US Hist Auto Stat** **1015382070**
2737 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: BRAKE TEAM
Year: 2003
Address: 2737 CAMINO DEL RIO S

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57 **HIMINKOOL CHIROPRACTIC CENTER** **CA San Diego Co. HMMD** **S106063566**
2810 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 132530
Business Type: 6HK18
EPA Id Number: CAL00009491
APN: DEH-132530
Last HMMD Inspection: 01/26/1994
Permit Status: INAC
Permit Expiration: 01/26/1994
Facility Owner: JOHN HIMINKOOL
Facility Address: 2810 CAMINO DEL RIO S #101
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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57 **MISSION VALLEY DISPOSAL AREA** **CA WMUDS/SWAT** **S103442757**
UNKNOWN **N/A**
SAN DIEGO, CA

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: UNKNOWN
Agency Department: Not reported
Agency Address: Not reported
Agency City,St,Zip: Not reported

MISSION VALLEY DISPOSAL AREA (Continued) **S103442757**

Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	UNKNOWN
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	UNKNOWN
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	MA
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	9 370135NUR
Solid Waste Information ID:	Not reported

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57 **TERRASANTA COMMUNITY AREA II** **CA WMUDS/SWAT** **S103442756**
UNKNOWN **N/A**
SAN DIEGO, CA

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	UNKNOWN
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported

TERRASANTA COMMUNITY AREA II (Continued) **S103442756**

Agency Telephone:	Not reported
Land Owner Name:	UNKNOWN
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	UNKNOWN
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	MA
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	9 370131NUR
Solid Waste Information ID:	Not reported

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57 **TERRASANTA COMMUNITY AREA** **CA WMUDS/SWAT** **S103442755**
UNKNOWN **N/A**
SAN DIEGO, CA

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	UNKNOWN
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported

TERRASANTA COMMUNITY AREA (Continued) **S103442755**

Land Owner Name:	UNKNOWN
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	9
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	UNKNOWN
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	MA
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	9 370130NUR
Solid Waste Information ID:	Not reported

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57 **NAS MIRAMAR** **CA CHMIRS** **S103320837**
UNKNOWN **CA WMUDS/SWAT** **N/A**
SAN DIEGO, CA 92145

CHMIRS:

OES Incident Number:	03-3419
OES notification:	07/07/2003
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

NAS MIRAMAR (Continued) **S103320837**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Customer
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Quality Carriers
Incident Date:	7/7/200312:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sodium Hydrochloride
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A PCV leak on a truck caused the release.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	SB
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported

NAS MIRAMAR (Continued) **S103320837**

Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	NAVY
Agency Department:	Not reported
Agency Address:	MIRAMAR NAVAL AIR STATION
Agency City,St,Zip:	SAN DIEGO 92105
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	NAS MIRAMAR
Land Owner Address:	Not reported
Land Owner City,St,Zip:	SAN DIEGO, CA 92145
Land Owner Contact:	Not reported
Land Owner Phone:	7142713401
Region:	9
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	NAS MIRAMAR
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	True
Solid Waste Assessment Test Program:	NAVY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	DFH
Number of WMUDS at Facility:	1
Section Range:	15S03W
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	9 370016NUR
Solid Waste Information ID:	37-SS-0091

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57 **SIUMAN FAN DDS** **CA San Diego Co. HMMD** **S106071151**
2020 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92118

SAN DIEGO CO. HMMD:

Facility Id:	201091
Business Type:	6HK10
EPA Id Number:	CAL000195432
APN:	438-120-24-00
Last HMMD Inspection:	04/28/2009
Permit Status:	INAC
Permit Expiration:	04/30/2010
Facility Owner:	SIUMAN FAN
Facility Address:	2020 CAMINO DEL RIO NORTH STE 101
Facility City:	SAN DIEGO
Facility State:	CA

SIUMAN FAN DDS (Continued) **S106071151**

Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 201091
Update Date: 11/02/2012
Inspection Date: 02/02/2006
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: Inactive Permit

Facility Id: 201091
Update Date: 11/02/2012
Inspection Date: 04/28/2009
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: Inactive Permit

Facility Id: 201091
Update Date: 11/02/2012
Inspection Date: 02/02/2006
Violation Code: 6HV4205
Violation: MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation: Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity: Inactive Permit

Facility Id: 201091
Business Type: 6HK10
EPA Id Number: CAL000195432
APN: 438-120-24-00
Last HMMD Inspection: 04/28/2009
Permit Status: INAC
Permit Expiration: 04/30/2010
Facility Owner: SIUMAN FAN
Facility Address: 2020 CAMINO DEL RIO NORTH STE 101
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

SIUMAN FAN DDS (Continued) **S106071151**

Violations Inactive Permits:

Facility Id:	201091
Update Date:	11/02/2012
Inspection Date:	02/02/2006
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	Inactive Permit

Facility Id:	201091
Update Date:	11/02/2012
Inspection Date:	04/28/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit

Facility Id:	201091
Update Date:	11/02/2012
Inspection Date:	02/02/2006
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	Inactive Permit

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57 **MARC D ROSE, M.D.** **CA San Diego Co. HMMD** **S106070442**
2020 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	200300
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-101711
Last HMMD Inspection:	07/21/2005
Permit Status:	INAC
Permit Expiration:	10/31/2007
Facility Owner:	MARC D ROSE
Facility Address:	2020 CAMINO DEL RIO N #808
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **EDR US Hist Cleaners** **1015013878**
2020 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	FLAMINGO DRY CLEANERS
Year:	2004
Address:	2020 CAMINO DEL RIO N
Name:	FLAMINGO CLEANERS
Year:	2005
Address:	2020 CAMINO DEL RIO N

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57 **OASIS DENTISTRY - C. RHOADES, DDS, INC** **CA San Diego Co. HMMD** **S106071551**
2020 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	201531
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-120-24-00
Last HMMD Inspection:	07/12/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	CHRISTOPHER RHOADES
Facility Address:	2020 CAMINO DEL RIO NORTH #108
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	X-RAY FIXER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS/ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201531
Update Date:	11/02/2012

OASIS DENTISTRY - C. RHOADES, DDS, INC (Continued) **S106071551**

Inspection Date:	05/06/2009
Violation Code:	6HV4441
Violation:	ILLEGAL DISPOSAL OF PHOTO/HAZWASTE
Violation Citation:	Illegal disposal of photoprocessing/ hazardous waste to the sewer, trash, etc. 25189.5
Activity:	ACTIVE

Facility Id:	201531
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	201531
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-120-24-00
Last HMMD Inspection:	07/12/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	CHRISTOPHER RHOADES
Facility Address:	2020 CAMINO DEL RIO NORTH #108
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	X-RAY FIXER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS/ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

OASIS DENTISTRY - C. RHOADES, DDS, INC (Continued) **S106071551**

Facility Id:	201531
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4441
Violation:	ILLEGAL DISPOSAL OF PHOTO/HAZWASTE
Violation Citation:	Illegal disposal of photoprocessing/ hazardous waste to the sewer, trash, etc. 25189.5
Activity:	ACTIVE

Facility Id:	201531
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	201531
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-120-24-00
Last HMMD Inspection:	07/12/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	CHRISTOPHER RHOADES
Facility Address:	2020 CAMINO DEL RIO NORTH #108
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inactive Permits:

Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	X-RAY FIXER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS/ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

OASIS DENTISTRY - C. RHOADES, DDS, INC (Continued) **S106071551**

Violations Active Permits:

Facility Id:	201531
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4441
Violation:	ILLEGAL DISPOSAL OF PHOTO/HAZWASTE
Violation Citation:	Illegal disposal of photoprocessing/ hazardous waste to the sewer, trash, etc. 25189.5
Activity:	ACTIVE

Facility Id:	201531
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	201531
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-120-24-00
Last HMMD Inspection:	07/12/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	CHRISTOPHER RHOADES
Facility Address:	2020 CAMINO DEL RIO NORTH #108
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	X-RAY FIXER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	201531
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS/ISOLYSER
Material Waste:	Waste
Hazardous Categories 1:	Not reported

OASIS DENTISTRY - C. RHOADES, DDS, INC (Continued) **S106071551**

Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id:	201531
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4441
Violation:	ILLEGAL DISPOSAL OF PHOTO/HAZWASTE
Violation Citation:	Illegal disposal of photoprocessing/ hazardous waste to the sewer, trash, etc. 25189.5
Activity:	ACTIVE

Facility Id:	201531
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Click this hyperlink while viewing on your computer to access
-1 additional CA_HMMD: record(s) in the EDR Site Report.

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57 **PROPERTY SYSTEMS INC** **CA HAZNET** **S113099761**
2020 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113099761
Year:	2001
GEPAID:	CAL000190250
Contact:	DAVE BLACKBURN/OWNER
Telephone:	6195631198
Mailing Name:	Not reported
Mailing Address:	2020 CAMINO DEL RIO NORTH STE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.1
Facility County:	San Diego

envid:	S113099761
Year:	2001
GEPAID:	CAL000190250
Contact:	DAVE BLACKBURN/OWNER
Telephone:	6195631198
Mailing Name:	Not reported
Mailing Address:	2020 CAMINO DEL RIO NORTH STE 200
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported

PROPERTY SYSTEMS INC (Continued) **S113099761**

Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.13
Facility County: San Diego

envid: S113099761
Year: 2000
GEPAID: CAL000190250
Contact: DAVE BLACKBURN/OWNER
Telephone: 6195631198
Mailing Name: Not reported
Mailing Address: 2020 CAMINO DEL RIO NORTH STE 200
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 5.3
Facility County: San Diego

envid: S113099761
Year: 2000
GEPAID: CAL000190250
Contact: DAVE BLACKBURN/OWNER
Telephone: 6195631198
Mailing Name: Not reported
Mailing Address: 2020 CAMINO DEL RIO NORTH STE 200
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Disposal, Land Fill
Tons: 33.71
Facility County: San Diego

envid: S113099761
Year: 2000
GEPAID: CAL000190250
Contact: DAVE BLACKBURN/OWNER
Telephone: 6195631198
Mailing Name: Not reported
Mailing Address: 2020 CAMINO DEL RIO NORTH STE 200
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: AZ0950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 27.64
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

57 **BRONSON MEDICAL CORPORATION** **CA San Diego Co. HMMD** **S106066666**
2810 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	150908
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-34-00
Last HMMD Inspection:	02/07/1994
Permit Status:	INAC
Permit Expiration:	02/07/1994
Facility Owner:	BRONSON MEDICAL CORPORATION
Facility Address:	2810 CAMINO DEL RIO SOUTH 104
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3818
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **JOHN L BECK MD** **CA San Diego Co. HMMD** **S106067554**
2810 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	152234
Business Type:	6HK10
EPA Id Number:	CAL000108205
APN:	438-180-34-00
Last HMMD Inspection:	07/09/1998
Permit Status:	INAC
Permit Expiration:	07/09/1998
Facility Owner:	JOHN L BECK MD
Facility Address:	2810 CAMINO DEL RIO S #203
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3506
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **DR. GERALD WOLFE** **CA San Diego Co. HMMD** **S106066597**
2810 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	150807
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-34-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	08/31/1995
Facility Owner:	DR. GERALD WOLFE
Facility Address:	2810 CAMINO DEL RIO SOUTH 203
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3818
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **VAMC OUTPATIENT CLINIC** **RCRA-SQG** **1000978125**
2022 CAMINO DEL RIO N **FINDS** **CA0000920975**
SAN DIEGO, CA 92108

RCRA-SQG:

Date form received by agency:	11/07/1994
Facility name:	VAMC OUTPATIENT CLINIC
Facility address:	2022 CAMINO DEL RIO N SAN DIEGO, CA 92108
EPA ID:	CA0000920975
Mailing address:	LA JOLLA VILLAGE DR SAN DIEGO, CA 92161
Contact:	ROUCAL REOH
Contact address:	3350 LA JOLLA VILLAGE DR SAN DIEGO, CA 92161
Contact country:	US
Contact telephone:	(619) 552-8585
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	DEPARTMENT OF VETERANS AFFAIRS
Owner/operator address:	810 VERMONT AVE NW WASHINGTON, DC 20420
Owner/operator country:	Not reported
Owner/operator telephone:	(202) 233-7220
Legal status:	State
Owner/Operator Type:	Owner

VAMC OUTPATIENT CLINIC (Continued) **1000978125**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002621128

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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57 **RALVIN PACIFIC PROPERTIES INC** **CA HAZNET** **S112867993**
2022 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112867993
Year: 1997
GEPAID: CAC001131760
Contact: RALVIN PACIFIC PROP INC
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 2223 AVENIDA DE LA PLAYA
Mailing City,St,Zip: LA JOLLA, CA 920370000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 63.2100
Facility County: San Diego

envid: S112867993
Year: 1996

RALVIN PACIFIC PROPERTIES INC (Continued) **S112867993**

GEPAID:	CAC001131760
Contact:	RALVIN PACIFIC PROP INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2223 AVENIDA DE LA PLAYA
Mailing City,St,Zip:	LA JOLLA, CA 920370000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	1.8963
Facility County:	San Diego

envid:	S112867993
Year:	1995
GEPAID:	CAC001131760
Contact:	RALVIN PACIFIC PROP INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2223 AVENIDA DE LA PLAYA
Mailing City,St,Zip:	LA JOLLA, CA 920370000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	1.6856
Facility County:	San Diego

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57 **DR GERALD L. WOLFE D.O.** **CA San Diego Co. HMMD** **S106068690**
2831 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153904
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-210-27-00
Last HMMD Inspection:	03/10/1999
Permit Status:	INAC
Permit Expiration:	03/10/1999
Facility Owner:	DR GERALD L WOLFE D.O.
Facility Address:	2831 S CAMINO DEL RIO 104
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **TODAI RESTURANT** **CA HAZNET** **S112924080**
2828 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112924080
Year:	2002
GEPAID:	CAC002555258
Contact:	BILL CHOI
Telephone:	6192998996
Mailing Name:	Not reported
Mailing Address:	2828 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	0.12
Facility County:	San Diego

envid:	S112924080
Year:	2002
GEPAID:	CAC002555258
Contact:	BILL CHOI
Telephone:	6192998996
Mailing Name:	Not reported
Mailing Address:	2828 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	1.66
Facility County:	San Diego

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57 **TODAI RESTAURANT** **CA HAZNET** **S112948347**
2828 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112948347
Year:	2005
GEPAID:	CAC002595117
Contact:	DEAN LEHR/OWNER
Telephone:	4154865180
Mailing Name:	Not reported
Mailing Address:	PO BOX 67
Mailing City,St,Zip:	CORTE MADERA, CA 949760067
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	0.84
Facility County:	San Diego

57 **PULSE HEALTH SERVICES** **CA San Diego Co. HMMD** **S106067883**
2820 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153786
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-34-00
Last HMMD Inspection:	11/05/1997
Permit Status:	INAC
Permit Expiration:	11/05/1997
Facility Owner:	PULSE HEALTH SERVICES
Facility Address:	2820 S CAMINO DEL RIO #105
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	152731
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-180-34-00
Last HMMD Inspection:	03/24/1993
Permit Status:	INAC
Permit Expiration:	06/30/1995
Facility Owner:	ORNDA HEALTH CORP
Facility Address:	2820 CAMINO DEL RIO S #208
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **CALIFORNIA COLLEGE SAN DIEGO** **CA San Diego Co. HMMD** **S106879940**
2820 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	204971
Business Type:	6HK63
EPA Id Number:	Not reported
APN:	438-180-34-00
Last HMMD Inspection:	04/11/2011
Permit Status:	SUSP
Permit Expiration:	09/30/2012
Facility Owner:	CALIFORNIA COLLEGE SAN DIEGO
Facility Address:	2820 CAMINO DEL RIO S #300
Facility City:	SAN DIEGO

CALIFORNIA COLLEGE SAN DIEGO (Continued) **S106879940**

Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Active Permits:

Facility Id:	204971
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	204971
Update Date:	11/02/2012
Case Number:	Not reported
Name:	AIR, COMPRESSED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	204971
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	WASTE PHOTOFIXER/SRU
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	204971
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	STERICYCLE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	204971
Update Date:	11/02/2012
Inspection Date:	08/20/2009
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	SUSP

CALIFORNIA COLLEGE SAN DIEGO (Continued) **S106879940**

Facility Id:	204971
Update Date:	11/02/2012
Inspection Date:	04/11/2011
Violation Code:	6HV4303
Violation:	SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity:	SUSP

Facility Id:	204971
Update Date:	11/02/2012
Inspection Date:	04/11/2011
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	SUSP

Facility Id:	204971
Update Date:	11/02/2012
Inspection Date:	08/20/2009
Violation Code:	6HV4303
Violation:	SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity:	SUSP

Facility Id:	204971
Update Date:	11/02/2012
Inspection Date:	08/20/2009
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	SUSP

Facility Id:	204971
Update Date:	11/02/2012
Inspection Date:	08/03/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	SUSP

Facility Id:	204971
Update Date:	11/02/2012
Inspection Date:	08/20/2009
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	SUSP

Facility Id:	204971
Update Date:	11/02/2012

CALIFORNIA COLLEGE SAN DIEGO (Continued) **S106879940**

Inspection Date: 08/20/2009
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: SUSP

Facility Id: 204971
Update Date: 11/02/2012
Inspection Date: 04/11/2011
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: SUSP

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57 **CETHRON PROPERTY MANAGEMENT** **FTTS** **1010002182**
2835 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

FTTS INSP:
Inspection Number: 200312039FL01 2
Region: 09
Inspection Date: 12/03/03
Inspector: N.OIEN,C.MARTIN
Violation occurred: No
Investigation Type: Lead, Section 1018, SEE
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: Landlord/Renter Facility

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57 **NEW CENTURY SPINE CENTERS** **CA San Diego Co. HMMD** **S109278735**
2835 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 215438
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-210-19-00
Last HMMD Inspection: 10/07/2011
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: DENISE JARA & JONATHAN BURKE
Facility Address: 2835 CAMINO DEL RIO SOUTH #120A
Facility City: San Diego
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported

NEW CENTURY SPINE CENTERS (Continued) **S109278735**

Generate Medical Waste: Y

Inactive Permits:

Facility Id: 215438
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: ACUPUNCTURE NEEDLES (TREATMENT: MAIL-BACK)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 206337
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-210-19-00
Last HMMD Inspection: 05/13/2009
Permit Status: INAC
Permit Expiration: 08/31/2011
Facility Owner: DENISE JARA, BONNIE ALEXANDER
Facility Address: 2835 CAMINO DEL RIO S #120A
Facility City: San Diego
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:

Facility Id: 206337
Update Date: 11/02/2012
Inspection Date: 05/13/2009
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: Inactive Permit

Facility Id: 206337
Update Date: 11/02/2012
Inspection Date: 05/13/2009
Violation Code: 6HV4353
Violation: LQG:NO MW DISPOSAL RECORDS FOR 3 YRS
Violation Citation: Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 3 years (LQG). 117975
Activity: Inactive Permit

Facility Id: 212201
Business Type: 6HK15
EPA Id Number: Not reported
APN: 438-210-19-00
Last HMMD Inspection: Not reported

NEW CENTURY SPINE CENTERS (Continued) **S109278735**

Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	DIRK KANCILIA
Facility Address:	2835 CAMINO DEL RIO S, STE# 110
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	212201
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	SOUTHWEST IMAGING
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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57 **VETERANS ADMINISTRATION CLINIC** **CA San Diego Co. HMMD** **S106068462**
2022 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153600
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-153600
Last HMMD Inspection:	10/20/1998
Permit Status:	INAC
Permit Expiration:	12/31/1998
Facility Owner:	VETERANS ADMINISTRATION CLINIC
Facility Address:	2022 N CAMINO DEL RIO N
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **LASI-CARE** **CA San Diego Co. HMMD** **S106060203**
2020 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102749
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	DEH-102749
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	12/31/2002
Facility Owner:	HAIFA BOUTROS
Facility Address:	2020 CAMINO DEL RIO N 800
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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57 **AIDAN M CLARKE, MD INC** **CA San Diego Co. HMMD** **S106068980**
2020 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154313
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-154313
Last HMMD Inspection:	05/13/2004
Permit Status:	INAC
Permit Expiration:	06/30/2006
Facility Owner:	AIDAN M. CLARKE M.D.
Facility Address:	2020 CAMINO DEL RIO N #202
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

57 **JOHN BECK,MD** **CA HAZNET** **S113062359**
2810 CAMINO DEL RIOSOUTH **N/A**
SAN DIEGO, CA 00000

HAZNET:

envid:	S113062359
Year:	1996
GEPAID:	CAL000108205
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3703 CAMINO DEL RIO SO #210
Mailing City,St,Zip:	SAN DIEGO, CA 921083820
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	.0000
Facility County:	San Diego

envid:	S113062359
Year:	1995
GEPAID:	CAL000108205
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3703 CAMINO DEL RIO SO #210
Mailing City,St,Zip:	SAN DIEGO, CA 921083820
Gen County:	Not reported
TSD EPA ID:	CAL920973155
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Tons:	.0208
Facility County:	San Diego

envid:	S113062359
Year:	1994
GEPAID:	CAL000108205
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	3703 CAMINO DEL RIO SO #210
Mailing City,St,Zip:	SAN DIEGO, CA 921083820
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	.0025
Facility County:	San Diego

envid:	S113062359
Year:	1993
GEPAID:	CAL000108205
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported

JOHN BECK,MD (Continued) **S113062359**

Mailing Address:	3703 CAMINO DEL RIO SO #210
Mailing City,St,Zip:	SAN DIEGO, CA 921083820
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	0.001
Facility County:	San Diego

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57 **CA CHMIRS** **S100217937**

I-8 AND I-805 NORTHBOUND **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	8908749
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	02-NOV-89
Date Completed:	**02-NOV-89**
Property Use:	961
Agency Id Number:	37717
Agency Incident Number:	99999
Time Notified:	930
Time Completed:	1130
Surrounding Area:	961
Estimated Temperature:	80
Property Management:	S
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	NICK VENT
Report Date:	02-NOV-89
Facility Telephone:	619 338-2222
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported

(Continued) **S100217937**

Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	22-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

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58 **CAMP KEARNY MESA** **CA SWF/LF** **S105454032**
6521 LINDA VISTA ROAD **N/A**
SAN DIEGO, CA

SWF/LF (SWIS):

Region:	STATE
Facility ID:	37-CR-0090
Lat/Long:	32.7719700 / -117.17756
Owner Name:	Francis W. Parker School
Owner Telephone:	8585697900
Owner Address:	Not reported
Owner Address2:	6501 Linda Vista Road
Owner City,St,Zip:	San Diego, CA 92111
Operational Status:	Closed
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	0
Activity:	Solid Waste Disposal Site
Regulation Status:	Pre-regulations
Landuse Name:	Residential
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Quarterly
Accepted Waste:	Ash
Closure Date:	01/01/1939
Closure Type:	Estimated
Disposal Acreage:	0
SWIS Num:	37-CR-0090

CAMP KEARNY MESA (Continued) **S105454032**

Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported
Lat/Long: 32.7719700 / -117.17756

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58 **FRANCIS PARKER SCHOOL** **CA LDS** **S109286972**
6501 LINDA VISTA ROAD **CA ENVIROSTOR** **N/A**
SAN DIEGO, CA 92111

LDS:

Global Id: L10008321362
Latitude: 32.77113
Longitude: -117.1776
Case Type: Land Disposal Site
Status: Open - Closing/with Monitoring
Status Date: 01/13/2014
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Caseworker: JRO
Local Agency: Not reported
RB Case Number: 9 000394N00
LOC Case Number: H39541-001
File Location: Regional Board
Potential Media Affect: Soil
EDR Link ID: L10008321362
Potential Contaminants of Concern: Lead, Other Metal
Site History: Possibly the Former Camp Kearny Burn Ash Site.

Click here to access the California GeoTracker records for this facility:

ENVIROSTOR:
Facility ID: 37000042
Status: Refer: 1248 Local Agency
Status Date: 08/02/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 79
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.77116
Longitude: -117.1769

FRANCIS PARKER SCHOOL (Continued) **S109286972**

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: T0608149552
Alias Type: GeoTracker Global ID
Alias Name: 37000042
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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58 **CAMP KEARNY MESA BURN ASH SITE** **CA SAN DIEGO CO. SAM** **S105691889**
6507 LINDA VISTA RD **N/A**
SAN DIEGO, CA 92111

SAN DIEGO CO. SAM:
Case Number: H39541-001
Agency: DEH Site Assessment & Mitigation
Funding: **XV**
Facility Type: Soils Only
Facility Status: Remedial Investigation
Date: 8/23/2001
Date Began: 8/17/2001

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59 **HAZARD R E INC** **CERC-NFRAP** **1003878264**
CABRILLO FWY & FRIARS RD **CAD006911382**
SAN DIEGO, CA 92120

CERC-NFRAP:
Site ID: 0900978
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13288314.00000
Person ID: 13003854.00000

Contact Sequence ID: 13293909.00000
Person ID: 13003858.00000

HAZARD R E INC (Continued) **1003878264**

Contact Sequence ID: 13299767.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/79
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 09/01/84
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/01/84
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

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59 **R. E. HAZARD** **CA HIST CORTESE** **S102435627**
7501 FRIARS RD **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT405

LUST:
Region: STATE
Global Id: T0607302721
Latitude: 32.7726978
Longitude: -117.1572523
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/30/1993
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT405
LOC Case Number: H01350-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302721
Status: Completed - Case Closed
Status Date: 07/30/1993

Global Id: T0607302721

R. E. HAZARD (Continued) **S102435627**

Status: Open - Case Begin Date
Status Date: 06/17/1986

Regulatory Activities:
Global Id: T0607302721
Action Type: Other
Date: 06/17/1986
Action: Leak Began

Global Id: T0607302721
Action Type: Other
Date: 06/17/1986
Action: Leak Discovery

Global Id: T0607302721
Action Type: Other
Date: 06/17/1986
Action: Leak Stopped

Global Id: T0607302721
Action Type: ENFORCEMENT
Date: 06/17/1986
Action: Notice of Responsibility

Global Id: T0607302721
Action Type: Other
Date: 06/17/1986
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT405
Local Case: H01350-001
Substance: Diesel
Qty Leaked: 0
Abate Method: EDETGTCB
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 06/13/1986
Date Stopped: 06/13/1986
Confirm Date: 06/17/1986
Submit Workplan: Not reported
Prelim Assess: 07/08/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 8/21/87
Began Monitor: Not reported
Release Date: 06/17/1986
Enforce Date: Not reported

R. E. HAZARD (Continued) **S102435627**

Closed Date: 7/12/93
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: High priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 1350
Number: 9
Board Of Equalization: 44-021606
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1350
Number: Not reported
Board Of Equalization: 44-021606
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001350-000002
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1350
Number: Not reported
Board Of Equalization: 44-021606
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001350-000003

R. E. HAZARD (Continued) **S102435627**

Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	1350
Number:	Not reported
Board Of Equalization:	44-021606
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001350-000004
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	1350
Number:	Not reported
Board Of Equalization:	44-021606
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001350-000005
Tank Status:	Not reported
Capacity:	2500
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	1350
Number:	Not reported
Board Of Equalization:	44-021606
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001350-000006
Tank Status:	Not reported
Capacity:	1500
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported

R. E. HAZARD (Continued) **S102435627**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1350
Number: Not reported
Board Of Equalization: 44-021606
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001350-000007
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1350
Number: Not reported
Board Of Equalization: 44-021606
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001350-000008
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1350
Number: Not reported
Board Of Equalization: 44-021606
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001350-000009
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 1350
Number: Not reported
Board Of Equalization: 44-021606

R. E. HAZARD (Continued) **S102435627**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-001350-000001
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	11

SAN DIEGO CO. HMMD:

Facility Id:	101350
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	438-021-20-00
Last HMMD Inspection:	12/20/1984
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	R.E. HAZARD CONTRACTING CO.
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 101350 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	5000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 101350 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	2000

R. E. HAZARD (Continued) **S102435627**

UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS
UST Name:	UNDERGROUND TANK 101350 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS
UST Name:	UNDERGROUND TANK 101350 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	8
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS
UST Name:	UNDERGROUND TANK 101350 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	4
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

R. E. HAZARD (Continued) **S102435627**

UST Name:	UNDERGROUND TANK 101350 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	6
Capacity Gallons:	1500
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 101350 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	3
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 101350 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	7
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name:	UNDERGROUND TANK 101350 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	101350
Tank Type:	UNKNOWN
Additional Id:	9
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED

R. E. HAZARD (Continued) **S102435627**

Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 24
UST Monitor Method: VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS

UST Name: UNDERGROUND TANK 101350 T015
Last Update: 2012-11-02 14:17:38
Permit Number: 101350
Tank Type: UNKNOWN
Additional Id: 15
Capacity Gallons: 3000
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS
Reg Status: REMOVED
Remove Close Date: 1988-08-18 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 101350 T016
Last Update: 2012-11-02 14:17:38
Permit Number: 101350
Tank Type: UNKNOWN
Additional Id: 16
Capacity Gallons: 5000
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS
Reg Status: REMOVED
Remove Close Date: 1988-08-18 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SAN DIEGO CO. SAM:
Case Number: H01350-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 7/30/1993
Date Began: 6/17/1986

59 **HAZARD CENTER** **CA RGA LUST** **S114631386**
7501 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	HAZARD CENTER	7501 FRIARS RD
2003	HAZARD CENTER	7501 FRIARS RD

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59 **R. E. HAZARD** **CA RGA LUST** **S114673615**
7501 FRIARS ROAD **N/A**
SAN DIEGO, CA

RGA LUST:

1993	R. E. HAZARD	7501 FRIARS ROAD
1992	R. E. HAZARD	7501 FRIARS ROAD

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59 **R. E. HAZARD** **CA RGA LUST** **S114673614**
7501 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	R. E. HAZARD	7501 FRIARS RD
2001	R. E. HAZARD	7501 FRIARS RD
2000	R. E. HAZARD	7501 FRIARS RD
1998	R. E. HAZARD	7501 FRIARS RD
1997	R. E. HAZARD	7501 FRIARS RD
1996	R. E. HAZARD	7501 FRIARS RD
1995	R. E. HAZARD	7501 FRIARS RD
1994	R. E. HAZARD	7501 FRIARS RD

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59 **R.E. HAZARD CONTRACTING CO** **CA RGA LUST** **S114673658**
7501 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD
2011	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD
2010	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD
2009	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD
2008	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD
2007	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD
2006	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD
2005	R.E. HAZARD CONTRACTING CO	7501 FRIARS RD

59 **CROW HAZARD ASSOC. HAZARD CENTER** **RCRA-LQG** **1007199619**
7501 FRIARS ROAD **CAD981693443**
SAN DIEGO, CA 92108

RCRA-LQG:

Date form received by agency:	04/13/1990
Facility name:	CROW HAZARD ASSOC. HAZARD CENTER
Facility address:	7501 FRIARS ROAD SAN DIEGO, CA 92108
EPA ID:	CAD981693443
Mailing address:	PO BOX 229000 SAN DIEGO, CA 92122
Contact:	DAVID B DOLNICK
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	(619) 587-3600
Telephone ext.:	0119
Contact email:	Not reported
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

59 **HAZARD CONTR. MAIN YARD** **CA HIST UST** **U001572759**
7501 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000021526
Facility Type:	Other
Other Type:	CONSTRUCTION YARD
Contact Name:	JIM SCHMAUTZ
Telephone:	6192950051
Owner Name:	R.E. HAZARD CONTRACTING CO.
Owner Address:	P.O. BOX 3217, 7501 FRIARS ROA
Owner City,St,Zip:	SAN DIEGO, CA 92103
Total Tanks:	0009
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	003
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	004
Container Num:	8
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	005
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00002500
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported

HAZARD CONTR. MAIN YARD (Continued) **U001572759**

Leak Detection: Visual

Tank Num: 006
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00001500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 008
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 009
Container Num: 9
Year Installed: Not reported
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

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60 **EDR US Hist Auto Stat** **1015602705**

6956 CAMINO REVUELTOS **N/A**
SAN DIEGO, CA 92111

EDR Historical Auto Stations:
Name: AUTO WERKS EXPRESS
Year: 2003
Address: 6956 CAMINO REVUELTOS

61 **EDR US Hist Auto Stat** **1015609832**
7084 CAMINO DEGRAZIA **N/A**
SAN DIEGO, CA 92111

EDR Historical Auto Stations:
Name: NATIONAL GAS
Year: 2005
Address: 7084 CAMINO DEGRAZIA

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62 **DOUBLE TREE HOTEL** **CA HAZNET** **S112895971**
7450 HAZARD CENTER DR. **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112895971
Year: 1998
GEPAID: CAC001496264
Contact: DOUBLE TREE HOTELS & INNS
Telephone: 3239654900
Mailing Name: Not reported
Mailing Address: 7450 HAZARD CENTER DR.
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .2293
Facility County: San Diego

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62 **HAZARD CENTER DR WESTERLY EXTENSION** **CA NPDES** **S106072377**
7450 HAZARD CENTER DRIVE **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 9
Regulatory Measure Id: 402703
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 9 37C357715
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 03/16/2010
PROCESSED DATE: 03/24/2010
STATUS CODE NAME: Active
STATUS DATE: 03/24/2010

HAZARD CENTER DR WESTERLY EXTENSION (Continued) **S106072377**

PLACE SIZE:	1.88
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Mark Rowson
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	858-602-9984
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	markrowsonldsi@san.rr.com
OPERATOR NAME:	Hazard Center Associates
OPERATOR ADDRESS:	Wilde Building A4 CRI
OPERATOR CITY:	Hartford
OPERATOR STATE:	California
OPERATOR ZIP:	06019
OPERATOR CONTACT NAME:	Michele Kadis
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	860-226-8806
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Hazard Center Associates Land Development Strate
DEVELOPER ADDRESS:	16652 Maverick Ln
DEVELOPER CITY:	Poway
DEVELOPER STATE:	Connecticut
DEVELOPER ZIP:	92064
DEVELOPER CONTACT NAME:	Mark Rowson
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Y
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Y
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Michele Kadis
CERTIFIER TITLE:	Sr Principal
CERTIFICATION DATE:	16-JUN-10
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9

HAZARD CENTER DR WESTERLY EXTENSION (Continued) **S106072377**

Regulatory Measure Id:	402703
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C357715
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/24/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Hazard Center Associates
Discharge Address:	Wilde Building A4 CRI
Discharge City:	Hartford
Discharge State:	California
Discharge Zip:	6019
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported

HAZARD CENTER DR WESTERLY EXTENSION (Continued) **S106072377**

CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	202446
Business Type:	6HK41
EPA Id Number:	Not reported
APN:	438-021-17-00
Last HMMD Inspection:	04/23/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	HILTON HOTELS CORP
Facility Address:	7450 HAZARD CENTER DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	202446
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	DIESEL FUEL OIL NO 2
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	202446
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LATEX PAINT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	202446
Update Date:	11/02/2012

HAZARD CENTER DR WESTERLY EXTENSION (Continued) **S106072377**

Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 202446
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL/ SELF HAULED TO KRAGEN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV4303
Violation: SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation: Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV4309

HAZARD CENTER DR WESTERLY EXTENSION (Continued) **S106072377**

Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE
Facility Id:	202446
Update Date:	11/02/2012
Inspection Date:	05/11/2010
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	202446
Update Date:	11/02/2012
Inspection Date:	02/22/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Facility Id:	202446
Business Type:	6HK41
EPA Id Number:	Not reported
APN:	438-021-17-00
Last HMMD Inspection:	04/23/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	HILTON HOTELS CORP
Facility Address:	7450 HAZARD CENTER DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	202446
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	DIESEL FUEL OIL NO 2
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC
Facility Id:	202446
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LATEX PAINT

HAZARD CENTER DR WESTERLY EXTENSION (Continued) **S106072377**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 202446
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 202446
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL/ SELF HAULED TO KRAGEN
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV4303
Violation: SQG:NO MED WASTE DISPOSAL RECORDS
Violation Citation: Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 2 years (SQG). 117945(b)
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name,

HAZARD CENTER DR WESTERLY EXTENSION (Continued) **S106072377**

address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 05/11/2010
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 202446
Update Date: 11/02/2012
Inspection Date: 02/22/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

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62 **HAZARD CENTER RETAIL INC** **CA HAZNET** **S112979616**
7510 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112979616
Year: 2009
GEPAID: CAC002645039
Contact: DAVE KEARNY
Telephone: 6192475344
Mailing Name: Not reported
Mailing Address: 7676 HAZARD CENTER DR STE 845
Mailing City,St,Zip: SAN DIEGO, CA 921084521
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.3
Facility County: San Diego

62 **NEW IMAGE DENTAL** **CA San Diego Co. HMMD** **S109279678**
7510 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	207560
Business Type:	6HK10
EPA Id Number:	CAL000323824
APN:	438-021-17-00
Last HMMD Inspection:	09/22/2010
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	SCOTT STROMMER DDS,
Facility Address:	7510 HAZARD CENTER DR #203
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	207560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	X-RAY SILVER RECOVERY UNIT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207560
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	CHEMICLAVE VAPO-STERILIZER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

62 **NEW IMAGE DENTAL** **CA HAZNET** **S113149390**
7510 HAZARD CENTER DR STE 203 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113149390
Year:	2009
GEPAID:	CAL000323824
Contact:	SCOTT STROMMER
Telephone:	6192809100
Mailing Name:	Not reported
Mailing Address:	7510 HAZARD CENTER DR STE 203
Mailing City,St,Zip:	SAN DIEGO, CA 921084523
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0165
Facility County:	San Diego

envid:	S113149390
Year:	2008
GEPAID:	CAL000323824
Contact:	SCOTT STROMMER
Telephone:	6192809100
Mailing Name:	Not reported
Mailing Address:	7510 HAZARD CENTER DR STE 203
Mailing City,St,Zip:	SAN DIEGO, CA 921084523
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0144
Facility County:	San Diego

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62 **APADANA CLEANERS** **RCRA-SQG** **1007569126**
7610 HAZARD CENTER DR **CAR000155978**
SAN DIEGO, CA 92108

RCRA-SQG:

Date form received by agency:	08/13/2004
Facility name:	APADANA CLEANERS
Facility address:	7610 HAZARD CENTER DR NO 515 SAN DIEGO, CA 92108
EPA ID:	CAR000155978
Contact:	KAZEM NADERI
Contact address:	7610 HAZARD CENTER DR NO 515 SAN DIEGO, CA 92108
Contact country:	US
Contact telephone:	619-298-2928
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of

APADANA CLEANERS (Continued) **1007569126**

hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: APADANA GROUP INC
Owner/operator address: 7610 HAZARD CENTER DR STE 515
SAN DIEGO, CA 92108
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 08/20/1992
Owner/Op end date: Not reported

Owner/operator name: APADANA GROUP INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 08/20/1992
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

62 **APADANA CLEANERS** **RCRA-SQG** **1000818745**
7610 HAZARD CENTER DR STE 513 **FINDS** **CAD983646555**
SAN DIEGO, CA 92108 **CA DRYCLEANERS**
CA HAZNET

RCRA-SQG:
Date form received by agency: 08/25/1992
Facility name: APADANA CLEANERS
Facility address: 7610 HAZARD CENTER DR STE 513
SAN DIEGO, CA 92108
EPA ID: CAD983646555
Mailing address: HAZARD CENTER DR STE 513
SAN DIEGO, CA 92108
Contact: SASSAN RAHIMZADEH
Contact address: 7610 HAZARD CENTER DR STE 513
SAN DIEGO, CA 92108
Contact country: US
Contact telephone: (619) 298-2928
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: SAEED RAHIMZADEH
Owner/operator address: 7610 HAZARD CENTER DR STE 513
SAN DIEGO, CA 92108
Owner/operator country: Not reported
Owner/operator telephone: (619) 298-2928
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

APADANA CLEANERS (Continued) **1000818745**

Registry ID: 110002883443

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

DRYCLEANERS:

EPA Id:	CAD983646555
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	08/25/1992
Facility Active:	No
Inactive Date:	06/30/2007
Facility Addr2:	Not reported
Owner Name:	APADANA GROUP, INC.
Owner Address:	7610 HAZARD CENTER DR #515
Owner Address 2:	Not reported
Owner Telephone:	6192982928
Contact Name:	KAZEM NADERI MANAGER
Contact Address:	7610 HAZARD CENTER DR STE 515
Contact Address 2:	Not reported
Contact Telephone:	6192982928
Mailing Name:	Not reported
Mailing Address 1:	7610 HAZARD CTR DR STE 515
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921080000
Owner Fax:	Not reported
Region Code:	Not reported

HAZNET:

envid:	1000818745
Year:	2004
GEPAID:	CAD983646555
Contact:	KAZEM NADERI MANAGER
Telephone:	6192982928
Mailing Name:	Not reported
Mailing Address:	7610 HAZARD CTR DR STE 515
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613893

APADANA CLEANERS (Continued) **1000818745**

TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.87
Facility County: San Diego

envid: 1000818745
Year: 2003
GEPAID: CAD983646555
Contact: KAZEM NADERI MANAGER
Telephone: 6192982928
Mailing Name: Not reported
Mailing Address: 7610 HAZARD CTR DR STE 515
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.97
Facility County: San Diego

envid: 1000818745
Year: 2002
GEPAID: CAD983646555
Contact: KAZEM NADERI MANAGER
Telephone: 6192982928
Mailing Name: Not reported
Mailing Address: 7610 HAZARD CTR DR STE 515
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.39
Facility County: San Diego

envid: 1000818745
Year: 2002
GEPAID: CAD983646555
Contact: KAZEM NADERI MANAGER
Telephone: 6192982928
Mailing Name: Not reported
Mailing Address: 7610 HAZARD CTR DR STE 515
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.58
Facility County: San Diego

envid: 1000818745
Year: 2001
GEPAID: CAD983646555

APADANA CLEANERS (Continued) **1000818745**

Contact:	KAZEM NADERI MANAGER
Telephone:	6192982928
Mailing Name:	Not reported
Mailing Address:	7610 HAZARD CTR DR STE 515
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	1.13
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

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62 **ONE HOUR DOUBLE PHOTO** **CA San Diego Co. HMMD** **S106063348**
7610 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	203242
Business Type:	6HK53
EPA Id Number:	CAR000155978
APN:	438-021-20-00
Last HMMD Inspection:	10/22/2010
Permit Status:	INAC
Permit Expiration:	09/30/2010
Facility Owner:	APADANA GROUP INC
Facility Address:	7610 HAZARD CTR DR #515
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	203242
Update Date:	11/02/2012
Inspection Date:	02/17/2009
Violation Code:	6HV1016
Violation:	ER RESPONSE PLAN NOT ADEQUATE
Violation Citation:	Failure to have an adequate emergency response plan 25504 (b); 2731
Activity:	Inactive Permit

Facility Id:	131651
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	438-021-20-00
Last HMMD Inspection:	05/23/1991
Permit Status:	INAC
Permit Expiration:	05/23/1991

ONE HOUR DOUBLE PHOTO (Continued) **S106063348**

Facility Owner:	KEVORK MATOSSIAN
Facility Address:	7610 HAZARD CENTER DR #517
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-4529
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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62 **APADANA CLEANERS** **CA San Diego Co. HMMD** **S106063740**
7610 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	132987
Business Type:	6HK53
EPA Id Number:	CAD983646555
APN:	438-021-20-00
Last HMMD Inspection:	12/18/2002
Permit Status:	INAC
Permit Expiration:	09/30/2004
Facility Owner:	APADANA GROUP, INC
Facility Address:	7610 HAZARD CENTER DR #513
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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62 **APADANA CLEANERS** **CA HAZNET** **S113177643**
7610 HAZARD CENTER DR NO 515 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113177643
Year:	2013
GEPAID:	CAR000155978
Contact:	KAZEM NADERI
Telephone:	6192982928
Mailing Name:	Not reported
Mailing Address:	7610 HAZARD CTR DR #515
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	TXD077603371
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

APADANA CLEANERS (Continued) **S113177643**

(H010-H129) Or (H131-H135)
Tons: 0.19
Facility County: Not reported

envid: S113177643
Year: 2010
GEPAID: CAR000155978
Contact: KAZEM NADERI
Telephone: 6192982928
Mailing Name: Not reported
Mailing Address: 7610 HAZARD CTR DR #515
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.345
Facility County: San Diego

envid: S113177643
Year: 2009
GEPAID: CAR000155978
Contact: KAZEM NADERI
Telephone: 6192982928
Mailing Name: Not reported
Mailing Address: 7610 HAZARD CENTER DR NO 515
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.3925
Facility County: San Diego

envid: S113177643
Year: 2008
GEPAID: CAR000155978
Contact: KAZEM NADERI
Telephone: 6192982928
Mailing Name: Not reported
Mailing Address: 7610 HAZARD CENTER DR NO 515
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.54
Facility County: San Diego

envid: S113177643
Year: 2007

APADANA CLEANERS (Continued) **S113177643**

GEPAID:	CAR000155978
Contact:	KAZEM NADERI
Telephone:	6192982928
Mailing Name:	Not reported
Mailing Address:	7610 HAZARD CENTER DR NO 515
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.78
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

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62 **APADANA CLEANERS** **CA EMI** **S109280540**
7610 HAZARD CENTER DR # 515 **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	91456
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	91456
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002

APADANA CLEANERS (Continued) **S109280540**

County Code:	37
Air Basin:	SD
Facility ID:	91456
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	91456
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	91456
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.215325
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	91456
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD

APADANA CLEANERS (Continued) **S109280540**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.45
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	91456
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.215325
Reactive Organic Gases Tons/Yr:	.150426045
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

APADANA CLEANERS (Continued) **S109280540**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.45
Reactive Organic Gases Tons/Yr:	.31437
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.45
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.45000000000000001
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37

APADANA CLEANERS (Continued) **S109280540**

Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.45000000000000001
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.45
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	9743
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.45
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

62 **EDR US Hist Cleaners** **1015094291**
7610 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:

Name:	APADANA CLEANERS
Year:	1999
Address:	7610 HAZARD CENTER DR
Name:	APADANA CLEANERS
Year:	2000
Address:	7610 HAZARD CENTER DR
Name:	APADANA CLEANERS
Year:	2002
Address:	7610 HAZARD CENTER DR
Name:	APADANA CLEANERS
Year:	2003
Address:	7610 HAZARD CENTER DR
Name:	APADANA CLEANERS
Year:	2010
Address:	7610 HAZARD CENTER DR

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62 **CA CHMIRS** **S100277122**
7676 HAZARD CENTER ROAD **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	9114956
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	14-JAN-91
Date Completed:	**14-JAN-91**
Property Use:	099
Agency Id Number:	37140
Agency Incident Number:	35139
Time Notified:	904
Time Completed:	1001
Surrounding Area:	600
Estimated Temperature:	68
Property Management:	P
Special Studies 4:	B
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	1
Others Number Of Injuries:	1
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	JERRY GRAY
Report Date:	14-JAN-91

(Continued) **S100277122**

Facility Telephone:	619 533-4300
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	09-JUN-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Y
Description:	Not reported

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62 **HAZARD CENTER OFFICE TOWER** **CA San Diego Co. HMMD** **S106068876**
7676 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	204838
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	438-021-13-00
Last HMMD Inspection:	06/06/2011
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	7510 HAZARD, LLC
Facility Address:	7676 HAZARD CNTR DR #845
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported

HAZARD CENTER OFFICE TOWER (Continued) **S106068876**

Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	204838
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	#2
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	204838
Update Date:	11/02/2012
Inspection Date:	04/04/2007
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

Facility Id:	204838
Update Date:	11/02/2012
Inspection Date:	05/06/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE

Facility Id:	154158
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-021-13-00
Last HMMD Inspection:	01/06/1998
Permit Status:	INAC
Permit Expiration:	10/31/1998
Facility Owner:	DEV ANUROOP BRAR
Facility Address:	7676 HAZARDS CENTER DR #500
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

62 **ERNS** **91201961**
7676 HAZARD CENTER RD **N/A**
HAZARD, CA 92037

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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62 **CA CHMIRS** **S105655775**
MISSION CENTER ROAD AT HAZARD CENTER DRIVE **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	98-2764
OES notification:	06/16/1998
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego River
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	City of San Diego Waste Water Collections
Incident Date:	6/16/199812:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported

(Continued) **S105655775**

Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	sewage
Gallons:	1,800
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Clogged line. The release has been stopped.

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62 **CA CHMIRS** **S110981090**
N/A

HAZARD CENTER DRIVE AT FRAZEE ROAD
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	’10-4963
OES notification:	08/19/2010
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

(Continued) **S110981090**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	100
Year:	2010
Agency:	San Diego Gas and Electric
Incident Date:	8/19/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Transformer Oil
Quantity Released:	48
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	An equipment failure caused the spill of oil on a pad mounted transformer.

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62 **CA CHMIRS** **S105643126**
MISSION CENTER RD AND HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	016767
OES notification:	Not reported
OES Date:	12/3/1996
OES Time:	01:05:11 AM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S105643126**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	storm drain to san diego river
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	SEWAGE
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	wastewater collections
Incident Date:	1554/12-2-96
Admin Agency:	Not reported
Amount:	1180 gallons
Contained:	YES
Site Type:	RD
E Date:	Not reported
Substance:	sewage
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	sewer stopped up by grease.

62 **FOOD 4 LESS #333** **FINDS** **1016420284**
7730 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110055673855

Environmental Interest/Information System
STATE MASTER

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62 **FOOD 4 LESS #333** **CA SWRCY** **S109426494**
7730 HAZARD CENTER DR **CA CHMIRS** **N/A**
SAN DIEGO, CA 92108 **CA San Diego Co. HMMD**

SWRCY:

Reg Id:	156639
Cert Id:	RC156639.001
Mailing Address:	800 N Haven Ave Suite 120
Mailing City:	Ontario
Mailing State:	CA
Mailing Zip Code:	91764
Website:	http://www.replanetusa.com
Email:	jennifer.june@replanet.com
Phone Number:	(951) 520-1700
Grand Father:	N
Rural:	N
Operation Begin Date:	05/01/2012
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	CLOSED
Tuesday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm - 1:30 pm
Wednesday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm - 1:30 pm
Thursday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm - 1:30 pm
Friday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm - 1:30 pm
Saturday Hours Of Operation:	8:00 am - 5:00 pm; Closed 1:00 pm - 1:30 pm
Sunday Hours Of Operation:	CLOSED
Organization ID:	151891
Organization Name:	rePLANET LLC

CHMIRS:

OES Incident Number:	11-0523
OES notification:	01/26/2011
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

FOOD 4 LESS #333 (Continued) **S109426494**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1218
Year:	2011
Agency:	City of San Diego
Incident Date:	1/26/2011
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Storm Drain
E Date:	Not reported
Substance:	Sewage
Quantity Released:	155
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states substance released from a clean-out due to the lateral being blocked. Caller states 135 gallons was recovered of the initial release. Caller states the remaining 20 gallons went into the storm drain.

FOOD 4 LESS #333 (Continued) **S109426494**

SAN DIEGO CO. HMMD:

Facility Id:	211216
Business Type:	6HK42
EPA Id Number:	CAL000320535
APN:	438-021-15-00
Last HMMD Inspection:	04/18/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	RALPHS GROCERY CO
Facility Address:	PO BOX 54143
Facility City:	LOS ANGELES
Facility State:	CA
Facility Zip:	90054-0143
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 791 LIQUIDS WITH PH <OR= 2
Other Information:	CORROISVE - ACIDIC
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	CORROSIVE - BASES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information:	RETURN & BROKEN ITEMS-CORROSIVES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	75-45-6
Name:	FREON 22
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

FOOD 4 LESS #333 (Continued) **S109426494**

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	FLAMMABLE SOLIDS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	AEROSOLS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	RETURNS & BROKEN ITEMS-FLAMMABLE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	75-45-6
Name:	FREON 404A
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Violations Active Permits:

Facility Id:	211216
Update Date:	11/02/2012
Inspection Date:	10/26/2010
Violation Code:	6HV1016
Violation:	ER RESPONSE PLAN NOT ADEQUATE
Violation Citation:	Failure to have an adequate emergency response plan 25504 (b); 2731
Activity:	ACTIVE

Facility Id:	211216
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV0408
Violation:	FAILED TO POST ER PLAN BY PHONE
Violation Citation:	Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity:	ACTIVE

Facility Id:	211216
Update Date:	11/02/2012
Inspection Date:	12/11/2009

FOOD 4 LESS #333 (Continued) **S109426494**

Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	211216
Update Date:	11/02/2012
Inspection Date:	10/26/2010
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	211216
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV0409
Violation:	NO SPILL/FIRE CONTROL EQUIPMENT
Violation Citation:	Spill/fire control equip not available for small quantity generator of hazardous waste. CFR 265.32(c)
Activity:	ACTIVE
Facility Id:	211216
Update Date:	11/02/2012
Inspection Date:	12/11/2009
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	211216
Business Type:	6HK42
EPA Id Number:	CAL000320535
APN:	438-021-15-00
Last HMMD Inspection:	04/18/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	RALPHS GROCERY CO
Facility Address:	PO BOX 54143
Facility City:	LOS ANGELES
Facility State:	CA
Facility Zip:	90054-0143
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	211216
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 791 LIQUIDS WITH PH <OR= 2

FOOD 4 LESS #333 (Continued) **S109426494**

Other Information: CORROISVE - ACIDIC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211216
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: CORROSIVE - BASES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211216
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 141 OFF-SPEC,AGED,SURPL INORGANICS
Other Information: RETURN & BROKEN ITEMS-CORROSIVES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211216
Update Date: 11/02/2012
Case Number: 75-45-6
Name: FREON 22
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 211216
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: FLAMMABLE SOLIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211216
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211216
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: RETURNS & BROKEN ITEMS-FLAMMABLE
Material Waste: Waste
Hazardous Categories 1: Not reported

FOOD 4 LESS #333 (Continued) **S109426494**

Hazardous Categories 2: Not reported

Facility Id: 211216
Update Date: 11/02/2012
Case Number: 75-45-6
Name: FREON 404A
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Violations Active Permits:

Facility Id: 211216
Update Date: 11/02/2012
Inspection Date: 10/26/2010
Violation Code: 6HV1016
Violation: ER RESPONSE PLAN NOT ADEQUATE
Violation Citation: Failure to have an adequate emergency response plan 25504 (b); 2731
Activity: ACTIVE

Facility Id: 211216
Update Date: 11/02/2012
Inspection Date: 12/11/2009
Violation Code: 6HV0408
Violation: FAILED TO POST ER PLAN BY PHONE
Violation Citation: Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity: ACTIVE

Facility Id: 211216
Update Date: 11/02/2012
Inspection Date: 12/11/2009
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 211216
Update Date: 11/02/2012
Inspection Date: 10/26/2010
Violation Code: 6HV1015
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Did not have adequate employee training program 2732 &/or 25504(c)
Activity: ACTIVE

Facility Id: 211216
Update Date: 11/02/2012
Inspection Date: 12/11/2009
Violation Code: 6HV0409
Violation: NO SPILL/FIRE CONTROL EQUIPMENT
Violation Citation: Spill/fire control equip not available for small quantity generator of hazardous waste. CFR 265.32(c)
Activity: ACTIVE

Facility Id: 211216
Update Date: 11/02/2012

FOOD 4 LESS #333 (Continued) **S109426494**

Inspection Date:	12/11/2009
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE

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62 **FOOD 4 LESS #333** **CA HAZNET** **S113147933**
7730 HAZARD CENTER DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113147933
Year:	2013
GEPAID:	CAL000320535
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.037
Facility County:	Not reported

envid:	S113147933
Year:	2013
GEPAID:	CAL000320535
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.011
Facility County:	Not reported

envid:	S113147933
Year:	2013
GEPAID:	CAL000320535
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles

FOOD 4 LESS #333 (Continued) **S113147933**

Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.015
Facility County:	Not reported

envid:	S113147933
Year:	2013
GEPAID:	CAL000320535
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1205
Facility County:	Not reported

envid:	S113147933
Year:	2013
GEPAID:	CAL000320535
Contact:	MELISSA PENA
Telephone:	3108844016
Mailing Name:	Not reported
Mailing Address:	1100 W. Artesia Blvd.
Mailing City,St,Zip:	Compton, CA 902200000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.016
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

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62 **MISSION VALLEY MEDICAL CLINIC** **CA San Diego Co. HMMD** **S106068233**
5333 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153273
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-170-10-00
Last HMMD Inspection:	08/13/2010
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	MISSION VALLEY MEDICAL CENTER
Facility Address:	5333 MISSION CENTER RD #100
Facility City:	SAN DIEGO
Facility State:	CA

MISSION VALLEY MEDICAL CLINIC (Continued) **S106068233**

Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 153273
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 153273
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: SAN DIEGO X-RAY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 153273
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 153273
Update Date: 11/02/2012
Inspection Date: 06/29/2007
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

62 **UNIVERSAL SCHOOLS & COLLEGES OF HHS** **CA San Diego Co. HMMD** **S106879523**
5353 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	203881
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-170-10-00
Last HMMD Inspection:	09/17/2010
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	KIM ESQUERRE
Facility Address:	2023 CHICAGO AVE, #B-1
Facility City:	RIVERSIDE
Facility State:	CA
Facility Zip:	92507
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inactive Permits:

Facility Id:	203881
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	203881
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	203881
Update Date:	11/02/2012
Inspection Date:	09/17/2010
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

Facility Id:	203881
Update Date:	11/02/2012
Inspection Date:	08/15/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS

UNIVERSAL SCHOOLS & COLLEGES OF HHS (Continued) **S106879523**

Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	203881
Update Date:	11/02/2012
Inspection Date:	09/17/2010
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	203881
Update Date:	11/02/2012
Inspection Date:	09/17/2010
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	ACTIVE
Facility Id:	203881
Update Date:	11/02/2012
Inspection Date:	09/17/2010
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	203881
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-170-10-00
Last HMMD Inspection:	09/17/2010
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	KIM ESQUERRE
Facility Address:	2023 CHICAGO AVE, #B-1
Facility City:	RIVERSIDE
Facility State:	CA
Facility Zip:	92507
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	203881
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAGS

UNIVERSAL SCHOOLS & COLLEGES OF HHS (Continued) **S106879523**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 203881
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 203881
Update Date: 11/02/2012
Inspection Date: 09/17/2010
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

Facility Id: 203881
Update Date: 11/02/2012
Inspection Date: 08/15/2007
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 203881
Update Date: 11/02/2012
Inspection Date: 09/17/2010
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 203881
Update Date: 11/02/2012
Inspection Date: 09/17/2010
Violation Code: 6HV4213
Violation: NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation: Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity: ACTIVE

Facility Id: 203881
Update Date: 11/02/2012
Inspection Date: 09/17/2010
Violation Code: 6HV4212
Violation: RED BAGS NOT CONTAINERIZED
Violation Citation: Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)

UNIVERSAL SCHOOLS & COLLEGES OF HHS (Continued) **S106879523**

Activity: ACTIVE

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62 **SENTRE PARTNERS INC** **CA HAZNET** **S112972286**
5353 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112972286
Year:	2008
GEPAID:	CAC002633565
Contact:	TAM ENNIS
Telephone:	8588743407
Mailing Name:	Not reported
Mailing Address:	5353 MISSION CENTER RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	13.6
Facility County:	San Diego

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63 **UNIVERSITY OF SAN DIEGO** **CA HIST CORTESE** **S102439668**
5998 LINDA VISTA RD **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT357

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT357
Local Case:	H21155-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Remove Contents
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/30/1986
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported

UNIVERSITY OF SAN DIEGO (Continued) **S102439668**

Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/31/1986
Enforce Date: Not reported
Closed Date: 12/31/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.50
GW Depth: 200'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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64 **USD CUNNINGHAM FIELD EXTERIOR RENOVATIONS** **CA NPDES** **S103979330**
5998 ALCALA PARK **CA SLIC** **N/A**
SAN DIEGO, CA 92119

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	9
Regulatory Measure Id:	423431
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 36C362914
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/01/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/31/2014
Discharge Name:	University of San Diego
Discharge Address:	5998 Alcala Park
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92110
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported

USD CUNNINGHAM FIELD EXTERIOR RENOVATIONS (Continued) **S103979330**

OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	423431
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 36C362914
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	01/31/2014
Discharge Name:	Not reported
Discharge Address:	Not reported

USD CUNNINGHAM FIELD EXTERIOR RENOVATIONS (Continued) **S103979330**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	01/27/2012
PROCESSED DATE:	02/01/2012
STATUS CODE NAME:	Terminated
STATUS DATE:	01/31/2014
PLACE SIZE:	1.66
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Roger Manion
FACILITY CONTACT TITLE:	Assistant VP for Facilities
FACILITY CONTACT PHONE:	619-260-4666
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	manion@sandiego.edu
OPERATOR NAME:	University of San Diego
OPERATOR ADDRESS:	5998 Alcala Park
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92110
OPERATOR CONTACT NAME:	Mark Norita
OPERATOR CONTACT TITLE:	Assistant VP for Facilities
OPERATOR CONTACT PHONE:	619-260-4666
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	mnorita@sandiego.edu
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	University of San Diego
DEVELOPER ADDRESS:	5998 Alcala Park
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92110
DEVELOPER CONTACT NAME:	Mark Norita
DEVELOPER CONTACT TITLE:	Assistant VP for Facilities
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	619-260-4666
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Y
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Tecolote Canyon
CERTIFIER NAME:	Roger Manion
CERTIFIER TITLE:	Assistant VP Facilities
CERTIFICATION DATE:	27-JAN-12
PRIMARY SIC:	Not reported

USD CUNNINGHAM FIELD EXTERIOR RENOVATIONS (Continued) **S103979330**

SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/29/1986
Global Id:	T0607302337
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21155-001
Latitude:	32.770772
Longitude:	-117.193917
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT357
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/05/2007
Global Id:	T06019789448
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21155-002
Latitude:	32.771381
Longitude:	-117.186023
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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64 **UNIVERSITY OF SAN DIEGO** **CA AST** **S107619940**
5998 ALCALA PK **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110 **CA SAN DIEGO CO. SAM**

AST:

Certified Unified Program Agencies:	San Diego
Owner:	UNIVERSITY OF SAN DIEGO
Total Gallons:	11372

SAN DIEGO CO. HMMD:

Facility Id:	121155
Business Type:	6HK63
EPA Id Number:	CAD982033888
APN:	436-280-10-00
Last HMMD Inspection:	10/21/2011

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	UNIVERSITY OF SAN DIEGO
Facility Address:	5998 ALCALA PK
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-
UST Owner:	UNIVERSITY OF SAN DIEGO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121155 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	SINGLE WALL
Additional Id:	AT5360
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	Not reported
Reg Status:	Not reported
Remove Close Date:	2008-06-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION

UST Name:	UNDERGROUND TANK 121155 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	UNKNOWN
Additional Id:	T.C. #1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121155 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	UNKNOWN
Additional Id:	#1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1954-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121155 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	UNKNOWN
Additional Id:	SERRA #1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121155 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	DOUBLE WALL
Additional Id:	002
Capacity Gallons:	2500
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 121155 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	DOUBLE WALL
Additional Id:	0005 WASTE OIL
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-12-08 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 13463-67-7
Name: LATEX PAINT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 121155 T004
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ENGINE COOLANT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	US FILTER RECOVERY SERVICES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN, N2 99%, COMPRESSED
Other Information:	GAS
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	FLAMMABLE LAB WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7681-52-9
Name:	SODIUM HYPOCHLORITE; 12.5%: POOL CHLORINE LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	LABORATORY, BASE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING: MOTOR OIL UBE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, O2, 99%, COMPRESSED GAS:
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7664-38-2
Name:	PHOSPHORIC ACID
Other Information:	<50% CLEANER/WT 550/DESCALER
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 112 ACID SOL'N W/OUT METALS - R
Other Information:	LABORATORY, ACID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	1333-74-0
Name:	HYDROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	ACETONE, CH3COCH3, 99%
Other Information:	Not reported
Material Waste:	Material

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON CARBON DIOXIDE MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: CARB DIESEL #2
Other Information: DIESEL/EMERGENCY GENERATORS (8)
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 7446.59.7
Name: HELIUM, HE, 99%, COMPRESSED GAS:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 151 ASBESTOS CONTAINING WASTE
Other Information: ASBESTOS/HAULER-CASPER CO
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: CONTAMINATED RAGS/ASBORBENT (WASTE FLAMMABLE SOLIDS)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	STUDENT LAB & PRINT SHOP
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information:	WASTE FERRIE CHLORIDE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	ISOLYSER USED - 200 TRT MTD
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AIR, COMPRESSED GAS MIXTURE.
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	124.38.9
Name:	CARBON DIOXIDE;CO2,99% COMPRESSED
Other Information:	GAS & LIQUIFIED COMPRESSEDGAS.
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	74-84-0
Name:	ETHYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7727-37-9

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Name: NITROGEN LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CRYOGENIC
Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID 50-50%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB CHEMICALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/21/2011
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/21/2004
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/30/2007
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/30/2007

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0217
Violation:	HAZMAT CON. NOT REPACKAGED WI 96 HRS.
Violation Citation:	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2005
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/13/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/21/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2005
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire,

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

explosion or release. CCR 66265.31
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/25/2005
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/25/2006
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/15/2003
Violation Code: 6HV0204
Violation: WASTE CONTAINER:IMPROPER MGMT
Violation Citation: Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/12/2009
Violation Code: 6HV0221
Violation: DID NOT COMPLY W/SATELLITE REGS.
Violation Citation: Failed to comply with satellite regulations. 66262.34(e)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/30/2007
Violation Code: 6HV0221
Violation: DID NOT COMPLY W/SATELLITE REGS.
Violation Citation: Failed to comply with satellite regulations. 66262.34(e)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/18/2010
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Facility Id: 121155
Update Date: 11/02/2012
Inspection Date: 10/21/2004

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/13/2008
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/15/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/12/2009
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/13/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

	or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2005
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/15/2003
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0306
Violation:	ILLEGAL DISPOSAL OF LATEX PAINT
Violation Citation:	Disposed of latex paint illegally. 25217.1
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2006
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/15/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/12/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2006
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/18/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	121155
Business Type:	6HK63
EPA Id Number:	CAD982033888
APN:	436-280-10-00
Last HMMD Inspection:	10/21/2011
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	UNIVERSITY OF SAN DIEGO
Facility Address:	5998 ALCALA PK
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-
UST Owner:	UNIVERSITY OF SAN DIEGO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121155 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	SINGLE WALL
Additional Id:	AT5360
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	Not reported
Reg Status:	Not reported
Remove Close Date:	2008-06-10 00:00:00

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION
UST Name:	UNDERGROUND TANK 121155 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	UNKNOWN
Additional Id:	T.C. #1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121155 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	UNKNOWN
Additional Id:	#1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1954-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121155 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	UNKNOWN
Additional Id:	SERRA #1
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	CLOSED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1956-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

UST Name:	UNDERGROUND TANK 121155 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	DOUBLE WALL
Additional Id:	002
Capacity Gallons:	2500
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 121155 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121155
Tank Type:	DOUBLE WALL
Additional Id:	0005 WASTE OIL
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-12-08 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	13463-67-7
Name:	LATEX PAINT

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 121155 T004
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED ENGINE COOLANT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	US FILTER RECOVERY SERVICES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN, N2 99%, COMPRESSED
Other Information:	GAS
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: FLAMMABLE LAB WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 7681-52-9
Name: SODIUM HYPOCHLORITE; 12.5%: POOL CHLORINE LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information: LABORATORY, BASE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING: MOTOR OIL UBE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, O2, 99%, COMPRESSED GAS:
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121155

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Update Date:	11/02/2012
Case Number:	7664-38-2
Name:	PHOSPHORIC ACID
Other Information:	<50% CLEANER/WT 550/DESCALER
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 112 ACID SOL'N W/OUT METALS - R
Other Information:	LABORATORY, ACID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	1333-74-0
Name:	HYDROGEN
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	ACETONE, CH3COCH3, 99%
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON CARBON DIOXIDE MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	CARB DIESEL #2
Other Information:	DIESEL/EMERGENCY GENERATORS (8)
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	121155
Update Date:	11/02/2012
Case Number:	7446.59.7
Name:	HELIUM, HE, 99%, COMPRESSED GAS:

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Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 151 ASBESTOS CONTAINING WASTE
Other Information:	ASBESTOS/HAULER-CASPER CO
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information:	CONTAMINATED RAGS/ASBORBENT (WASTE FLAMMABLE SOLIDS)
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	STUDENT LAB & PRINT SHOP
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 792 LIQUIDS W/PH <OR= 2 W/METALS
Other Information:	WASTE FERRIE CHLORIDE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	121155
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	ISOLYSER USED - 200 TRT MTD
Material Waste:	Waste
Hazardous Categories 1:	Not reported

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AIR, COMPRESSED GAS MIXTURE.
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 124.38.9
Name: CARBON DIOXIDE;CO2,99% COMPRESSED
Other Information: GAS & LIQUIFIED COMPRESSEDGAS.
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 74-84-0
Name: ETHYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN LIQUID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CRYOGENIC
Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID 50-50%
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: ACUTE

Facility Id: 121155
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB CHEMICALS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Violations Active Permits:

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/21/2011
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/21/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0307
Violation:	ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation:	Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0217
Violation:	HAZMAT CON. NOT REPACKAGED WI 96 HRS.
Violation Citation:	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2005
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/13/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/21/2004
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2005
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2005
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2006
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/15/2003
Violation Code:	6HV0204

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Violation:	WASTE CONTAINER:IMPROPER MGMT
Violation Citation:	Hazardous waste storage container is not handled or stored in a manner which will prevent leaks or rupture. CCR 66265.173
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/12/2009
Violation Code:	6HV0221
Violation:	DID NOT COMPLY W/SATELLITE REGS.
Violation Citation:	Failed to comply with satellite regulations. 66262.34(e)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0221
Violation:	DID NOT COMPLY W/SATELLITE REGS.
Violation Citation:	Failed to comply with satellite regulations. 66262.34(e)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/18/2010
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/21/2004
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/13/2008
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/15/2003
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/12/2009
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/13/2008
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2005
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

Inspection Date:	10/15/2003
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/30/2007
Violation Code:	6HV0306
Violation:	ILLEGAL DISPOSAL OF LATEX PAINT
Violation Citation:	Disposed of latex paint illegally. 25217.1
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2006
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/15/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/12/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/25/2006
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	121155
Update Date:	11/02/2012
Inspection Date:	10/18/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank.

UNIVERSITY OF SAN DIEGO (Continued) **S107619940**

66262.34(f)
Activity: ACTIVE

SAN DIEGO CO. SAM:
Case Number: H21155-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/29/1986
Date Began: 7/31/1986

Case Number: H21155-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/5/2007
Date Began: 10/26/2005

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65 **MACY'S #556** **CA San Diego Co. HMMD** **S103975883**
1555 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 210913
Business Type: 6HK18
EPA Id Number: CAD073359895
APN: 438-030-50-00
Last HMMD Inspection: 04/10/2012
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: MACY'S WEST STORES, INC
Facility Address: 7 WEST 7TH ST
Facility City: CINCINNATI
Facility State: OH
Facility Zip: 45202
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 210913
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: GENERATED FROM CHILLER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

MACY'S #556 (Continued) **S103975883**

Facility Id:	210913
Update Date:	11/02/2012
Inspection Date:	04/10/2012
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE

Facility Id:	210913
Update Date:	11/02/2012
Inspection Date:	04/10/2012
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE

Facility Id:	117017
Business Type:	Not reported
EPA Id Number:	CAD073359895
APN:	438-030-50-00
Last HMMD Inspection:	03/08/1989
Permit Status:	INAC
Permit Expiration:	03/08/1989
Facility Owner:	FEDERATED DEPARTMENT STORES
Facility Address:	1555 CAMINO DE LA REINA
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1501
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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65 **MACY'S WEST 158A** **CA HAZNET** **S113001637**
1555 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113001637
Year:	2013
GEPAID:	CAD073359895
Contact:	Monica Ng
Telephone:	7326315578
Mailing Name:	Not reported
Mailing Address:	755 ROUTE 18 SOUTH
Mailing City,St,Zip:	EAST BRUNSWICK, NJ 088160000
Gen County:	San Diego
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.38
Facility County:	Not reported

MACY'S WEST 158A (Continued) **S113001637**

envid: S113001637
Year: 2012
GEPAID: CAD073359895
Contact: KEVIN BANAHAN
Telephone: 6464294147
Mailing Name: Not reported
Mailing Address: 755 ROUTE 18 SOUTH
Mailing City,St,Zip: EAST BRUNSWICK, NJ 088160000
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.175
Facility County: San Diego

envid: S113001637
Year: 2012
GEPAID: CAD073359895
Contact: KEVIN BANAHAN
Telephone: 6464294147
Mailing Name: Not reported
Mailing Address: 755 ROUTE 18 SOUTH
Mailing City,St,Zip: EAST BRUNSWICK, NJ 088160000
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.175
Facility County: San Diego

envid: S113001637
Year: 2012
GEPAID: CAD073359895
Contact: KEVIN BANAHAN
Telephone: 6464294147
Mailing Name: Not reported
Mailing Address: 755 ROUTE 18 SOUTH
Mailing City,St,Zip: EAST BRUNSWICK, NJ 088160000
Gen County: San Diego
TSD EPA ID: CAD044429835
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.175
Facility County: San Diego

envid: S113001637
Year: 2011
GEPAID: CAD073359895
Contact: Macy's Facility Management
Telephone: 7326315578
Mailing Name: Not reported

MACY'S WEST 158A (Continued) **S113001637**

Mailing Address: 755 ROUTE 18
Mailing City,St,Zip: EAST BRUNSWICK, NJ 88160000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
20 additional CA_HAZNET: record(s) in the EDR Site Report.

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65 **BULLOCK'S/MACY'S WEST (MISSION VALLEY)** **CA HAZNET** **S113059951**
1555 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113059951
Year: 2000
GEPAID: CAL000100396
Contact: JILL RICE CRAGO/STORE MANAGER
Telephone: 6192999811
Mailing Name: Not reported
Mailing Address: 1555 CAMINO DE LA REINA
Mailing City,St,Zip: SAN DIEGO, CA 921081501
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.84
Facility County: San Diego

envid: S113059951
Year: 1993
GEPAID: CAL000100396
Contact: FEDERATED DEPT STORES INC
Telephone: 5135797078
Mailing Name: Not reported
Mailing Address: 1555 CAMINO DE LA REINA
Mailing City,St,Zip: SAN DIEGO, CA 921081501
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Not reported
Tons: 4.10000000000
Facility County: San Diego

envid: S113059951
Year: 1993
GEPAID: CAL000100396
Contact: FEDERATED DEPT STORES INC
Telephone: 5135797078
Mailing Name: Not reported
Mailing Address: 1555 CAMINO DE LA REINA

BULLOCK'S/MACY'S WEST (MISSION VALLEY) (Continued) **S113059951**

Mailing City,St,Zip: SAN DIEGO, CA 921081501
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Tons: 0.7923
Facility County: San Diego

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65 **BULLOCK'S MISSION VALLEY MALL** **FTTS** **1006282538**
1555 COMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

FTTS INSP:
Inspection Number: 1991112601231 1
Region: 09
Inspection Date: 11/26/91
Inspector: LGARCIA
Violation occurred: No
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

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66 **RUDLUFF, CAROLINE M.** **CA HIST CORTESE** **S105026140**
5052 34TH **N/A**
SAN DIEGO, CA 92116

HIST CORTESE:
Region: CORTESE
Facility County Code: 18
Reg By: WBC&D
Reg Id: 6A189103N51

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67 **RELIEF VALVE CLAPPERS** **CA Notify 65** **S100178438**
I-5 AND S.D. RIVER CHANNE **N/A**
SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

67 **SEARS WAREHOUSE** **CA SWEEPS UST** **S104751046**
5258 ANNA ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110 **CA SAN DIEGO CO. SAM**

SWEEPS UST:

Status:	Active
Comp Number:	26468
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	26468
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-026468-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	26468
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-026468-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	126468
Business Type:	Not reported

SEARS WAREHOUSE (Continued) **S104751046**

EPA Id Number:	Not reported
APN:	DEH-126468
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	SEARS WAREHOUSE
Facility Address:	5258 ANNA ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4007
UST Owner:	SEARS WAREHOUSE
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 126468 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	126468
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-03-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 126468 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	126468
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-03-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SAN DIEGO CO. SAM:

Case Number:	H26468-001
Agency:	DEH Site Assessment & Mitigation

SEARS WAREHOUSE (Continued) **S104751046**

Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/25/1988
Date Began:	3/25/1988

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67 **SEARS WAREHOUSE** **CA HIST CORTESE** **S100733610**
5258 ANNA AVE **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT922

LUST:

Region:	STATE
Global Id:	T0607303165
Latitude:	32.7631415
Longitude:	-117.2009321
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/25/1988
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT922
LOC Case Number:	H26468-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607303165
Status:	Open - Case Begin Date
Status Date:	04/18/1988

Global Id:	T0607303165
Status:	Completed - Case Closed
Status Date:	05/25/1988

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT922
Local Case:	H26468-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure

SEARS WAREHOUSE (Continued) **S100733610**

How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	03/25/1988
Date Stopped:	03/25/1988
Confirm Date:	03/25/1988
Submit Workplan:	Not reported
Prelim Assess:	03/25/1988
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	03/25/1988
Enforce Date:	Not reported
Closed Date:	5/25/88
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	16’
Beneficial Use:	MUNISW
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

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67 **RESCUE INDUSTRIES** **CA SWEEPS UST** **S106931260**
4850 PACIFIC HIGHWAY 1ST **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:

Status:	Active
Comp Number:	24729
Number:	9
Board Of Equalization:	44-021803
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-024729-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	1

67 **CARL'S BAR SUPPLIES** **CA HIST CORTESE** **S102426344**
880 SHERMAN ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SLIC**
CA SWEEPS UST

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT85

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT85
Local Case: H03573-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 09/24/1986
Date Stopped: 09/24/1986
Confirm Date: 09/12/1986
Submit Workplan: Not reported
Prelim Assess: 09/29/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/24/1986
Enforce Date: Not reported
Closed Date: 10/5/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 10'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/06/1986
Global Id: T0607303096
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03573-001
Latitude: 32.7634156

CARL'S BAR SUPPLIES (Continued) **S102426344**

Longitude:	-117.2006161
Case Type:	Cleanup Program Site
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT85
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Not reported
Comp Number:	3573
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003573-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	3573
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003573-000002
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

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67 **CARLS COCKTAIL LOUNGE SUPPLIES** **CA HIST UST** **U001572827**
880 SHERMAN ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST UST:

Region:	STATE
Facility ID:	00000002281
Facility Type:	Other
Other Type:	Not reported

CARLS COCKTAIL LOUNGE SUPPLIES (Continued) **U001572827**

Contact Name:	MANAGER-TONY SANFILIPPO
Telephone:	8132973741
Owner Name:	JOHN R FEWEL
Owner Address:	3661 LIGGETT DR
Owner City,St,Zip:	SAN DIEGO, CA 92106
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1966
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1966
Tank Capacity:	00002000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

SWEEPS UST:

Status:	Active
Comp Number:	3573
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	103573
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-660-26-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	JOHN R FEWEL
Facility Address:	880 SHERMAN ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4013

CARLS COCKTAIL LOUNGE SUPPLIES (Continued) **U001572827**

UST Owner:	JOHN R FEWEL
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103573 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103573
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103573 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103573
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H03573-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/6/1986
Date Began:	9/12/1986

67 **MV WEST LIGHT RAIL EXTENSION** **CA SLIC** **S106916578**
NONE MORENA BL, SEGMENT **N/A**
SAN DIEGO, CA 92108

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/25/2013
Global Id:	T0608103247
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H35617-001
Latitude:	32.7634827791177
Longitude:	-117.195925645447
Case Type:	Cleanup Program Site
Case Worker:	VAP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Refer to "Site Maps/Documents" tab for Administrative Closure Memo

Click here to access the California GeoTracker records for this facility:

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67 **SUNDOWN AUTOMOTIVE** **EDR US Hist Auto Stat** **1008997041**
5338 CUSTER ST **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	SUNDOWN AUTOMOTIVE
Year:	1980
Type:	A T S AUTOMATIC
Name:	SUNDOWN AUTOMOTIVE
Year:	1984
Type:	A T S AUTOMATIC

---

67 **NINTEMAN CONSTRUCTION CO INC** **CA SWEEPS UST** **S100726217**
5320 CUSTER ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:

Status:	Active
Comp Number:	3304
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

NINTEMAN CONSTRUCTION CO INC (Continued) **S100726217**

Status:	Not reported
Comp Number:	3304
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003304-000001
Tank Status:	Not reported
Capacity:	1500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	103304
Business Type:	6HK70
EPA Id Number:	CAL000055541
APN:	436-452-02-00
Last HMMD Inspection:	08/22/2002
Permit Status:	CHNG
Permit Expiration:	01/31/2003
Facility Owner:	NINTEMAN CONSTRUCTION CO, INC.
Facility Address:	P O BOX 80577
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92138-0577
UST Owner:	NINTEMAN CONSTRUCTION COMPANY,
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103304 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103304
Tank Type:	UNKNOWN
Additional Id:	NO. 1
Capacity Gallons:	1500
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-12-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

NINTEMAN CONSTRUCTION CO INC (Continued) **S100726217**

Facility Id:	201240
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	436-452-02-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	01/31/2004
Facility Owner:	NINTEMAN CONSTRUCTION CO, INC.
Facility Address:	P O BOX 80577
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92138-0577
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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67 **NINTEMAN CONSTRUCTION COMPANY** **CA HIST UST** **U001572852**
5320 CUSTER ST **N/A**
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000000616
Facility Type:	Other
Other Type:	Not reported
Contact Name:	CLIFF TABADISTO
Telephone:	6192950011
Owner Name:	NINTEMAN CONSTRUCTION COMPANY,
Owner Address:	1465 MORENA BLVD.
Owner City,St,Zip:	SAN DIEGO, CA 92110
Total Tanks:	0001
Tank Num:	001
Container Num:	NO. 1
Year Installed:	Not reported
Tank Capacity:	00001500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

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67 **WALKER SCOTT** **CA LUST** **S105033005**
908 SHERMAN ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**

SWEEPS UST:

Status:	Active
Comp Number:	21163
Number:	9
Board Of Equalization:	44-023464
Referral Date:	Not reported
Action Date:	06-26-92

WALKER SCOTT (Continued) **S105033005**

Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21163
Number:	Not reported
Board Of Equalization:	44-023464
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021163-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	121163
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-440-07-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	WALKER SCOTT COMPANY
Facility Address:	P.O. BOX PO BOX 85500
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92138-
UST Owner:	WALKER SCOTT COMPANY
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121163 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121163
Tank Type:	UNKNOWN
Additional Id:	90801
Capacity Gallons:	1000
UST Contents:	DIESEL

WALKER SCOTT (Continued) **S105033005**

Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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67 **WALKER SCOTT COMPANY** **CA HIST CORTESE** **U001572879**
908 SHERMAN ST **CA SLIC** **N/A**
SAN DIEGO, CA 92110 **CA HIST UST**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT466

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/05/1987
Global Id:	T0607302768
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21163-001
Latitude:	32.764119
Longitude:	-117.200794
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT466
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000007353
Facility Type:	Other
Other Type:	RETAIL MDSE DIST. CN
Contact Name:	B.J. BANDISH
Telephone:	6194264803
Owner Name:	WALKER SCOTT COMPANY
Owner Address:	908 SHERMAN STREET
Owner City,St,Zip:	SAN DIEGO, CA 92110
Total Tanks:	0001
Tank Num:	001
Container Num:	90801
Year Installed:	Not reported

WALKER SCOTT COMPANY (Continued) **U001572879**

Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

SAN DIEGO CO. SAM:

Case Number:	H21163-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/5/1987
Date Began:	7/14/1986

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67 **MISSION VALLEY YMCA** **CA CHMIRS** **S104756612**
5505 FRIARS RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

CHMIRS:

OES Incident Number:	'10-5976
OES notification:	10/04/2010
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Fire Dept.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

MISSION VALLEY YMCA (Continued) **S104756612**

Measure:	Gal(s)
Other:	Not reported
Date/Time:	1130
Year:	2010
Agency:	Mission Valley YMCA
Incident Date:	10/4/2010
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydrochloric Acid
Quantity Released:	10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP states that a possible broken pipe caused the release of Hydrochloric Acid to a concrete floor.

SAN DIEGO CO. HMMD:

Facility Id:	201634
Business Type:	6HK56
EPA Id Number:	CAC002658722
APN:	436-540-06-00
Last HMMD Inspection:	10/04/2010
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	YMCA OF SAN DIEGO COUNTY
Facility Address:	3708 RUFFIN RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92123
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	201634
Update Date:	11/02/2012
Case Number:	7647-01-0

MISSION VALLEY YMCA (Continued) **S104756612**

Name: MURIATIC ACID
Other Information: HYDROCHLORIC ACID
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Facility Id: 201634
Update Date: 11/02/2012
Case Number: 7681-52-9
Name: SODIUM HYPOCHLORITE, NAOCL, 12%: LIQUID POOL CHLORINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 201634
Update Date: 11/02/2012
Inspection Date: 10/04/2010
Violation Code: 6HV0411
Violation: CONTINGENCY PLAN NOT IMPLEMENTED
Violation Citation: Small quantity generator of hazardous waste failed to carry out contingency plan during an emergency. CFR 262.34(d)(5)(iv)
Activity: ACTIVE

Facility Id: 201634
Update Date: 11/02/2012
Inspection Date: 10/04/2010
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 201634
Update Date: 11/02/2012
Inspection Date: 10/04/2010
Violation Code: 6HV1010
Violation: NO REPORT OF RELEASE/THREATENED RELEASE
Violation Citation: Business has failed to report a release or threatened release of a hazardous material to the appropriate agencies. HSC 25507(a), CCR 2703
Activity: ACTIVE

Facility Id: 201634
Update Date: 11/02/2012
Inspection Date: 10/04/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 201634
Update Date: 11/02/2012
Inspection Date: 10/04/2010

MISSION VALLEY YMCA (Continued) **S104756612**

Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	201634
Update Date:	11/02/2012
Inspection Date:	10/04/2010
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	201634
Update Date:	11/02/2012
Inspection Date:	10/04/2010
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	201634
Update Date:	11/02/2012
Inspection Date:	10/04/2010
Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	138125
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	436-540-06-00
Last HMMD Inspection:	03/13/2001
Permit Status:	CHNG
Permit Expiration:	10/31/2003
Facility Owner:	YMCA OF SD CITY MISSION VALLEY
Facility Address:	4715 VIEWRIDGE AVE #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92123-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

67 **YMCA OF SAN DIEGO COUNTY/MISSION VALLEY YMCA** **CA HAZNET** **S113463414**
5505 FRIARS RD **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid:	S113463414
Year:	2010
GEPAID:	CAC002658722
Contact:	JASON PREMO/X1220
Telephone:	6192983576
Mailing Name:	Not reported
Mailing Address:	5505 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 92110
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02085
Facility County:	San Diego

envid:	S113463414
Year:	2010
GEPAID:	CAC002658722
Contact:	JASON PREMO/X1220
Telephone:	6192983576
Mailing Name:	Not reported
Mailing Address:	5505 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 92110
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	San Diego

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67 **SVENSK MOTORSPORT** **EDR US Hist Auto Stat** **1008997043**
5354 BANKS ST **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	SVENSK MOTORSPORT
Year:	1980
Type:	A T S AUTOMATIC

Name:	SVENSK MOTORSPORT
Year:	1984
Type:	A T S AUTOMATIC

Name:	RANDYS FOREIGN CAR CLINIC
Year:	1999
Address:	5354 BANKS ST

Name:	RANDYS FOREIGN CAR CLINIC
Year:	2000
Address:	5354 BANKS ST

SVENSK MOTORSPORT (Continued) **1008997043**

Name: RANDYS FOREIGN CAR CLINIC
Year: 2001
Address: 5354 BANKS ST

Name: RANDYS FOREIGN CAR CLINIC
Year: 2002
Address: 5354 BANKS ST

Name: RANDYS FOREIGN CAR CLINIC
Year: 2003
Address: 5354 BANKS ST

Name: RANDYS FRGN CAR CLNC SPCLZNG
Year: 2004
Address: 5354 BANKS ST

Name: RANDYS FOREIGN CAR CLINIC
Year: 2008
Address: 5354 BANKS ST

Name: RANDYS FRGN CAR CLINIC SPCLZNG
Year: 2009
Address: 5354 BANKS ST

Name: BEEMER & BENZ AUTO REPR
Year: 2011
Address: 5354 BANKS ST

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67 **FLORENTINE COMPANY** **CA LUST** **S105036573**
5353 BANKS ST **N/A**
SAN DIEGO, CA 92110

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67 **FLORENTINE COMPANY** **CA HIST UST** **U001572836**
5353 BANKS ST **N/A**
SAN DIEGO, CA 92110

HIST UST:
Region: STATE
Facility ID: 00000068911
Facility Type: Other
Other Type: FLORENTINE COMPANY
Contact Name: GORDON FORSYTH
Telephone: 6192986143
Owner Name: FLORENTINE COMPANY
Owner Address: 5353 BANKS STREET
Owner City,St,Zip: SAN DIEGO, CA 92110
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1965
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: 1

FLORENTINE COMPANY (Continued) **U001572836**

Container Construction Thickness: X
Leak Detection: None

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67 **FLORENTINE CO** **CA HIST CORTESE** **S100698221**
5353 BANKS ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SWEEPS UST**
CA CHMIRS
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT920

LUST:
Region: STATE
Global Id: T0607303163
Latitude: 32.7636139
Longitude: -117.199008
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/23/1996
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT920
LOC Case Number: H03199-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607303163
Status: Open - Case Begin Date
Status Date: 03/02/1988

Global Id: T0607303163
Status: Completed - Case Closed
Status Date: 05/23/1996

Regulatory Activities:
Global Id: T0607303163
Action Type: Other
Date: 03/02/1988
Action: Leak Began

Global Id: T0607303163
Action Type: Other
Date: 03/02/1988
Action: Leak Discovery

Global Id: T0607303163

FLORENTINE CO (Continued) **S100698221**

Action Type: ENFORCEMENT
Date: 03/24/1988
Action: Notice of Responsibility

Global Id: T0607303163
Action Type: Other
Date: 03/02/1988
Action: Leak Stopped

Global Id: T0607303163
Action Type: Other
Date: 03/02/1988
Action: Leak Reported

SWEEPS UST:
Status: Active
Comp Number: 3199
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3199
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003199-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 1

CHMIRS:
OES Incident Number: 9000382
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Incident Date: 26-FEB-90

FLORENTINE CO (Continued) **S100698221**

Date Completed:	**26-FEB-90**
Property Use:	600
Agency Id Number:	37140
Agency Incident Number:	43456
Time Notified:	841
Time Completed:	1026
Surrounding Area:	600
Estimated Temperature:	70
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	JEFF A. HINCK
Report Date:	26-FEB-90
Facility Telephone:	619 236-7773
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	29-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported

FLORENTINE CO (Continued) **S100698221**

Injuries: Not reported
Fatals: Not reported
Comments: Not reported
Description: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 103199
Business Type: 6HK70
EPA Id Number: Not reported
APN: 436-452-14-00
Last HMMD Inspection: 05/21/1997
Permit Status: INAC
Permit Expiration: 05/21/1997
Facility Owner: FLORENTINE CO
Facility Address: 5353 BANKS ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110-4008
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103199 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103199
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 2000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1988-02-03 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:
Case Number: H03199-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 5/23/1996
Date Began: 3/2/1988

67 **LLOYD'S PEST CONTROL** **CA LUST** **S102432691**
935 SHERMAN ST **N/A**
SAN DIEGO, CA 92110

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT251
Local Case:	H11498-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	New Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	01/15/1987
Date Stopped:	01/15/1987
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	02/05/1987
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/19/1987
Enforce Date:	Not reported
Closed Date:	4/21/87
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

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67 **LLOYD PEST CONTROL** **RCRA-SQG** **1000441289**
935 SHERMAN ST **FINDS** **CAD029122900**
SAN DIEGO, CA 92110 **CA HIST CORTESE**
CA LUST
CA SLIC
CA SWEEPS UST
CA San Diego Co. HMMD
CA HAZNET
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	LLOYD PEST CONTROL
Facility address:	935 SHERMAN ST SAN DIEGO, CA 92110
EPA ID:	CAD029122900
Contact:	Not reported

LLOYD PEST CONTROL (Continued) **1000441289**

Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: JAMES A OGLE JR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/14/1986
Site name: LLOYD PEST CONTROL
Classification: Large Quantity Generator

LLOYD PEST CONTROL (Continued) **1000441289**

Violation Status: No violations found

FINDS:

Registry ID: 110002641696

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT251

LUST:

Region:	STATE
Global Id:	T0608115063
Latitude:	32.7640550679513
Longitude:	-117.199337482452
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/12/2013
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H11498-002
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	An unauthorized release was discovered during removal of two underground storage tanks (USTs) associated with a pest control business on October 29, 1998. Each of the USTs had a 10,000-gallon capacity and had contained gasoline to service company vehicles. The former USTs were located adjacent to a two-story building that parallels the southeastern property boundary. The concrete block building is occupied by a garage on the first floor with office space located on the second floor. Upon removal of the USTs, the County DEH inspector noted the presence of groundwater that had accumulated at the base of the excavation. A hydrocarbon sheen was observed on the water and staining was present on excavation soils. Analytical results for soil samples collected during the removal inspection indicated that an unauthorized release of gasoline had occurred. Five hundred gallons of a product/water mixture were removed from the excavation by vacuum truck and transported offsite for disposal. Approximately 423 tons of petroleum hydrocarbon-impacted soil were then removed from the excavation and disposed of at recycling facility. The former tanks were replaced with a 12,000-gallon capacity UST. Donan Environmental Services, Inc (DES) submitted a UST closure report to DEH in March 2001. DEH Case #H11498-002 was opened

LLOYD PEST CONTROL (Continued) **1000441289**

following review of the reported soil sample analytical results. DES subsequently estimated that 699 tons (approximately 466 cubic yards) of petroleum hydrocarbon-impacted soil remained in place at the site. Five groundwater monitoring wells were installed at the site in November 2002 to depths of 20 feet below ground surface (bgs). Analytical results for groundwater samples collected in January 2003 indicated that the chemicals of concern (COCs) at the site were benzene, toluene, ethylbenzene, and xylene (BTEX) and the fuel oxygenates methyl-tert-butyl ether (MTBE) and tert-amyl-methyl ether (TAME). Soil vapor samples were collected at three locations below the foundation slab of the garage in December 2004. None of the COCs were detected in the soil vapor samples. Two additional on-site groundwater monitoring wells were installed in August 2005 and three were installed in November 2007. A well was installed immediately west of the subject property in November 2009. Groundwater sampling of this off-site well in January 2010 indicated the detection of MTBE at a concentration of 111 micrograms per liter (g/l). In order to assess the lateral extent of dissolved MTBE, four borings were advanced in the Custer Street right-of-way, approximately 250 to 300 feet west of the off-site well. Groundwater grab samples were collected from the borings and analyzed by a mobile laboratory. MTBE was detected in three of the grab samples and the most westerly boring was converted to a monitoring well. MTBE was detected at a concentration of 3 g/l when the well was sampled in February 2012. Based on the MTBE result, the consultant concluded that the dissolved contaminant plume had been adequately delineated. DES submitted a Corrective Action Plan (CAP) for the site on August 1, 2012. Analytical results for the February 2012 groundwater monitoring and sampling round indicated that benzene was not detected in groundwater samples. Trend analyses presented in the CAP show decreasing trends for MTBE concentrations. DES estimates that MTBE concentrations will fall below its Primary Maximum Contaminant Level (MCL, 13 g/l) in 13 years and its Secondary MCL in 20 years. Although groundwater beneath the site is designated for potential municipal use, it flows into a non-beneficial use basin approximately 1,500 feet downgradient of the site. Based on the lack of detection of benzene in the most recently collected groundwater samples, the lack of human health risk, and the decreasing concentrations of MTBE in groundwater, DES has recommended no further action and case closure. DEH concurs with these recommendations.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0608115063
Contact Type:	Local Agency Caseworker
Contact Name:	CAROL FENNER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	carol.fenner@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0608115063
Status:	Open - Site Assessment
Status Date:	01/22/2010

LLOYD PEST CONTROL (Continued) **1000441289**

Global Id: T0608115063
Status: Completed - Case Closed
Status Date: 02/12/2013

Global Id: T0608115063
Status: Open - Case Begin Date
Status Date: 10/28/1998

Global Id: T0608115063
Status: Open - Remediation
Status Date: 01/28/2004

Global Id: T0608115063
Status: Open - Remediation
Status Date: 10/17/2012

Regulatory Activities:

Global Id: T0608115063
Action Type: Other
Date: 10/29/1998
Action: Leak Began

Global Id: T0608115063
Action Type: RESPONSE
Date: 08/10/2012
Action: CAP/RAP - Feasibility Study Report - Regulator Responded

Global Id: T0608115063
Action Type: RESPONSE
Date: 12/31/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 07/20/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608115063
Action Type: Other
Date: 10/29/1998
Action: Leak Discovery

Global Id: T0608115063
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0608115063
Action Type: Other
Date: 10/29/1998
Action: Leak Stopped

Global Id: T0608115063
Action Type: RESPONSE
Date: 07/31/2011
Action: Monitoring Report - Semi-Annually

LLOYD PEST CONTROL (Continued) **1000441289**

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 04/23/2001
Action: Notice of Responsibility

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 01/18/2012
Action: Letter - Notice

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 02/12/2013
Action: Closure/No Further Action Letter

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 07/06/2012
Action: Letter - Notice

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 01/09/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 08/25/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0608115063
Action Type: Other
Date: 03/26/2001
Action: Leak Reported

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 11/30/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 05/28/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 01/08/2013
Action: Notice of Responsibility

Global Id: T0608115063
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0608115063
Action Type: RESPONSE

LLOYD PEST CONTROL (Continued) **1000441289**

Date: 11/04/2010
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

Global Id: T0608115063
Action Type: RESPONSE
Date: 02/22/2012
Action: Site Assessment Report - Regulator Responded

Global Id: T0608115063
Action Type: RESPONSE
Date: 01/25/2012
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 04/21/1987
Global Id: T0607301254
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H11498-001
Latitude: 32.764159
Longitude: -117.199694
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT251
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Status: Active
Comp Number: 11498
Number: 9
Board Of Equalization: 44-022505
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011498-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 11498
Number: 9
Board Of Equalization: 44-022505

LLOYD PEST CONTROL (Continued) **1000441289**

Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011498-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 11498
Number: Not reported
Board Of Equalization: 44-022505
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011498-000003
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 2

Status: Not reported
Comp Number: 11498
Number: Not reported
Board Of Equalization: 44-022505
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-011498-000004
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 111498
Business Type: 6HK69
EPA Id Number: CAL000036820
APN: 436-452-09-00
Last HMMD Inspection: 05/16/2011
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: J.A.OGLE JR
Facility Address: 935 SHERMAN ST

LLOYD PEST CONTROL (Continued) **1000441289**

Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4016
UST Owner:	J.A.OGLE JR
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 111498 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	111498
Tank Type:	SINGLE WALL
Additional Id:	NT2143
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-10-29 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

UST Name:	UNDERGROUND TANK 111498 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	111498
Tank Type:	SINGLE WALL
Additional Id:	NT2143
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-10-29 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	01
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 111498 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	111498
Tank Type:	SINGLE WALL
Additional Id:	AT0770
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported

LLOYD PEST CONTROL (Continued) **1000441289**

Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 111498 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	111498
Tank Type:	SINGLE WALL
Additional Id:	AT0770
Capacity Gallons:	7500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 111498 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	111498
Tank Type:	DOUBLE WALL
Additional Id:	NT2143, RT2420/AT5399
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2009-03-05 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
UST Name:	UNDERGROUND TANK 111498 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	111498
Tank Type:	UNKNOWN
Additional Id:	AT0770
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-15 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

LLOYD PEST CONTROL (Continued) **1000441289**

Active Permits:

Facility Id:	111498
Update Date:	11/02/2012
Case Number:	002699-79-8
Name:	VIKANE (SULFURYL FLUORIDE): TLV, 5PPM; STEL, 10PPM
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	EXTREMELY HAZARDOUS
Hazardous Categories 2:	Not reported

Facility Id:	111498
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	111498
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	111498
Update Date:	11/02/2012
Case Number:	82651-04-3
Name:	TALSTAR GRANULES (BITEN THRIN)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	111498
Update Date:	11/02/2012
Case Number:	68359-37-5
Name:	CYFLUTHRIN
Other Information:	CY KICK CD CONTROLLED RELEASE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	111498
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	111498
Update Date:	11/02/2012

LLOYD PEST CONTROL (Continued) **1000441289**

Case Number:	74-98-6
Name:	PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	111498
Update Date:	11/02/2012
Case Number:	8005-05-9
Name:	LUBRICATING OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV3113
Violation:	2NDRY CONT TEST NOT SENT TO CUPA
Violation Citation:	Secondary Containment testing not submitted to CUPA within 30 days. 2637(a)(4)
Activity:	ACTIVE

Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV0226
Violation:	HW NOT ACCUMULATED IN TANK/CONTAINER
Violation Citation:	Did not accumulate waste in container or tank. 66262.34 (d)(2)
Activity:	ACTIVE

Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV3102
Violation:	OPER. PERMIT NOT CURRENT/ONSITE
Violation Citation:	Current Operating Permit not available at facility. 25284(a), 25286(a); 2712(i); 68.1003
Activity:	ACTIVE

Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE

LLOYD PEST CONTROL (Continued) **1000441289**

Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	05/16/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	111498
Update Date:	11/02/2012
Inspection Date:	10/16/2003
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE

HAZNET:

envid:	1000441289
Year:	1993
GEPAID:	CAD029122900
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	935 SHERMAN ST
Mailing City,St,Zip:	SAN DIEGO, CA 921100000
Gen County:	Not reported
TSD EPA ID:	CAT080011059
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	2.07999999999
Facility County:	San Diego

LLOYD PEST CONTROL (Continued) **1000441289**

SAN DIEGO CO. SAM:

Case Number:	H11498-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	4/2/2001
Date Began:	10/29/1998

Case Number:	H11498-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	4/21/1987
Date Began:	1/15/1987

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67 **VITA PACK CITRUS PROD AT0551** **CA SWEEPS UST** **S104745725**
5265 LOVELOCK ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:

Status:	Not reported
Comp Number:	3572
Number:	Not reported
Board Of Equalization:	44-021892
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003572-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	3572
Number:	Not reported
Board Of Equalization:	44-021892
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003572-000002
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

VITA PACK CITRUS PROD AT0551 (Continued) **S104745725**

SAN DIEGO CO. HMMD:

Facility Id:	103572
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	436-660-25-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	VITA PACK CITRUS PROD
Facility Address:	5265 LOVELOCK ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4012
UST Owner:	VITA PACK CITRUS PROD
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103572 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103572
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 103572 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103572
Tank Type:	SINGLE WALL
Additional Id:	002
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

67 **POLICE DEPARTMENT** **CA HIST UST** **U001572858**
5215 GAINES ST **N/A**
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000024479
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	BUDDY CARROLL
Telephone:	6192367318
Owner Name:	CITY OF SAN DIEGO
Owner Address:	1222 FIRST AVE., CITY OPERATIO
Owner City,St,Zip:	SAN DIEGO, CA 92101
Total Tanks:	0005
Tank Num:	001
Container Num:	1
Year Installed:	1984
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1984
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	1984
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	4
Year Installed:	1984
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	005
Container Num:	5
Year Installed:	1984
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported

POLICE DEPARTMENT (Continued) **U001572858**

Leak Detection: None

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67 **SDCTY-POLICE WESTERN** **CA UST** **U003789067**
5215 GAINES ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

UST:
Facility ID: H01782
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.76509
Longitude: -117.1937738

SWEEPS UST:
Status: Active
Comp Number: 1782
Number: 9
Board Of Equalization: 44-021630
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001782-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: Active
Comp Number: 1782
Number: 9
Board Of Equalization: 44-021630
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001782-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 1782
Number: 9
Board Of Equalization: 44-021630
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001782-000003

SDCTY-POLICE WESTERN (Continued) **U003789067**

Tank Status: A
Capacity: 3000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 1782
Number: 9
Board Of Equalization: 44-021630
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001782-000004
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 1782
Number: 9
Board Of Equalization: 44-021630
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-001782-000005
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 101782
Business Type: 6HK24
EPA Id Number: CAL000017518
APN: 436-540-08-00
Last HMMD Inspection: 07/18/2012
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: CITY OF SAN DIEGO
Facility Address: 3940 FEDERAL BL
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92102
UST Owner: CITY OF SAN DIEGO POLICE
Handle Regulated Hazmat: Y

SDCTY-POLICE WESTERN (Continued) **U003789067**

Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: N
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 101782 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-05-21 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 101782 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-12-05 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 101782 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 3000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1998-12-05 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SDCTY-POLICE WESTERN (Continued) **U003789067**

UST Name:	UNDERGROUND TANK 101782 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	101782
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1998-03-20 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	06
UST Monitor Method:	SW TANK SW SUCTION PIPE W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK TEST ANNUAL (EXEMPT IF UST < 551 GAL), PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 101782 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	101782
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-03-20 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	Not reported
UST Monitor Method:	Not reported

UST Name:	UNDERGROUND TANK 101782 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	101782
Tank Type:	DOUBLE WALL
Additional Id:	NT2034/ RT2508, RT4168
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 101782 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	101782
Tank Type:	DOUBLE WALL
Additional Id:	NT2034/ RT2508, RT4168
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED

SDCTY-POLICE WESTERN (Continued) **U003789067**

Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1998-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 101782 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: DOUBLE WALL
Additional Id: NT2034/ RT2508
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name: UNDERGROUND TANK 101782 T009
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: DOUBLE WALL
Additional Id: NT2034/ RT2508
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: DOUBLE WALL
Delivery System: GRAVITY
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:
Facility Id: 101782
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: VARIOUS LUBRICATING OILS
Other Information: OIL, LUBRICATING
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported

SDCTY-POLICE WESTERN (Continued) **U003789067**

Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: WST ANTIFREEZE & RECYCLED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 101782 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 101782 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: TO CENTRAL GARAGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER WITH GASOLINE
Material Waste: Waste

SDCTY-POLICE WESTERN (Continued) **U003789067**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: BATTERY SYSTEM KEARNY PEARSON FORD
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 860 UNIVERSAL WASTE CRTS/LAMPS/BATTERIES/ETC
Other Information: FLOURESCENT TUBES, CRTS, BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SDCTY-POLICE WESTERN (Continued) **U003789067**

Violations Active Permits:

Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/10/2007
Violation Code:	6HV3256
Violation:	NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation:	Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity:	ACTIVE

Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/18/2005
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE

Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/17/2006
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/26/2004
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE

Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/10/2007
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE

Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/10/2007
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Facility Id:	101782

SDCTY-POLICE WESTERN (Continued) **U003789067**

Update Date:	11/02/2012
Inspection Date:	10/17/2006
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/21/2003
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	07/26/2011
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/26/2004
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	10/18/2005
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)

SDCTY-POLICE WESTERN (Continued) **U003789067**

Activity:	ACTIVE
Facility Id:	101782
Update Date:	11/02/2012
Inspection Date:	07/22/2010
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	101782
Business Type:	6HK24
EPA Id Number:	CAL000017518
APN:	436-540-08-00
Last HMMD Inspection:	07/18/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	CITY OF SAN DIEGO
Facility Address:	3940 FEDERAL BL
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92102
UST Owner:	CITY OF SAN DIEGO POLICE
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 101782 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	101782
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-05-21 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 101782 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	101782
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED

SDCTY-POLICE WESTERN (Continued) **U003789067**

Remove Close Date: 1998-12-05 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 101782 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 3000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1998-12-05 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 101782 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: SINGLE WALL
Additional Id: 4
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1998-03-20 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 06
UST Monitor Method: SW TANK SW SUCTION PIPE W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK TEST ANNUAL (EXEMPT IF UST < 551 GAL), PIPE TEST TRIENNIALLY

UST Name: UNDERGROUND TANK 101782 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: SINGLE WALL
Additional Id: 5
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1998-03-20 00:00:00
Year Installed: 1984-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: GRAVITY
Monitor Code: Not reported
UST Monitor Method: Not reported

SDCTY-POLICE WESTERN (Continued) **U003789067**

UST Name: UNDERGROUND TANK 101782 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: DOUBLE WALL
Additional Id: NT2034/ RT2508, RT4168
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1998-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 101782 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: DOUBLE WALL
Additional Id: NT2034/ RT2508, RT4168
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: 1998-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 31B
UST Monitor Method: DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name: UNDERGROUND TANK 101782 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: DOUBLE WALL
Additional Id: NT2034/ RT2508
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: ACTIVE
Remove Close Date: Not reported
Year Installed: Not reported
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name: UNDERGROUND TANK 101782 T009
Last Update: 2012-11-02 14:17:38
Permit Number: 101782
Tank Type: DOUBLE WALL
Additional Id: NT2034/ RT2508
Capacity Gallons: 1000

SDCTY-POLICE WESTERN (Continued) **U003789067**

UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	101782
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	VARIOUS LUBRICATING OILS
Other Information:	OIL, LUBRICATING
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	101782
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WST ANTIFREEZE & RECYCLED
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	101782
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 101782 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	101782
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	101782
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 101782 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

SDCTY-POLICE WESTERN (Continued) **U003789067**

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: TO CENTRAL GARAGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER WITH GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY DEBRIS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: BATTERY SYSTEM KEARNY PEARSON FORD
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported

SDCTY-POLICE WESTERN (Continued) **U003789067**

Name: WASTE 860 UNIVERSAL WASTE CRTS/LAMPS/BATTERIES/ETC
Other Information: FLOURESCENT TUBES, CRTS, BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 101782
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 101782
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/10/2007
Violation Code: 6HV3256
Violation: NO FUNCTIONAL DRAIN BOX/BACKUP
Violation Citation: Fill box drain not functional and backup system is not available. 2635(b)(1)(C)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/18/2005
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/17/2006
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/26/2004
Violation Code: 6HV3257

SDCTY-POLICE WESTERN (Continued) **U003789067**

Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/10/2007
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/10/2007
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/17/2006
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 07/22/2010
Violation Code: 6HV3411
Violation: LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation: DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/21/2003
Violation Code: 6HV3151
Violation: ALL RELEASES NOT REPORTED/RECORDED
Violation Citation: All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 07/18/2012
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

SDCTY-POLICE WESTERN (Continued) **U003789067**

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 07/26/2011
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/26/2004
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 10/18/2005
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

Facility Id: 101782
Update Date: 11/02/2012
Inspection Date: 07/22/2010
Violation Code: 6HV3257
Violation: 2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation: Secondary containment system components not liquid free. 2631(d)(4)
Activity: ACTIVE

SAN DIEGO CO. SAM:
Case Number: H01782-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 11/30/1987
Date Began: 11/16/1986

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67 **SDCTY-POLICE WESTERN** **CA LUST** **S103987198**
5215 GAINES ST **N/A**
SAN DIEGO, CA 92110

LUST:
Region: STATE
Global Id: T0607303015
Latitude: 32.7641888
Longitude: -117.1952692
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 08/16/2014
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: TS

SDCTY-POLICE WESTERN (Continued) **S103987198**

Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT759
LOC Case Number:	H01782-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	The Western Division Police Station became operational around May 1984, and is currently utilized as a fueling station and maintenance garage. In late 1986, gasoline odors were reported in local bathrooms, and free floating product (gasoline) was reported in an abandoned sewer line leading to the site. The sewer line was subsequently plugged with concrete. In February 1987, it was determined that there was a leaking turbine pressure feed line from one of the five underground storage tanks at the site (UST #2), and an estimated 41,000 to 55,000 gallons of gasoline was released. An Official Notice was issued to the City of San Diego on February 25, 1987. Product extraction wells were installed at the site in 1987, and a vapor survey was conducted. In addition, the City operated a vapor extraction system (VES) at the site from approximately 1990 to 1997. An estimated 60,674 pounds of petroleum hydrocarbons were extracted from the site and destroyed by oxidation. Three of the five USTs were removed in 1998 (2 gas, one diesel), and during the tank removal activities, a reported 200 cubic yards of impacted soil was excavated. The other 2 USTs (waste oil and motor oil) were later removed. A total of 20 extraction and/or groundwater monitoring wells have been installed at the site between 1987 and 2007, along with soil borings, to help define the extent of soil and groundwater contamination at the site. Groundwater at the site is generally present at a depth of between approximately 11 to 17 feet below grade, with a west to southwest flow direction. The groundwater has designated beneficial uses, and some reported contaminant concentrations, including benzene and MTBE, exceed their respective Maximum Contaminant Levels (MCLs). The City of San DIego plans for the 2010/11 fiscal year include conducting further soil gas monitoring, conducting semiannual groundwater monitoring and sampling, and preparing a Corrective Action Plan (CAP) for site mitigation.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607303015
Contact Type:	Local Agency Caseworker
Contact Name:	TERESA SHERMAN
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	teresa.sherman@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607303015
Status:	Open - Remediation
Status Date:	04/28/2014
Global Id:	T0607303015
Status:	Open - Remediation

SDCTY-POLICE WESTERN (Continued) **S103987198**

Status Date: 04/28/2014

Global Id: T0607303015
Status: Open - Remediation
Status Date: 04/28/2014

Global Id: T0607303015
Status: Open - Remediation
Status Date: 04/28/2014

Global Id: T0607303015
Status: Open - Remediation
Status Date: 04/28/2014

Global Id: T0607303015
Status: Open - Eligible for Closure
Status Date: 05/12/2014

Global Id: T0607303015
Status: Open - Eligible for Closure
Status Date: 05/30/2014

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 06/01/2014

Global Id: T0607303015
Status: Open - Eligible for Closure
Status Date: 06/19/2014

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 06/19/2014

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 06/19/2014

Global Id: T0607303015
Status: Open - Eligible for Closure
Status Date: 08/05/2014

Global Id: T0607303015
Status: Open - Eligible for Closure
Status Date: 08/05/2014

Global Id: T0607303015
Status: Open - Eligible for Closure
Status Date: 08/15/2014

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 08/05/2014

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 08/05/2014

SDCTY-POLICE WESTERN (Continued) **S103987198**

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 08/05/2014

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 08/05/2014

Global Id: T0607303015
Status: Open - Site Assessment
Status Date: 08/16/2014

Global Id: T0607303015
Status: Open - Verification Monitoring
Status Date: 08/05/2014

Global Id: T0607303015
Status: Open - Case Begin Date
Status Date: 11/16/1986

Global Id: T0607303015
Status: Open - Remediation
Status Date: 11/30/1987

Global Id: T0607303015
Status: Open - Remediation
Status Date: 03/23/2010

Regulatory Activities:
Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 03/25/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 04/20/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: Other
Date: 11/16/1986
Action: Leak Began

Global Id: T0607303015
Action Type: RESPONSE
Date: 02/05/2013
Action: Correspondence - Regulator Responded

Global Id: T0607303015
Action Type: RESPONSE
Date: 09/03/2013
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0607303015
Action Type: RESPONSE
Date: 12/13/2013

SDCTY-POLICE WESTERN (Continued) **S103987198**

Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0607303015
Action Type: RESPONSE
Date: 03/11/2014
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 07/28/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: RESPONSE
Date: 06/07/2010
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0607303015
Action Type: RESPONSE
Date: 07/12/2010
Action: Site Assessment Report

Global Id: T0607303015
Action Type: Other
Date: 11/16/1986
Action: Leak Discovery

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 06/05/2006
Action: Notice of Violation

Global Id: T0607303015
Action Type: Other
Date: 02/25/1987
Action: Leak Stopped

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 02/25/1987
Action: Notice of Responsibility

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 12/05/2011
Action: File review

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 01/28/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 10/21/2013
Action: Technical Correspondence / Assistance / Other

SDCTY-POLICE WESTERN (Continued) **S103987198**

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 02/04/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: Other
Date: 02/25/1987
Action: Leak Reported

Global Id: T0607303015
Action Type: RESPONSE
Date: 10/03/2012
Action: Site Assessment Report

Global Id: T0607303015
Action Type: RESPONSE
Date: 01/29/2013
Action: Correspondence

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 02/21/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 02/11/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 11/04/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: RESPONSE
Date: 07/31/2009
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 07/13/2009
Action: Letter - Notice

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 12/03/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 01/28/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT

SDCTY-POLICE WESTERN (Continued) **S103987198**

Date: 10/08/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 03/05/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: RESPONSE
Date: 09/03/2009
Action: Other Workplan

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 04/28/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 03/06/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: ENFORCEMENT
Date: 03/05/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607303015
Action Type: RESPONSE
Date: 04/19/2010
Action: Other Workplan

Global Id: T0607303015
Action Type: RESPONSE
Date: 07/30/2014
Action: Fact Sheets - Public Participation

Global Id: T0607303015
Action Type: RESPONSE
Date: 11/04/2011
Action: Clean Up Fund - 5-Year Review Summary - Regulator Responded

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67 **SDCTY-PUBLIC WORKS DEPT, WESTERN POLICE SUBSTATION** **RCRA-LQG 1007199710**
5215 GAINES ST **FINDS CAD982009136**
SAN DIEGO, CA 92110

RCRA-LQG:
Date form received by agency: 04/10/1996
Facility name: SDCTY - POLICE WESTERN FACILITY
Facility address: 5215 GAINES STREET
SAN DIEGO, CA 92110
EPA ID: CAD982009136
Contact: THEODORE OLSON
Contact address: Not reported
Not reported
Contact country: US

SDCTY-PUBLIC WORKS DEPT, WESTERN POLICE SUBSTATION (Continued) **1007199710**

Contact telephone: (619) 573-1266
Contact email: Not reported
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055809754

Environmental Interest/Information System
STATE MASTER

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67 **S.D.P.D. WESTERN DIVISION** **CA HIST CORTESE S101302000**
5212 GAINES **CA LUST N/A**
SAN DIEGO, CA 92110

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT759

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway

S.D.P.D. WESTERN DIVISION (Continued) **S101302000**

Case Number:	9UT759
Local Case:	H01782-001
Substance:	Unleaded Gasoline
Qty Leaked:	50000
Abate Method:	Remove Free Product - remove floating product from water table
Local Agency:	San Diego
How Found:	Nuisance Conditions
How Stopped:	Close Tank
Source:	Piping
Cause:	Structure Failure
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	02/19/1987
Date Stopped:	02/20/1987
Confirm Date:	02/25/1987
Submit Workplan:	Not reported
Prelim Assess:	06/11/1987
Desc Pollution:	9/15/87
Remed Plan:	11/04/1987
Remed Action:	12/22/88
Began Monitor:	Not reported
Release Date:	02/25/1987
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	~9’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	1B
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

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67 **EDR US Hist Auto Stat** **1015543430**

5328 BANKS ST **N/A**
SAN DIEGO, CA 92110

EDR Historical Auto Stations:

Name:	RANDYS FOREIGN CAR CLINIC
Year:	2010
Address:	5328 BANKS ST
Name:	RANDYS FOREIGN CAR CLINIC
Year:	2011
Address:	5328 BANKS ST
Name:	RANDYS FOREIGN CAR CLINIC
Year:	2012
Address:	5328 BANKS ST

67 **GALLO MOTOR TRANSPORT** | **CA HIST UST** | **U001572837**
5255 LOVELOCK ST | **CA SWEEPS UST** | **N/A**
SAN DIEGO, CA 92110 | **CA San Diego Co. HMMD**

HIST UST:

Region:	STATE
Facility ID:	00000052477
Facility Type:	Other
Other Type:	TRUCKING
Contact Name:	JOHN GALLO
Telephone:	6192998340
Owner Name:	M.P.I.
Owner Address:	5255 LOVELOCK STREET
Owner City,St,Zip:	SAN DIEGO, CA 92110
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

SWEEPS UST:

Status:	Not reported
Comp Number:	21143
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021143-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	2
Status:	Not reported
Comp Number:	21143
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

GALLO MOTOR TRANSPORT (Continued) **U001572837**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021143-000002
Tank Status:	Not reported
Capacity:	5500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	121143
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	436-440-25-00
Last HMMD Inspection:	05/01/1991
Permit Status:	INAC
Permit Expiration:	05/01/1991
Facility Owner:	M.P.I.
Facility Address:	P.O. BOX 84929
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92138-4929
UST Owner:	M P I
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121143 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121143
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	500
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121143 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121143
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	5500
UST Contents:	DIESEL
Other Content Info:	DIESEL

GALLO MOTOR TRANSPORT (Continued) **U001572837**

Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Facility Id:	207979
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	436-440-25-00
Last HMMD Inspection:	06/01/2009
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	UPS CARTAGE SERVICES, INC
Facility Address:	5255 LOVELOCK ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207979
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

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67 **CUBIC** **CA HIST CORTESE** **S105026141**
52255255 LOVELOCK ST **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT79

67 **TRUST REAL ESTATE SERVICES** **CA SLIC** **S104749746**
5225 LOVELOCK ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/19/1986
Global Id:	T0607303042
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21202-001
Latitude:	32.7648381
Longitude:	-117.2027542
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT79
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Active
Comp Number:	21202
Number:	9
Board Of Equalization:	44-023479
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21202
Number:	Not reported
Board Of Equalization:	44-023479
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021202-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

TRUST REAL ESTATE SERVICES (Continued) **S104749746**

Status:	Not reported
Comp Number:	21202
Number:	Not reported
Board Of Equalization:	44-023479
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021202-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	121202
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-440-18-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	CALIF FIRST BANK AT0491
Facility Address:	P O BOX 109
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92112-4103
UST Owner:	CALIF FIRST BANK AT0491
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121202 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121202
Tank Type:	SINGLE WALL
Additional Id:	AT0499-1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121202 T002

TRUST REAL ESTATE SERVICES (Continued) **S104749746**

Last Update:	2012-11-02 14:17:38
Permit Number:	121202
Tank Type:	SINGLE WALL
Additional Id:	AT0499-2
Capacity Gallons:	500
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H21202-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	12/19/1986
Date Began:	6/26/1986

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67 **CUBIC** **CA LUST** **S102428521**
5225-5255 LOVELOCK ST **N/A**
SAN DIEGO, CA 92110

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT79
Local Case:	H21202-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	06/19/1986
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	06/26/1986
Enforce Date:	Not reported
Closed Date:	10/24/86

CUBIC (Continued) **S102428521**

Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.50
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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67 **JOHNSON ALAN RACING INC** **EDR US Hist Auto Stat** **1008997863**
5220 GAINES ST **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: JOHNSON ALAN RACING INC
Year: 1980
Type: A T S AUTOMATIC

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67 **CANTEEN OF SAN DIEGO INC.** **CA HIST UST** **U001572826**
5444 NAPA ST **N/A**
SAN DIEGO, CA 92110

HIST UST:
Region: STATE
Facility ID: 00000011821
Facility Type: Other
Other Type: VENDINS/FOOD SERVICE
Contact Name: C.L. LANDIS PRESIDENT
Telephone: 6192989941
Owner Name: R E HAZARD JR INC.
Owner Address: 5404 NAPA ST
Owner City,St,Zip: SAN DIEGO, CA 92110
Total Tanks: 0001

Tank Num: 001
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual

67 **EDR US Hist Auto Stat** **1015547938**
5444 NAPA ST **N/A**
SAN DIEGO, CA 92110

EDR Historical Auto Stations:
Name: SYNDICATE AUTOMOTIVE CONCEPTS
Year: 2011
Address: 5444 NAPA ST

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67 **CANTEEN OF SAN DIEGO** **CA SWEEPS UST** **S105033376**
5444 NAPA ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:
Status: Not reported
Comp Number: 4655
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004655-000001
Tank Status: Not reported
Capacity: 7000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 104655
Business Type: 6HK18
EPA Id Number: Not reported
APN: 436-500-04-00
Last HMMD Inspection: 08/05/2003
Permit Status: INAC
Permit Expiration: 10/31/2003
Facility Owner: NEIL CHEADLE
Facility Address: 5444 NAPA ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110-2617
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 104655 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 104655
Tank Type: SINGLE WALL
Additional Id: 00001
Capacity Gallons: 7000
UST Contents: REGULAR UNLEADED

CANTEEN OF SAN DIEGO (Continued) **S105033376**

Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-03-09 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Facility Id:	210959
Business Type:	6HK27
EPA Id Number:	CAL000343963
APN:	436-500-04-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	09/30/2010
Facility Owner:	PAUL JOSEPH HEGENER
Facility Address:	5444 NAPA ST
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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67 **MOSSY TOYOTA** **RCRA-SQG** **1007879233**
5252 LOVELOCK ST **CAR000158246**
SAN DIEGO, CA 92110

RCRA-SQG:

Date form received by agency:	11/09/2004
Facility name:	MOSSY TOYOTA
Facility address:	5252 LOVELOCK ST SAN DIEGO, CA 92110
EPA ID:	CAR000158246
Mailing address:	9755 CLAIREMONT MESA BLVD STE 200 SAN DIEGO, CA 92124
Contact:	DALE SNOW
Contact address:	9755 CLAIREMONT MESA BLVD STE 200 SAN DIEGO, CA 92124
Contact country:	US
Contact telephone:	858-581-4000
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

MOSSY TOYOTA (Continued) **1007879233**

Owner/Operator Summary:
Owner/operator name: LYONS REALTY WEST TOYOTA LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/09/2004
Owner/Op end date: Not reported

Owner/operator name: MOSSY AUTOMOTIVE GROUP INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2004
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

MOSSY TOYOTA (Continued) **1007879233**

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

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67 **EDR US Hist Auto Stat** **1015540256**

5252 LOVELOCK ST **N/A**
SAN DIEGO, CA 92110

EDR Historical Auto Stations:

Name: MOSSY TOYOTA COLLISION CENTER
Year: 2009
Address: 5252 LOVELOCK ST

Name: MOSSY TOYOTA COLLISION CTR
Year: 2010
Address: 5252 LOVELOCK ST

Name: MOSSY TOYOTA COLLISION CENTER
Year: 2011
Address: 5252 LOVELOCK ST

Name: MOSSY TOYOTA COLLISION CENTER
Year: 2012
Address: 5252 LOVELOCK ST

---

67 **DANITA MORAY** **CA HAZNET** **S112996354**

5605 FRIARS RD UNIT 312 **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid: S112996354
Year: 2011
GEPAID: CAC002679656
Contact: DANITA MORAY
Telephone: 6197935990

DANITA MORAY (Continued) **S112996354**

Mailing Name:	Not reported
Mailing Address:	5605 FRIARS RD UNIT 312
Mailing City,St,Zip:	SAN DIEGO, CA 92110
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego
envid:	S112996354
Year:	2011
GEPAID:	CAC002679656
Contact:	DANITA MORAY
Telephone:	6197935990
Mailing Name:	Not reported
Mailing Address:	5605 FRIARS RD UNIT 312
Mailing City,St,Zip:	SAN DIEGO, CA 92110
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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67 **COMMERCIAL FACILITIES** **CA HIST CORTESE** **S100732339**
5260 GAINES ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1736

LUST:

Region:	STATE
Global Id:	T0607300533
Latitude:	32.7642448
Longitude:	-117.1950911
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/02/1992
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1736
LOC Case Number:	H22775-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline

COMMERCIAL FACILITIES (Continued) **S100732339**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300533
Status: Open - Case Begin Date
Status Date: 07/06/1990

Global Id: T0607300533
Status: Completed - Case Closed
Status Date: 07/02/1992

Regulatory Activities:
Global Id: T0607300533
Action Type: Other
Date: 07/06/1990
Action: Leak Began

Global Id: T0607300533
Action Type: Other
Date: 07/06/1990
Action: Leak Discovery

Global Id: T0607300533
Action Type: Other
Date: 07/06/1990
Action: Leak Stopped

Global Id: T0607300533
Action Type: Other
Date: 07/06/1990
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1736
Local Case: H22775-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 07/06/1990
Date Stopped: 07/06/1990
Confirm Date: 07/06/1990
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported

COMMERCIAL FACILITIES (Continued) **S100732339**

Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/06/1990
Enforce Date: Not reported
Closed Date: 6/26/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: OCB/E
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 22775
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 22775
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-022775-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 122775
Business Type: Not reported

COMMERCIAL FACILITIES (Continued) **S100732339**

EPA Id Number:	Not reported
APN:	436-500-04-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	COMMERCIAL FACILITIES
Facility Address:	10951 SORRENTO
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 122775 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	122775
Tank Type:	UNKNOWN
Additional Id:	AT1999
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1990-06-07 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H22775-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	7/2/1992
Date Began:	7/6/1990

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67 **SMITH BROS INC** **RCRA-SQG 1000404962**
5304 BANKS ST **FINDS CAD008233249**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SMITH BROS INC
Facility address:	5304 BANKS ST SAN DIEGO, CA 92110
EPA ID:	CAD008233249
Contact:	Not reported
Contact address:	Not reported

SMITH BROS INC (Continued) **1000404962**

Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SMITH BROTHERS, INC.
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 07/24/1980
Site name: SMITH BROS INC
Classification: Large Quantity Generator

SMITH BROS INC (Continued) **1000404962**

Facility Has Received Notices of Violations:
- Regulation violated: FR - 262.10-12.A
- Area of violation: Generators - General
- Date violation determined: 12/08/1992
- Date achieved compliance: 12/08/1997
- Violation lead agency: State
- Enforcement action: Not reported
- Enforcement action date: Not reported
- Enf. disposition status: Not reported
- Enf. disp. status date: Not reported
- Enforcement lead agency: Not reported
- Proposed penalty amount: Not reported
- Final penalty amount: Not reported
- Paid penalty amount: Not reported

Evaluation Action Summary:
- Evaluation date: 08/22/2003
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State Contractor/Grantee

- Evaluation date: 12/08/1992
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Generators - General
- Date achieved compliance: 12/08/1997
- Evaluation lead agency: State Contractor/Grantee

- Evaluation date: 07/31/1992
- Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
- Area of violation: Not reported
- Date achieved compliance: Not reported
- Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002630430

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SAN DIEGO CO. HMMD:
- Facility Id: 100071
- Business Type: 6HK35
- EPA Id Number: CAD008233249

SMITH BROS INC (Continued) **1000404962**

APN:	436-453-01-00
Last HMMD Inspection:	04/16/2009
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	CORPORATION
Facility Address:	5304 BANKS ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4008
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	100071
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	100071
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	DISTILLATION BOTTOMS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100071
Update Date:	11/02/2012
Case Number:	8032-32-4
Name:	WASTE 213 HYDROCARBON SOLVENTS
Other Information:	PARTS WASHER NAPTHA SOLVENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	100071
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS
Other Information:	COMPRESSED GASSES: CUTTING TORCH
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	100071
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, CUTTING

SMITH BROS INC (Continued) **1000404962**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 100071
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 100071
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OILY WATER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 100071
Update Date: 11/02/2012
Inspection Date: 03/26/2007
Violation Code: 6HV0307
Violation: ILLEGAL DISPOSAL OF UNIVERSAL WASTE
Violation Citation: Disposal of universal waste to an unauthorized point. 25189.5(a); SQH:66273.11(a); LQH: 66273.31(a)
Activity: ACTIVE

Facility Id: 100071
Update Date: 11/02/2012
Inspection Date: 03/26/2007
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 100071
Update Date: 11/02/2012
Inspection Date: 03/26/2007
Violation Code: 6HV1016
Violation: ER RESPONSE PLAN NOT ADEQUATE
Violation Citation: Failure to have an adequate emergency response plan 25504 (b); 2731
Activity: ACTIVE

67 **CALIFORNIA HIGHWAY PATROL** **CA AST** **A100345590**
4902 PACIFIC HY **N/A**
SAN DIEGO, CA 92110

AST:
Certified Unified Program Agencies: San Diego
Owner: CALIFORNIA HIGHWAY PATROL
Total Gallons: 12570

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67 **CALIFORNIA HIGHWAY PATROL** **CA HIST UST** **U001572822**
4902 PACIFIC HWY **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**

HIST UST:
Region: STATE
Facility ID: 00000035436
Facility Type: Other
Other Type: CHP
Contact Name: Not reported
Telephone: 9163225310
Owner Name: CALIFORNIA HIGHWAY PATROL
Owner Address: P.O. BOX 898
Owner City,St,Zip: SACRAMENTO, CA 95804
Total Tanks: 0001

Tank Num: 001
Container Num: 645-3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 001
Container Num: 645-1
Year Installed: 1974
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 645-2
Year Installed: 1974
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

SWEEPS UST:
Status: Active
Comp Number: 3851
Number: 9
Board Of Equalization: 44-000236
Referral Date: Not reported
Action Date: 06-26-92

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003851-000001
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	W
Content:	REG UNLEADED
Number Of Tanks:	1

Status:	Not reported
Comp Number:	3851
Number:	Not reported
Board Of Equalization:	44-000236
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003851-000002
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	103851
Business Type:	6HK26
EPA Id Number:	CAL000012692
APN:	436-740-01-00
Last HMMD Inspection:	07/27/2009
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	CALIFORNIA HIGHWAY PATROL
Facility Address:	4902 PACIFIC HY
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4004
UST Owner:	CALIFORNIA HIGHWAY PATROL
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103851 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103851
Tank Type:	SINGLE WALL
Additional Id:	645-3/AT5239
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2006-06-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 103851 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103851
Tank Type:	UNKNOWN
Additional Id:	AT2408
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-10-15 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	103851
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED, 87 OCTANE GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	103851
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103851
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	USED LEAD ACID BATTERIES/MOSSY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103851
Update Date:	11/02/2012

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Case Number:	10042-76-9
Name:	FUSES (FLARES)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	103851
Update Date:	11/02/2012
Case Number:	8005-05-9
Name:	OIL, LUBRICATING: MOTOR OIL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Facility Id:	103851
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE, LIQUIFIED PETROLEUM: COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	103851
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS - FILTER RECYCLING
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103851
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL - FILTER RECYCLING
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	05/16/2007
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3116
Violation:	NO YRLY CERT. FOR CONTIN. MONITOR
Violation Citation:	Annual certification for continuous monitoring system not completed (new tanks). 25284.1(a)(4)(C); 2630(d), 2638
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3322
Violation:	TEMP CLOSURE REQS. NOT COMPLETED
Violation Citation:	Temporary closure requirements not completed. 25298, 2671
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3324
Violation:	UNUSED TANK NOT PROPERLY CLOSED
Violation Citation:	Unused tank not properly closed. Permanent closure requirements not met. 25298, 2672
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	05/16/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3324
Violation:	UNUSED TANK NOT PROPERLY CLOSED
Violation Citation:	Unused tank not properly closed. Permanent closure requirements not met. 25298, 2672
Activity:	ACTIVE
Facility Id:	103851

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	09/24/2003
Violation Code:	6HV3112
Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	ACTIVE

Facility Id:	103851
Business Type:	6HK26
EPA Id Number:	CAL000012692
APN:	436-740-01-00
Last HMMD Inspection:	07/27/2009
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	CALIFORNIA HIGHWAY PATROL
Facility Address:	4902 PACIFIC HY
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4004
UST Owner:	CALIFORNIA HIGHWAY PATROL
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103851 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103851
Tank Type:	SINGLE WALL
Additional Id:	645-3/AT5239
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Remove Close Date: 2006-06-01 00:00:00
Year Installed: Not reported
Pipe Type: DOUBLE WALL
Delivery System: PRESSURE
Monitor Code: 15
UST Monitor Method: SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name: UNDERGROUND TANK 103851 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103851
Tank Type: UNKNOWN
Additional Id: AT2408
Capacity Gallons: 500
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1991-10-15 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:
Facility Id: 103851
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED, 87 OCTANE GASOLINE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 103851
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103851
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES/MOSSY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103851
Update Date: 11/02/2012
Case Number: 10042-76-9
Name: FUSES (FLARES)

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 103851
Update Date: 11/02/2012
Case Number: 8005-05-9
Name: OIL, LUBRICATING: MOTOR OIL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103851
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE, LIQUIFIED PETROLEUM: COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 103851
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS - FILTER RECYCLING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103851
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL - FILTER RECYCLING
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 103851
Update Date: 11/02/2012
Inspection Date: 05/16/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity: ACTIVE

Facility Id: 103851
Update Date: 11/02/2012
Inspection Date: 07/28/2005
Violation Code: 6HV3115
Violation: NO 2NDARY CONTAINMT. TEST/REPAIRS

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3116
Violation:	NO YRLY CERT. FOR CONTIN. MONITOR
Violation Citation:	Annual certification for continuous monitoring system not completed (new tanks). 25284.1(a)(4)(C); 2630(d), 2638
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3322
Violation:	TEMP CLOSURE REQS. NOT COMPLETED
Violation Citation:	Temporary closure requirements not completed. 25298, 2671
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3324
Violation:	UNUSED TANK NOT PROPERLY CLOSED
Violation Citation:	Unused tank not properly closed. Permanent closure requirements not met. 25298, 2672
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	05/16/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3191
Violation:	NO D.O. CERT/NOTIFICATION/CHANGE
Violation Citation:	Designated Operator Notification/Change form not submitted and/or D.O. not ICC certified. 2715 (a)(b)
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	04/27/2006
Violation Code:	6HV3324
Violation:	UNUSED TANK NOT PROPERLY CLOSED
Violation Citation:	Unused tank not properly closed. Permanent closure requirements not met. 25298, 2672
Activity:	ACTIVE

Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005

CALIFORNIA HIGHWAY PATROL (Continued) **U001572822**

Violation Code:	6HV3110
Violation:	NO ANNUAL CERT OF ATG AND SENSORS
Violation Citation:	Annual certification for ATG and/or sensors not completed (existing tank systems only). 2641(j), 2638
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	103851
Update Date:	11/02/2012
Inspection Date:	09/24/2003
Violation Code:	6HV3112
Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	ACTIVE

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67 **LISA PETTY** **CA HAZNET** **S113793893**
5645 FRIARS RD UNIT 380 **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid:	S113793893
Year:	2012
GEPAID:	CAC002712650
Contact:	LISA PETTY
Telephone:	6198139055
Mailing Name:	Not reported
Mailing Address:	5645 FRIARS RD UNIT 380
Mailing City,St,Zip:	SAN DIEGO, CA 921102541
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

67 **ANTHONY'S FISH GROTTO** **CA HIST UST** **U001572814**
5232 LOVELOCK ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST UST:

Region:	STATE
Facility ID:	00000012152
Facility Type:	Other
Other Type:	RESTAURANT-COMMISSAR
Contact Name:	Not reported
Telephone:	6192917254
Owner Name:	ANTHONY'S FISH GROTTO
Owner Address:	5232 LOVELOCK STREET
Owner City,St,Zip:	SAN DIEGO, CA 92110
Total Tanks:	0001
Tank Num:	001
Container Num:	G-1
Year Installed:	Not reported
Tank Capacity:	00007000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None

SWEEPS UST:

Status:	Active
Comp Number:	2844
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	2844
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002844-000001
Tank Status:	Not reported
Capacity:	7000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED

ANTHONY'S FISH GROTTO (Continued) **U001572814**

Number Of Tanks: 1

SAN DIEGO CO. HMMD:

Facility Id:	102844
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	436-440-18-00
Last HMMD Inspection:	07/19/2001
Permit Status:	INAC
Permit Expiration:	01/31/2004
Facility Owner:	ANTHONY'S FISH GROTTO
Facility Address:	5232 LOVELOCK ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4011
UST Owner:	ANTONIY'S FISH GROTTO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102844 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102844
Tank Type:	UNKNOWN
Additional Id:	G-1
Capacity Gallons:	7000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H02844-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	12/19/1986
Date Began:	8/20/1986

67 **ANTHONY'S FISH GROTTO** **CA HIST CORTESE** **S104160527**
5232 LOVELOCK ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SLIC**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT13

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT13
Local Case: H02844-001
Substance: 0
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Close Tank
Source: Piping
Cause: Not reported
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 08/27/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 12/15/86
Began Monitor: Not reported
Release Date: 08/27/1986
Enforce Date: Not reported
Closed Date: 12/19/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/19/1986
Global Id: T0607300186
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02844-001
Latitude: 32.764849
Longitude: -117.202106

ANTHONY'S FISH GROTTO (Continued) **S104160527**

Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT13
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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67 **SPATIG FRANK TEXACO SERVICE** **EDR US Hist Auto Stat** **1008997427**
5110 LINDA VISTA TER **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	HILL 0 JACK TEXACO SERVICE
Year:	1966
Type:	GASOLINE STATIONS
Name:	SPATIG FRANK TEXACO SERVICE
Year:	1970
Type:	GASOLINE STATIONS

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67 **DANNY S GAS MARKET** **EDR US Hist Auto Stat** **1008997942**
5110 LINDA VISTA RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	DANNY S GAS MARKET
Year:	1961
Type:	GASOLINE STATIONS
Name:	SPATIG FRANK TEXACO SERVICE
Year:	1975
Type:	GASOLINE STATIONS

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67 **SAN DIEGO BOAT MOVERS** **CA SWEEPS UST** **S104751106**
5405 NAPA ST **CA CHMIRS** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**

SWEEPS UST:

Status:	Active
Comp Number:	26570
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported

SAN DIEGO BOAT MOVERS (Continued) **S104751106**

STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	26570
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-026570-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

CHMIRS:

OES Incident Number:	012672
OES notification:	Not reported
OES Date:	3/7/1996
OES Time:	06:35:37 PM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	san diego river
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported

SAN DIEGO BOAT MOVERS (Continued) **S104751106**

What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	fci constructors
Incident Date:	1800/3-7-96
Admin Agency:	Not reported
Amount:	unknown
Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	trichlorylethelene
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	noticed level changes during draining process.

SAN DIEGO CO. HMMD:

Facility Id:	126570
Business Type:	6HK26
EPA Id Number:	CAL000088852
APN:	436-490-18-00
Last HMMD Inspection:	11/15/1995
Permit Status:	INAC
Permit Expiration:	11/15/1995
Facility Owner:	TREBON INC
Facility Address:	5405 NAPA ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-2618
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 126570 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	126570

SAN DIEGO BOAT MOVERS (Continued) **S104751106**

Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-12-23 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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67 **SEARS LOGISTICS SERVICES, INC.** **CA HIST CORTESE** **S103988224**
960 SHERMAN ST **CA SLIC** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT465

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/18/1986
Global Id:	T0607302767
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21164-001
Latitude:	32.765042
Longitude:	-117.200324
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT465
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	121164
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	436-440-04-00
Last HMMD Inspection:	11/20/2000
Permit Status:	INAC
Permit Expiration:	12/31/2003
Facility Owner:	SEARS LOGISTICS SERVICES, INC.
Facility Address:	960 SHERMAN ST
Facility City:	SAN DIEGO

SEARS LOGISTICS SERVICES, INC. (Continued) **S103988224**

Facility State:	CA
Facility Zip:	92110-4015
UST Owner:	SEARS & ROEBUCK
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121164 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121164
Tank Type:	UNKNOWN
Additional Id:	Not reported
Capacity Gallons:	500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Facility Id:	207164
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	436-440-04-00
Last HMMD Inspection:	05/10/2010
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	SEARS HOLDINGS CORP
Facility Address:	3333 BEVERLY RD B5-362A
Facility City:	HOFFMAN ESTATES
Facility State:	IL
Facility Zip:	60179
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207164
Update Date:	11/02/2012
Case Number:	Not reported
Name:	LEAD ACID BATTERIES
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	EXTREMELY HAZARDOUS

SEARS LOGISTICS SERVICES, INC. (Continued) **S103988224**

Facility Id:	207164
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

SAN DIEGO CO. SAM:

Case Number:	H21164-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	12/18/1986
Date Began:	12/2/1986

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67 **SEARS & ROEBUCK** **CA LUST** **S102436651**
960 SHERMAN ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT465
Local Case:	H21164-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	11/21/1986
Date Stopped:	11/21/1986
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	12/02/1986
Enforce Date:	Not reported
Closed Date:	12/23/86
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.10
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.

SEARS & ROEBUCK (Continued) **S102436651**

File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 21164
Number: 9
Board Of Equalization: 44-023465
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 21164
Number: Not reported
Board Of Equalization: 44-023465
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021164-000001
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

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67 **GOODWILL INDUSTRIES OF SAN DIEGO CNTY** **RCRA-LQG 1016675013**
960 SHERMAN ST **FINDS CAR000246520**
SAN DIEGO, CA 92110

RCRA-LQG:
Date form received by agency: 05/06/2014
Facility name: GOODWILL INDUSTRIES OF SAN DIEGO CNTY
Facility address: 960 SHERMAN ST
STE C
SAN DIEGO, CA 92110
EPA ID: CAR000246520
Mailing address: 3663 ROSECRANS ST
SAN DIEGO, CA 92110
Contact: ROBERT E KRUSE
Contact address: 5232 LOVELOCK ST
SAN DIEGO, CA 92110
Contact country: US

GOODWILL INDUSTRIES OF SAN DIEGO CNTY (Continued) **1016675013**

Contact telephone:	619-225-2200
Telephone ext.:	307
Contact email:	KRUSE@SDGOODWILL.ORG
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	GOODWILL INDUSTRIES OF SAN DIEGO CNTY
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2014
Owner/Op end date:	Not reported

Owner/operator name:	TERMINAL FREIGHT HANDLING CO DBA SEARS
Owner/operator address:	3333 BEVERLY RD HOFFMAN ESTATES, 60179
Owner/operator country:	US
Owner/operator telephone:	847-286-2500
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1952
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

GOODWILL INDUSTRIES OF SAN DIEGO CNTY (Continued) **1016675013**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D013
. Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET OXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

GOODWILL INDUSTRIES OF SAN DIEGO CNTY (Continued) **1016675013**

. Waste code: U188
. Waste name: PHENOL

. Waste code: U248
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Violation Status: No violations found

FINDS:

Registry ID: 110059767809

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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67 **NANETTE REED-DEMERS** **CA HAZNET** **S113786428**
5705 FRIARS RD UNIT 16 **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid:	S113786428
Year:	2012
GEPAID:	CAC002701952
Contact:	NANETTE REED-DEMERS
Telephone:	8583441611
Mailing Name:	Not reported
Mailing Address:	5705 FRIARS RD UNIT 16
Mailing City,St,Zip:	SAN DIEGO, CA 92110
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

67 **EDR US Hist Auto Stat** **1015545453**
5390 NAPA ST **N/A**
SAN DIEGO, CA 92110

EDR Historical Auto Stations:

Name:	EXCLUSIVE AUTO
Year:	2001
Address:	5390 NAPA ST
Name:	XCLUSIV AUTO CTR
Year:	2003
Address:	5390 NAPA ST

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67 **PM CHEMICAL COMPANY INC.** **CA HIST UST** **U001572857**
5325 GRANT ST **N/A**
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000040191
Facility Type:	Other
Other Type:	CHEMICAL CMPND.
Contact Name:	JOHN MEHREN
Telephone:	6192960191
Owner Name:	PM CHEMICAL COMPANY INC.
Owner Address:	5325 GRANT STREET
Owner City,St,Zip:	SAN DIEGO, CA 92110
Total Tanks:	0001
Tank Num:	001
Container Num:	GT-001
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual

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67 **P M CHEMICAL CO INC** **CA SWEEPS UST** **S104744980**
5325 GRANT ST **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:

Status:	Active
Comp Number:	380
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported

P M CHEMICAL CO INC (Continued) **S104744980**

Number Of Tanks: Not reported

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67 **SHERWIN-WILLIAMS CO THE** **RCRA-SQG 1000371798**
5228 RILEY ST **FINDS CAD063115182**
SAN DIEGO, CA 92110

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SHERWIN-WILLIAMS CO THE
Facility address:	5228 RILEY ST SAN DIEGO, CA 92110
EPA ID:	CAD063115182
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	THE SHERWIN WILLIAMS CO
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

SHERWIN-WILLIAMS CO THE (Continued) **1000371798**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/18/1980
Site name: SHERWIN-WILLIAMS CO THE
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/22/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002653361

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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67 **VALLEY VINTNERS WINE CO** **CA SWEEPS UST** **S104163974**
5202 LOVELOCK ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:
Status: Active
Comp Number: 21160
Number: 9
Board Of Equalization: 44-017870
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported

VALLEY VINTNERS WINE CO (Continued) **S104163974**

Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	21160
Number:	Not reported
Board Of Equalization:	44-017870
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021160-000001
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	121160
Business Type:	Not reported
EPA Id Number:	CAL000089550
APN:	436-440-16-00
Last HMMD Inspection:	01/06/1999
Permit Status:	INAC
Permit Expiration:	01/06/1999
Facility Owner:	MIDCAL ALUMINUM INC
Facility Address:	5202 LOVELOCK ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4011
UST Owner:	MIDCAL ALUMINUM INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121160 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121160
Tank Type:	SINGLE WALL
Additional Id:	ONE
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-11-09 00:00:00
Year Installed:	1983-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported

VALLEY VINTNERS WINE CO (Continued) **S104163974**

Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

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67 **VALLEY VINTNERS WINE CO.** **CA HIST UST** **U001572877**
5202 LOVELOCK ST **N/A**
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000008990
Facility Type:	Other
Other Type:	WHOLESALE LIQUOR & W
Contact Name:	G. R. HIGH
Telephone:	6192974904
Owner Name:	MIDCAL ALUMINUM, INC., DBA VAL
Owner Address:	5202 LOVELOCK ST.
Owner City,St,Zip:	SAN DIEGO, CA 92110
Total Tanks:	0001
Tank Num:	001
Container Num:	ONE
Year Installed:	1983
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

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67 **PRESIDIO PLACE CONDO ASSOC** **CA HAZNET** **S113053704**
5765 FRIARS ROAD **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid:	S113053704
Year:	1994
GEPAID:	CAL000082668
Contact:	PRESIDIO PLACE CONDO ASSOC
Telephone:	6196921625
Mailing Name:	Not reported
Mailing Address:	5645 FRIARS RD #403
Mailing City,St,Zip:	SAN DIEGO, CA 921101853
Gen County:	Not reported
TSD EPA ID:	AZD049318009
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Transfer Station
Tons:	.0834
Facility County:	San Diego
envid:	S113053704
Year:	1994
GEPAID:	CAL000082668
Contact:	PRESIDIO PLACE CONDO ASSOC
Telephone:	6196921625

PRESIDIO PLACE CONDO ASSOC (Continued) **S113053704**

Mailing Name: Not reported
Mailing Address: 5645 FRIARS RD #403
Mailing City,St,Zip: SAN DIEGO, CA 921101853
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Tons: .0208
Facility County: San Diego

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67 **FORMER TEXACO STATION** **CA LUST S109277134**
845 MORENA BL **CA SLIC N/A**
SAN DIEGO, CA 92110 **CA SAN DIEGO CO. SAM**

LUST:
Region: STATE
Global Id: T10000001812
Latitude: 32.7650689
Longitude: -117.197746
Case Type: LUST Cleanup Site
Status: Open - Site Assessment
Status Date: 02/08/2010
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: CH
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
LOC Case Number: H39730-002
File Location: Not reported
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Diesel, Gasoline
Site History: This case was opened in February 2010, after the laboratory results from a Supplemental Subsurface Assessment Report dated September 2008 indicated that soil and groundwater in the general area of the former underground storage tanks were impacted with petroleum hydrocarbons. Total petroleum hydrocarbons (TPH) as gasoline were detected at a maximum of 6,600 mg/kg in the soil and TPH as diesel was detected a maximum of 1,500 mg/kg. Gasoline related compounds, benzene (5,300 ug/l), ethylbenzene (970 ug/l), toluene (8,910 ug/l) and tert-butyl alcohol (3,300 ug/l) were also detected in groundwater. The site was a Texaco Station prior to 1979.

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T10000001812
Contact Type: Local Agency Caseworker
Contact Name: COLLEEN HINES
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: SAN DIEGO
Email: colleen.hines@sdcounty.ca.gov
Phone Number: 8585056874

Status History:
Global Id: T10000001812
Status: Open - Site Assessment
Status Date: 02/08/2010

FORMER TEXACO STATION (Continued) **S109277134**

Global Id: T10000001812
Status: Open - Case Begin Date
Status Date: 02/08/2010

Regulatory Activities:
Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 03/01/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 02/04/2010
Action: Notice of Responsibility

Global Id: T10000001812
Action Type: RESPONSE
Date: 08/31/2010
Action: Preliminary Site Assessment Workplan

Global Id: T10000001812
Action Type: RESPONSE
Date: 01/08/2014
Action: Site Assessment Report - Regulator Responded

Global Id: T10000001812
Action Type: RESPONSE
Date: 11/03/2014
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 09/15/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 11/02/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 05/17/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: Other
Date: 06/15/2006
Action: Leak Discovery

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 03/30/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: ENFORCEMENT

FORMER TEXACO STATION (Continued) **S109277134**

Date: 07/20/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T10000001812
Action Type: RESPONSE
Date: 09/28/2012
Action: Soil and Water Investigation Workplan

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 10/08/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: Other
Date: 02/08/2010
Action: Leak Reported

Global Id: T10000001812
Action Type: RESPONSE
Date: 04/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 07/10/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: RESPONSE
Date: 01/07/2014
Action: Well Installation Report

Global Id: T10000001812
Action Type: ENFORCEMENT
Date: 01/07/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T10000001812
Action Type: RESPONSE
Date: 08/16/2010
Action: Preliminary Site Assessment Workplan

Global Id: T10000001812
Action Type: RESPONSE
Date: 10/17/2011
Action: Site Assessment Report - Regulator Responded

Global Id: T10000001812
Action Type: RESPONSE
Date: 03/20/2011
Action: Site Assessment Report - Regulator Responded

FORMER TEXACO STATION (Continued) **S109277134**

Global Id: T10000001812
Action Type: RESPONSE
Date: 05/11/2011
Action: Soil and Water Investigation Workplan - Regulator Responded

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/04/2010
Global Id: T10000000448
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H39730-001
Latitude: 32.8043427
Longitude: -117.213051
Case Type: Cleanup Program Site
Case Worker: EB
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: This was opened as a Voluntary Assistance Case. Due to the discovery that this release is associated with a former UST site, this case was administratively closed and case H39730-002 was opened under the Local Oversight program. Please see that case for information.

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. SAM:
Case Number: H39730-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/4/2010
Date Began: 9/23/2008

Case Number: H39730-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Preliminary Assessment
Date: 1/26/2010
Date Began: 8/23/2006

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67 **HOBART CORPORATION** **CA HIST CORTESE** **S101302102**
5390 NAPA ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT602

HOBART CORPORATION (Continued) **S101302102**

LUST:

Region:	STATE
Global Id:	T0607302889
Latitude:	32.7650316882111
Longitude:	-117.196027636528
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/18/2006
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT602
LOC Case Number:	H03122-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Stoddard solvent / Mineral Spriits / Distillates
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302889
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607302889
Status:	Completed - Case Closed
Status Date:	10/18/2006
Global Id:	T0607302889
Status:	Open - Case Begin Date
Status Date:	09/24/1986

Regulatory Activities:

Global Id:	T0607302889
Action Type:	Other
Date:	09/24/1986
Action:	Leak Began
Global Id:	T0607302889
Action Type:	Other
Date:	09/24/1986
Action:	Leak Discovery
Global Id:	T0607302889
Action Type:	ENFORCEMENT
Date:	09/24/1986
Action:	Notice of Responsibility
Global Id:	T0607302889

HOBART CORPORATION (Continued) **S101302102**

Action Type: Other
Date: 09/24/1986
Action: Leak Stopped

Global Id: T0607302889
Action Type: ENFORCEMENT
Date: 07/27/2005
Action: Notice of Responsibility

Global Id: T0607302889
Action Type: Other
Date: 09/24/1986
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Remediation Plan
Case Number: 9UT602
Local Case: H03122-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 09/18/1986
Date Stopped: 09/18/1986
Confirm Date: 09/24/1986
Submit Workplan: Not reported
Prelim Assess: 12/30/1986
Desc Pollution: Not reported
Remed Plan: 08/20/1987
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/18/1986
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 11'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 1B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 209639

HOBART CORPORATION (Continued) **S101302102**

Business Type:	6HK18
EPA Id Number:	CAL000336348
APN:	436-350-32-00
Last HMMD Inspection:	09/18/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	LARRY WEBB
Facility Address:	5390 NAPA ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	209639
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	WASTE INK/THINNER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	09/18/2012
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	08/18/2008
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	08/18/2008
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

HOBART CORPORATION (Continued) **S101302102**

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	08/18/2008
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	08/18/2008
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	08/18/2008
Violation Code:	6HV0302
Violation:	HAZWASTE:UNLAWFUL TRANSPORTATION
Violation Citation:	Hazardous waste generator has unlawfully transported hazardous waste. HSC 25163(a)
Activity:	ACTIVE

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	08/18/2008
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Facility Id:	209639
Update Date:	11/02/2012
Inspection Date:	08/18/2008
Violation Code:	6HV0141
Violation:	OPERATING TSDF W/O AUTHORIZATION
Violation Citation:	Operating a Treatment, Storage, Disposal Facility without receiving written authorization from Cal-EPA. HSC 25201(a)
Activity:	ACTIVE

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67 **HOBART SALES/SERVICE CENTER** **CA HIST UST** **U001572842**
5390 NAPA ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST UST:

Region:	STATE
Facility ID:	00000060575
Facility Type:	Other
Other Type:	FOOD SALES
Contact Name:	BILL HAYWARD
Telephone:	6192999500

HOBART SALES/SERVICE CENTER (Continued) **U001572842**

Owner Name: HOBART SALES/SERVICE CENTER
Owner Address: 5390 NAPA STREET
Owner City,St,Zip: SAN DIEGO, CA 92110
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual

SWEEPS UST:
Status: Active
Comp Number: 3122
Number: 9
Board Of Equalization: 44-021800
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3122
Number: Not reported
Board Of Equalization: 44-021800
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003122-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 3

Status: Not reported
Comp Number: 3122
Number: Not reported
Board Of Equalization: 44-021800
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

HOBART SALES/SERVICE CENTER (Continued) **U001572842**

SWRCB Tank Id: 37-000-003122-000002
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 3122
Number: Not reported
Board Of Equalization: 44-021800
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003122-000003
Tank Status: Not reported
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 103122
Business Type: Not reported
EPA Id Number: Not reported
APN: 436-350-32-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: HOBART SALES/SERVICE CENTER
Facility Address: 5390 NAPA ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110-2616
UST Owner: HOBART SALES/SERVICE CENTER
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103122 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103122
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 2000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED

HOBART SALES/SERVICE CENTER (Continued) **U001572842**

Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	24
UST Monitor Method:	VISUAL MONITORING: DAILY (MINIMUM) LOG OF INSPECTIONS
UST Name:	UNDERGROUND TANK 103122 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103122
Tank Type:	UNKNOWN
Additional Id:	Not reported
Capacity Gallons:	4000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103122 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103122
Tank Type:	UNKNOWN
Additional Id:	Not reported
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H03122-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**POP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	10/18/2006
Date Began:	9/24/1986

67 **EDR US Hist Cleaners** **1009130362**
855 MORENA BLVD **N/A**
SAN DIEGO, CA 92110

EDR Historical Cleaners:

Name:	SIR TUC S
Year:	1970
Type:	CLEANERS AND DYERS
Name:	TOPS CLEANERS
Year:	1975
Type:	CLEANERS AND DYERS
Name:	TOPS CLEANERS
Year:	1980
Type:	CLEANERS AND DYERS
Name:	TOPS CLEANERS
Year:	2007
Address:	855 MORENA BLVD
Name:	TOPS CLEANERS
Year:	2008
Address:	855 MORENA BLVD
Name:	TOPS CLEANERS
Year:	2010
Address:	855 MORENA BLVD
Name:	TOPS CLEANERS
Year:	2011
Address:	855 MORENA BLVD
Name:	TOPS CLEANERS
Year:	2012
Address:	855 MORENA BLVD
Name:	VIP CLEANERS & LAUNDRY
Year:	2012
Address:	855 MORENA BLVD

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67 **TOPS CLEANERS** **RCRA-SQG** **1000374381**
855 MORENA BLVD **FINDS** **CAD981618226**
SAN DIEGO, CA 92110 **CA SLIC**
CA San Diego Co. HMMD
CA HAZNET
CA EMI
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	TOPS CLEANERS
Facility address:	855 MORENA BLVD SAN DIEGO, CA 92110
EPA ID:	CAD981618226
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported

TOPS CLEANERS (Continued) **1000374381**

Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ASHIQ ALI AND AMIR ALI
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/08/1986
Site name: TOPS CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

TOPS CLEANERS (Continued) **1000374381**

Evaluation Action Summary:
Evaluation date: 02/27/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002725908

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/28/2014
Global Id: SLT19712881
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H00607-001
Latitude: 32.765476
Longitude: -117.198062
Case Type: Cleanup Program Site
Case Worker: NS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: * Chlorinated Hydrocarbons
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 100607
Business Type: 6HK53
EPA Id Number: CAD981618226
APN: 436-460-08-00
Last HMMD Inspection: 10/28/2008
Permit Status: INAC
Permit Expiration: 03/31/2009
Facility Owner: TED NESTOR

TOPS CLEANERS (Continued) **1000374381**

Facility Address:	855 MORENA BL
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-2610
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	100607
Update Date:	11/02/2012
Inspection Date:	05/08/2007
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	Inactive Permit

HAZNET:

envid:	1000374381
Year:	2008
GEPAID:	CAD981618226
Contact:	TED NESTOR
Telephone:	6192954720
Mailing Name:	Not reported
Mailing Address:	855 MORENA BLVD
Mailing City,St,Zip:	SAN DIEGO, CA 921102610
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.095
Facility County:	San Diego

envid:	1000374381
Year:	2007
GEPAID:	CAD981618226
Contact:	TED NESTOR
Telephone:	6192954720
Mailing Name:	Not reported
Mailing Address:	855 MORENA BLVD
Mailing City,St,Zip:	SAN DIEGO, CA 921102610
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.42
Facility County:	San Diego

TOPS CLEANERS (Continued) **1000374381**

envid: 1000374381
Year: 2007
GEPAID: CAD981618226
Contact: TED NESTOR
Telephone: 6192954720
Mailing Name: Not reported
Mailing Address: 855 MORENA BLVD
Mailing City,St,Zip: SAN DIEGO, CA 921102610
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.39
Facility County: San Diego

envid: 1000374381
Year: 2006
GEPAID: CAD981618226
Contact: TED NESTOR
Telephone: 6192954720
Mailing Name: Not reported
Mailing Address: 855 MORENA BLVD
Mailing City,St,Zip: SAN DIEGO, CA 921102610
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2
Facility County: San Diego

envid: 1000374381
Year: 2006
GEPAID: CAD981618226
Contact: TED NESTOR
Telephone: 6192954720
Mailing Name: Not reported
Mailing Address: 855 MORENA BLVD
Mailing City,St,Zip: SAN DIEGO, CA 921102610
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.3
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
17 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1999
County Code: 37
Air Basin: SD

TOPS CLEANERS (Continued) **1000374381**

Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

TOPS CLEANERS (Continued) **1000374381**

Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.288225
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

TOPS CLEANERS (Continued) **1000374381**

Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.49
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.49
Reactive Organic Gases Tons/Yr:	.342314
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.49
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1042

TOPS CLEANERS (Continued) **1000374381**

Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.48999999999999999
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1042
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.48999999999999999
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H00607-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Preliminary Assessment
Date:	10/11/2006
Date Began:	10/11/2006

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67 **EDR US Hist Auto Stat** **1015547589**

5433 GAINES ST **N/A**
SAN DIEGO, CA 92110

EDR Historical Auto Stations:

Name:	EVANS TIRE & SERVICE CENTERS
Year:	1999
Address:	5433 GAINES ST

Name:	EVANS TIRE & SERVICE CENTERS
Year:	2000
Address:	5433 GAINES ST

67 **BLUE PURPOISE MARINE** **RCRA-SQG** **1000198256**
5545 GAINES ST **FINDS** **CAD982489163**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**

RCRA-SQG:

Date form received by agency:	04/27/1990
Facility name:	BLUE PURPOISE MARINE
Facility address:	5545 GAINES ST SAN DIEGO, CA 92110
EPA ID:	CAD982489163
Contact:	ENVIRONMENTAL MANAGER
Contact address:	5545 GAINES ST SAN DIEGO, CA 92110
Contact country:	US
Contact telephone:	(619) 297-3222
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MANUEL R CINTAS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

BLUE PURPOISE MARINE (Continued) **1000198256**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002829011

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SAN DIEGO CO. HMMD:

Facility Id:	129931
Business Type:	6HK33
EPA Id Number:	CAD982489163
APN:	436-540-03-00
Last HMMD Inspection:	11/30/1993
Permit Status:	INAC
Permit Expiration:	05/31/1994
Facility Owner:	MANUEL CINTAS
Facility Address:	5545 GAINES ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-2510
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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67 **PAPER RECOVERY OF SAN DIEGO** **CA HIST CORTESE** **S104160542**
5222 LOVELOCK ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1845

LUST:

Region:	STATE
Global Id:	T0607300630
Latitude:	32.765232
Longitude:	-117.20259

PAPER RECOVERY OF SAN DIEGO (Continued) **S104160542**

Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/30/1991
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT1845
LOC Case Number:	H00518-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300630
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	nasser.sionit@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607300630
Status:	Open - Case Begin Date
Status Date:	10/30/1990
Global Id:	T0607300630
Status:	Completed - Case Closed
Status Date:	05/30/1991

Regulatory Activities:

Global Id:	T0607300630
Action Type:	Other
Date:	10/30/1990
Action:	Leak Began
Global Id:	T0607300630
Action Type:	Other
Date:	10/30/1990
Action:	Leak Discovery
Global Id:	T0607300630
Action Type:	Other
Date:	10/30/1990
Action:	Leak Stopped
Global Id:	T0607300630
Action Type:	Other
Date:	10/30/1990
Action:	Leak Reported
Global Id:	T0607300630
Action Type:	ENFORCEMENT

PAPER RECOVERY OF SAN DIEGO (Continued) **S104160542**

Date: 05/30/1991
Action: Closure/No Further Action Letter

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1845
Local Case: H00518-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 10/30/1990
Date Stopped: 10/30/1990
Confirm Date: 11/09/1990
Submit Workplan: 11/9/90
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/30/1990
Enforce Date: Not reported
Closed Date: 5/30/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 30
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 518
Number: Not reported
Board Of Equalization: 44-021566
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000518-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported

PAPER RECOVERY OF SAN DIEGO (Continued) **S104160542**

Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 100518
Business Type: 6HK03
EPA Id Number: Not reported
APN: 436-440-17-00
Last HMMD Inspection: 07/17/1990
Permit Status: INAC
Permit Expiration: 07/17/1990
Facility Owner: MORENA DISTRICT ASSOCIATES
Facility Address: 5222 LOVELOCK ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110-4011
UST Owner: MORENA DISTRICT ASSOCIATES
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 100518 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100518
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 550
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1990-11-13 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: SUCTION
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Facility Id: 214394
Business Type: 6HK36
EPA Id Number: CAL000360022
APN: 436-440-17-00
Last HMMD Inspection: 01/06/2012
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: LIFESPAN TECHNOLOGY RECYCLING
Facility Address: 5222 LOVELOCK ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110

PAPER RECOVERY OF SAN DIEGO (Continued) **S104160542**

UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 214394
Update Date: 11/02/2012
Case Number: 68476-85-7
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 214394
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: WASTE BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 214394
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 860 UNIVERSAL WASTE CRTS/LAMPS/BATTERIES/ETC
Other Information: FLOURESCENT TUBES, CRTS, BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 214394
Update Date: 11/02/2012
Inspection Date: 01/06/2012
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 214394
Update Date: 11/02/2012
Inspection Date: 01/06/2012
Violation Code: 6HV1004
Violation: HMBP NOT SUBMITTED TO HMD
Violation Citation: Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity: ACTIVE

PAPER RECOVERY OF SAN DIEGO (Continued) **S104160542**

SAN DIEGO CO. SAM:
Case Number: H00518-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/30/1991
Date Began: 10/30/1990

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67 **PAPER RECOVERY OF SAN DIEGO, I** **CA HIST UST** **U001572853**
5222 LOVELOCK ST **N/A**
SAN DIEGO, CA 92110

HIST UST:
Region: STATE
Facility ID: 00000068910
Facility Type: Other
Other Type: WASTE PAPER DEALER
Contact Name: Not reported
Telephone: 6192915257
Owner Name: PETER W. GAULT%MORENA DISTRICT
Owner Address: 5222 LOVELOCK STREET
Owner City,St,Zip: SAN DIEGO, CA 92110
Total Tanks: 0001

Tank Num: 001
Container Num: 0000000001
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: 4
Container Construction Thickness: X
Leak Detection: None

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67 **MORENA VISTA REDEVELOPMENT PROJECT** **CA ENVIROSTOR** **S108407613**
LINDA VISTA ROAD & NAPA STREET **N/A**
SAN DIEGO, CA 92110

ENVIROSTOR:
Facility ID: 60000567
Status: Inactive - Action Required
Status Date: 09/11/2012
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP, US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: * Greg Holmes
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: EPA - PASI
Restricted Use: NO

MORENA VISTA REDEVELOPMENT PROJECT (Continued) **S108407613**

Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 32.7646
Longitude: -117.1977
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: Benzene Tetrachloroethylene (PCE 1,2-Dichloroethylene (cis
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL, SV
Alias Name: 60000567
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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67 **AUTO PARTS CLUB** **CA SWEEPS UST** **S104397479**
1040 N SHERMAN ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:
Status: Active
Comp Number: 4604
Number: 9
Board Of Equalization: 44-022076
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 4604
Number: Not reported
Board Of Equalization: 44-022076
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported

AUTO PARTS CLUB (Continued) **S104397479**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004604-000001
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	104604
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	436-290-23-00
Last HMMD Inspection:	01/06/1999
Permit Status:	INAC
Permit Expiration:	01/06/1999
Facility Owner:	AUTO PARTS CLUB INC.
Facility Address:	5825 OBERLIN DR #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92121-
UST Owner:	NDC DISTRIBUTORS INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104604 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104604
Tank Type:	SINGLE WALL
Additional Id:	129605
Capacity Gallons:	8000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-01-09 00:00:00
Year Installed:	1982-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

67 **NDC DISTRIBUTORS, INC** **CA HIST UST** **U001572851**
1040 SHERMAN ST **N/A**
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000004152
Facility Type:	Other
Other Type:	WHOLESALE DISTRIBUTO
Contact Name:	RICK OHL
Telephone:	6192954152
Owner Name:	NDC DISTRIBUTORS, INC.
Owner Address:	1650 E NADEAU
Owner City,St,Zip:	LOS ANGELES, CA 90001
Total Tanks:	0001
Tank Num:	001
Container Num:	129605
Year Installed:	1982
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4
Leak Detection:	None

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67 **MORENA COIN WASH** **EDR US Hist Cleaners** **1009128766**
5305 NAPA ST **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	MORENA COIN WASH
Year:	1961
Type:	LAUNDRIES-SELF SERVE

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67 **LEE S WHEEL ALIGNMENT BRAKE SHOP** **EDR US Hist Auto Stat** **1008997902**
5303 NAPA ST **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	LEE S WHEEL ALIGNMENT
Year:	1961
Type:	AUTOMOBILE REPAIRING
Name:	LEE S WHEEL ALIGNMENT BRAKE SHOP
Year:	1975
Type:	AUTOMOBILE REPAIRING

67 **SO-LUMINAIRE** **CA HIST CORTESE** **S100233051**
4909 PACIFIC **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT670

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT670
Local Case: T00748
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Remove Contents
Source: Tank
Cause: Structure Failure
Lead Agency: Local Agency
Case Type: Soil only
Date Found: / /
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 08/27/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 02/05/1987
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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67 **AAMCO TRANSMISSION** **RCRA-SQG** **1000178106**
5251 LINDA VISTA RD **FINDS** **CAD115335267**
SAN DIEGO, CA 92110

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: AAMCO TRANSMISSION
Facility address: 5251 LINDA VISTA RD
SAN DIEGO, CA 92110
EPA ID: CAD115335267

AAMCO TRANSMISSION (Continued) **1000178106**

Mailing address: LINDA VISTA RD
SAN DIEGO, CA 92110
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: JANICE BUVEL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

AAMCO TRANSMISSION (Continued) **1000178106**

FINDS:

Registry ID: 110002667613

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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67 **AAMCO AUTOMATIC TRANSMISSIONS** **EDR US Hist Auto Stat** **1008997202**
5251 LINDA VISTA RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	AAMCO AUTOMATIC TRANSMISSIONS INC
Year:	1975
Type:	AUTOMOBILE REPAIRING
Name:	AAMCO AUTOMATIC TRANSMISSIONS
Year:	1980
Type:	A T S AUTOMATIC
Name:	J & R TRANSMISSIONS INC
Year:	1980
Type:	A T S AUTOMATIC
Name:	J & R TRANSMISSIONS INC
Year:	1984
Type:	A T S AUTOMATIC

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67 **AAMCO TRANSMISSIONS (FORMER)** **CA SLIC** **S104747892**
5251 LINDA VISTA RD. **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110 **CA ENVIROSTOR**
CA SAN DIEGO CO. SAM

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/11/2014
Global Id:	T0608177273
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H13561-001
Latitude:	32.765696
Longitude:	-117.196225
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Soil investigations were performed beneath a former transmission

AAMCO TRANSMISSIONS (FORMER) (Continued) **S104747892**

repair facility at 5251 Linda Vista Road, San Diego., in November 1999 and January 2014. The facility was located at the western end of a strip mall near the intersection of Linda Vista Road and Napa Street in Mission Valley. The strip mall is accessed from Linda Vista Road and an alley that adjoins its south side. Two underground storage tanks (USTs) had reportedly been located beneath or adjacent to the former repair facility. Waste oil had been stored in one of the tanks and the other had reportedly contained solvents. No information was available regarding the exact locations of the USTs at the time of the 1999 soil investigation. During the November 1999 investigation, eight angle borings and one vertical boring were advanced adjacent to the former transmission repair facility. The borings were located adjacent to the western and southern walls of the building and along the eastern wall shared with an adjoining unit. Petroleum hydrocarbon odors were noted at distances of 5 to 19 feet from the ground surface during advancement of four of the angle borings. These four borings originated at locations in the alley adjoining the southern wall of the facility. Analytical results indicated the detection of Total Recoverable Petroleum Hydrocarbons (TRPH) at a maximum concentration of 17,000 milligrams per kilogram (mg/kg). Halogenated volatile organic compounds (HVOCs), including solvents, were not detected in the soil samples. Groundwater was not encountered in the borings. Case #H13561-001 was opened under the Voluntary Assistance Program on November 30, 1999, based on the TRPH results for the soil samples. Additional subsurface investigation at the site was performed on January 7, 2014, to assess whether the former USTs were still present in the subsurface, the lateral extent of impacts from the release, the composition of the release, and to determine if groundwater was impacted. The former USTs were not detected in the subsurface by ground-penetrating radar. Seven borings were advanced within the building interior: one of the interior borings was advanced in the adjoining unit and two were advanced inside the former transmission repair facility. The three interior borings terminated at a depth of 9 feet. Four of the attempted borings encountered a condition of refusal at a depth of less than 3 feet. Four exterior borings were sampled to a depth of 20 feet. Groundwater was encountered at a depth of approximately 13 feet in the exterior borings. Analytical results indicated the highest gasoline and diesel concentrations were detected in soil samples collected from beneath a service bay in the south-central area of the former transmission repair facility. However, soil impacts did not extend beyond the building footprint to the north, east, or west. Gasoline- and diesel- range organics were detected in a soil sample collected near the capillary fringe from a boring located in the alley (i.e., south of the facility). The detected concentrations were 1,500 and 1,300 mg/kg, respectively. Gasoline-range and diesel-range organics were detected in a depth-discrete groundwater sample collected from the boring at concentrations of 1.0 and 0.55 milligrams per liter (mg/l), respectively. VOCs indicative of degraded gasoline (e.g., trimethlybenzenes, n-butylbenzene) and the fuel oxygenate TBA were detected at low concentrations in the groundwater sample. Metals concentrations in the groundwater sample were either not detected or were at low levels. The findings of the soil and groundwater investigations suggest that, prior to 1999, a petroleum hydrocarbon release occurred in the service bay of the former transmission repair facility. The release appears to have included gasoline, which has devolatilized and degraded, and

AAMCO TRANSMISSIONS (FORMER) (Continued) **S104747892**

diesel-range compounds. Analytical results for samples collected from two borings (located within the service bay and in the alley, respectively) suggest that the release migrated in a southerly direction but was of limited extent. Aromatic hydrocarbons, including benzene, were not detected in the downgradient groundwater sample. Degradation of volatile gasoline components indicates the lack of a health risk to occupants of the commercial space and limited potential to adversely impact potential water supply. Based on these considerations, the consultant has recommended no further action and case closure. DEH concurs with these recommendations.

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	113561
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-350-31-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

ENVIROSTOR:

Facility ID:	37750009
Status:	Refer: 1248 Local Agency
Status Date:	02/01/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	SAN DIEGO COUNTY
Lead Agency:	SAN DIEGO COUNTY
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.76593
Longitude:	-117.1964

AAMCO TRANSMISSIONS (FORMER) (Continued) **S104747892**

APN: 436-350-31-00
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 436-350-31-00
Alias Type: APN
Alias Name: 37750009
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 02/01/2000
Comments: DTSC is not involved with this project.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SAN DIEGO CO. SAM:
Case Number: H13561-001
Agency: DEH Site Assessment & Mitigation
Funding: **XV**
Facility Type: Soils Only
Facility Status: Preliminary Assessment
Date: 12/10/1999
Date Began: 12/10/1999

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67 **AAMCO TRANSMISSIONS** **EDR US Hist Auto Stat** **1008999738**
5251 LINDA VISTA TER **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: AAMCO TRANSMISSIONS
Year: 1970
Type: AUTOMOBILE REPAIRING

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67 **BAY PARK TOWING** **CA LUST** **S100735368**
915 MORENA BLVD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1058
Local Case: H30151-001
Substance: Gasoline

BAY PARK TOWING (Continued) **S100735368**

Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/11/1988
Date Stopped: 10/11/1988
Confirm Date: 10/11/1988
Submit Workplan: Not reported
Prelim Assess: 10/19/1988
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/19/1988
Enforce Date: Not reported
Closed Date: 10/13/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: Not reported
GW Depth: 12
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 30151
Number: 9
Board Of Equalization: 44-023807
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 30151
Number: Not reported
Board Of Equalization: 44-023807
Referral Date: Not reported
Action Date: Not reported

BAY PARK TOWING (Continued) **S100735368**

Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-030151-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	130151
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-330-33-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	THE WOSK TRUST
Facility Address:	915 MORENA BL
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-2612
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 130151 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	130151
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-11-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H30151-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case

BAY PARK TOWING (Continued) **S100735368**

Date: 11/1/1989
Date Began: 10/11/1988

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67 **BAY PARK TOWING** **CA HIST CORTESE** **S104752425**
915 MORENA BL **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1058

LUST:
Region: STATE
Global Id: T0607300071
Latitude: 32.765792
Longitude: -117.1983704
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/01/1989
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1058
LOC Case Number: H30151-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300071
Status: Open - Case Begin Date
Status Date: 10/11/1988

Global Id: T0607300071
Status: Completed - Case Closed
Status Date: 11/01/1989

Regulatory Activities:
Global Id: T0607300071
Action Type: Other
Date: 10/11/1988
Action: Leak Began

Global Id: T0607300071
Action Type: Other
Date: 10/11/1988
Action: Leak Discovery

Global Id: T0607300071
Action Type: Other
Date: 10/11/1988
Action: Leak Stopped

BAY PARK TOWING (Continued) **S104752425**

Global Id: T0607300071
Action Type: Other
Date: 10/11/1988
Action: Leak Reported

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67 **HD SUPPLY - PLUMBING/HVAC, LTD** **CA San Diego Co. HMMD** **S104745978**
1004 CUDAHY PL **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92110

SAN DIEGO CO. HMMD:
Facility Id: 207805
Business Type: 6HK60
EPA Id Number: CAL000306793
APN: 436-290-05-00
Last HMMD Inspection: 03/14/2011
Permit Status: INAC
Permit Expiration: 09/30/2011
Facility Owner: HD SUPPLY
Facility Address: 1004 CUDAHY PL
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 104594
Business Type: Not reported
EPA Id Number: Not reported
APN: 436-290-05-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 05/19/1993
Facility Owner: BERGEN BRUNSWIG DRUG CO
Facility Address: 1004 CUDAHY PL
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110-3929
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

SAN DIEGO CO. SAM:
Case Number: H04594-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case

HD SUPPLY - PLUMBING/HVAC, LTD (Continued) **S104745978**

Date: 3/15/1988
Date Began: 1/28/1988

---

67 **BERGEN BRUNSWIG CORP.** **CA HIST UST** **U001572820**
1004 CUDAHY PL **N/A**
SAN DIEGO, CA 92110

HIST UST:
Region: STATE
Facility ID: 00000000799
Facility Type: Not reported
Other Type: WHOLESALER
Contact Name: Not reported
Telephone: 6192763111
Owner Name: BERGEN BRUNSWIG CORP.
Owner Address: 1004 CUDAHY PL.
Owner City,St,Zip: SAN DIEGO, CA 92110
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1968
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

---

67 **BERGEN BRUNSWIG DRUG CO** **CA SLIC** **U001572821**
1004 CUDAHY PL **CA HIST UST** **N/A**
SAN DIEGO, CA 92110

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/15/1988
Global Id: T0608134393
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H04594-001
Latitude: 32.766046
Longitude: -117.202493
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:
Region: STATE
Facility ID: 00000054677
Facility Type: Other

BERGEN BRUNSWIG DRUG CO (Continued) **U001572821**

Other Type:	PHARMECEUTICAL DIST.
Contact Name:	TED SIMPSON-MGR.
Telephone:	6192763111
Owner Name:	BERGEN BRUNSWIG DRUG CO.
Owner Address:	22351 SO. WILMINGTON AVE.
Owner City,St,Zip:	CARSON, CA 90745
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

---

67 **COLORAMA PAINTS** **CA HIST UST** **U001572828**
5261 LINDA VISTA RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000000693
Facility Type:	Other
Other Type:	PAINT STORE
Contact Name:	A. A. ARNOLD DIST. MGR./VICE P
Telephone:	6192974421
Owner Name:	PERVO PAINT COMPANY DBA COLORA
Owner Address:	6624 STANFORD AVE.
Owner City,St,Zip:	LOS ANGELES, CA 90001
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1966
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

SWEEPS UST:

Status:	Active
Comp Number:	15384
Number:	9
Board Of Equalization:	44-022917
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported

COLORAMA PAINTS (Continued) **U001572828**

Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 15384
Number: Not reported
Board Of Equalization: 44-022917
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-015384-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: Not reported
Number Of Tanks: 1

---

67 **FORMER E R PLASTICS** **CA LUST** **S104539588**
4901 PACIFIC HWY **N/A**
SAN DIEGO, CA 92110

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT255
Local Case: H05384-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Overfill
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 01/14/1987
Date Stopped: 01/14/1987
Confirm Date: 01/14/1987
Submit Workplan: Not reported
Prelim Assess: 01/30/1987
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/23/1987
Enforce Date: 1/20/87
Closed Date: 1/25/00
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 12
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 1B

FORMER E R PLASTICS (Continued) **S104539588**

File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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67 **EJR PLASTICS** **CA HIST CORTESE** **S101302125**
4901 PACIFIC **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT255

---

67 **AIQ INC** **CA LUST** **S100727003**
4903 PACIFIC HY **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110

LUST:
Region: STATE
Global Id: T0607301295
Latitude: 32.7637842
Longitude: -117.2039232
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/25/2000
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: LA
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT255
LOC Case Number: H05384-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607301295
Contact Type: Local Agency Caseworker
Contact Name: LAURIE APECECHEA
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: laurie.apecechea@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607301295
Status: Completed - Case Closed
Status Date: 01/25/2000

Global Id: T0607301295
Status: Open - Case Begin Date

AIQ INC (Continued) **S100727003**

Status Date: 01/14/1987

Regulatory Activities:
Global Id: T0607301295
Action Type: Other
Date: 01/14/1987
Action: Leak Began

Global Id: T0607301295
Action Type: Other
Date: 01/14/1987
Action: Leak Discovery

Global Id: T0607301295
Action Type: Other
Date: 01/14/1987
Action: Leak Stopped

Global Id: T0607301295
Action Type: ENFORCEMENT
Date: 01/20/1987
Action: Notice of Responsibility

Global Id: T0607301295
Action Type: Other
Date: 01/14/1987
Action: Leak Reported

SWEEPS UST:
Status: Active
Comp Number: 5384
Number: 9
Board Of Equalization: 44-022214
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 5384
Number: Not reported
Board Of Equalization: 44-022214
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005384-000001

AIQ INC (Continued) **S100727003**

Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	5384
Number:	Not reported
Board Of Equalization:	44-022214
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005384-000002
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

---

67 **AIQ INC** **CA SAN DIEGO CO. SAM** **S106915928**
4903 PACIFIC HY **N/A**
SAN DIEGO, CA 92110

SAN DIEGO CO. SAM:

Case Number:	H05384-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	1/25/2000
Date Began:	1/14/1987

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67 **SHARP PATHOLOGY LABORATORY** **RCRA-SQG** **1000246795**
5325 METRO STREET **FINDS** **CAD981640402**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA HAZNET

RCRA-SQG:

Date form received by agency:	02/27/1987
Facility name:	ANTICANCER INC
Facility address:	5325 METRO ST SAN DIEGO, CA 92110
EPA ID:	CAD981640402
Mailing address:	PO BOX 296 LA JOLLA, CA 92038
Contact:	ENVIRONMENTAL MANAGER
Contact address:	5325 METRO ST SAN DIEGO, CA 92110
Contact country:	US
Contact telephone:	(619) 299-3250

SHARP PATHOLOGY LABORATORY (Continued) **1000246795**

Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ANTICANCER INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002695977

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal

SHARP PATHOLOGY LABORATORY (Continued) **1000246795**

facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

SAN DIEGO CO. HMMD:

Facility Id:	119452
Business Type:	6HK58
EPA Id Number:	CAD981640402
APN:	436-340-07-00
Last HMMD Inspection:	12/22/1992
Permit Status:	INAC
Permit Expiration:	04/30/1993
Facility Owner:	CORP
Facility Address:	5325 N METRO ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-2608
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

HAZNET:

envid:	1000246795
Year:	1993
GEPAID:	CAD981640402
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 296
Mailing City,St,Zip:	LA JOLLA, CA 920380000
Gen County:	Not reported
TSD EPA ID:	CAD050806850
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Transfer Station
Tons:	4.17000000000
Facility County:	San Diego

67 **SHARP PATHOLOGY LABORATORY** **RCRA-LQG** **1000368478**
5325 METRO STREET **CAD981404544**
SAN DIEGO, CA 92110

RCRA-LQG:

Date form received by agency:	03/01/2014
Facility name:	SHARP PATHOLOGY LABORATORY
Facility address:	5325 METRO STREET SAN DIEGO, CA 92110
EPA ID:	CAD981404544
Mailing address:	METRO STREET SAN DIEGO, CA 92110
Contact:	HECTOR HERRERA
Contact address:	METRO STREET SAN DIEGO, CA 92110
Contact country:	Not reported
Contact telephone:	(619) 295-0964
Contact email:	HECTOR.HERRERA@SHARP.COM
EPA Region:	09
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	SAN DIEGO HOSPITAL ASSOCIATION
Owner/operator address:	SPECTRUM CT. SAN DIEGO, CA 92123
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 295-0964
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/20/1984
Owner/Op end date:	Not reported

Owner/operator name:	SAN DIEGO HOSPITAL ASSOCIATION
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/20/1984
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

SHARP PATHOLOGY LABORATORY (Continued) **1000368478**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: 214
. Waste name: 214

. Waste code: 331
. Waste name: 331

. Waste code: 352
. Waste name: 352

. Waste code: 551
. Waste name: 551

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D011
. Waste name: SILVER

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: LABP

SHARP PATHOLOGY LABORATORY (Continued) **1000368478**

. Waste name: LAB PACK

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Historical Generators:
Date form received by agency: 06/15/2010
Site name: SHARP PATHOLOGY LABORATORY
Classification: Large Quantity Generator

. Waste code: 214
. Waste name: 214

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U122
. Waste name: FORMALDEHYDE

Date form received by agency: 02/21/2008
Site name: SHARP PATHOLOGY LABORATORY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U122

SHARP PATHOLOGY LABORATORY (Continued) **1000368478**

. Waste name: FORMALDEHYDE

Date form received by agency: 02/16/2004
Site name: SHARP PATHOLOGY LABORATORY
Classification: Small Quantity Generator

Date form received by agency: 02/16/2004
Site name: SHARP PATHOLOGY LABORATORY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U122
. Waste name: FORMALDEHYDE

Date form received by agency: 02/27/2002
Site name: SHARP PATHOLOGY LABORATORY
Classification: Large Quantity Generator

. Waste code: 214
. Waste name: 214

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U122

SHARP PATHOLOGY LABORATORY (Continued) **1000368478**

. Waste name: FORMALDEHYDE

Date form received by agency: 03/04/1999
Site name: SHARP PATHOLOGY LAB
Classification: Large Quantity Generator

Date form received by agency: 05/02/1986
Site name: SHARP PATHOLOGY LABORATORY
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: F - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 11/02/2001
Date achieved compliance: 03/07/2002
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 12/13/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 11/02/2001
Date achieved compliance: 03/07/2002
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/02/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/07/2002
Evaluation lead agency: EPA

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67 **THE COCA-COLA BOTTLING COMPANY** **CA HIST UST** **U001572869**
5330 LINDA VISTA RD **N/A**
SAN DIEGO, CA 92110

HIST UST:
Region: STATE
Facility ID: 00000064612
Facility Type: Other
Other Type: COOLER DEPARTMENT
Contact Name: JIM LYNCH
Telephone: 6192995330
Owner Name: THE COCA-COLA BOTTLING COMPANY

THE COCA-COLA BOTTLING COMPANY (Continued) **U001572869**

Owner Address:	1334 SO. CENTRAL AVENUE
Owner City,St,Zip:	LOS ANGELES, CA 90021
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Visual, Stock Inventor

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67 **COCA COLA BOTTLING CO** **CA HIST CORTESE** **S100470830**
5330 LINDA VISTA RD **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SLIC**
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1673

LUST:

Region:	STATE
Global Id:	T0607300489
Latitude:	32.766924
Longitude:	-117.196022
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	03/21/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1673
LOC Case Number:	H04967-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300489
Status:	Completed - Case Closed
Status Date:	03/21/2003
Global Id:	T0607300489
Status:	Open - Case Begin Date
Status Date:	08/24/1989

Regulatory Activities:

Global Id:	T0607300489

COCA COLA BOTTLING CO (Continued) **S100470830**

Action Type:	Other
Date:	08/24/1989
Action:	Leak Began
Global Id:	T0607300489
Action Type:	Other
Date:	08/24/1989
Action:	Leak Discovery
Global Id:	T0607300489
Action Type:	ENFORCEMENT
Date:	08/24/1989
Action:	Notice of Responsibility
Global Id:	T0607300489
Action Type:	Other
Date:	08/24/1989
Action:	Leak Stopped
Global Id:	T0607300489
Action Type:	Other
Date:	08/24/1989
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Remedial action (cleanup) Underway
Case Number:	9UT1673
Local Case:	H04967-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Piping
Cause:	Overfill
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	08/24/1989
Date Stopped:	08/24/1989
Confirm Date:	08/24/1989
Submit Workplan:	Not reported
Prelim Assess:	08/24/1989
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	8/27/96
Began Monitor:	Not reported
Release Date:	04/26/1990
Enforce Date:	8/24/89
Closed Date:	Not reported
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	10’
Beneficial Use:	Municipal groundwater use

COCA COLA BOTTLING CO (Continued) **S100470830**

NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/02/2007
Global Id:	T06019753550
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H04967-002
Latitude:	32.766924
Longitude:	-117.196022
Case Type:	Cleanup Program Site
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Active
Comp Number:	4967
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	4967
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004967-000001
Tank Status:	Not reported
Capacity:	6000

COCA COLA BOTTLING CO (Continued) **S100470830**

Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2
Status:	Not reported
Comp Number:	4967
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004967-000002
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	104967
Business Type:	6HK18
EPA Id Number:	CAL000122743
APN:	436-340-03-00
Last HMMD Inspection:	01/19/2007
Permit Status:	INAC
Permit Expiration:	04/30/2008
Facility Owner:	COCA COLA ENTERPRISES
Facility Address:	5330 LINDA VISTA RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	COCA-COLA BOTTLING CO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104967 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104967
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-08-24 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL

COCA COLA BOTTLING CO (Continued) **S100470830**

Delivery System:	SUCTION
Monitor Code:	02
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ SIRS: SIR DATA ANALYSIS MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 104967 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104967
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-08-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Violations Inactive Permits:

Facility Id:	104967
Update Date:	11/02/2012
Inspection Date:	01/19/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	Inactive Permit
Facility Id:	104967
Update Date:	11/02/2012
Inspection Date:	09/30/2004
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	Inactive Permit

SAN DIEGO CO. SAM:

Case Number:	H04967-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	3/21/2003
Date Began:	8/24/1989
Case Number:	H04967-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/2/2007

COCA COLA BOTTLING CO (Continued) **S100470830**

Date Began: Not reported

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67 **ASTRO SIGN CO** **CA SLIC** **S106062842**
4941 PACIFIC HY **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/17/2013
Global Id:	T0608151865
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H10185-001
Latitude:	32.766138
Longitude:	-117.20414
Case Type:	Cleanup Program Site
Case Worker:	SW
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Not reported
Site History:	Refer to "Site Maps/Documents" tab for Closure Letter

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	129081
Business Type:	6HK77
EPA Id Number:	CAL000073348
APN:	436-440-20-00
Last HMMD Inspection:	03/05/2007
Permit Status:	INAC
Permit Expiration:	09/30/2007
Facility Owner:	W. STONECIPHER
Facility Address:	4502 SARATOGA AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92107
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	129081
Update Date:	11/02/2012
Inspection Date:	03/05/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	Inactive Permit

Facility Id:	129081
Update Date:	11/02/2012

ASTRO SIGN CO (Continued) **S106062842**

Inspection Date:	03/05/2007
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	Inactive Permit
Facility Id:	129081
Update Date:	11/02/2012
Inspection Date:	03/05/2007
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit
Facility Id:	129081
Update Date:	11/02/2012
Inspection Date:	03/05/2007
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	Inactive Permit

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67 **ASTRO SIGN CO** **RCRA-SQG** **1000472901**
4941 PACIFIC HWY STE 3 **FINDS** **CAD982434920**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	01/03/1991
Facility name:	ASTRO SIGN CO
Facility address:	4941 PACIFIC HWY STE 3 SAN DIEGO, CA 92110
EPA ID:	CAD982434920
Mailing address:	PACIFIC HWY STE 3 SAN DIEGO, CA 92110
Contact:	ENVIRONMENTAL MANAGER
Contact address:	4941 PACIFIC HWY STE 3 SAN DIEGO, CA 92110
Contact country:	US
Contact telephone:	(619) 298-5117
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	LARRY MUNTER
Owner/operator address:	NOT REQUIRED

ASTRO SIGN CO (Continued) **1000472901**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002811306

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SAN DIEGO CO. HMMD:
Facility Id: 211685
Business Type: 6HK18
EPA Id Number: Not reported
APN: 436-440-20-00
Last HMMD Inspection: 01/12/2010
Permit Status: INAC

ASTRO SIGN CO (Continued) **1000472901**

Permit Expiration:	04/30/2012
Facility Owner:	VINCENT LUCARELLI
Facility Address:	4941 PACIFIC HY #4
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

Facility Id:	208398
Business Type:	6HK50
EPA Id Number:	Not reported
APN:	436-440-20-00
Last HMMD Inspection:	08/02/2007
Permit Status:	INAC
Permit Expiration:	12/31/2009
Facility Owner:	DEWI T MALAPSY
Facility Address:	811 CAMINITO SIENA
Facility City:	CHULA VISTA
Facility State:	CA
Facility Zip:	91911
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	208398
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV0302
Violation:	HAZWASTE:UNLAWFUL TRANSPORTATION
Violation Citation:	Hazardous waste generator has unlawfully transported hazardous waste. HSC 25163(a)
Activity:	Inactive Permit

Facility Id:	208398
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

Facility Id:	208398
Update Date:	11/02/2012
Inspection Date:	08/02/2007
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD

ASTRO SIGN CO (Continued) **1000472901**

Violation Citation: Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity: Inactive Permit

Facility Id: 208398
Update Date: 11/02/2012
Inspection Date: 08/02/2007
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: Inactive Permit

SAN DIEGO CO. SAM:
Case Number: H10185-001
Agency: DEH Site Assessment & Mitigation
Funding: **XV**
Facility Type: Complaint
Facility Status: Preliminary Assessment
Date: 3/24/1993
Date Began: 1/1/1973

---

67 **MORENA VISTA** **CA SLIC** **S106874870**
5319 LINDA VISTA RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92110

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/06/2007
Global Id: T0607393415
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H39636-001
Latitude: 32.766609
Longitude: -117.195905
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: * Chlorinated Hydrocarbons
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. SAM:
Case Number: H39636-001
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/6/2007
Date Began: Not reported

67 **EDR US Hist Cleaners** **1015073559**
5401 LINDA VISTA RD **N/A**
SAN DIEGO, CA 92110

EDR Historical Cleaners:

Name:	ALOHA EXPRESS CLEANERS & LAUNDRY
Year:	1999
Address:	5401 LINDA VISTA RD
Name:	ALOHA EXPRESS CLEANERS & LAUNDRY
Year:	2000
Address:	5401 LINDA VISTA RD
Name:	ALOHA EXPRESS CLEANERS & LNDRY
Year:	2002
Address:	5401 LINDA VISTA RD
Name:	DRY CLEAN 4 LES
Year:	2005
Address:	5401 LINDA VISTA RD
Name:	CHRISTIES DRY CLEANERS
Year:	2005
Address:	5401 LINDA VISTA RD
Name:	CHRISTIES CLEANERS
Year:	2005
Address:	5401 LINDA VISTA RD
Name:	RELAX X DRY CLEANING
Year:	2006
Address:	5401 LINDA VISTA RD
Name:	DRY CLEAN 4 LESS
Year:	2008
Address:	5401 LINDA VISTA RD
Name:	DRY CLEAN 4 LESS
Year:	2009
Address:	5401 LINDA VISTA RD
Name:	RELAXX DRY CLEANING
Year:	2010
Address:	5401 LINDA VISTA RD
Name:	CLEAN TIME CLEANERS & LAUNDRY
Year:	2011
Address:	5401 LINDA VISTA RD
Name:	CLEAN TIME CLEANERS & LAUNDRY
Year:	2012
Address:	5401 LINDA VISTA RD

67 **AD-CO INCOME TAX SERVICES** **CA SWEEPS UST** **S104752138**
5411 LINDA VISTA RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

SWEEPS UST:

Status:	Not reported
Comp Number:	29554
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029554-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Not reported
Comp Number:	29554
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029554-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	29554
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029554-000003
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	129554
Business Type:	6HK03

AD-CO INCOME TAX SERVICES (Continued) **S104752138**

EPA Id Number:	Not reported
APN:	436-361-22-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	09/30/2002
Facility Owner:	VINCE LEVANDUSKY
Facility Address:	5411 LINDA VISTA RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-2403
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 129554 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	129554
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-10-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 129554 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	129554
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-10-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 129554 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	129554
Tank Type:	SINGLE WALL
Additional Id:	3

AD-CO INCOME TAX SERVICES (Continued) **S104752138**

Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-10-26 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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67 **. P. WITHEROW ROOFING COMPANY** **CA LUST S102431778**
1001 MORENA BLVD **CA SAN DIEGO CO. SAM N/A**
SAN DIEGO, CA 92110

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT223
Local Case:	H03686-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	EDETGTVS
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	11/07/1986
Date Stopped:	01/30/1987
Confirm Date:	01/30/1987
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	12/17/1987
Remed Action:	3/30/87
Began Monitor:	Not reported
Release Date:	11/13/1986
Enforce Date:	Not reported
Closed Date:	9/26/91
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	>10;
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	Medium priority
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. SAM:

. P. WITHEROW ROOFING COMPANY (Continued) **S102431778**

Case Number: H03686-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 9/26/1991
Date Began: 11/13/1986

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67 **J. P. WITHEROW ROOFING CO** **CA HIST CORTESE** **S104745758**
1001 MORENA **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT223

LUST:
Region: STATE
Global Id: T0607300997
Latitude: 32.7626619
Longitude: -117.197854
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/26/1991
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT223
LOC Case Number: H03686-001
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300997
Status: Open - Case Begin Date
Status Date: 11/13/1986

Global Id: T0607300997
Status: Completed - Case Closed
Status Date: 09/26/1991

Regulatory Activities:
Global Id: T0607300997
Action Type: ENFORCEMENT
Date: 09/26/1991
Action: Closure/No Further Action Letter

67 **CA Notify 65** **S100178171**
1079 WEST MORENA BLVD. **N/A**
SAN DIEGO, CA 92110

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92110-3918

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67 **ULTRAMAR #740** **CA LUST** **S101308200**
1083 MORENA BLVD **N/A**
SAN DIEGO, CA 92110

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT2412
Local Case: H04834-002
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 03/30/1993
Date Stopped: 06/24/1994
Confirm Date: 01/14/1993
Submit Workplan: 3/30/93
Prelim Assess: 04/05/1993
Desc Pollution: Not reported
Remed Plan: 06/24/1994
Remed Action: 6/24/94
Began Monitor: Not reported
Release Date: 04/05/1993
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 18
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2A
File Dispn: Not reported
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

67 **ULTRAMAR STATION #1-740** **CA HIST CORTESE** **S104578171**
1083 MORENA BL **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SLIC**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2412

LUST:

Region:	STATE
Global Id:	T0607301179
Latitude:	32.768235929
Longitude:	-117.199386658
Case Type:	LUST Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	04/22/2004
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2412
LOC Case Number:	H04834-002
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Report of a leaking vapor assist hose at the gasoline station located at 1083 Morena Boulevard, San Diego, resulted in the opening of DEH Case #04834-002 on April 5, 1993. Initial site assessment activities were performed in September 1993 and entailed the drilling and sampling of four borings. The analytical result for a soil sample collected beneath a heavily-corroded product line near the southern dispenser island confirmed that a release of petroleum hydrocarbons had occurred. The detected concentration of petroleum hydrocarbons in the soil sample was 1,500 milligrams per kilogram (mg/kg). Three underground storage tanks (USTs) that had stored gasoline were removed from the site on June 24, 1994. Two of the USTs had 10,000-gallon capacities and one had a capacity of 6,000 gallons. Soil samples collected during the removal inspection from the tank excavation, the product piping trenches, and an oil/water separator indicated petroleum hydrocarbon impacts. Additional borings were drilled around the perimeter of the site in April 1996 that indicated petroleum hydrocarbon impacts at the capillary fringe to concentrations up to 22,000 mg/kg. Impacts to the capillary fringe (located at approximately 18 feet below ground surface [bgs]) were reported to extend offsite beneath Morena Boulevard. Seventeen groundwater monitoring wells were installed at the site from July 1994 through June 2008. Free product was detected in one of the wells installed in 1994 with an apparent thickness of 0.76 feet. However, the apparent thickness decreased to a sheen which was last observed in February 2003. Analytical results for groundwater samples indicated that the chemicals of concern (COCs) for the site are gasoline, the aromatic hydrocarbons benzene, toluene, ethylbenzene, and xylenes (BTEX), naphthalene, and the fuel oxygenate methyl-tert-butyl ether (MTBE). These wells were monitored and sampled on a quarterly basis until a semi-annual schedule was initiated in 2009. Two additional monitoring wells were installed in May 2010 to complete delineation of the dissolved plume. Although the site is in an area excepted from use for municipal supply purposes,

ULTRAMAR STATION #1-740 (Continued) **S104578171**

groundwater beneath flows southwesterly into a hydrologic area that is designated for potential municipal use. Four soil vapor extraction (SVE) wells and one groundwater recovery well/SVE well were installed at the site in July 1994. A Corrective Action Plan (CAP) is currently being prepared for the site.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301179
Contact Type:	Local Agency Caseworker
Contact Name:	CAROL FENNER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	carol.fenner@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301179
Status:	Open - Verification Monitoring
Status Date:	04/22/2004
Global Id:	T0607301179
Status:	Open - Case Begin Date
Status Date:	07/01/1992

Regulatory Activities:

Global Id:	T0607301179
Action Type:	Other
Date:	07/01/1992
Action:	Leak Began
Global Id:	T0607301179
Action Type:	RESPONSE
Date:	07/31/2013
Action:	Monitoring Report - Semi-Annually - Regulator Responded
Global Id:	T0607301179
Action Type:	RESPONSE
Date:	08/05/2014
Action:	Soil Vapor Intrusion Investigation Report - Regulator Responded
Global Id:	T0607301179
Action Type:	RESPONSE
Date:	08/13/2010
Action:	Site Assessment Report
Global Id:	T0607301179
Action Type:	RESPONSE
Date:	08/13/2010
Action:	Site Assessment Report
Global Id:	T0607301179
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Soil and Water Investigation Workplan

ULTRAMAR STATION #1-740 (Continued) **S104578171**

Global Id: T0607301179
Action Type: RESPONSE
Date: 12/21/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607301179
Action Type: RESPONSE
Date: 06/02/2014
Action: Risk Assessment Report - Regulator Responded

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 08/27/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301179
Action Type: Other
Date: 07/01/1992
Action: Leak Discovery

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 04/06/1993
Action: Notice of Responsibility

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 12/05/2011
Action: Letter - Notice

Global Id: T0607301179
Action Type: Other
Date: 07/01/1992
Action: Leak Stopped

Global Id: T0607301179
Action Type: RESPONSE
Date: 10/31/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0607301179
Action Type: RESPONSE
Date: 07/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301179
Action Type: Other
Date: 03/30/1993
Action: Leak Reported

Global Id: T0607301179
Action Type: RESPONSE
Date: 12/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301179
Action Type: ENFORCEMENT

ULTRAMAR STATION #1-740 (Continued) **S104578171**

Date: 05/31/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 03/11/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 12/23/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 02/05/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 12/03/2013
Action: Letter - Notice

Global Id: T0607301179
Action Type: RESPONSE
Date: 01/31/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607301179
Action Type: ENFORCEMENT
Date: 10/21/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301179
Action Type: RESPONSE
Date: 08/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301179
Action Type: RESPONSE
Date: 07/31/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607301179
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0607301179
Action Type: RESPONSE
Date: 08/18/2011
Action: Pilot Study / Treatability Workplan - Regulator Responded

ULTRAMAR STATION #1-740 (Continued) **S104578171**

Global Id: T0607301179
Action Type: RESPONSE
Date: 08/20/2011
Action: Site Assessment Report - Regulator Responded

Global Id: T0607301179
Action Type: RESPONSE
Date: 02/17/2012
Action: Other Workplan - Regulator Responded

SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 09/29/1988
Global Id: T0608142876
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H04834-001
Latitude: 32.768252
Longitude: -117.199354
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

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67 **ULTRAMAR STATION #1-740** **CA SAN DIEGO CO. SAM** **S105690949**
1083 MORENA BL **N/A**
SAN DIEGO, CA 92110

SAN DIEGO CO. SAM:
Case Number: H04834-001
Agency: DEH Site Assessment & Mitigation
Funding: Non Billable
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 9/29/1988
Date Began: 9/7/1988

Case Number: H04834-002
Agency: DEH Site Assessment & Mitigation
Funding: LOP - State Fund
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Post Remedial Monitoring
Date: 4/22/2004
Date Began: 7/1/1992

67 **MISSION BAY AUTOMOTIVE** **CA HIST CORTESE** **U001572849**
1125 MORENA BLVD **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA HIST UST**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1566

LUST:

Region:	STATE
Global Id:	T0607300386
Latitude:	32.7690649144545
Longitude:	-117.200085500525
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/03/2012
Lead Agency:	SAN DIEGO RWQCB (REGION 9)
Case Worker:	SM
Local Agency:	Not reported
RB Case Number:	9UT1566
LOC Case Number:	H13429-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Four USTs were removed from the site in 1989 (4,000-gallon gasoline; 4,000-gallon diesel; 1,000-gallon diesel; and 550-gallon waste oil). Soil sampling conducted during tank removal indicated total petroleum hydrocarbons as gasoline and diesel up to 50 mg/kg and 13,000 mg/kg respectively. A site assessment reprot was subitted in January 1990, which documented additional investigation and limited over excavation. Five groundwater monitoring wells were intalled in June 1990. Five additional wells were installed in 1991 to delineat the extent of free product. In January 1992 bailing was initiated to remove free product. Additional soil excavation was conducted in March 1994.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300386
Contact Type:	Regional Board Caseworker
Contact Name:	SEAN MCCLAIN
Organization Name:	SAN DIEGO RWQCB (REGION 9)
Address:	2375 NORTHSIDE DRIVE, SUITE 100
City:	SAN DIEGO
Email:	sean.mcclain@waterboards.ca.gov
Phone Number:	6195213374

Status History:

Global Id:	T0607300386
Status:	Open - Site Assessment
Status Date:	12/04/2006

Global Id:	T0607300386
Status:	Completed - Case Closed
Status Date:	05/03/2012

MISSION BAY AUTOMOTIVE (Continued) **U001572849**

Global Id: T0607300386
Status: Open
Status Date: 10/12/1989

Global Id: T0607300386
Status: Open - Assessment & Interim Remedial Action
Status Date: 03/01/2012

Global Id: T0607300386
Status: Open - Case Begin Date
Status Date: 10/12/1989

Regulatory Activities:

Global Id: T0607300386
Action Type: Other
Date: 10/12/1989
Action: Leak Began

Global Id: T0607300386
Action Type: ENFORCEMENT
Date: 11/06/1989
Action: Notice of Responsibility

Global Id: T0607300386
Action Type: ENFORCEMENT
Date: 06/20/2011
Action: Notice of Violation

Global Id: T0607300386
Action Type: ENFORCEMENT
Date: 08/02/2010
Action: Site Visit / Inspection / Sampling

Global Id: T0607300386
Action Type: Other
Date: 10/12/1989
Action: Leak Discovery

Global Id: T0607300386
Action Type: REMEDIATION
Date: 06/10/2008
Action: Free Product Removal

Global Id: T0607300386
Action Type: ENFORCEMENT
Date: 12/04/2006
Action: Referral to Regional Board

Global Id: T0607300386
Action Type: ENFORCEMENT
Date: 04/09/2008
Action: 13267 Requirement - #R9-2008-0014

Global Id: T0607300386
Action Type: ENFORCEMENT
Date: 08/05/2011
Action: Site Visit / Inspection / Sampling

MISSION BAY AUTOMOTIVE (Continued) **U001572849**

Global Id:	T0607300386
Action Type:	Other
Date:	10/12/1989
Action:	Leak Stopped
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	04/16/2008
Action:	Verbal Communication
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	03/26/2012
Action:	Notification - Public Notice of Case Closure
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	03/26/2012
Action:	Notification - Fee Title Owners Notice
Global Id:	T0607300386
Action Type:	RESPONSE
Date:	03/24/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	05/01/2012
Action:	Closure/No Further Action Letter
Global Id:	T0607300386
Action Type:	Other
Date:	10/30/1989
Action:	Leak Reported
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	01/25/2007
Action:	Staff Letter
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	02/11/2009
Action:	Technical Correspondence / Assistance / Other - #2/11/2009
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	06/01/2009
Action:	Staff Letter
Global Id:	T0607300386
Action Type:	ENFORCEMENT
Date:	11/02/2010
Action:	Meeting

MISSION BAY AUTOMOTIVE (Continued) **U001572849**

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT1566
Local Case:	H13429-001
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	10/12/1989
Date Stopped:	10/12/1989
Confirm Date:	10/30/1989
Submit Workplan:	Not reported
Prelim Assess:	01/26/1990
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	10/12/1989
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	906.50
GW Depth:	17’
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	1C
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

HIST UST:

Region:	STATE
Facility ID:	00000047981
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	TERRY PIERSON
Telephone:	6192763390
Owner Name:	TULIO TORINELLO
Owner Address:	3896 ARIANE DR.
Owner City,St,Zip:	SAN DIEGO, CA 92117
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT

MISSION BAY AUTOMOTIVE (Continued) **U001572849**

Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	004
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

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67 **MISSION BAY AUTOMOTIVE** **CA LUST** **S105035355**
1125 MORENA BLVD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

SWEEPS UST:

Status:	Active
Comp Number:	13429
Number:	9
Board Of Equalization:	44-022777
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	13429
Number:	Not reported
Board Of Equalization:	44-022777

MISSION BAY AUTOMOTIVE (Continued) **S105035355**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013429-000001
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	13429
Number:	Not reported
Board Of Equalization:	44-022777
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013429-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13429
Number:	Not reported
Board Of Equalization:	44-022777
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013429-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13429
Number:	Not reported
Board Of Equalization:	44-022777
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013429-000004
Tank Status:	Not reported

MISSION BAY AUTOMOTIVE (Continued) **S105035355**

Capacity:	1000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	113429
Business Type:	6HK26
EPA Id Number:	CAL000130347
APN:	436-310-14-00
Last HMMD Inspection:	10/13/2009
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	TROY ARCHER
Facility Address:	1125 MORENA BL
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-3810
UST Owner:	TULIO TORINELLO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113429 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113429
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-12-10 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113429 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113429
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1989-12-10 00:00:00
Year Installed:	Not reported

MISSION BAY AUTOMOTIVE (Continued) **S105035355**

Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113429 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113429
Tank Type:	UNKNOWN
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-12-10 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 113429 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113429
Tank Type:	UNKNOWN
Additional Id:	3
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-12-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Active Permits:

Facility Id:	113429
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS: MOTOR, HYDRAULIC, GREASE, TRANSMISSION, LUBRICATING
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	113429
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported

MISSION BAY AUTOMOTIVE (Continued) **S105035355**

Hazardous Categories 2: Not reported

Facility Id: 113429
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: RECYCLED ONSITE INTERFLUD
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 113429
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 113429
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 113429
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 113429
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

SAN DIEGO CO. SAM:
Case Number: H13429-001
Agency: CA Regional Water Quality Control Board
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Post Remedial Monitoring
Date: 1/30/2002
Date Began: 10/12/1989

67 **MISSION CHEMICAL CO** **CERC-NFRAP** **1003879077**
4990 NAPLES **CAD982359895**
SAN DIEGO, CA 92110

CERC-NFRAP:
Site ID: 0902586
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13289824.00000
Person ID: 13003854.00000

Contact Sequence ID: 13295419.00000
Person ID: 13003858.00000

Contact Sequence ID: 13301277.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 11/01/87
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 03/28/90
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 03/28/90
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

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67 **MISSION CHEMICAL** **CA LUST** **S101302103**
4990 NAPLES ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2181
Local Case: H22857-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/04/1991
Date Stopped: 12/04/1991
Confirm Date: 02/03/1992

MISSION CHEMICAL (Continued) **S101302103**

Submit Workplan: 2/19/92
Prelim Assess: 02/09/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/04/1991
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.50
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 3A
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 22857
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 22857
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-022857-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 5

Status: Not reported

MISSION CHEMICAL (Continued) **S101302103**

Comp Number:	22857
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-022857-000002
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	22857
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-022857-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	22857
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-022857-000004
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	22857
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

MISSION CHEMICAL (Continued) **S101302103**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-022857-000005
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	122857
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-192-14-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	MIKE TREADWELL
Facility Address:	9292 ACTIVITY RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92126-4425
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 122857 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	122857
Tank Type:	UNKNOWN
Additional Id:	AT2999
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1991-04-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 122857 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	122857
Tank Type:	UNKNOWN
Additional Id:	AT2999
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

MISSION CHEMICAL (Continued) **S101302103**

Reg Status:	REMOVED
Remove Close Date:	1991-04-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 122857 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	122857
Tank Type:	UNKNOWN
Additional Id:	AT2999
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1991-04-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 122857 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	122857
Tank Type:	UNKNOWN
Additional Id:	AT2999
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-04-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 122857 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	122857
Tank Type:	UNKNOWN
Additional Id:	AT2999
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-04-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90

MISSION CHEMICAL (Continued) **S101302103**

UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:
Case Number: H22857-001
Agency: DEH Site Assessment & Mitigation
Funding: LOP - Federal Fund
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 2/21/2003
Date Began: 12/4/1991

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67 **SAN DIEGO VESSEL MAINTENANCE FACILITY** **CA NPDES** **1000382469**
4990 NAPLES STREET **CA HIST CORTESE** **N/A**
SAN DIEGO, CA 92110 **CA LUST**
CA ENVIROSTOR

NPDES:
Npdes Number: CAS000001
Facility Status: Active
Agency Id: 0
Region: 9
Regulatory Measure Id: 450293
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 9 37I025092
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 10/13/2014
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: Global Maritek Systems Inc
Discharge Address: 5251 NW 33rd Ave
Discharge City: Fort Lauderdale
Discharge State: Florida
Discharge Zip: 33309
RECEIVED DATE: Not reported
PROCESSED DATE: Not reported
STATUS CODE NAME: Not reported
STATUS DATE: Not reported
PLACE SIZE: Not reported
PLACE SIZE UNIT: Not reported
FACILITY CONTACT NAME: Not reported
FACILITY CONTACT TITLE: Not reported
FACILITY CONTACT PHONE: Not reported
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: Not reported
OPERATOR NAME: Not reported
OPERATOR ADDRESS: Not reported
OPERATOR CITY: Not reported
OPERATOR STATE: Not reported
OPERATOR ZIP: Not reported
OPERATOR CONTACT NAME: Not reported
OPERATOR CONTACT TITLE: Not reported
OPERATOR CONTACT PHONE: Not reported

SAN DIEGO VESSEL MAINTENANCE FACILITY (Continued) **1000382469**

OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	450293
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I025092
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

SAN DIEGO VESSEL MAINTENANCE FACILITY (Continued) **1000382469**

RECEIVED DATE:	10/13/2014
PROCESSED DATE:	10/13/2014
STATUS CODE NAME:	Active
STATUS DATE:	10/13/2014
PLACE SIZE:	11446
PLACE SIZE UNIT:	SqFt
FACILITY CONTACT NAME:	Mark Eddo
FACILITY CONTACT TITLE:	Site Manager
FACILITY CONTACT PHONE:	619-276-1264
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Global Maritek Systems Inc
OPERATOR ADDRESS:	5251 NW 33rd Ave
OPERATOR CITY:	Fort Lauderdale
OPERATOR STATE:	Florida
OPERATOR ZIP:	33309
OPERATOR CONTACT NAME:	Roger Mitchell
OPERATOR CONTACT TITLE:	Contact
OPERATOR CONTACT PHONE:	954-766-9999
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Florida
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego Sewer System
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	3732-Boat Building and Repairing
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

SAN DIEGO VESSEL MAINTENANCE FACILITY (Continued) **1000382469**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2181

Region:	CORTESE
Facility County Code:	37
Reg By:	CALSI
Reg Id:	37510124

LUST:

Region:	STATE
Global Id:	T0607300951
Latitude:	32.7700096
Longitude:	-117.2016994
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/21/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	LA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2181
LOC Case Number:	H22857-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300951
Contact Type:	Local Agency Caseworker
Contact Name:	LAURIE APECECHEA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	laurie.apecechea@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607300951
Status:	Completed - Case Closed
Status Date:	02/21/2003

Global Id:	T0607300951
Status:	Open - Case Begin Date
Status Date:	12/04/1991

Regulatory Activities:

Global Id:	T0607300951
Action Type:	Other
Date:	12/04/1991
Action:	Leak Began

SAN DIEGO VESSEL MAINTENANCE FACILITY (Continued) **1000382469**

Global Id: T0607300951
Action Type: Other
Date: 12/04/1991
Action: Leak Discovery

Global Id: T0607300951
Action Type: Other
Date: 12/04/1991
Action: Leak Stopped

Global Id: T0607300951
Action Type: ENFORCEMENT
Date: 02/19/1992
Action: Notice of Responsibility

Global Id: T0607300951
Action Type: Other
Date: 12/04/1991
Action: Leak Reported

ENVIROSTOR:
Facility ID: 37510124
Status: Refer: Other Agency
Status Date: 06/01/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: Not reported
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * Sludge - Paint * UNSPECIFIED ACID SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD9823599895
Alias Type: EPA Identification Number
Alias Name: 37510124
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening

SAN DIEGO VESSEL MAINTENANCE FACILITY (Continued) **1000382469**

Completed Date:	06/01/1995
Comments:	SD County Environmental Assessment Listing indicates that the County overseeing a Preliminary Assessment as of 12/04/91. Tank case, soil contamination only. Local oversight program. NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/02/1995
Comments:	SD County Environmental Assessment history indicates that the county overseeing a Preliminary Assessment as of 12/04/91. Tank case, soil contamination only. Local oversight program. NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	02/08/1991
Comments:	PA report was reviewed by Region 4 staff. The site consists of a 15,000 sf bldg., a paved storage area, & a concrete loading dock. 99% of chemicals handled were detergent, wax and window cleaner. Presently, the bldg is used as an auto parts warehouse by Volks Parts. A driveby in 1983 by SDDHS reported that concrete was eroded outside the bldg. No sampling was done to determine if there is a hazard at the site. Staff recommends PEARM to determine if there is a hazard DTSC should address.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/02/1987
Comments:	SITE SCREENING DONE WILL BE WORKED ON UNDER NEW CERCLA GRANT EVIDENCE OF ACID SPILLS WHICH ATE THROUGH CONCRETE
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	01/18/1983
Comments:	FACILITY IDENTIFIED VIA 72 PHONE BOOK (IMP. CO)
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

68 **BLOOMINGDALES INC** **CA HAZNET** **S112952570**
7057 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112952570
Year:	2013
GEPAID:	CAC002753132
Contact:	ALAN GABALDON
Telephone:	6196106528
Mailing Name:	Not reported
Mailing Address:	7 W 7TH ST
Mailing City,St,Zip:	CINCINNATI, OH 45202
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225
Facility County:	Not reported

envid:	S112952570
Year:	2006
GEPAID:	CAC002602209
Contact:	ELAINE C PFARR/ENVIRON SERVICES MGR
Telephone:	5135797625
Mailing Name:	Not reported
Mailing Address:	7 W 7TH ST
Mailing City,St,Zip:	CINCINNATI, OH 452022424
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	0.91
Facility County:	San Diego

envid:	S112952570
Year:	2006
GEPAID:	CAC002602209
Contact:	ELAINE C PFARR/ENVIRON SERVICES MGR
Telephone:	5135797625
Mailing Name:	Not reported
Mailing Address:	7 W 7TH ST
Mailing City,St,Zip:	CINCINNATI, OH 452022424
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Recycler
Tons:	0.08
Facility County:	San Diego

envid:	S112952570
Year:	2006
GEPAID:	CAC002602209
Contact:	ELAINE C PFARR/ENVIRON SERVICES MGR
Telephone:	5135797625

BLOOMINGDALES INC (Continued) **S112952570**

Mailing Name: Not reported
Mailing Address: 7 W 7TH ST
Mailing City,St,Zip: CINCINNATI, OH 452022424
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: 0.06
Facility County: San Diego

envid: S112952570
Year: 2006
GEPAID: CAC002602209
Contact: ELAINE C PFARR/ENVIRON SERVICES MGR
Telephone: 5135797625
Mailing Name: Not reported
Mailing Address: 7 W 7TH ST
Mailing City,St,Zip: CINCINNATI, OH 452022424
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Recycler
Tons: 0.22
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

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69 **WELLS FARGO BANK** **CA HAZNET** **S113459819**
1350 FASHION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113459819
Year: 2010
GEPAID: CAC002652762
Contact: PETER SIMPSON
Telephone: 4158943298
Mailing Name: Not reported
Mailing Address: 333 MARKET ST FL 10
Mailing City,St,Zip: SAN FRANCISCO, CA 941052102
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

69 **WELLS FARGO BANK** **CA HAZNET** **S112901894**
1350 FASHION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112901894
Year:	2013
GEPAID:	CAC002727373
Contact:	GARY MCGUIRE
Telephone:	6196882864
Mailing Name:	Not reported
Mailing Address:	1350 FASHION VALLEY RD.
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45
Facility County:	Not reported

envid:	S112901894
Year:	2013
GEPAID:	CAC002753741
Contact:	PETER SIMPSON
Telephone:	4158943298
Mailing Name:	Not reported
Mailing Address:	333 MARKET ST FL 10
Mailing City,St,Zip:	SAN FRANCISCO, CA 941052103
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.125
Facility County:	Not reported

envid:	S112901894
Year:	2005
GEPAID:	CAC002186529
Contact:	EUGENEE TRON
Telephone:	2133531240
Mailing Name:	Not reported
Mailing Address:	444 S ESCONDIDO BLVD
Mailing City,St,Zip:	ESCONDIDO, CA 92025
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	1.34
Facility County:	San Diego

69 **WELLS FARGO** **CA SWEEPS UST** **S106061819**
1350 FASHION VALLEY RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	21128
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021128-000001
Tank Status:	A
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	121128
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	437-240-24-00
Last HMMD Inspection:	05/12/2011
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	WELLS FARGO
Facility Address:	PO BOX 193775
Facility City:	SAN FRANCISCO
Facility State:	CA
Facility Zip:	94119
UST Owner:	GREAT AMER SAVINGS & LOAN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121128 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121128
Tank Type:	DOUBLE WALL
Additional Id:	AT4504
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-08-13 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	16
UST Monitor Method:	DW TANK SW SUCTION PIPE: CONTINUOUS INTERSTITIAL MONITOR, PIPE

WELLS FARGO (Continued) **S106061819**

TEST TRIENNIALLY

Active Permits:

Facility Id:	121128
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO. 2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	121128
Update Date:	11/02/2012
Inspection Date:	09/22/2004
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

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69 **WELLS FARGO BANK** **CA HAZNET** **S113782690**
1350 FASHION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113782690
Year:	2012
GEPAID:	CAC002697246
Contact:	PETER SIMPSON
Telephone:	4158943298
Mailing Name:	Not reported
Mailing Address:	333 MARKET ST FL 10
Mailing City,St,Zip:	SAN FRANCISCO, CA 94105
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.48
Facility County:	San Diego

---

69 **WELLS FARGO** **CA UST** **U003942992**
1350 FASHION VALLEY RD # 836 **N/A**
SAN DIEGO, CA 92108

UST:

Facility ID:	H21128
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.76773
Longitude:	-117.17129

69 **WELLS FARGO BANK-CORP. PROPERTIES GROUP** **CA HAZNET** **S112905141**
1350 FASHION VALLEY BLVD. **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112905141
Year:	1999
GEPAID:	CAC002221633
Contact:	WELLS FARGO BANK
Telephone:	6192399988
Mailing Name:	Not reported
Mailing Address:	1350 FASHION VALLEY BLVD.
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	AZC980813022
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Not reported
Tons:	2.1267
Facility County:	San Diego

---

69 **WELLS FARGO BANK-CORP. PROPERTIES GROUP** **CA HAZNET** **S112913080**
1350 FASHION VALLEY BLVD. **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112913080
Year:	2000
GEPAID:	CAC002332537
Contact:	MICHEAL THIEM/TMCI MECHANICAL
Telephone:	9094787572
Mailing Name:	Not reported
Mailing Address:	1350 FASHION VALLEY BLVD.
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	0.42
Facility County:	San Diego

---

69 **GABRIELA TRHAC** **CA HAZNET** **S112978384**
6780 FRIARS RD UNIT 238 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112978384
Year:	2009
GEPAID:	CAC002643118
Contact:	GABRIELA TRHAC
Telephone:	8583850411
Mailing Name:	Not reported
Mailing Address:	PO BOX 27693
Mailing City,St,Zip:	SAN DIEGO, CA 921981693
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported

GABRIELA TRHAC (Continued) **S112978384**

Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 2
Facility County: San Diego

---

69 **ERIC DEVERILL** **CA HAZNET** **S113776386**
6855 FRIARS RD UNIT 17 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113776386
Year: 2012
GEPAID: CAC002689490
Contact: ERIC DEVERILL
Telephone: 6192326024
Mailing Name: Not reported
Mailing Address: 10796 PACIFIC CANYON WAY
Mailing City,St,Zip: SAN DIEGO, CA 92121
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1.2
Facility County: San Diego

---

69 **ERNEST GEORGGIN** **CA HAZNET** **S112990980**
6855 FRIARS RD UNIT 15 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112990980
Year: 2011
GEPAID: CAC002672782
Contact: ERNEST GEORGGIN
Telephone: 7607284245
Mailing Name: Not reported
Mailing Address: 6855 FRIARS RD UNIT 15
Mailing City,St,Zip: SAN DIEGO, CA 921081175
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 2.4
Facility County: San Diego

envid: S112990980
Year: 2011
GEPAID: CAC002672782
Contact: ERNEST GEORGGIN
Telephone: 7607284245
Mailing Name: Not reported

ERNEST GEORGGIN (Continued) **S112990980**

Mailing Address:	6855 FRIARS RD UNIT 15
Mailing City,St,Zip:	SAN DIEGO, CA 921081175
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.4
Facility County:	San Diego

---

69 **AJ ROSE** **CA HAZNET** **S113788001**
6855 FRIARS RD UNIT 16 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113788001
Year:	2012
GEPAID:	CAC002704174
Contact:	AJ Rose
Telephone:	6193847177
Mailing Name:	Not reported
Mailing Address:	6855 FRIARS RD UNIT 16
Mailing City,St,Zip:	SAN DIEGO, CA 921081174
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

---

69 **FASHION VALLEY ARCO AM PM** **CA HIST CORTESE** **S101308191**
6899 FRIARS RD **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA SLIC**
CA San Diego Co. HMMD
CA EMI

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2722

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3116

LUST:

Region:	STATE
Global Id:	T0607301476
Latitude:	32.7688079
Longitude:	-117.1713543
Case Type:	LUST Cleanup Site

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Status:	Completed - Case Closed
Status Date:	04/15/2010
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2722
LOC Case Number:	H05129-002
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	This site has been an operating gas station since before 1969. It is currently an AM/PM convenience store and gasoline station with four 10,000 gallon underground storage tanks (USTs) and associated piping and dispensers. Two petroleum hydrocarbon related releases occurred on this site, resulting in two open releases, all case information was managed under case H05129-003. Case H05129-002 was opened in December 1994, following discovery of a fuel release during the removal of one 550 gallon UST. Case H05129-003 was subsequently opened in October 1995, following the detection of additional contamination during the removal of four 6,000 gallon USTs and one 8,000 gallon UST. Site investigation has continued from the time of the initial UST system removals through May 30, 2001, and has included 8 soil borings, the installation of 14 groundwater monitoring wells, and 6 remediation wells/air sparge wells. The site geology consists of silty sand with clayey sand with cobble deposits. The site is located approximately 1,000 feet north of the San Diego River. Site investigations to date identified significant soil and groundwater impacts in the area of the former USTs. Impacted soil extends 50 feet below ground surface (bgs). The volume of petroleum hydrocarbon impacted soil was estimated to be approximately 2,094 cubic yards. Stantec (formerly SECOR) estimated the total mass of petroleum hydrocarbons in place to be approximately 7,484 pounds prior to the operation of the on site remediation system. A soil vapor extraction/air sparge (SVE/AS) system was installed and operated as part of an Interim Remediation Action Plan (IRAP) at the site from November 1, 1997, through May 30, 2001. The system was shut down due to asymptotic hydrocarbon removal rates. Approximately 2,852 pounds of petroleum hydrocarbons were removed by this system. Approximately 4,632 pounds of petroleum hydrocarbons remain in place after the removal of the SVE/AS system. Groundwater was encountered at depths ranging from 20 to 37 feet bgs over the time that this site has been monitored. The groundwater gradient has consistently been to the southwest. Groundwater impacts are primarily occurring beneath the subject property and are currently bounded by monitoring wells on site. The greatest petroleum hydrocarbon impacts to soil and groundwater were found in the area of the former tank excavation and to the immediate south-west of the area. Free product has been observed historically in monitoring wells MW-2B and MW-8, located to the south-west of the former UST system. The maximum LPH thickness was 1.59 feet, observed in August 1996. SPH removal was conducted on site and approximately 8 gallons of separate-phase hydrocarbons were removed from wells MW-2, MW-2B, and MW-8. LPH has not been measured or observed at this site since July 1999. The primary contaminants of concern (COCs) were those compounds related to petroleum hydrocarbons. The COCs identified are gasoline range organics (GRO), benzene, toluene, ethylbenzene, xylenes, MTBE, TBA, and ethanol. A Corrective Action Plan (CAP) was submitted April 4, 2008, and

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

accepted by DEH for implementation. According to Stantec remediation by natural attenuation is the most cost effective remedial alternative based on the past history of soil vapor extraction and air sparging on this site. A benzene and MTBE trend analysis was conducted by Stantec to estimate the time required for benzene and MTBE concentrations to reach the MCL of 1.0 ug/L and 13.0 ug/L respectively. Stantec estimates that benzene will reach the MCL of 1.0 ug/L in approximately 12 years, while MTBE is estimated to reach the MCL of 13.0 ug/L in approximately 36 years. A health risk assessment was performed on this site utilizing groundwater monitoring data for benzene (59 ug/L) from well MW-8, the nearest well to the building with detectable benzene. Stantec concluded that the residual soil and groundwater impacts remaining on site do not pose a threat to human health or the environment. DEH concurs with Stantecs recommendation for the closure of this case.

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301476
Status:	Completed - Case Closed
Status Date:	04/15/2010
Global Id:	T0607301476
Status:	Open - Verification Monitoring
Status Date:	08/10/2009
Global Id:	T0607301476
Status:	Open - Case Begin Date
Status Date:	04/17/1994
Global Id:	T0607301476
Status:	Open - Remediation
Status Date:	06/22/2004

Regulatory Activities:

Global Id:	T0607301476
Action Type:	ENFORCEMENT
Date:	04/15/2010
Action:	Closure/No Further Action Letter
Global Id:	T0607301476
Action Type:	Other
Date:	04/17/1994
Action:	Leak Began
Global Id:	T0607301476
Action Type:	Other
Date:	04/17/1994
Action:	Leak Discovery
Global Id:	T0607301476
Action Type:	ENFORCEMENT
Date:	04/25/1994
Action:	Notice of Responsibility
Global Id:	T0607301476

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Action Type:	Other
Date:	04/17/1994
Action:	Leak Reported
Global Id:	T0607301476
Action Type:	ENFORCEMENT
Date:	07/15/2009
Action:	Letter - Notice
Global Id:	T0607301476
Action Type:	ENFORCEMENT
Date:	10/07/2009
Action:	Technical Correspondence / Assistance / Other
Region:	STATE
Global Id:	T0607301883
Latitude:	32.7681870231663
Longitude:	-117.171785831451
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/15/2010
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3116
LOC Case Number:	H05129-003
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	This site has been an operating gas station since before 1969. It is currently an AM/PM convenience store and gasoline station with four 10,000 gallon underground storage tanks (USTs) and associated piping and dispensers. Two petroleum hydrocarbon related releases occurred on this site, resulting in two open releases, all case information was managed under case H05129-003. Case H05129-002 was opened in December 1994, following discovery of a fuel release during the removal of one 550 gallon UST. Case H05129-003 was subsequently opened in October 1995, following the detection of additional contamination during the removal of four 6,000 gallon USTs and one 8,000 gallon UST. Site investigation has continued from the time of the initial UST system removals through May 30, 2001, and has included 8 soil borings, the installation of 14 groundwater monitoring wells, and 6 remediation wells/air sparge wells. The site geology consists of silty sand with clayey sand with cobble deposits. The site is located approximately 1,000 feet north of the San Diego River. Site investigations to date identified significant soil and groundwater impacts in the area of the former USTs. Impacted soil extends 50 feet below ground surface (bgs). The volume of petroleum hydrocarbon impacted soil was estimated to be approximately 2,094 cubic yards. Stantec (formerly SECOR) estimated the total mass of petroleum hydrocarbons in place to be approximately 7,484 pounds prior to the operation of the on site remediation system. A soil vapor extraction/air sparge (SVE/AS) system was installed and operated as part of an Interim Remediation Action Plan (IRAP) at the site from November 1, 1997, through May 30, 2001. The system was shut

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

down due to asymptotic hydrocarbon removal rates. Approximately 2,852 pounds of petroleum hydrocarbons were removed by this system. Approximately 4,632 pounds of petroleum hydrocarbons remain in place after the removal of the SVE/AS system. Groundwater was encountered at depths ranging from 20 to 37 feet bgs over the time that this site has been monitored. The groundwater gradient has consistently been to the southwest. Groundwater impacts are primarily occurring beneath the subject property and are currently bounded by monitoring wells on site. The greatest petroleum hydrocarbon impacts to soil and groundwater were found in the area of the former tank excavation and to the immediate south-west of the area. Free product has been observed historically in monitoring wells MW-2B and MW-8, located to the south-west of the former UST system. The maximum LPH thickness was 1.59 feet, observed in August 1996. SPH removal was conducted on site and approximately 8 gallons of separate-phase hydrocarbons were removed from wells MW-2, MW-2B, and MW-8. LPH has not been measured or observed at this site since July 1999. The primary contaminants of concern (COCs) were those compounds related to petroleum hydrocarbons. The COCs identified are gasoline range organics (GRO), benzene, toluene, ethylbenzene, xylenes, MTBE, TBA, and ethanol. A Corrective Action Plan (CAP) was submitted April 4, 2008, and accepted by DEH for implementation. According to Stantec remediation by natural attenuation is the most cost effective remedial alternative based on the past history of soil vapor extraction and air sparging on this site. A benzene and MTBE trend analysis was conducted by Stantec to estimate the time required for benzene and MTBE concentrations to reach the MCL of 1.0 ug/L and 13.0 ug/L respectively. Stantec estimates that benzene will reach the MCL of 1.0 ug/L in approximately 12 years, while MTBE is estimated to reach the MCL of 13.0 ug/L in approximately 36 years. A health risk assessment was performed on this site utilizing groundwater monitoring data for benzene (59 ug/L) from well MW-8, the nearest well to the building with detectable benzene. Stantec concluded that the residual soil and groundwater impacts remaining on site do not pose a threat to human health or the environment. DEH concurs with Stantecs recommendation for the closure of this case.

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301883
Status:	Completed - Case Closed
Status Date:	04/15/2010
Global Id:	T0607301883
Status:	Open - Verification Monitoring
Status Date:	03/25/2009
Global Id:	T0607301883
Status:	Open - Case Begin Date
Status Date:	10/10/1995
Global Id:	T0607301883
Status:	Open - Remediation
Status Date:	06/22/2004

Regulatory Activities:

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Global Id: T0607301883
Action Type: ENFORCEMENT
Date: 04/15/2010
Action: Closure/No Further Action Letter

Global Id: T0607301883
Action Type: Other
Date: 10/10/1995
Action: Leak Began

Global Id: T0607301883
Action Type: Other
Date: 10/10/1995
Action: Leak Discovery

Global Id: T0607301883
Action Type: REMEDIATION
Date: 11/01/1997
Action: Soil Vapor Extraction (SVE)

Global Id: T0607301883
Action Type: REMEDIATION
Date: 10/30/1995
Action: Excavation

Global Id: T0607301883
Action Type: ENFORCEMENT
Date: 10/20/1995
Action: Notice of Responsibility

Global Id: T0607301883
Action Type: Other
Date: 10/10/1995
Action: Leak Stopped

Global Id: T0607301883
Action Type: Other
Date: 10/10/1995
Action: Leak Reported

Global Id: T0607301883
Action Type: ENFORCEMENT
Date: 07/15/2009
Action: Letter - Notice

Global Id: T0607301883
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301883
Action Type: ENFORCEMENT
Date: 10/07/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301883
Action Type: RESPONSE

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Date: 07/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607301883
Action Type: RESPONSE
Date: 05/04/2009
Action: Monitoring Report - Quarterly

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2722
Local Case: H05129-002
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Other Means
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/07/1994
Date Stopped: 04/07/1994
Confirm Date: 04/17/1994
Submit Workplan: Not reported
Prelim Assess: 04/17/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/20/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: MUNISW
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT3116
Local Case: H05129-003
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Not reported

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

How Stopped: Not reported
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/10/1995
Date Stopped: 10/10/1995
Confirm Date: 10/10/1995
Submit Workplan: Not reported
Prelim Assess: 10/10/1995
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 10/17/95
Began Monitor: Not reported
Release Date: 10/10/1995
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/10/1988
Global Id: T0608173345
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H05129-001
Latitude: 32.768259
Longitude: -117.171865
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:
Facility Id: 201236
Business Type: 6HK28
EPA Id Number: CAL000267127
APN: 437-240-23-00
Last HMMD Inspection: 03/14/2012
Permit Status: OPEN

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Permit Expiration:	07/31/2013
Facility Owner:	E.S.A INVESTMENT CORPORATION
Facility Address:	6899 FRIARS RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	E.S.A INVESTMENT CORPORATION
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

UST:

UST Name:	UNDERGROUND TANK 105129 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849, RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105129 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849; RT2105,RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105129 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849; RT2105,RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105129 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849; RT2105,RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105129 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105129 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Other Information:	UNDERGROUND TANK 105129 T009
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 105129 T0010
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	201236
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GASOLINE FUEL FILTERS & ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/23/2006
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/15/2011
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/24/2008
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/23/2005
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/07/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/15/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/15/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/24/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/25/2009
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/07/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	11/13/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/14/2012
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/23/2005
Violation Code:	6HV3160
Violation:	UST SYSTEM REPAIRS NOT PROPERLY DONE
Violation Citation:	UST system repair(s) not completed properly. 25292.1(c); 2660 (a)(k)(l)(m)
Activity:	ACTIVE

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/14/2012
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE

Facility Id:	201236
Update Date:	11/02/2012

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Inspection Date:	03/25/2009
Violation Code:	6HV3254
Violation:	UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation:	UST system does not have an approved overfill protection system. 2635(b)(2)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/23/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/15/2011
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/24/2008
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	11/13/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	105129
Business Type:	6HK28
EPA Id Number:	CAL000225454
APN:	437-240-23-00
Last HMMD Inspection:	11/13/2003
Permit Status:	CHNG
Permit Expiration:	01/31/2004
Facility Owner:	BP WEST COAST PRODUCTS LLC
Facility Address:	PO BOX 6038
Facility City:	ARTESIA
Facility State:	CA
Facility Zip:	90702-6038

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

UST Owner:	BP WEST COAST PRODUCTS LL
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105129 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	105129
Tank Type:	SINGLE WALL
Additional Id:	0000000001
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-10-10 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 105129 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	105129
Tank Type:	SINGLE WALL
Additional Id:	0000000002
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-10-10 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 105129 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	105129
Tank Type:	SINGLE WALL
Additional Id:	0000000003
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-10-10 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105129 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 105129
Tank Type: SINGLE WALL
Additional Id: 0000000004
Capacity Gallons: 6000
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1995-10-10 00:00:00
Year Installed: 1970-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105129 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 105129
Tank Type: SINGLE WALL
Additional Id: 0000000005
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1995-10-10 00:00:00
Year Installed: 1980-01-01 00:00:00
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105129 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 105129
Tank Type: SINGLE WALL
Additional Id: 006
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1994-02-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 105129 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 105129
Tank Type: DOUBLE WALL

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Additional Id:	NT1849, RT1927
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 105129 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	105129
Tank Type:	DOUBLE WALL
Additional Id:	NT1849, RT1927
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 105129 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	105129
Tank Type:	DOUBLE WALL
Additional Id:	NT1849, RT1927
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 105129 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	105129
Tank Type:	DOUBLE WALL
Additional Id:	NT1849, RT1927
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

Facility Id:	201236
Business Type:	6HK28
EPA Id Number:	CAL000267127
APN:	437-240-23-00
Last HMMD Inspection:	03/14/2012
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	E.S.A INVESTMENT CORPORATION
Facility Address:	6899 FRIARS RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	E.S.A INVESTMENT CORPORATION
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 105129 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849, RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 105129 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849; RT2105,RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 105129 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849; RT2105,RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 105129 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	201236
Tank Type:	DOUBLE WALL
Additional Id:	NT1849; RT2105,RT3288, RT4653
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1995-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105129 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105129 T008
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105129 T009
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 105129 T0010
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	201236
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	GASOLINE FUEL FILTERS & ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/23/2006
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE

Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/15/2011
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE

Facility Id:	201236

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Update Date:	11/02/2012
Inspection Date:	03/24/2008
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/23/2005
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/07/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/15/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/15/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/24/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/25/2009
Violation Code:	6HV3114

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/07/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	11/13/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/14/2012
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/08/2010
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	201236
Update Date:	11/02/2012
Inspection Date:	03/23/2005
Violation Code:	6HV3160
Violation:	UST SYSTEM REPAIRS NOT PROPERLY DONE
Violation Citation:	UST system repair(s) not completed properly. 25292.1(c); 2660

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

(a)(k)(l)(m)
Activity: ACTIVE

Facility Id: 201236
Update Date: 11/02/2012
Inspection Date: 03/14/2012
Violation Code: 6HV3193
Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity: ACTIVE

Facility Id: 201236
Update Date: 11/02/2012
Inspection Date: 03/25/2009
Violation Code: 6HV3254
Violation: UST SYSTEM W/O APPROVED OVERFILL PROTECT
Violation Citation: UST system does not have an approved overfill protection system. 2635(b)(2)
Activity: ACTIVE

Facility Id: 201236
Update Date: 11/02/2012
Inspection Date: 03/23/2006
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity: ACTIVE

Facility Id: 201236
Update Date: 11/02/2012
Inspection Date: 03/15/2011
Violation Code: 6HV3152
Violation: ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation: All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity: ACTIVE

Facility Id: 201236
Update Date: 11/02/2012
Inspection Date: 03/24/2008
Violation Code: 6HV3193
Violation: NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation: Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity: ACTIVE

Facility Id: 201236
Update Date: 11/02/2012
Inspection Date: 11/13/2003
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

EMI:

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.82
Reactive Organic Gases Tons/Yr:	1.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.82
Reactive Organic Gases Tons/Yr:	1.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.82
Reactive Organic Gases Tons/Yr:	1.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.8200000000000001
Reactive Organic Gases Tons/Yr:	1.8200000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.8200000000000001
Reactive Organic Gases Tons/Yr:	1.8200000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.82
Reactive Organic Gases Tons/Yr:	1.82
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.82
Reactive Organic Gases Tons/Yr:	1.82

FASHION VALLEY ARCO AM PM (Continued) **S101308191**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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69 **FASHION VALLEY ARCO AM PM** **FINDS** **1006826323**
6899 FRIARS RD **CA EMI** **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110013853883

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3784

FASHION VALLEY ARCO AM PM (Continued) **1006826323**

Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3617608

FASHION VALLEY ARCO AM PM (Continued) **1006826323**

Reactive Organic Gases Tons/Yr:	2.3617608
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	3784
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.3617608
Reactive Organic Gases Tons/Yr:	2.3617608
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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69 **STELLA MARIS CORP** **CA SWEEPS UST** **S106932578**
6899 FRIARS RD 3052 **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	5129
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005129-000001
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	5

Status:	Active
Comp Number:	5129
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005129-000002
Tank Status:	A
Capacity:	6000
Active Date:	Not reported

STELLA MARIS CORP (Continued) **S106932578**

Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 5129
Number: 9
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005129-000003
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 5129
Number: 9
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005129-000004
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 5129
Number: 9
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005129-000005
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

69 **STELLA MARIS CORP** **CA UST** **U003789197**
6899 FRIARS RD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

UST:

Facility ID:	H05129
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.7697545
Longitude:	-117.1706305

SAN DIEGO CO. SAM:

Case Number:	H05129-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	6/10/1988
Date Began:	8/10/1987

Case Number:	H05129-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Action (Clean-Up)
Date:	4/27/2005
Date Began:	4/17/1994

Case Number:	H05129-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Action (Clean-Up)
Date:	4/27/2005
Date Began:	10/10/1995

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69 **DBA / FASHION VALLEY ARCO AM/PM** **CA HAZNET** **S113125198**
6899 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113125198
Year:	2013
GEPAID:	CAL000267127
Contact:	EDWIN AWWAD
Telephone:	6192951169
Mailing Name:	Not reported
Mailing Address:	6899 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAD981696420
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.8106
Facility County:	Not reported

envid:	S113125198
Year:	2011

DBA / FASHION VALLEY ARCO AM/PM (Continued) **S113125198**

GEPAID: CAL000267127
Contact: EDWIN AWWAD
Telephone: 6192951169
Mailing Name: Not reported
Mailing Address: 6899 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.834
Facility County: San Diego

envid: S113125198
Year: 2009
GEPAID: CAL000267127
Contact: EDWIN AWWAD
Telephone: 6192951169
Mailing Name: Not reported
Mailing Address: 6899 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.017
Facility County: San Diego

envid: S113125198
Year: 2005
GEPAID: CAL000267127
Contact: EDWIN AWWAD
Telephone: 6192951169
Mailing Name: Not reported
Mailing Address: 6899 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 0.1
Facility County: San Diego

envid: S113125198
Year: 2005
GEPAID: CAL000267127
Contact: EDWIN AWWAD
Telephone: 6192951169
Mailing Name: Not reported
Mailing Address: 6899 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported

DBA / FASHION VALLEY ARCO AM/PM (Continued) **S113125198**

TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.12
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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69 **BP WEST COAST PRODUCTS LLC 03052** **CA HAZNET** **S113113844**
6899 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S113113844
Year: 2010
GEPAID: CAL000225454
Contact: JACKIE DOUGHERTY
Telephone: 9497354632
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 1.1
Facility County: San Diego

envid: S113113844
Year: 2010
GEPAID: CAL000225454
Contact: JACKIE DOUGHERTY
Telephone: 9497354632
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 1.176
Facility County: San Diego

envid: S113113844
Year: 2004
GEPAID: CAL000225454
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Not reported

BP WEST COAST PRODUCTS LLC 03052 (Continued) **S113113844**

TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.22
Facility County: San Diego

envid: S113113844
Year: 2002
GEPAID: CAL000225454
Contact: JACK OMAN WASTE SPECIALIST
Telephone: 7146703958
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 1.77
Facility County: San Diego

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69 **ARCO PRODUCTS COMPANY** **CA HAZNET** **S113031968**
6899 FRIARS RD **N/A**
SAN DIEGO, CA 92110

HAZNET:
envid: S113031968
Year: 2001
GEPAID: CAL000028067
Contact: CARLOS RODRIGUEZ/ENV COMPL ADM
Telephone: 7146705402
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.68
Facility County: San Diego

envid: S113031968
Year: 2000
GEPAID: CAL000028067
Contact: CARLOS RODRIGUEZ/ENV COMPL ADM
Telephone: 7146705402
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.12

ARCO PRODUCTS COMPANY (Continued) **S113031968**

Facility County: San Diego

envid: S113031968
Year: 1999
GEPAID: CAL000028067
Contact: ATLANTIC RICHFIELD COMPANY
Telephone: 2134860494
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 1.1259
Facility County: San Diego

envid: S113031968
Year: 1998
GEPAID: CAL000028067
Contact: ATLANTIC RICHFIELD COMPANY
Telephone: 2134860494
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .6255
Facility County: San Diego

envid: S113031968
Year: 1997
GEPAID: CAL000028067
Contact: ATLANTIC RICHFIELD COMPANY
Telephone: 2134860494
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .0834
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

69 **FASHION VALLEY AM PM MINI MARKET** **EDR US Hist Auto Stat** **1008998037**
6899 FRIARS RD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	MARKEE FASHION VALLEY ARCO
Year:	1975
Type:	GASOLINE STATIONS
Name:	FASHION VALLEY AM PM MINI MARKET
Year:	1980
Type:	GASOLINE STATIONS
Name:	FASHION VALLEY AM PM MINI MARKET
Year:	1984
Type:	GASOLINE STATIONS
Name:	FASHION VALLEY ARCO
Year:	1999
Address:	6899 FRIARS RD
Name:	FASHION VALLEY ARCO
Year:	2000
Address:	6899 FRIARS RD
Name:	ARCO CORP
Year:	2005
Address:	6899 FRIARS RD
Name:	ARCO CORP
Year:	2007
Address:	6899 FRIARS RD
Name:	ARCO GAS STATION
Year:	2008
Address:	6899 FRIARS RD
Name:	FASHION VALLEY ARCO
Year:	2010
Address:	6899 FRIARS RD

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69 **MICHAEL A TOMMANEY** **CA RGA LUST** **S114650941**
6899 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	MICHAEL A TOMMANEY	6899 FRIARS RD
2003	MICHAEL A TOMMANEY	6899 FRIARS RD

69 **ARCO 3052** **CA RGA LUST** **S114575082**
6899 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	ARCO 3052	6899 FRIARS RD
2003	ARCO 3052	6899 FRIARS RD

---

69 **ARCO #3052** **CA RGA LUST** **S114573955**
6899 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	ARCO #3052	6899 FRIARS RD
2002	ARCO #3052	6899 FRIARS RD
2001	ARCO #3052	6899 FRIARS RD
2000	ARCO #3052	6899 FRIARS RD
1998	ARCO #3052	6899 FRIARS RD
1997	ARCO #3052	6899 FRIARS RD

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69 **STELLA MARIS CORP** **CA RGA LUST** **S114695969**
6899 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	STELLA MARIS CORP	6899 FRIARS RD
2011	STELLA MARIS CORP	6899 FRIARS RD
2010	STELLA MARIS CORP	6899 FRIARS RD
2009	STELLA MARIS CORP	6899 FRIARS RD
2008	STELLA MARIS CORP	6899 FRIARS RD
2007	STELLA MARIS CORP	6899 FRIARS RD
2007	STELLA MARIS CORP	6899 FRIARS RD
2007	STELLA MARIS CORP	6899 FRIARS RD
2006	STELLA MARIS CORP	6899 FRIARS RD
2005	STELLA MARIS CORP	6899 FRIARS RD

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69 **ARCO PRODUCTS COMPANY** **CA RGA LUST** **S114575544**
6899 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	ARCO PRODUCTS COMPANY	6899 FRIARS RD
2001	ARCO PRODUCTS COMPANY	6899 FRIARS RD
2000	ARCO PRODUCTS COMPANY	6899 FRIARS RD
1998	ARCO PRODUCTS COMPANY	6899 FRIARS RD
1997	ARCO PRODUCTS COMPANY	6899 FRIARS RD
1996	ARCO PRODUCTS COMPANY	6899 FRIARS RD
1995	ARCO PRODUCTS COMPANY	6899 FRIARS RD
1994	ARCO PRODUCTS COMPANY	6899 FRIARS RD

69 | **HMIRS** | **92100388** | **N/A**

FASHION VALLEY & FRIARS ROAD
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

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69 | **CA HIST UST** | **U001572848** | **N/A**

MICHAEL A TOMMANEY
6899 FRIARS RD
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000026731
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	ARCO PETROLEUM PRODUCTS CO.
Owner Address:	515 SOUTH FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90071
Total Tanks:	0005
Tank Num:	001
Container Num:	0000000001
Year Installed:	1970
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10
Tank Num:	002
Container Num:	0000000002
Year Installed:	1970
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	0000000003
Year Installed:	1970
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240
Leak Detection:	Stock Inventor, 10
Tank Num:	004
Container Num:	0000000004
Year Installed:	1970
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	0000240

MICHAEL A TOMMANEY (Continued) **U001572848**

Leak Detection:	Stock Inventor, 10
Tank Num:	005
Container Num:	0000000005
Year Installed:	1980
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

---

69 **CA CHMIRS** **S105638599**

FASHION VALLEY RD AND FRIARS RD **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	010654
OES notification:	Not reported
OES Date:	10/26/1995
OES Time:	11:59:56 AM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	NO
Waterway:	SAN DIEGO RIVER
Spill Site:	Not reported
Cleanup By:	ELMORE'S TUNNEL JACKING
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1995
Agency:	BARRET CONSULTING GROUP

(Continued) **S105638599**

Incident Date:	20OCT95
Admin Agency:	Not reported
Amount:	30 GALS EST
Contained:	YES
Site Type:	RD
E Date:	Not reported
Substance:	HYDROLIC FLUID
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	WHILE DIGGING A TUNNEL FOR A SEWER LINE A HYDROLIC LINE SOMEHOW FAILED. PRODUCT WAS RELEASED INTO A SUMP AND PUMPED OUT AND INTO THE RIVER.

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69 **FIRESTONE COMPLETE AUTO CARE # 22F2** **CA HAZNET** **S113799887**
6977 FRIARS RD STE 140A **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113799887
Year:	2013
GEPAID:	CAL000366195
Contact:	JACQUI VIERLINCK
Telephone:	9494544723
Mailing Name:	Not reported
Mailing Address:	24361 El Toro Road
Mailing City,St,Zip:	Laguna Hills, CA 926378897
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.04
Facility County:	Not reported

envid:	S113799887
Year:	2013
GEPAID:	CAL000366195
Contact:	JACQUI VIERLINCK
Telephone:	9494544723
Mailing Name:	Not reported
Mailing Address:	24361 El Toro Road
Mailing City,St,Zip:	Laguna Hills, CA 926378897
Gen County:	San Diego

FIRESTONE COMPLETE AUTO CARE # 22F2 (Continued) **S113799887**

TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0525
Facility County:	Not reported

envid:	S113799887
Year:	2013
GEPAID:	CAL000366195
Contact:	JACQUI VIERLINCK
Telephone:	9494544723
Mailing Name:	Not reported
Mailing Address:	24361 El Toro Road
Mailing City,St,Zip:	Laguna Hills, CA 926378897
Gen County:	San Diego
TSD EPA ID:	CAD980675276
TSD County:	Kern
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.075
Facility County:	Not reported

envid:	S113799887
Year:	2013
GEPAID:	CAL000366195
Contact:	JACQUI VIERLINCK
Telephone:	9494544723
Mailing Name:	Not reported
Mailing Address:	24361 El Toro Road
Mailing City,St,Zip:	Laguna Hills, CA 926378897
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.16
Facility County:	Not reported

envid:	S113799887
Year:	2013
GEPAID:	CAL000366195
Contact:	JACQUI VIERLINCK
Telephone:	9494544723
Mailing Name:	Not reported
Mailing Address:	24361 El Toro Road
Mailing City,St,Zip:	Laguna Hills, CA 926378897
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0625

FIRESTONE COMPLETE AUTO CARE # 22F2 (Continued) **S113799887**

Facility County: Not reported

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

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69 **FIRESTONE #22F2** **CA LUST** **S106061301**
6977 FRIARS RD **CA AST** **N/A**
SAN DIEGO, CA 92108 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST:

Region:	STATE
Global Id:	T0607300986
Latitude:	32.768749
Longitude:	-117.169933
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/27/1987
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT222
LOC Case Number:	H15985-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300986
Status:	Open - Case Begin Date
Status Date:	10/24/1986
Global Id:	T0607300986
Status:	Completed - Case Closed
Status Date:	01/27/1987

Regulatory Activities:

Global Id:	T0607300986
Action Type:	Other
Date:	10/24/1986
Action:	Leak Began
Global Id:	T0607300986
Action Type:	Other
Date:	10/24/1986
Action:	Leak Discovery
Global Id:	T0607300986
Action Type:	Other
Date:	10/24/1986
Action:	Leak Reported

AST:

FIRESTONE #22F2 (Continued) **S106061301**

Certified Unified Program Agencies: San Diego
Owner: BRIDGESTONE/FIRESTONE INC.
Total Gallons: 1640

SAN DIEGO CO. HMMD:
Facility Id: 115985
Business Type: 6HK26
EPA Id Number: CAL000366195
APN: 437-291-29-00
Last HMMD Inspection: 05/12/2011
Permit Status: OPEN
Permit Expiration: 04/30/2013
Facility Owner: BRIDGESTONE RETAIL OPERATIONS LLC
Facility Address: 333 E LAKE ST
Facility City: BLOOMINGDALE
Facility State: IL
Facility Zip: 60108
UST Owner: JC PENNEY CO INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 115985 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 115985
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 115985 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 115985
Tank Type: DOUBLE WALL
Additional Id: 001 WASTE OIL
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1998-04-12 00:00:00
Year Installed: 1986-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 21

FIRESTONE #22F2 (Continued) **S106061301**

UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id: 115985
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OIL, LUBRICATING : MOTOR ATF, GEAR
Other Information: MOTOR OIL (AST), ATF
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: USED BRAKE FLUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: CLARIFIER/SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

FIRESTONE #22F2 (Continued) **S106061301**

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED AEROSOLS CANS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: SOCKS, PADS PIGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: BATT. INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL, 95%: ENGINE COOLANT ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 02/22/2006
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012

FIRESTONE #22F2 (Continued) **S106061301**

Inspection Date:	04/13/2009
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/22/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/22/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	08/06/2004
Violation Code:	6HV1601

FIRESTONE #22F2 (Continued) **S106061301**

Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV1602
Violation:	P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation:	Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	08/14/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/22/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	08/14/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)

FIRESTONE #22F2 (Continued) **S106061301**

Activity: ACTIVE

Facility Id: 115985
Business Type: 6HK26
EPA Id Number: CAL000366195
APN: 437-291-29-00
Last HMMD Inspection: 05/12/2011
Permit Status: OPEN
Permit Expiration: 04/30/2013
Facility Owner: BRIDGESTONE RETAIL OPERATIONS LLC
Facility Address: 333 E LAKE ST
Facility City: BLOOMINGDALE
Facility State: IL
Facility Zip: 60108
UST Owner: JC PENNEY CO INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 115985 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 115985
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 115985 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 115985
Tank Type: DOUBLE WALL
Additional Id: 001 WASTE OIL
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1998-04-12 00:00:00
Year Installed: 1986-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

FIRESTONE #22F2 (Continued) **S106061301**

Active Permits:

Facility Id:	115985
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING : MOTOR ATF, GEAR
Other Information:	MOTOR OIL (AST), ATF
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	AQUEOUS PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	USED BRAKE FLUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	CLARIFIER/SUMP SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	115985
Update Date:	11/02/2012

FIRESTONE #22F2 (Continued) **S106061301**

Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	USED AEROSOLS CANS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	SOCKS, PADS PIGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	BATT. INTERSTATE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL, 95%: ENGINE COOLANT ANTIFREEZE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	USED ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/22/2006
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV0135

FIRESTONE #22F2 (Continued) **S106061301**

Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV0234
Violation:	FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation:	Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/22/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	04/13/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/22/2006
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	02/11/2003
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	115985
Update Date:	11/02/2012
Inspection Date:	08/06/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system.

FIRESTONE #22F2 (Continued) **S106061301**

66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV1602
Violation: P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation: Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 08/14/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 02/22/2006
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 08/14/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

FIRESTONE #22F2 (Continued) **S106061301**

Facility Id:	115985
Business Type:	6HK26
EPA Id Number:	CAL000366195
APN:	437-291-29-00
Last HMMD Inspection:	05/12/2011
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	BRIDGESTONE RETAIL OPERATIONS LLC
Facility Address:	333 E LAKE ST
Facility City:	BLOOMINGDALE
Facility State:	IL
Facility Zip:	60108
UST Owner:	JC PENNEY CO INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	N
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 115985 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	115985
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 115985 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	115985
Tank Type:	DOUBLE WALL
Additional Id:	001 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1998-04-12 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	115985

FIRESTONE #22F2 (Continued) **S106061301**

Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING : MOTOR ATF, GEAR
Other Information:	MOTOR OIL (AST), ATF
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	AQUEOUS PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	USED BRAKE FLUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	CLARIFIER/SUMP SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	115985
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)

FIRESTONE #22F2 (Continued) **S106061301**

Other Information: USED AEROSOLS CANS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: SOCKS, PADS PIGS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: BATT. INTERSTATE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL, 95%: ENGINE COOLANT ANTIFREEZE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 115985
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: USED ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 02/22/2006
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained

FIRESTONE #22F2 (Continued) **S106061301**

onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV0234
Violation: FACILITY NOT OPERATED TO MINIM. RELEASE
Violation Citation: Did not maintain &/or operate facility to prevent release or fire. CFR 265.31
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 02/22/2006
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 02/22/2006
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 02/11/2003
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 08/06/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

FIRESTONE #22F2 (Continued) **S106061301**

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV1602
Violation: P.E. ASSESSMENT REPORT NOT COMPLETE
Violation Citation: Failed to provide adequate P.E. Assessment report for a HW tank system. 66265.191(g) or 66265.192(k)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 08/14/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 02/22/2006
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 04/13/2009
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity: ACTIVE

Facility Id: 115985
Update Date: 11/02/2012
Inspection Date: 08/14/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

SAN DIEGO CO. SAM:
Case Number: H15985-001

FIRESTONE #22F2 (Continued) **S106061301**

Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 1/27/1987
Date Began: 10/24/1986

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69 **EDR US Hist Auto Stat** **1015603015**
6977 FRIARS RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: AMERICAN TIRE & SERVICE
Year: 2003
Address: 6977 FRIARS RD

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69 **FIRESTONE STORE #22F2** **CA HAZNET** **S113122001**
6977 FRIARS RD STE 140 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113122001
Year: 2011
GEPAID: CAL000258933
Contact: JACK SU/FINANCIAL ANALYST
Telephone: 9495985520
Mailing Name: Not reported
Mailing Address: 333 E LAKE ST
Mailing City,St,Zip: BLOOMINGDALE, IL 60108
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.2
Facility County: San Diego

envid: S113122001
Year: 2011
GEPAID: CAL000258933
Contact: JACK SU/FINANCIAL ANALYST
Telephone: 9495985520
Mailing Name: Not reported
Mailing Address: 333 E LAKE ST
Mailing City,St,Zip: BLOOMINGDALE, IL 60108
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.2
Facility County: San Diego

envid: S113122001

FIRESTONE STORE #22F2 (Continued) **S113122001**

Year:	2011
GEPAID:	CAL000258933
Contact:	JACK SU/FINANCIAL ANALYST
Telephone:	9495985520
Mailing Name:	Not reported
Mailing Address:	333 E LAKE ST
Mailing City,St,Zip:	BLOOMINGDALE, IL 60108
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.25
Facility County:	San Diego

envid:	S113122001
Year:	2011
GEPAID:	CAL000258933
Contact:	JACK SU/FINANCIAL ANALYST
Telephone:	9495985520
Mailing Name:	Not reported
Mailing Address:	333 E LAKE ST
Mailing City,St,Zip:	BLOOMINGDALE, IL 60108
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.25
Facility County:	San Diego

envid:	S113122001
Year:	2010
GEPAID:	CAL000258933
Contact:	JIM NASTOF
Telephone:	9495985509
Mailing Name:	Not reported
Mailing Address:	333 E LAKE ST
Mailing City,St,Zip:	BLOOMINGDALE, IL 601080000
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.285
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
19 additional CA_HAZNET: record(s) in the EDR Site Report.

69 **FIRESTONE STORE 22F2** **FINDS** **1007651433**
6977 FRIARS RD STE 140 **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110017958717

Environmental Interest/Information System
STATE MASTER

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

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69 **FIRESTONE** **CA RGA LUST** **S114620533**
6977 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	FIRESTONE	6977 FRIARS RD
2003	FIRESTONE	6977 FRIARS RD

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69 **FIRESTONE #22F2** **CA RGA LUST** **S114620333**
6977 FRIARS RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	FIRESTONE #22F2	6977 FRIARS RD
2011	FIRESTONE #22F2	6977 FRIARS RD
2010	FIRESTONE #22F2	6977 FRIARS RD
2009	FIRESTONE #22F2	6977 FRIARS RD
2008	FIRESTONE #22F2	6977 FRIARS RD
2007	FIRESTONE #22F2	6977 FRIARS RD
2006	FIRESTONE #22F2	6977 FRIARS RD
2005	FIRESTONE #22F2	6977 FRIARS RD

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69 **J C PENNY STORE #1950** **CA HAZNET** **S113148736**
6987 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113148736
Year:	2011
GEPAID:	CAL000322590
Contact:	AIMEE PASQUIER
Telephone:	9724311032
Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DR
Mailing City,St,Zip:	PLANO, TX 750240000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported

J C PENNY STORE #1950 (Continued) **S113148736**

Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	10
Facility County:	San Diego
envid:	S113148736
Year:	2011
GEPAID:	CAL000322590
Contact:	AIMEE PASQUIER
Telephone:	9724311032
Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DR
Mailing City,St,Zip:	PLANO, TX 750240000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	10
Facility County:	San Diego
envid:	S113148736
Year:	2010
GEPAID:	CAL000322590
Contact:	BRAD JENNINGS
Telephone:	9724318431
Mailing Name:	Not reported
Mailing Address:	6501 LEGACY DR
Mailing City,St,Zip:	PLANO, TX 750243612
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	8
Facility County:	San Diego

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69 **JC PENNY** **CA HAZNET** **S112950903**
6987 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112950903
Year:	2006
GEPAID:	CAC002599498
Contact:	CHIP CLARKE
Telephone:	6192916050
Mailing Name:	Not reported
Mailing Address:	6987 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921081100
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill

JC PENNY (Continued) **S112950903**

Tons: 1.68
Facility County: San Diego

envid: S112950903
Year: 2006
GEPAID: CAC002599498
Contact: CHIP CLARKE
Telephone: 6192916050
Mailing Name: Not reported
Mailing Address: 6987 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921081100
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: 0.02
Facility County: San Diego

envid: S112950903
Year: 2006
GEPAID: CAC002599498
Contact: CHIP CLARKE
Telephone: 6192916050
Mailing Name: Not reported
Mailing Address: 6987 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921081100
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: 0.02
Facility County: San Diego

envid: S112950903
Year: 2006
GEPAID: CAC002599498
Contact: CHIP CLARKE
Telephone: 6192916050
Mailing Name: Not reported
Mailing Address: 6987 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 921081100
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 3.37
Facility County: San Diego

69 **JC PENNEY** **CA San Diego Co. HMMD** **S112931844**
6987 FRIARS RD **CA HAZNET** **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	216786
Business Type:	6HK70
EPA Id Number:	CAL000322589
APN:	437-291-26-00
Last HMMD Inspection:	08/10/2012
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	JC PENNEY CORP
Facility Address:	4703 TIDEWATER AV #B
Facility City:	OAKLAND
Facility State:	CA
Facility Zip:	94601
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	216786
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	AEROSOLS-WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216786
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PAINT AND PRIMERS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	216786
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 122 ALKALINE SOL'N W/OUT METALS
Other Information:	CORROSIVE BASICS-WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216786
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 131 AQUEOUS SOL'N W/REACTIVE ANION
Other Information:	OXIDIZERS-WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported

JC PENNEY (Continued) **S112931844**

Hazardous Categories 2: Not reported

Facility Id: 216786
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: FLAMMABLES-WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216786
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 612 HOUSEHOLD WASTES
Other Information: CORROSIVE ACIDIC-WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

HAZNET:
envid: S112931844
Year: 2004
GEPAID: CAC002568550
Contact: RICK MELANSON
Telephone: 9724314280
Mailing Name: Not reported
Mailing Address: 6987 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 8.42
Facility County: San Diego

envid: S112931844
Year: 2003
GEPAID: CAC002568550
Contact: RICK MELANSON
Telephone: 9724314280
Mailing Name: Not reported
Mailing Address: 6987 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 156
Facility County: San Diego

69 **NORDSTROM** **CA San Diego Co. HMMD** **S104756338**
6997 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	137690
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	437-291-27-00
Last HMMD Inspection:	12/03/2003
Permit Status:	CHNG
Permit Expiration:	10/31/2002
Facility Owner:	NORDSTROM
Facility Address:	6997 FRIARS RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	202813
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	437-291-27-00
Last HMMD Inspection:	04/23/2012
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Facility Owner:	NORDSTROM
Facility Address:	6997 FRIARS RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	202813
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO 2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	202813
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	FLAMM LIQUIDS - PERFUME WATE

NORDSTROM (Continued) **S104756338**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 202813
Update Date: 11/02/2012
Inspection Date: 03/24/2005
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Facility Id: 202813
Update Date: 11/02/2012
Inspection Date: 08/02/2007
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

Facility Id: 202813
Update Date: 11/02/2012
Inspection Date: 12/03/2003
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

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69 **NORDSTROM** **CA HAZNET** **S112991495**
6997 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112991495
Year: 2011
GEPAID: CAC002673443
Contact: JENNIFER FRENCH LEVY
Telephone: 7146482506
Mailing Name: Not reported
Mailing Address: PO BOX 91000
Mailing City,St,Zip: SEATTLE, WA 981119100
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.125
Facility County: San Diego

69 **NORDSTROM** **CA HAZNET** **S112977776**
6997 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112977776
Year:	2009
GEPAID:	CAC002642158
Contact:	JAIME HERNANDEZ, EXT 1880
Telephone:	6192954441
Mailing Name:	Not reported
Mailing Address:	6997 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 921081100
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25
Facility County:	San Diego

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69 **MACY'S WEST 059A** **CA HAZNET** **S113101883**
7017 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113101883
Year:	2013
GEPAID:	CAL000195590
Contact:	Monica Ng
Telephone:	7326315578
Mailing Name:	Not reported
Mailing Address:	755 ROUTE 18 SOUTH
Mailing City,St,Zip:	EAST BRUNSWICK, NJ 088160000
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.711
Facility County:	Not reported

envid:	S113101883
Year:	2013
GEPAID:	CAL000195590
Contact:	Monica Ng
Telephone:	7326315578
Mailing Name:	Not reported
Mailing Address:	755 ROUTE 18 SOUTH
Mailing City,St,Zip:	EAST BRUNSWICK, NJ 088160000
Gen County:	San Diego
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.75
Facility County:	Not reported

envid: S113101883

MACY'S WEST 059A (Continued) **S113101883**

Year:	2013
GEPAID:	CAL000195590
Contact:	Monica Ng
Telephone:	7326315578
Mailing Name:	Not reported
Mailing Address:	755 ROUTE 18 SOUTH
Mailing City,St,Zip:	EAST BRUNSWICK, NJ 088160000
Gen County:	San Diego
TSD EPA ID:	TXD055141378
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.78
Facility County:	Not reported

envid:	S113101883
Year:	2012
GEPAID:	CAL000195590
Contact:	KEVIN BANAHAN
Telephone:	6464294147
Mailing Name:	Not reported
Mailing Address:	755 ROUTE 18 SOUTH
Mailing City,St,Zip:	EAST BRUNSWICK, NJ 088160000
Gen County:	San Diego
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.525
Facility County:	San Diego

envid:	S113101883
Year:	2012
GEPAID:	CAL000195590
Contact:	KEVIN BANAHAN
Telephone:	6464294147
Mailing Name:	Not reported
Mailing Address:	755 ROUTE 18 SOUTH
Mailing City,St,Zip:	EAST BRUNSWICK, NJ 088160000
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
48 additional CA_HAZNET: record(s) in the EDR Site Report.

69 **MACY'S #544** **CA San Diego Co. HMMD** **S105091784**
7017 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	210910
Business Type:	6HK70
EPA Id Number:	CAL000195590
APN:	437-291-31-00
Last HMMD Inspection:	06/20/2011
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	MACY'S WEST STORES, INC
Facility Address:	7 W 07TH ST
Facility City:	CINCINNATI
Facility State:	OH
Facility Zip:	45202
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	210910
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	COSMETICS/ACETONE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	210910
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	FROM EGT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	210910
Update Date:	11/02/2012
Case Number:	7664-38-2
Name:	PHOSPHORIC ACID
Other Information:	PHOSPHORIC ACID/WATER (FOR WATER TREATMENT)
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Facility Id:	210910
Update Date:	11/02/2012
Case Number:	75-69-4
Name:	TRICHLOROFLUOROMETHANE
Other Information:	R-11
Material Waste:	Material
Hazardous Categories 1:	ACUTE

MACY'S #544 (Continued) **S105091784**

Hazardous Categories 2: CHRONIC

Facility Id: 210910
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: FROM CHILLER AND EGT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210910
Update Date: 11/02/2012
Case Number: MIXTURE
Name: LATEX PAINT
Other Information: WATER-BASED PAINT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 210910
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: FROM EGT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

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69 **NEIUMAN MARCUS** **CA HAZNET** **S112889217**
7027 FRIARS **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112889217
Year: 1998
GEPAID: CAC001411368
Contact: NEIUMAN MARCUS
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1201 ELM ST#2950
Mailing City,St,Zip: DALLAS, TX 752700000
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: .3118
Facility County: San Diego

70 **NEXUS DEVELOPMENT** **CA SWEEPS UST** **S106929896**
1011 S CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	21359
Number:	9
Board Of Equalization:	44-023546
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021359-000001
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	1

---

70 **CA CHMIRS** **S107448292**
1065 CAMINO DEL RIO S. **N/A**
SAN DIEGO, CA 92116

CHMIRS:

OES Incident Number:	04-4935
OES notification:	09/23/2004
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported

(Continued) **S107448292**

Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	City of San Diego
Incident Date:	9/23/200412:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage
Gallons:	315
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	90 Gals was released and not recovered from a Denny's Lateral

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70 **ARCO PRODUCTS COMPANY** **CA HAZNET** **S113027401**
915 CAMINO DEL RIO ST **N/A**
SAN DIEGO, CA 92110

HAZNET:

envid:	S113027401
Year:	1999
GEPAID:	CAL000016419
Contact:	ATLANTIC RICHFIELD CORP
Telephone:	7146705366
Mailing Name:	Not reported
Mailing Address:	PO BOX 6038
Mailing City,St,Zip:	ARTESIA, CA 907026038
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Recycler
Tons:	.3753
Facility County:	San Diego

envid:	S113027401
Year:	1998

ARCO PRODUCTS COMPANY (Continued) **S113027401**

GEPAID: CAL000016419
Contact: ATLANTIC RICHFIELD CORP
Telephone: 7146705366
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .3419
Facility County: San Diego

envid: S113027401
Year: 1997
GEPAID: CAL000016419
Contact: ATLANTIC RICHFIELD CORP
Telephone: 7146705366
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 1.8348
Facility County: San Diego

envid: S113027401
Year: 1995
GEPAID: CAL000016419
Contact: ATLANTIC RICHFIELD CORP
Telephone: 7146705366
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: .3336
Facility County: San Diego

envid: S113027401
Year: 1994
GEPAID: CAL000016419
Contact: ATLANTIC RICHFIELD CORP
Telephone: 7146705366
Mailing Name: Not reported
Mailing Address: PO BOX 6038
Mailing City,St,Zip: ARTESIA, CA 907026038
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported

ARCO PRODUCTS COMPANY (Continued) **S113027401**

Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: .2710
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **BP WEST COAST PRODUCTS LLC 03037** **CA HAZNET** **S113113843**
915 S CAMINO DEL RIO ST **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S113113843
Year: 2013
GEPAID: CAL000225453
Contact: Jackie Dougherty
Telephone: 9494605200
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0126
Facility County: Not reported

envid: S113113843
Year: 2012
GEPAID: CAL000225453
Contact: JACKIE DOUGHERTY
Telephone: 9497354632
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.126
Facility County: San Diego

envid: S113113843
Year: 2011
GEPAID: CAL000225453
Contact: WASTE SPECIALIST
Telephone: 5035246191
Mailing Name: Not reported
Mailing Address: PO BOX 80249
Mailing City,St,Zip: RCHO STA MARG, CA 926880000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported

BP WEST COAST PRODUCTS LLC 03037 (Continued) **S113113843**

Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.231
Facility County:	San Diego

envid:	S113113843
Year:	2010
GEPAID:	CAL000225453
Contact:	JACKIE DOUGHERTY
Telephone:	9497354632
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.042
Facility County:	San Diego

envid:	S113113843
Year:	2009
GEPAID:	CAL000225453
Contact:	Waste Specialist
Telephone:	5035246191
Mailing Name:	Not reported
Mailing Address:	PO BOX 80249
Mailing City,St,Zip:	RCHO STA MARG, CA 926880000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.428
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
10 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **ATLANTIC RICHFIELD** **CA HIST CORTESE** **S104746110**
915 CAMINO DEL RIO **N/A**
SAN DEIGO, CA

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1098

70 **MCBRIDE'S MISSION VALLEY ARCO** **CA UST** **U003984213**
915 CAMINO DEL RIO S # 3037 **N/A**
SAN DIEGO, CA 92108

UST:
Facility ID: H05125
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.76427
Longitude: -117.15621

---

70 **ARCO FACILITY #3037** **CA HIST UST** **U001572843**
915 CAMINO DEL RIO **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

HIST UST:
Region: STATE
Facility ID: 00000026721
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 0000000000
Owner Name: ARCO PETROLEUM PRODUCTS CO.
Owner Address: 515 SOUTH FLOWER STREET
Owner City,St,Zip: LOS ANGELES, CA 90071
Total Tanks: 0005

Tank Num: 001
Container Num: 0000000001
Year Installed: 1969
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 0000000002
Year Installed: 1969
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 0000000003
Year Installed: 1969
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 0000000004
Year Installed: 1973
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 0000240

ARCO FACILITY #3037 (Continued) **U001572843**

Leak Detection: Stock Inventor, 10

Tank Num: 005
Container Num: 0000000005
Year Installed: 1969
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: 0000093
Leak Detection: Stock Inventor

SAN DIEGO CO. HMMD:
Facility Id: 105125
Business Type: 6HK28
EPA Id Number: CAL000225453
APN: 438-060-20-00
Last HMMD Inspection: 02/15/2012
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: BP WEST COAST PRODUCTS LLC
Facility Address: P O BOX 6038
Facility City: ARTESIA
Facility State: CA
Facility Zip: 90702-
UST Owner: BP WEST COAST PRODUCTS LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 105125 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 105125
Tank Type: SINGLE WALL
Additional Id: 0000000001
Capacity Gallons: 6000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: Not reported
Year Installed: 1969-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 105125 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 105125
Tank Type: SINGLE WALL
Additional Id: 0000000002
Capacity Gallons: 6000
UST Contents: REGULAR UNLEADED

ARCO FACILITY #3037 (Continued) **U001572843**

Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1969-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105125 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	105125
Tank Type:	SINGLE WALL
Additional Id:	0000000003
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1969-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105125 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	105125
Tank Type:	SINGLE WALL
Additional Id:	0000000004
Capacity Gallons:	6000
UST Contents:	AVIATION FUEL
Other Content Info:	AVIATION FUEL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 105125 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	105125
Tank Type:	SINGLE WALL
Additional Id:	VERIFY AT
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1969-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	GRAVITY

ARCO FACILITY #3037 (Continued) **U001572843**

Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 105125 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	105125
Tank Type:	DOUBLE WALL
Additional Id:	00006 RT1968/RT3327, RT4766, RT5680
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 105125 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	105125
Tank Type:	DOUBLE WALL
Additional Id:	00007 RT1968/RT3327, RT4766, RT5051, RT5680
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 105125 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	105125
Tank Type:	DOUBLE WALL
Additional Id:	00008 RT1968/RT3327, RT4766, RT5680
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

Active Permits:

Facility Id:	105125

ARCO FACILITY #3037 (Continued) **U001572843**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105125 T006
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	105125
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	105125
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 105125 T007
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	105125
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	DISPENSER FILTERS & USED ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	105125
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 105125 T008 PREMIUM UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	105125
Update Date:	11/02/2012
Inspection Date:	03/19/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

70 **A S INVESTMENTS LTD** **CA HAZNET** **S113122100**
915 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113122100
Year:	2012
GEPAID:	CAL000259204
Contact:	ADIL JOJOU/PRES
Telephone:	6192911945
Mailing Name:	Not reported
Mailing Address:	915 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	San Diego
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02085
Facility County:	San Diego

envid:	S113122100
Year:	2007
GEPAID:	CAL000259204
Contact:	ADIL JOJOU/PRES
Telephone:	6192911945
Mailing Name:	Not reported
Mailing Address:	915 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02
Facility County:	San Diego

envid:	S113122100
Year:	2006
GEPAID:	CAL000259204
Contact:	ADIL JOJOU/PRES
Telephone:	6192911945
Mailing Name:	Not reported
Mailing Address:	915 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0
Facility County:	San Diego

envid:	S113122100
Year:	2005
GEPAID:	CAL000259204

A S INVESTMENTS LTD (Continued) **S113122100**

Contact:	ADIL JOJOU/PRES
Telephone:	6192911945
Mailing Name:	Not reported
Mailing Address:	915 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.03
Facility County:	San Diego

---

70 **ARCO #03037 A S INVESTMENT LIMITED CORP** **CA LUST** **S101308186**
915 CAMINO DEL RIO S **CA SLIC** **N/A**
SAN DIEGO, CA 92108 **CA SWEEPS UST**
CA HAZNET
CA EMI
CA SAN DIEGO CO. SAM

LUST:

Region:	STATE
Global Id:	T0607300106
Latitude:	32.764121803
Longitude:	-117.155337876
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/21/2006
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1098
LOC Case Number:	H05125-002
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300106
Status:	Completed - Case Closed
Status Date:	08/21/2006

Global Id:	T0607300106
Status:	Open - Case Begin Date
Status Date:	10/05/1988

Regulatory Activities:

Global Id:	T0607300106
Action Type:	Other
Date:	10/05/1988
Action:	Leak Began

Global Id:	T0607300106
Action Type:	Other
Date:	10/05/1988

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

Action: Leak Discovery

Global Id: T0607300106
Action Type: Other
Date: 11/30/1988
Action: Leak Stopped

Global Id: T0607300106
Action Type: ENFORCEMENT
Date: 12/02/1988
Action: Notice of Responsibility

Global Id: T0607300106
Action Type: Other
Date: 10/05/1988
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT1098
Local Case: H05125-002
Substance: Gasoline
Qty Leaked: 0
Abate Method: Vapor Extraction
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 11/30/1988
Date Stopped: 11/30/1988
Confirm Date: 11/30/1988
Submit Workplan: Not reported
Prelim Assess: 08/02/1993
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 3/10/89
Began Monitor: Not reported
Release Date: 12/01/1988
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	06/05/1990
Global Id:	T0608195597
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H05125-001
Latitude:	32.764096
Longitude:	-117.155295
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:

Status:	Active
Comp Number:	5125
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005125-000006
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	5125
Number:	9
Board Of Equalization:	44-000506
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-005125-000007
Tank Status:	A
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status: Active

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

Comp Number: 5125
Number: 9
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005125-000008
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 5125
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005125-000001
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 5

Status: Not reported
Comp Number: 5125
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005125-000002
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 5125
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005125-000003
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 5125
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005125-000004
Tank Status: Not reported
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: AVIA. GAS
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 5125
Number: Not reported
Board Of Equalization: 44-000506
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-005125-000005
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

HAZNET:
envid: S101308186
Year: 2013
GEPAID: CAL000385591
Contact: ROSIE RANGEL
Telephone: 2106266564
Mailing Name: Not reported
Mailing Address: 19100 RIDGEWOOD PKWY
Mailing City,St,Zip: SAN ANTONIO, TX 782590000
Gen County: San Diego
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.025
Facility County: Not reported

envid: S101308186
Year: 2013
GEPAID: CAL000385591
Contact: ROSIE RANGEL
Telephone: 2106266564
Mailing Name: Not reported
Mailing Address: 19100 RIDGEWOOD PKWY
Mailing City,St,Zip: SAN ANTONIO, TX 782590000
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.021
Facility County: Not reported

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.5426292
Reactive Organic Gases Tons/Yr:	1.5426292
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.5426292
Reactive Organic Gases Tons/Yr:	1.5426292
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.57
Reactive Organic Gases Tons/Yr:	1.57
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.57
Reactive Organic Gases Tons/Yr:	1.57
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.57
Reactive Organic Gases Tons/Yr:	1.57
Carbon Monoxide Emissions Tons/Yr:	0

ARCO #03037 A S INVESTMENT LIMITED CORP (Continued) **S101308186**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.5700000000000001
Reactive Organic Gases Tons/Yr:	1.5700000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	3780
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.5700000000000001
Reactive Organic Gases Tons/Yr:	1.5700000000000001
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H05125-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	6/5/1990
Date Began:	8/10/1987

Case Number:	H05125-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	8/21/2006
Date Began:	10/5/1988

70 **MC BRIDE S TWENTY FOUR HOUR TOWING** **EDR US Hist Auto Stat** **1008998526**
915 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	ME BRIDE S TWENTY FOUR HOUR TOWING
Year:	1975
Type:	AUTOMOBILE REPAIRING
Name:	ME BRIDE S MISSION VALLEY ARCO SERVICE
Year:	1975
Type:	GASOLINE STATIONS
Name:	ME BRIDE S MISSION VALLEY ARCO SERVICE
Year:	1980
Type:	GASOLINE STATIONS
Name:	ME BRIDE S TWENTY FOUR HOUR TOWING
Year:	1980
Type:	A T S AUTOMATIC
Name:	ME BRIDE S MISSION VALLEY AREO SERVICE
Year:	1984
Type:	GASOLINE STATIONS
Name:	MC BRIDE S TWENTY FOUR HOUR TOWING
Year:	1984
Type:	A T S AUTOMATIC
Name:	MISSION VALLEY ARCO AM PM
Year:	2003
Address:	915 CAMINO DEL RIO S
Name:	ARCO
Year:	2010
Address:	915 CAMINO DEL RIO S

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70 **ARCO #03037 A S INVESTMENT LIMITED CORP** **FINDS** **1008234717**
915 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110021282743

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

70 **PLANNED PARENTHOOD SDRC** **CA San Diego Co. HMMD** **S106063885**
1075 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	210961
Business Type:	6HK58
EPA Id Number:	Not reported
APN:	438-070-12-00
Last HMMD Inspection:	03/24/2011
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Facility Owner:	PLANNED PARENTHOOD SDRC
Facility Address:	1075 CAMINO DEL RIO S
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	210961
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	210961
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	133467
Business Type:	6HK18
EPA Id Number:	CAL000096098
APN:	DEH-133467
Last HMMD Inspection:	03/11/1998
Permit Status:	INAC
Permit Expiration:	03/11/1998
Facility Owner:	ROBERT A. M PHERSON
Facility Address:	1075 CAMINO DEL RIO S #125
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported

PLANNED PARENTHOOD SDRC (Continued) **S106063885**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 210961
Business Type: 6HK58
EPA Id Number: Not reported
APN: 438-070-12-00
Last HMMD Inspection: 03/24/2011
Permit Status: OPEN
Permit Expiration: 10/31/2013
Facility Owner: PLANNED PARENTHOOD SDRC
Facility Address: 1075 CAMINO DEL RIO S
Facility City: San Diego
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Active Permits:
Facility Id: 210961
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 210961
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

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70 **MISSION VALLEY MEDICAL CLINIC** **CA San Diego Co. HMMD** **S106067356**
1075 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 151876
Business Type: 6HK10
EPA Id Number: CAL000084306
APN: 438-070-12-00
Last HMMD Inspection: 10/14/1998
Permit Status: INAC
Permit Expiration: 07/31/2000
Facility Owner: LAWRENCE S POHL MD

MISSION VALLEY MEDICAL CLINIC (Continued) **S106067356**

Facility Address:	1075 CAMINO DEL RIO S #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3538
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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70 **PLANNED PARENTHOOD** **CA HAZNET** **S112951837**
1075 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112951837
Year:	2009
GEPAID:	CAC002601022
Contact:	MARK BEAUDET
Telephone:	6198213999
Mailing Name:	Not reported
Mailing Address:	1075 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083538
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.025
Facility County:	San Diego

envid:	S112951837
Year:	2009
GEPAID:	CAC002601022
Contact:	MARK BEAUDET
Telephone:	6198213999
Mailing Name:	Not reported
Mailing Address:	1075 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083538
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.03
Facility County:	San Diego

70 **PLANNED PARENTHOOD** **CA San Diego Co. HMMD** **S106068207**
1075 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153233
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-070-12-00
Last HMMD Inspection:	02/06/2001
Permit Status:	INAC
Permit Expiration:	09/30/2003
Facility Owner:	NON-PROFIT ORG
Facility Address:	1075 CAMINO DEL RIO S #200
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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70 **PAIN TREATMENT CENTER** **CA San Diego Co. HMMD** **S104757948**
1075 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	150652
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-070-12-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	01/31/2002
Facility Owner:	KENNETH E SHANDELL MD PC
Facility Address:	225 DICKINSON ST 8778
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-1910
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	203430
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-070-12-00
Last HMMD Inspection:	04/27/2004
Permit Status:	INAC
Permit Expiration:	08/31/2006
Facility Owner:	PLANNED PARENTHOOD OF SD & RIVERSIDE
Facility Address:	1075 CAMINO DEL RIO S #200
Facility City:	SAN DIEGO

PAIN TREATMENT CENTER (Continued) **S104757948**

Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	203430
Update Date:	11/02/2012
Inspection Date:	04/27/2004
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	Inactive Permit

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70 **PLANNED PARENTHOOD/SAN DIEGO/RIVERSIDE** **CA HAZNET** **S112948256**
1075 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112948256
Year:	2005
GEPAID:	CAC002594950
Contact:	MARK VEAUDET
Telephone:	6198814546
Mailing Name:	Not reported
Mailing Address:	1075 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Disposal, Land Fill
Tons:	26.96
Facility County:	San Diego

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70 **1X RESOLUTION TRUST CORP** **CA HAZNET** **S112851327**
1011 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112851327
Year:	1994
GEPAID:	CAC000900936
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	C/O AMERICAN RSDNTL MORTGAGE
Mailing City,St,Zip:	SAN DIEGO, CA 921865283
Gen County:	Not reported
TSD EPA ID:	CAT080013352

1X RESOLUTION TRUST CORP (Continued) **S112851327**

TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 1.0425
Facility County: San Diego

envid: S112851327
Year: 1994
GEPAID: CAC000900936
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: C/O AMERICAN RSDNTL MORTGAGE
Mailing City,St,Zip: SAN DIEGO, CA 921865283
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Treatment, Tank
Tons: .2085
Facility County: San Diego

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70 **NEXUS DEVELOPMENT** **CA San Diego Co. HMMD** **S106061855**
1011 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 121359
Business Type: 6HK70
EPA Id Number: Not reported
APN: DEH-121359
Last HMMD Inspection: 03/24/1993
Permit Status: INAC
Permit Expiration: 05/16/1994
Facility Owner: NEXUS DEVELOPMENT
Facility Address: 6333 GREENWICH DR #110
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92122-
UST Owner: NEXUS DEVELOPMENT
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 121359 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121359
Tank Type: DOUBLE WALL
Additional Id: 1
Capacity Gallons: 1000
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-07-06 00:00:00

NEXUS DEVELOPMENT (Continued) **S106061855**

Year Installed:	1985-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	25
UST Monitor Method:	EXTERNAL MONITOR : CONTINUOUS VADOSE ZONE VAPOR MONITORS AND / OR WEEKLY (MINIMUM) VADOSE ZONE LIQUID MONITORING

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70 **GTE MOBILENET** **CA San Diego Co. HMMD** **S106064494**
1011 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135191
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-135191
Last HMMD Inspection:	07/31/1998
Permit Status:	INAC
Permit Expiration:	07/31/1998
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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70 **HILTON MISSION VALLEY HOTEL** **CA HAZNET** **S112972035**
901 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112972035
Year:	2008
GEPAID:	CAC002633162
Contact:	RALPH RODRIQUEZ
Telephone:	7142540534
Mailing Name:	Not reported
Mailing Address:	17221 E 17TH ST STE K
Mailing City,St,Zip:	SANTA ANA, CA 92705
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	32
Facility County:	San Diego

70 **SAN DIEGO MISSION VALLEY HILTON HOTEL** **CA HAZNET** **S113052841**
901 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113052841
Year:	2004
GEPAID:	CAL000080728
Contact:	DAVE PROST
Telephone:	6195439000
Mailing Name:	Not reported
Mailing Address:	901 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083515
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Transfer Station
Tons:	0.1
Facility County:	San Diego

envid:	S113052841
Year:	2003
GEPAID:	CAL000080728
Contact:	DAVE PROST
Telephone:	6195439000
Mailing Name:	Not reported
Mailing Address:	901 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083515
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Transfer Station
Tons:	0.2
Facility County:	San Diego

envid:	S113052841
Year:	2003
GEPAID:	CAL000080728
Contact:	DAVE PROST
Telephone:	6195439000
Mailing Name:	Not reported
Mailing Address:	901 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083515
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Transfer Station
Tons:	0.2
Facility County:	San Diego

envid:	S113052841
Year:	1995
GEPAID:	CAL000080728
Contact:	MULTIVENTURES INC
Telephone:	0000000000
Mailing Name:	Not reported

SAN DIEGO MISSION VALLEY HILTON HOTEL (Continued) **S113052841**

Mailing Address: 901 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083515
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Treatment, Tank
Tons: .0208
Facility County: San Diego

envid: S113052841
Year: 1995
GEPAID: CAL000080728
Contact: MULTIVENTURES INC
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 901 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083515
Gen County: Not reported
TSD EPA ID: CAT080011059
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: .3544
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
6 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **HEI MISSION VALLEY LLC** **CA HAZNET** **S112951396**
901 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112951396
Year: 2006
GEPAID: CAC002600293
Contact: EYVES PERUSSE
Telephone: 8582780024
Mailing Name: Not reported
Mailing Address: 901 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083515
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Alkaline solution without metals pH >= 12.5
Disposal Method: Disposal, Land Fill
Tons: 0.04
Facility County: San Diego

70 **HILTON SAN DIEGO MISSION VALLEY HOTEL** **CA HAZNET** **S113138889**
901 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113138889
Year:	2011
GEPAID:	CAL000298144
Contact:	REZA SHEMIRAN
Telephone:	6195439000
Mailing Name:	Not reported
Mailing Address:	901 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083515
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.042
Facility County:	San Diego

envid:	S113138889
Year:	2011
GEPAID:	CAL000298144
Contact:	REZA SHEMIRAN
Telephone:	6195439000
Mailing Name:	Not reported
Mailing Address:	901 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083515
Gen County:	Not reported
TSD EPA ID:	CAD982492399
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.063
Facility County:	San Diego

envid:	S113138889
Year:	2008
GEPAID:	CAL000298144
Contact:	REZA SHEMIRAN
Telephone:	6195439000
Mailing Name:	Not reported
Mailing Address:	901 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083515
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1815
Facility County:	San Diego

70 **HILTON HOTEL** **CA San Diego Co. HMMD** **S106062416**
901 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	126191
Business Type:	6HK41
EPA Id Number:	CAL000080728
APN:	438-060-48-00
Last HMMD Inspection:	12/09/2003
Permit Status:	INAC
Permit Expiration:	04/30/2006
Facility Owner:	MISSION VALLEY ASSOC
Facility Address:	901 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3515
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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70 **HILTON SAN DIEGO MISSION VALLEY** **CA San Diego Co. HMMD** **S109279349**
901 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	205630
Business Type:	6HK41
EPA Id Number:	CAL000298144
APN:	438-060-48-00
Last HMMD Inspection:	07/23/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	HEI MISSION VALLEY LLC
Facility Address:	901 CAMINO DEL RIO S
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Active Permits:

Facility Id:	205630
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO. 2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

HILTON SAN DIEGO MISSION VALLEY (Continued) **S109279349**

Facility Id:	205630
Update Date:	11/02/2012
Case Number:	7681-52-9
Name:	SODIUM HYPOCHLORITE, 13%
Other Information:	LIQUID CHLORINE BLEACH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	205630
Update Date:	11/02/2012
Inspection Date:	04/10/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

Facility Id:	205630
Update Date:	11/02/2012
Inspection Date:	10/14/2010
Violation Code:	6HV1016
Violation:	ER RESPONSE PLAN NOT ADEQUATE
Violation Citation:	Failure to have an adequate emergency response plan 25504 (b); 2731
Activity:	ACTIVE

Facility Id:	205630
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	205630
Business Type:	6HK41
EPA Id Number:	CAL000298144
APN:	438-060-48-00
Last HMMD Inspection:	07/23/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	HEI MISSION VALLEY LLC
Facility Address:	901 CAMINO DEL RIO S
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

HILTON SAN DIEGO MISSION VALLEY (Continued) **S109279349**

Active Permits:

Facility Id:	205630
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO. 2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	205630
Update Date:	11/02/2012
Case Number:	7681-52-9
Name:	SODIUM HYPOCHLORITE, 13%
Other Information:	LIQUID CHLORINE BLEACH
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	205630
Update Date:	11/02/2012
Inspection Date:	04/10/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

Facility Id:	205630
Update Date:	11/02/2012
Inspection Date:	10/14/2010
Violation Code:	6HV1016
Violation:	ER RESPONSE PLAN NOT ADEQUATE
Violation Citation:	Failure to have an adequate emergency response plan 25504 (b); 2731
Activity:	ACTIVE

Facility Id:	205630
Update Date:	11/02/2012
Inspection Date:	07/28/2005
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

70 | **ERNS** | **2002631588** | **N/A**

911 CAMINO DEL RIO SOUTH
SAN DIEGO, CA 0

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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70 | **CA CHMIRS** | **S105887415** | **N/A**

911 CAMINO DEL RIO SOUTH
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	02-6726
OES notification:	12/12/2002
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Storm Drain
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	NRC
Incident Date:	12/12/200212:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported

(Continued) **S105887415**

Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	transformer oil
Gallons:	7
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per NRC;THE CALLER REPORTS A RELEASE OF MATERIAL DUE TO A HIT AND RUN ACCIDENT INVOLVING A PADMOUNTED TRANSFORMER. All oil was pumped out of the storm drain and the soiled dirt removed.

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70 **OB-GYN CONSULTANTS** **CA San Diego Co. HMMD** **S106066556**
1095 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	150742
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-070-21-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	01/31/2002
Facility Owner:	WILLIAM SWARTZ MD
Facility Address:	1095 CAMINO DEL RIO SOUTH 310
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3516
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

70 **EDR US Hist Auto Stat** **1015526393**
5030 CAMINO DE LA SIESTA **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: BOB BKR AUTO GROUP BETTERWAY LEASE & AUTO BUYING SE
Year: 1999
Address: 5030 CAMINO DE LA SIESTA

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70 **JIAN MIN FAN LAC** **CA San Diego Co. HMMD** **S106065109**
5030 CAMINO DE LA SIESTA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 206058
Business Type: 6HK18
EPA Id Number: Not reported
APN: 438-020-33-00
Last HMMD Inspection: 12/22/2011
Permit Status: OPEN
Permit Expiration: 04/30/2013
Facility Owner: AT&T MOBILITY
Facility Address: PO BOX 5095, RM 3E0000
Facility City: San Ramon
Facility State: CA
Facility Zip: 94583
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 206058
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID, H2SO4, 37%: LEAD ACID BATTERY ELECTROLYTE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 213857
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-020-33-00
Last HMMD Inspection: 03/18/2011
Permit Status: OPEN
Permit Expiration: 06/30/2013
Facility Owner: STEPHEN A CENTER MD
Facility Address: 5030 CAMINO DE LA SIESTA #209
Facility City: San Diego
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported

JIAN MIN FAN LAC (Continued) **S106065109**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 213857
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG - INFREQUENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 213857
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 136972
Business Type: 6HK18
EPA Id Number: Not reported
APN: 438-020-33-00
Last HMMD Inspection: 07/16/2001
Permit Status: CHNG
Permit Expiration: 09/30/2006
Facility Owner: AT&T WIRELESS
Facility Address: 8645 154TH AVE NE
Facility City: REDMOND
Facility State: WA
Facility Zip: 98052
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 205550
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-020-33-00
Last HMMD Inspection: 05/15/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: JIAN MIN FAN LAC
Facility Address: 5030 CAMINO DE LA SIESTA #408
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported

JIAN MIN FAN LAC (Continued) **S106065109**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 205550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: ACUPUNCTURE NEEDLES/MAIL AWAY SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 205550
Update Date: 11/02/2012
Inspection Date: 07/07/2005
Violation Code: 6HV4201
Violation: NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation: A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity: ACTIVE

Facility Id: 205059
Business Type: 6HK10
EPA Id Number: Not reported
APN: 438-020-33-00
Last HMMD Inspection: 06/06/2011
Permit Status: INAC
Permit Expiration: 09/30/2012
Facility Owner: ROBIN C WEDBERG MD
Facility Address: 5030 CAMINO DE LA SIESTA #106
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Click this hyperlink while viewing on your computer to access
3 additional CA_HMMD: record(s) in the EDR Site Report.

70 **CALL DOCTOR MEDICAL GROUP** **CA San Diego Co. HMMD** **S106069084**
5030 CAMINO DE LA SIESTA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	202491
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-020-33-00
Last HMMD Inspection:	02/23/2010
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	C. GRESHAM BAYNE, MD
Facility Address:	5030 CAMINO DE LA SIESTA # 208
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Inactive Permits:

Facility Id:	202491
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	SHARPS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	202491
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	202491
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	202491
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV4260
Violation:	TRANSPORT: NO LQHE/REGISTRATION

CALL DOCTOR MEDICAL GROUP (Continued) **S106069084**

Violation Citation:	Transportation of medical waste without State Hauler Registration or without a limited-quantity hauling exemption from County HMMD. 118025
Activity:	ACTIVE
Facility Id:	202491
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV4312
Violation:	LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation:	Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity:	ACTIVE
Facility Id:	202491
Update Date:	11/02/2012
Inspection Date:	09/24/2003
Violation Code:	6HV4305
Violation:	LQHE NOT RENEWED FOR MEDWASTE
Violation Citation:	Did not renew a limited-quantity hauling exemption annually as required. 118030(b)
Activity:	ACTIVE
Facility Id:	202491
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	202491
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV4311
Violation:	MW TRACK DOCS NOT IN VEHICLE TRANSPORTIN
Violation Citation:	Medical Waste tracking documents/logs not in vehicle transporting medical waste. 118040(c)
Activity:	ACTIVE
Facility Id:	202491
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-020-33-00
Last HMMD Inspection:	02/23/2010
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	C. GRESHAM BAYNE, MD
Facility Address:	5030 CAMINO DE LA SIESTA # 208
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

CALL DOCTOR MEDICAL GROUP (Continued) **S106069084**

Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 202491
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 202491
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 202491
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 202491
Update Date: 11/02/2012
Inspection Date: 02/06/2007
Violation Code: 6HV4260
Violation: TRANSPORT: NO LQHE/REGISTRATION
Violation Citation: Transportation of medical waste without State Hauler Registration or without a limited-quantity hauling exemption from County HMMD. 118025
Activity: ACTIVE

Facility Id: 202491
Update Date: 11/02/2012
Inspection Date: 02/06/2007
Violation Code: 6HV4312
Violation: LQHETRACK DOCS NOT KEPT 3 YRS.
Violation Citation: Medical Waste tracking documents/logs not maintained for 3 years for Limited Quantity Hauling Exemption(LQHE). 118040(a)
Activity: ACTIVE

Facility Id: 202491
Update Date: 11/02/2012
Inspection Date: 09/24/2003
Violation Code: 6HV4305
Violation: LQHE NOT RENEWED FOR MEDWASTE
Violation Citation: Did not renew a limited-quantity hauling exemption annually as

CALL DOCTOR MEDICAL GROUP (Continued) **S106069084**

	required. 118030(b)
Activity:	ACTIVE
Facility Id:	202491
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	202491
Update Date:	11/02/2012
Inspection Date:	02/06/2007
Violation Code:	6HV4311
Violation:	MW TRACK DOCS NOT IN VEHICLE TRANSPORTIN
Violation Citation:	Medical Waste tracking documents/logs not in vehicle transporting medical waste. 118040(c)
Activity:	ACTIVE
Facility Id:	154464
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-020-33-00
Last HMMD Inspection:	09/24/2003
Permit Status:	INAC
Permit Expiration:	06/30/2004
Facility Owner:	MOBILE MEDICAL GROUP INC
Facility Address:	5030 CAMINO DE LA SIESTA #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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70 **STEPHEN A CENTER INC DBA BODY LOGIC MD OF SAN DIEGO** **CA HAZNET** **S113771015**
5030 CAMINO DE LA SIESTA STE 290 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113771015
Year:	2012
GEPAID:	CAC002682812
Contact:	CAROL CENTER
Telephone:	6198952442
Mailing Name:	Not reported
Mailing Address:	5030 CAMINO DE LA SIESTA STE 290
Mailing City,St,Zip:	SAN DIEGO, CA 921083118
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99

STEPHEN A CENTER INC DBA BODY LOGIC MD OF SAN DIEGO (Continued) **S113771015**

Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.025
Facility County:	San Diego
envid:	S113771015
Year:	2012
GEPAID:	CAC002682812
Contact:	CAROL CENTER
Telephone:	6198952442
Mailing Name:	Not reported
Mailing Address:	5030 CAMINO DE LA SIESTA STE 290
Mailing City,St,Zip:	SAN DIEGO, CA 921083118
Gen County:	San Diego
TSD EPA ID:	CAD983649880
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.01
Facility County:	San Diego

---

70 **YVONNE NEGRON LAC** **CA San Diego Co. HMMD** **S106069109**
5030 CAMINO DE LA SIESTA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154501
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-020-33-00
Last HMMD Inspection:	08/31/2004
Permit Status:	INAC
Permit Expiration:	11/30/2004
Facility Owner:	YVONNE NEGRON LAC
Facility Address:	5030 CAMINO DE LA SIESTA #408
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

70 **TOWNSEND LINCOLN MERCURY** **CA LUST** **S100726792**
588 CAMINO DEL RIO N **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108 **CA AST**
CA EMI
CA SAN DIEGO CO. SAM

LUST:

Region:	STATE
Global Id:	T0607302887
Latitude:	32.76545
Longitude:	-117.1603919
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/16/1992
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT600
LOC Case Number:	H04863-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302887
Status:	Open - Case Begin Date
Status Date:	12/08/1986

Global Id:	T0607302887
Status:	Completed - Case Closed
Status Date:	06/16/1992

Regulatory Activities:

Global Id:	T0607302887
Action Type:	Other
Date:	12/08/1986
Action:	Leak Began

Global Id:	T0607302887
Action Type:	Other
Date:	12/08/1986
Action:	Leak Discovery

Global Id:	T0607302887
Action Type:	ENFORCEMENT
Date:	12/08/1986
Action:	Notice of Responsibility

Global Id:	T0607302887
Action Type:	Other
Date:	12/08/1986
Action:	Leak Stopped

Global Id:	T0607302887
Action Type:	Other
Date:	12/08/1986

TOWNSEND LINCOLN MERCURY (Continued) **S100726792**

Action:	Leak Reported
Region:	STATE
Global Id:	T0607300948
Latitude:	32.764678
Longitude:	-117.159271
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/16/1992
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2178
LOC Case Number:	H04863-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300948
Status:	Open - Case Begin Date
Status Date:	01/10/1992
Global Id:	T0607300948
Status:	Completed - Case Closed
Status Date:	06/16/1992

Regulatory Activities:

Global Id:	T0607300948
Action Type:	Other
Date:	01/10/1992
Action:	Leak Began
Global Id:	T0607300948
Action Type:	Other
Date:	01/10/1992
Action:	Leak Discovery
Global Id:	T0607300948
Action Type:	Other
Date:	01/10/1992
Action:	Leak Stopped
Global Id:	T0607300948
Action Type:	ENFORCEMENT
Date:	02/06/1992
Action:	Notice of Responsibility
Global Id:	T0607300948
Action Type:	Other
Date:	01/21/1992
Action:	Leak Reported

TOWNSEND LINCOLN MERCURY (Continued) **S100726792**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2178
Local Case:	H04863-002
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	01/10/1992
Date Stopped:	01/10/1992
Confirm Date:	01/21/1992
Submit Workplan:	2/6/92
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/10/1992
Enforce Date:	Not reported
Closed Date:	6/16/92
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

Region:	9
Status:	Case Closed
Case Number:	9UT600
Local Case:	H04863-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	12/02/1986
Date Stopped:	12/08/1986

TOWNSEND LINCOLN MERCURY (Continued) **S100726792**

Confirm Date: 12/08/1986
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 4/3/87
Began Monitor: Not reported
Release Date: 12/08/1986
Enforce Date: 12/8/86
Closed Date: 6/9/92
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: ~13
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 4863
Number: 9
Board Of Equalization: 44-022119
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004863-000002
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

Status: Not reported
Comp Number: 4863
Number: Not reported
Board Of Equalization: 44-022119
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004863-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 2

TOWNSEND LINCOLN MERCURY (Continued) **S100726792**

Status:	Not reported
Comp Number:	4863
Number:	Not reported
Board Of Equalization:	44-022119
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004863-000003
Tank Status:	Not reported
Capacity:	300
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

AST:

Certified Unified Program Agencies:	San Diego
Owner:	FRN OF SAN DIEGO LLC
Total Gallons:	2900

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

TOWNSEND LINCOLN MERCURY (Continued) **S100726792**

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532

TOWNSEND LINCOLN MERCURY (Continued) **S100726792**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.944780652
Reactive Organic Gases Tons/Yr:	0.87138
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.944780652
Reactive Organic Gases Tons/Yr:	.87138
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	3400
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.944780652
Reactive Organic Gases Tons/Yr:	.87138
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H04863-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	6/16/1992
Date Began:	12/8/1986

Case Number:	H04863-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**

TOWNSEND LINCOLN MERCURY (Continued) **S100726792**

Facility Type: Soils Only
Facility Status: Closed Case
Date: 6/16/1992
Date Began: 1/10/1992

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70 **WITT LINCOLN MERCURY** **RCRA-SQG** **1000379889**
588 CAMINO DEL RIO N **CA HAZNET** **CAD029140555**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 11/27/2001
Facility name: WITT LINCOLN MERCURY
Facility address: 588 CAMINO DEL RIO N
SAN DIEGO, CA 921083299
EPA ID: CAD029140555
Contact: WALT HAYS
Contact address: 588 CAMINO DEL RIO N
SAN DIEGO, CA 921083299
Contact country: US
Contact telephone: (619) 358-5000
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EDWARD WITT
Owner/operator address: 588 CAMINO DEL RIO N
SAN DIEGO, CA 92108
Owner/operator country: Not reported
Owner/operator telephone: (619) 358-5000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

WITT LINCOLN MERCURY (Continued) **1000379889**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

HAZNET:

envid:	1000379889
Year:	2013
GEPAID:	CAD029140555
Contact:	SCOTT WITT
Telephone:	6193585000
Mailing Name:	Not reported
Mailing Address:	588 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083206
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.018
Facility County:	Not reported

envid:	1000379889
Year:	2011
GEPAID:	CAD029140555
Contact:	SCOTT WITT
Telephone:	6193585000
Mailing Name:	Not reported
Mailing Address:	588 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083206
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported

WITT LINCOLN MERCURY (Continued) **1000379889**

Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.176
Facility County:	San Diego

envid:	1000379889
Year:	2011
GEPAID:	CAD029140555
Contact:	SCOTT WITT
Telephone:	6193585000
Mailing Name:	Not reported
Mailing Address:	588 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083206
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.198
Facility County:	San Diego

envid:	1000379889
Year:	2011
GEPAID:	CAD029140555
Contact:	SCOTT WITT
Telephone:	6193585000
Mailing Name:	Not reported
Mailing Address:	588 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083206
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.198
Facility County:	San Diego

envid:	1000379889
Year:	2011
GEPAID:	CAD029140555
Contact:	SCOTT WITT
Telephone:	6193585000
Mailing Name:	Not reported
Mailing Address:	588 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083206
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Latex waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1251
Facility County:	San Diego

WITT LINCOLN MERCURY (Continued) **1000379889**

Click this hyperlink while viewing on your computer to access
100 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **TOWNSEND LINCOLN MERCURY** **CA HIST CORTESE** **S103547186**
588 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT600

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2178

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70 **SAN DIEGO AUTO AUCTION / LINCO** **FINDS** **1016305230**
588 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110013825628

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

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70 **WITT LINCOLN MERCURY** **CA HAZNET** **S113101040**
588 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113101040
Year:	2013
GEPAID:	CAL000194265
Contact:	CAROL HEWITT SEC/TREAS
Telephone:	6193585004
Mailing Name:	Not reported
Mailing Address:	588 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083206
Gen County:	San Diego
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

WITT LINCOLN MERCURY (Continued) **S113101040**

(H010-H129) Or (H131-H135)
Tons: 0.1
Facility County: Not reported

envid: S113101040
Year: 2013
GEPAID: CAL000194265
Contact: CAROL HEWITT SEC/TREAS
Telephone: 6193585004
Mailing Name: Not reported
Mailing Address: 588 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921083206
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.2085
Facility County: Not reported

envid: S113101040
Year: 2012
GEPAID: CAL000194265
Contact: CAROL HEWITT SEC/TREAS
Telephone: 6193585004
Mailing Name: Not reported
Mailing Address: 588 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921083206
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1251
Facility County: San Diego

envid: S113101040
Year: 2012
GEPAID: CAL000194265
Contact: CAROL HEWITT SEC/TREAS
Telephone: 6193585004
Mailing Name: Not reported
Mailing Address: 588 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921083206
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.1251
Facility County: San Diego

envid: S113101040
Year: 2011
GEPAID: CAL000194265
Contact: CAROL HEWITT SEC/TREAS
Telephone: 6193585004

WITT LINCOLN MERCURY (Continued) **S113101040**

Mailing Name: Not reported
Mailing Address: 588 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921083206
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.1
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
35 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **BOB BAKER FORD CHRYSLER PLYM** **RCRA-SQG** **1000431617**
730 CAMINO DEL RIO NORTH **FINDS** **CAD981385032**
SAN DIEGO, CA 92108 **CA HIST CORTESE**
CA LUST
CA SLIC
CA UST
CA SWEEPS UST
CA AST
CA HAZNET
CA EMI
CA SAN DIEGO CO. SAM

RCRA-SQG:
Date form received by agency: 09/01/1992
Facility name: BOB BAKER FORD CHRYSLER PLYM
Facility address: 730 CAMINO DEL RIO NORTH
SAN DIEGO, CA 92108
EPA ID: CAD981385032
Contact: RALPH DELANO
Contact address: 730 CAMINO DEL RIO NORTH
SAN DIEGO, CA 92108
Contact country: US
Contact telephone: (619) 297-5001
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ROBERT H BAKER
Owner/operator address: 730 CAMINO DEL RIO NORTH
SAN DIEGO, CA 92108
Owner/operator country: Not reported
Owner/operator telephone: (619) 297-5001
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/07/2004
Date achieved compliance: 04/07/2004
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/07/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/07/2004
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002688887

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT297

LUST:

Region:	STATE
Global Id:	T06019776864
Latitude:	32.765847
Longitude:	-117.158676
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/20/2008
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H02961-003
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T06019776864
Contact Type:	Local Agency Caseworker
Contact Name:	CAROL FENNER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	carol.fenner@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T06019776864
Status:	Open - Site Assessment
Status Date:	10/14/2005
Global Id:	T06019776864
Status:	Completed - Case Closed
Status Date:	11/20/2008
Global Id:	T06019776864
Status:	Open - Case Begin Date
Status Date:	07/19/2005

Regulatory Activities:

Global Id:	T06019776864

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Action Type:	Other
Date:	07/19/2005
Action:	Leak Began
Global Id:	T06019776864
Action Type:	Other
Date:	07/19/2005
Action:	Leak Discovery
Global Id:	T06019776864
Action Type:	Other
Date:	07/19/2005
Action:	Leak Stopped
Global Id:	T06019776864
Action Type:	ENFORCEMENT
Date:	10/21/2005
Action:	Notice of Responsibility
Global Id:	T06019776864
Action Type:	Other
Date:	08/25/2005
Action:	Leak Reported
Global Id:	T06019776864
Action Type:	ENFORCEMENT
Date:	10/24/2008
Action:	Closure/No Further Action Letter

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT297
Local Case:	H02961-002
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	09/02/1986
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/03/1986
Enforce Date:	Not reported
Closed Date:	3/9/88

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 11/24/1986
Global Id: T0608190499
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02961-001
Latitude: 32.765847
Longitude: -117.158676
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 03/09/1988
Global Id: T0607301736
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02961-002
Latitude: 32.765746
Longitude: -117.158621
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT297
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

UST:

Facility ID: H02961
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.7670709
Longitude: -117.157288

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

SWEEPS UST:

Status:	Active
Comp Number:	2961
Number:	9
Board Of Equalization:	44-021765
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002961-000006
Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Active
Comp Number:	2961
Number:	9
Board Of Equalization:	44-021765
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002961-000007
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2961
Number:	Not reported
Board Of Equalization:	44-021765
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002961-000001
Tank Status:	Not reported
Capacity:	7500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	5

Status:	Not reported
Comp Number:	2961
Number:	Not reported
Board Of Equalization:	44-021765
Referral Date:	Not reported

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002961-000002
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	OIL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2961
Number:	Not reported
Board Of Equalization:	44-021765
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002961-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2961
Number:	Not reported
Board Of Equalization:	44-021765
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002961-000004
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2961
Number:	Not reported
Board Of Equalization:	44-021765
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002961-000005
Tank Status:	Not reported
Capacity:	500

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

AST:
Certified Unified Program Agencies: San Diego
Owner: BOB BAKER AUTO GROUP
Total Gallons: 2660

HAZNET:
envid: 1000431617
Year: 2013
GEPAID: CAL000342982
Contact: JOHN VETTERICK/SEC'Y
Telephone: 6192944300
Mailing Name: Not reported
Mailing Address: 730 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921083207
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.187
Facility County: Not reported

EMI:
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 987
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 987
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	987
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	987
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	987
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 987
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.210012678
Reactive Organic Gases Tons/Yr: 0.19369665
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2005
County Code: 37
Air Basin: SD
Facility ID: 987
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .210012678
Reactive Organic Gases Tons/Yr: .19369665
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 987
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.53
Reactive Organic Gases Tons/Yr: 1.45
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2007
County Code: 37
Air Basin: SD
Facility ID: 987

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.53
Reactive Organic Gases Tons/Yr:	1.45
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	987
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.53
Reactive Organic Gases Tons/Yr:	1.45
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	987
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.53
Reactive Organic Gases Tons/Yr:	1.45
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	987
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.53

BOB BAKER FORD CHRYSLER PLYM (Continued) **1000431617**

Reactive Organic Gases Tons/Yr:	1.45
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H02961-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	11/24/1986
Date Began:	9/2/1986

Case Number:	H02961-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/9/1988
Date Began:	9/25/1987

Case Number:	H02961-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	11/7/2008
Date Began:	7/19/2005

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70 **BOB BAKER FORD** **CA HAZNET** **S113004358**
730 CAMINO DEL RIO NO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113004358
Year:	2009
GEPAID:	CAD981385032
Contact:	KIP PITMAN
Telephone:	6192975001
Mailing Name:	Not reported
Mailing Address:	730 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083207
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.65
Facility County:	San Diego

envid:	S113004358
Year:	2009
GEPAID:	CAD981385032

BOB BAKER FORD (Continued) **S113004358**

Contact:	KIP PITMAN
Telephone:	6192975001
Mailing Name:	Not reported
Mailing Address:	730 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083207
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Unspecified sludge waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.68805
Facility County:	San Diego

envid:	S113004358
Year:	2009
GEPAID:	CAD981385032
Contact:	KIP PITMAN
Telephone:	6192975001
Mailing Name:	Not reported
Mailing Address:	730 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083207
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.187
Facility County:	San Diego

envid:	S113004358
Year:	2009
GEPAID:	CAD981385032
Contact:	KIP PITMAN
Telephone:	6192975001
Mailing Name:	Not reported
Mailing Address:	730 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083207
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.187
Facility County:	San Diego

envid:	S113004358
Year:	2009
GEPAID:	CAD981385032
Contact:	KIP PITMAN
Telephone:	6192975001
Mailing Name:	Not reported
Mailing Address:	730 CAMINO DEL RIO N
Mailing City,St,Zip:	SAN DIEGO, CA 921083207
Gen County:	Not reported

BOB BAKER FORD (Continued) **S113004358**

TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.68805
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
263 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **CAMINO DEL RIO MIXED USE PROJECT** **CA NPDES** **S106060287**
730 CAMINO DEL RIO NORTH **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	451411
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C371762
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/22/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Mission Valley DEP LLC
Discharge Address:	3411 Richmond Avenue
Discharge City:	Houston
Discharge State:	Texas
Discharge Zip:	77046
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	451411
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C371762
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	12/22/2014
PROCESSED DATE:	12/22/2014
STATUS CODE NAME:	Active
STATUS DATE:	12/22/2014

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

PLACE SIZE:	5.72
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Tim Leonard
FACILITY CONTACT TITLE:	Regional Construction Manager
FACILITY CONTACT PHONE:	858-345-1318
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Tim.Leonard@tdc-properties.com
OPERATOR NAME:	Mission Valley DEP LLC
OPERATOR ADDRESS:	3411 Richmond Avenue
OPERATOR CITY:	Houston
OPERATOR STATE:	Texas
OPERATOR ZIP:	77046
OPERATOR CONTACT NAME:	Brad Dinerstein
OPERATOR CONTACT TITLE:	Executive Vice President
OPERATOR CONTACT PHONE:	832-209-1222
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	brad.dinerstein@tdc-properties.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	TTL Buiders
DEVELOPER ADDRESS:	777 S Hwy 101
DEVELOPER CITY:	Solana Beach
DEVELOPER STATE:	Texas
DEVELOPER ZIP:	92075
DEVELOPER CONTACT NAME:	Tim Leonard
DEVELOPER CONTACT TITLE:	Regional Construction Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	949-973-7832
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	Y
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego River (Lower)
CERTIFIER NAME:	Brad Dinerstein
CERTIFIER TITLE:	VP
CERTIFICATION DATE:	22-DEC-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	102961
Business Type:	6HK31
EPA Id Number:	CAD981385032

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

APN:	438-020-11-00
Last HMMD Inspection:	08/24/2007
Permit Status:	INAC
Permit Expiration:	11/30/2008
Facility Owner:	BOB BAKER AUTO GROUP
Facility Address:	730 CAMINO DEL RIO N
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3207
UST Owner:	FORD LEASING DEVELOPMENT CO
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102961 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102961
Tank Type:	UNKNOWN
Additional Id:	A
Capacity Gallons:	7500
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-10-12 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 102961 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102961
Tank Type:	UNKNOWN
Additional Id:	B
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1988-01-26 00:00:00
Year Installed:	1966-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102961 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102961
Tank Type:	UNKNOWN
Additional Id:	C SOLVENT
Capacity Gallons:	1000

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

UST Contents: Not reported
Other Content Info: SOLVENT
Reg Status: REMOVED
Remove Close Date: 1987-02-12 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102961 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 102961
Tank Type: UNKNOWN
Additional Id: D
Capacity Gallons: 500
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1988-02-02 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102961 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 102961
Tank Type: UNKNOWN
Additional Id: E
Capacity Gallons: 500
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1987-08-12 00:00:00
Year Installed: 1966-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 102961 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 102961
Tank Type: DOUBLE WALL
Additional Id: RT1175 UNLEADED/AT5170
Capacity Gallons: 4000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 2005-07-19 00:00:00
Year Installed: 1987-01-01 00:00:00
Pipe Type: DOUBLE WALL

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name: UNDERGROUND TANK 102961 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 102961
Tank Type: DOUBLE WALL
Additional Id: 7 WASTE OIL/AT5170
Capacity Gallons: 1000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 2005-07-19 00:00:00
Year Installed: 1987-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Violations Inactive Permits:
Facility Id: 102961
Update Date: 11/02/2012
Inspection Date: 02/16/2005
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: Inactive Permit

Facility Id: 102961
Update Date: 11/02/2012
Inspection Date: 02/16/2005
Violation Code: 6HV3264
Violation: SPILL CONT. NOT TESTED ANNUALLY
Violation Citation: Spill containment at fill point not tested annually. 25284.2
Activity: Inactive Permit

Facility Id: 102961
Update Date: 11/02/2012
Inspection Date: 05/13/2003
Violation Code: 6HV3151
Violation: ALL RELEASES NOT REPORTED/RECORDED
Violation Citation: All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity: Inactive Permit

Facility Id: 102961
Update Date: 11/02/2012
Inspection Date: 02/16/2005
Violation Code: 6HV3255
Violation: SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation: Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity: Inactive Permit

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	02/23/2006
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	Inactive Permit

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	Inactive Permit

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	Inactive Permit

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	01/07/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	Inactive Permit

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV3112
Violation:	2NDRY CONT TEST NOT DONE (6/36 MOS.)
Violation Citation:	Secondary containment testing not conducted at 6months/36 months. 25284.1; 2637(a)
Activity:	Inactive Permit

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	01/07/2004
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	Inactive Permit

Facility Id:	102961

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

Update Date:	11/02/2012
Inspection Date:	01/22/2004
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	Inactive Permit

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	05/13/2003
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	Inactive Permit

Facility Id:	102961
Update Date:	11/02/2012
Inspection Date:	02/16/2005
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	Inactive Permit

Facility Id:	211030
Business Type:	6HK26
EPA Id Number:	CAL000342238
APN:	438-020-11-00
Last HMMD Inspection:	06/07/2011
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	EVAN'S TIRE & SERVICE CENTER INC
Facility Address:	730 CAMINO DEL RIO N
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	211030
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

CAMINO DEL RIO MIXED USE PROJECT (Continued) **S106060287**

Facility Id: 211030
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211030
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE/NEW & USED
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 211030
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: TRANSMISSION & MOTOR OIL
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 211030
Update Date: 11/02/2012
Inspection Date: 06/07/2011
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 211030
Update Date: 11/02/2012
Inspection Date: 07/20/2009
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Facility Id: 211030
Update Date: 11/02/2012
Inspection Date: 07/20/2009
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

70 | **EDR US Hist Auto Stat** | **1015618651** | **N/A**

730 CAMINO DEL RIO N
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	BAKER BOB AUTOBODY
Year:	1999
Address:	730 CAMINO DEL RIO N
Name:	UNIVERSITY MOTORS
Year:	2001
Address:	730 CAMINO DEL RIO N
Name:	EVANS TIRE & SERVICE CENTERS
Year:	2011
Address:	730 CAMINO DEL RIO N
Name:	EVANS TIRE CORP
Year:	2012
Address:	730 CAMINO DEL RIO N

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70 **COURTESY CHEVROLET** | **RCRA-SQG** | **1000370081**
750 CAMINO DEL RIO NORTH | **FINDS** | **CAD055710651**
SAN DIEGO, CA 92108 | **CA HIST CORTESE**
CA LUST
CA SLIC
CA UST
CA HIST UST
CA SWEEPS UST
CA AST
CA Notify 65
CA HAZNET
CA EMI
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	COURTESY CHEVROLET
Facility address:	750 CAMINO DEL RIO NORTH SAN DIEGO, CA 92108
EPA ID:	CAD055710651
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	RAYMOND COTE
Owner/operator address:	NOT REQUIRED

COURTESY CHEVROLET (Continued) **1000370081**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/26/1986
Site name: COURTESY CHEVROLET
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 04/28/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002650426

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for

COURTESY CHEVROLET (Continued) **1000370081**

generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3214

LUST:

Region:	STATE
Global Id:	T0607301971
Latitude:	32.7649953
Longitude:	-117.1576276
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/09/1997
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3214
LOC Case Number:	H02747-003
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301971
Status:	Completed - Case Closed
Status Date:	05/09/1997

Global Id:	T0607301971
Status:	Open - Case Begin Date
Status Date:	12/21/1995

Regulatory Activities:

Global Id:	T0607301971
Action Type:	Other
Date:	01/08/1996

COURTESY CHEVROLET (Continued) **1000370081**

Action: Leak Began

Global Id: T0607301971
Action Type: ENFORCEMENT
Date: 04/30/1997
Action: Closure/No Further Action Letter - #H02747-003

Global Id: T0607301971
Action Type: Other
Date: 01/08/1996
Action: Leak Discovery

Global Id: T0607301971
Action Type: Other
Date: 12/27/1995
Action: Leak Stopped

Global Id: T0607301971
Action Type: Other
Date: 12/21/1995
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3214
Local Case: H02747-003
Substance: Waste Oil
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 01/08/1996
Date Stopped: 12/27/1995
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 01/08/1996
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/21/1995
Enforce Date: Not reported
Closed Date: 5/9/97
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 13’
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: 2B

COURTESY CHEVROLET (Continued) **1000370081**

File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/18/1988
Global Id: T0608118741
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02747-002
Latitude: 32.765535
Longitude: -117.157228
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 10/14/1987
Global Id: T0608139644
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02747-001
Latitude: 32.765535
Longitude: -117.157228
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

UST:
Facility ID: H02747
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.7663416
Longitude: -117.1564301

HIST UST:
Region: STATE
Facility ID: 00000019537
Facility Type: Other
Other Type: NEW CAR DEALER
Contact Name: ROBERT L. HALEY

COURTESY CHEVROLET (Continued) **1000370081**

Telephone:	6192974321
Owner Name:	COURTESY CHEVROLET INC.
Owner Address:	750 CAMINO DEL RIO NO.
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0010
Tank Num:	001
Container Num:	1
Year Installed:	1961
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1961
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1961
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1961
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	1961
Tank Capacity:	00002500
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	6
Year Installed:	1964
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL

COURTESY CHEVROLET (Continued) **1000370081**

Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 7
Year Installed: 1964
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: 8
Year Installed: 1964
Tank Capacity: 00000550
Tank Used for: Not reported
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 009
Container Num: 9
Year Installed: 1964
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 010
Container Num: 10
Year Installed: 1964
Tank Capacity: 00000550
Tank Used for: Not reported
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:
Status: Active
Comp Number: 2747
Number: 9
Board Of Equalization: 44-021732
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002747-000002
Tank Status: A
Capacity: 4000
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: 8

COURTESY CHEVROLET (Continued) **1000370081**

Status:	Active
Comp Number:	2747
Number:	9
Board Of Equalization:	44-021732
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002747-000003
Tank Status:	A
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2747
Number:	9
Board Of Equalization:	44-021732
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002747-000006
Tank Status:	A
Capacity:	2500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2747
Number:	9
Board Of Equalization:	44-021732
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002747-000007
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2747
Number:	9
Board Of Equalization:	44-021732
Referral Date:	Not reported
Action Date:	06-26-92

COURTESY CHEVROLET (Continued) **1000370081**

Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002747-000008
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2747
Number:	9
Board Of Equalization:	44-021732
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002747-000009
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2747
Number:	9
Board Of Equalization:	44-021732
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002747-000010
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2747
Number:	9
Board Of Equalization:	44-021732
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002747-000011
Tank Status:	A
Capacity:	4000
Active Date:	Not reported

COURTESY CHEVROLET (Continued) **1000370081**

Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2747
Number: Not reported
Board Of Equalization: 44-021732
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002747-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: 3

Status: Not reported
Comp Number: 2747
Number: Not reported
Board Of Equalization: 44-021732
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002747-000004
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2747
Number: Not reported
Board Of Equalization: 44-021732
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002747-000005
Tank Status: Not reported
Capacity: 2500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

COURTESY CHEVROLET (Continued) **1000370081**

AST:
Certified Unified Program Agencies: San Diego
Owner: E J FITZGERALD
Total Gallons: 2685

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92108-3207

HAZNET:
envid: 1000370081
Year: 2013
GEPAID: CAD055710651
Contact: SCOTT HASTED SERVICE DIRECTOR
Telephone: 6192974321
Mailing Name: Not reported
Mailing Address: 750 CAMINO DEL RIO NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego
TSD EPA ID: CAD008252405
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.12093
Facility County: Not reported

envid: 1000370081
Year: 2013
GEPAID: CAD055710651
Contact: SCOTT HASTED SERVICE DIRECTOR
Telephone: 6192974321
Mailing Name: Not reported
Mailing Address: 750 CAMINO DEL RIO NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 13.2
Facility County: Not reported

envid: 1000370081
Year: 2013
GEPAID: CAD055710651
Contact: SCOTT HASTED SERVICE DIRECTOR
Telephone: 6192974321
Mailing Name: Not reported
Mailing Address: 750 CAMINO DEL RIO NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego

COURTESY CHEVROLET (Continued) **1000370081**

TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.272
Facility County: Not reported

envid: 1000370081
Year: 2013
GEPAID: CAD055710651
Contact: SCOTT HASTED SERVICE DIRECTOR
Telephone: 6192974321
Mailing Name: Not reported
Mailing Address: 750 CAMINO DEL RIO NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.52125
Facility County: Not reported

envid: 1000370081
Year: 2013
GEPAID: CAD055710651
Contact: SCOTT HASTED SERVICE DIRECTOR
Telephone: 6192974321
Mailing Name: Not reported
Mailing Address: 750 CAMINO DEL RIO NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: San Diego
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.0832
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
127 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 1999
County Code: 37
Air Basin: SD
Facility ID: 725
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0

COURTESY CHEVROLET (Continued) **1000370081**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	725
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	725
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	725
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

COURTESY CHEVROLET (Continued) **1000370081**

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	725
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.430511751
Reactive Organic Gases Tons/Yr:	0.397065
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	725
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.430511751
Reactive Organic Gases Tons/Yr:	.397065
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	725
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.430511751
Reactive Organic Gases Tons/Yr:	.397065
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H02747-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case

COURTESY CHEVROLET (Continued) **1000370081**

Date:	10/14/1987
Date Began:	9/23/1987
Case Number:	H02747-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	10/18/1988
Date Began:	9/8/1988
Case Number:	H02747-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/9/1997
Date Began:	1/8/1996

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70 **CA CHMIRS** **S100217005**
N/A

1229 CAMINO DEL RIO SOUTH
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	8905394
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	29-MAR-89
Date Completed:	**29-MAR-89**
Property Use:	500
Agency Id Number:	37140
Agency Incident Number:	52367
Time Notified:	1214
Time Completed:	1415
Surrounding Area:	500
Estimated Temperature:	70
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	FORD TRUCK
Vehicle License Number:	1X53319
Vehicle State:	CA
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	MESA DISTRIBUTING
Reporting Officer Name/ID:	JEFF A. HINCK
Report Date:	29-MAR-89
Facility Telephone:	619 236-7773
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported

(Continued) **S100217005**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	08-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

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70 **ED BENJAMIN & SONS** **CA San Diego Co. HMMD** **S106063741**
1233 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	132989
Business Type:	6HK18
EPA Id Number:	CAL000095161
APN:	438-070-13-00
Last HMMD Inspection:	08/31/2009
Permit Status:	INAC
Permit Expiration:	07/31/2012
Facility Owner:	ED BENJAMIN & SONS
Facility Address:	1233 S CAMINO DEL RIO
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

ED BENJAMIN & SONS (Continued) **S106063741**

Violations Inactive Permits:

Facility Id:	132989
Update Date:	11/02/2012
Inspection Date:	06/23/2003
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	Inactive Permit

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70 **MARSHALLS 0725** **CA HAZNET** **S117311139**
908 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117311139
Year:	2013
GEPAID:	CAL000383000
Contact:	PAUL KANGAS
Telephone:	7743083651
Mailing Name:	Not reported
Mailing Address:	770 COCHITUATE RD
Mailing City,St,Zip:	FRAMINGHAM, MA 01701
Gen County:	San Diego
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.012
Facility County:	Not reported

envid:	S117311139
Year:	2013
GEPAID:	CAL000383000
Contact:	PAUL KANGAS
Telephone:	7743083651
Mailing Name:	Not reported
Mailing Address:	770 COCHITUATE RD
Mailing City,St,Zip:	FRAMINGHAM, MA 01701
Gen County:	San Diego
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	0.0865
Facility County:	Not reported

envid:	S117311139
Year:	2013
GEPAID:	CAL000383000
Contact:	PAUL KANGAS
Telephone:	7743083651
Mailing Name:	Not reported
Mailing Address:	770 COCHITUATE RD
Mailing City,St,Zip:	FRAMINGHAM, MA 01701

MARSHALLS 0725 (Continued) **S117311139**

Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.004
Facility County:	Not reported

envid:	S117311139
Year:	2013
GEPAID:	CAL000383000
Contact:	PAUL KANGAS
Telephone:	7743083651
Mailing Name:	Not reported
Mailing Address:	770 COCHITUATE RD
Mailing City,St,Zip:	FRAMINGHAM, MA 01701
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.034
Facility County:	Not reported

envid:	S117311139
Year:	2013
GEPAID:	CAL000383000
Contact:	PAUL KANGAS
Telephone:	7743083651
Mailing Name:	Not reported
Mailing Address:	770 COCHITUATE RD
Mailing City,St,Zip:	FRAMINGHAM, MA 01701
Gen County:	San Diego
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.014
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **ED BENJAMIN & SONS** **CA San Diego Co. HMMD** **S106063768**
1233 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133064
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	DEH-133064
Last HMMD Inspection:	05/07/1992
Permit Status:	INAC
Permit Expiration:	05/07/1992

ED BENJAMIN & SONS (Continued) **S106063768**

Facility Owner:	BURTON BENJAMIN
Facility Address:	1233 S CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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70 **SMILECARE** **CA San Diego Co. HMMD** **S113078276**
1333 CAMINO DEL RIO SOUTH **CA HAZNET** **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153437
Business Type:	6HK10
EPA Id Number:	CAL000142791
APN:	438-070-13-00
Last HMMD Inspection:	04/08/2010
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	SMILECARE
Facility Address:	2 MACARTHUR PL #700
Facility City:	SANTA ANA
Facility State:	CA
Facility Zip:	92799-5096
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	153437
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	153437
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	SPENT FIXER/DEVELOPER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	153437

SMILECARE (Continued) **S113078276**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: WASTE FLAMMABLE LIQUIDS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 153437
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 153437
Update Date: 11/02/2012
Inspection Date: 04/08/2010
Violation Code: 6HV4309
Violation: SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation: Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity: ACTIVE

HAZNET:
envid: S113078276
Year: 2011
GEPAID: CAL000142791
Contact: LANE D HARTER-DIR CLIN SVCS
Telephone: 7148503333
Mailing Name: Not reported
Mailing Address: PO BOX 25096
Mailing City,St,Zip: SANTA ANA, CA 927990000
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.018
Facility County: San Diego

envid: S113078276
Year: 2011
GEPAID: CAL000142791
Contact: LANE D HARTER-DIR CLIN SVCS
Telephone: 7148503333
Mailing Name: Not reported
Mailing Address: PO BOX 25096
Mailing City,St,Zip: SANTA ANA, CA 927990000
Gen County: Not reported
TSD EPA ID: CAD044429835

SMILECARE (Continued) **S113078276**

TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.018
Facility County: San Diego

envid: S113078276
Year: 2011
GEPAID: CAL000142791
Contact: LANE D HARTER-DIR CLIN SVCS
Telephone: 7148503333
Mailing Name: Not reported
Mailing Address: PO BOX 25096
Mailing City,St,Zip: SANTA ANA, CA 927990000
Gen County: Not reported
TSD EPA ID: CAD044429835
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.018
Facility County: San Diego

envid: S113078276
Year: 2010
GEPAID: CAL000142791
Contact: LANE D HARTER-DIR CLIN SVCS
Telephone: 7148503333
Mailing Name: Not reported
Mailing Address: PO BOX 25096
Mailing City,St,Zip: SANTA ANA, CA 927990000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.018
Facility County: San Diego

envid: S113078276
Year: 2010
GEPAID: CAL000142791
Contact: LANE D HARTER-DIR CLIN SVCS
Telephone: 7148503333
Mailing Name: Not reported
Mailing Address: PO BOX 25096
Mailing City,St,Zip: SANTA ANA, CA 927990000
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.018
Facility County: San Diego

SMILECARE (Continued) **S113078276**

Click this hyperlink while viewing on your computer to access
49 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **PLANNED PARENTHOOD MVE** **CA San Diego Co. HMMD** **S106068340**
1333 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	205022
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-070-13-00
Last HMMD Inspection:	05/04/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	PLANNED PARENTHOOD
Facility Address:	1333 CAMINO DEL RIO S #306
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	205022
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	205022
Update Date:	11/02/2012
Inspection Date:	07/24/2008
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE

Facility Id:	205022
Update Date:	11/02/2012
Inspection Date:	07/24/2008
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

70 **EDR US Hist Auto Stat** **1015228927**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	MARVIN K BROWN AUTO CTR
Year:	2001
Address:	1441 CAMINO DEL RIO S
Name:	MARVIN K BROWN AUTO CTR
Year:	2003
Address:	1441 CAMINO DEL RIO S
Name:	COLLISION SERVICE AT MKB
Year:	2010
Address:	1441 CAMINO DEL RIO S
Name:	COLLISION SERVICE AT MKB
Year:	2011
Address:	1441 CAMINO DEL RIO S

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70 **MARVIN K BROWN CADILLAC** **CA HIST CORTESE** **1000433226**
1441 CAMINO DEL RIO S **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA SLIC**
CA HIST UST
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2257
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3791
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1558

LUST:

Region:	STATE
Global Id:	T0607302555
Latitude:	32.7661281
Longitude:	-117.1487464
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	07/25/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	TS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT3791
LOC Case Number:	H02623-005
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline

MARVIN K BROWN CADILLAC (Continued) **1000433226**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607302555
Contact Type: Local Agency Caseworker
Contact Name: TERESA SHERMAN
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: teresa.sherman@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302555
Status: Completed - Case Closed
Status Date: 07/25/2003

Global Id: T0607302555
Status: Open - Case Begin Date
Status Date: 11/13/1998

Regulatory Activities:
Global Id: T0607302555
Action Type: Other
Date: 11/13/1998
Action: Leak Began

Global Id: T0607302555
Action Type: Other
Date: 11/13/1998
Action: Leak Discovery

Global Id: T0607302555
Action Type: Other
Date: 11/13/1998
Action: Leak Stopped

Global Id: T0607302555
Action Type: ENFORCEMENT
Date: 12/21/1998
Action: Notice of Responsibility

Global Id: T0607302555
Action Type: Other
Date: 11/23/1998
Action: Leak Reported

Region: STATE
Global Id: T0607300377
Latitude: 32.765535
Longitude: -117.148811
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/27/1990

MARVIN K BROWN CADILLAC (Continued) **1000433226**

Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1558
LOC Case Number:	H02623-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300377
Status:	Open - Case Begin Date
Status Date:	10/10/1989

Global Id:	T0607300377
Status:	Completed - Case Closed
Status Date:	04/27/1990

Regulatory Activities:

Global Id:	T0607300377
Action Type:	Other
Date:	10/10/1989
Action:	Leak Began

Global Id:	T0607300377
Action Type:	Other
Date:	10/10/1989
Action:	Leak Discovery

Global Id:	T0607300377
Action Type:	ENFORCEMENT
Date:	10/30/1989
Action:	Notice of Responsibility

Global Id:	T0607300377
Action Type:	Other
Date:	10/10/1989
Action:	Leak Stopped

Global Id:	T0607300377
Action Type:	Other
Date:	10/27/1989
Action:	Leak Reported

Region:	STATE
Global Id:	T0607301023
Latitude:	32.765535
Longitude:	-117.148811
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/18/1996
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	NS

MARVIN K BROWN CADILLAC (Continued) **1000433226**

Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2257
LOC Case Number:	H02623-004
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301023
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	nasser.sionit@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301023
Status:	Open - Case Begin Date
Status Date:	07/23/1992
Global Id:	T0607301023
Status:	Completed - Case Closed
Status Date:	04/18/1996

Regulatory Activities:

Global Id:	T0607301023
Action Type:	Other
Date:	07/23/1992
Action:	Leak Began
Global Id:	T0607301023
Action Type:	Other
Date:	07/23/1992
Action:	Leak Discovery
Global Id:	T0607301023
Action Type:	ENFORCEMENT
Date:	08/24/1992
Action:	Notice of Responsibility
Global Id:	T0607301023
Action Type:	Other
Date:	07/23/1992
Action:	Leak Stopped
Global Id:	T0607301023
Action Type:	Other
Date:	07/23/1992
Action:	Leak Reported

MARVIN K BROWN CADILLAC (Continued) **1000433226**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1558
Local Case:	H02623-001
Substance:	Transmission Fluid
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	10/27/1989
Date Stopped:	10/10/1989
Confirm Date:	10/27/1989
Submit Workplan:	Not reported
Prelim Assess:	12/26/1989
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	10/27/1989
Enforce Date:	10/30/89
Closed Date:	4/27/90
Enforce Type:	SEL
Pilot Program:	LOP
Basin Number:	Not reported
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3791
Local Case:	H02623-005
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	11/13/1998
Date Stopped:	11/13/1998
Confirm Date:	/ /

MARVIN K BROWN CADILLAC (Continued) **1000433226**

Submit Workplan: Not reported
Prelim Assess: 12/07/1998
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/23/1998
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >16'
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Not reported
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 05/06/1991
Global Id: T0608152314
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02623-002
Latitude: 32.765918
Longitude: -117.148801
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/04/1992
Global Id: T0608115015
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H02623-003
Latitude: 32.765918
Longitude: -117.148801
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

MARVIN K BROWN CADILLAC (Continued) **1000433226**

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000011633
Facility Type:	Other
Other Type:	CAR DEALER
Contact Name:	DAVE GRUNDSTROM (DIRECTOR OF F
Telephone:	6192912040
Owner Name:	MARVIN K. BROWN CADILLAC, INC.
Owner Address:	1441 CAMINO DEL RIO S.
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0008
Tank Num:	001
Container Num:	1
Year Installed:	1967
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1979
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	3/8
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	1967
Tank Capacity:	00000450
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	1/4
Leak Detection:	None
Tank Num:	004
Container Num:	4
Year Installed:	1967
Tank Capacity:	00000450
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	1/4
Leak Detection:	None
Tank Num:	005
Container Num:	5
Year Installed:	1967
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	5

MARVIN K BROWN CADILLAC (Continued) **1000433226**

Container Construction Thickness: X
Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 7
Year Installed: 1967
Tank Capacity: 00002500
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 007
Container Num: 8
Year Installed: 1967
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 008
Container Num: 6
Year Installed: 1967
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

SAN DIEGO CO. SAM:
Case Number: H02623-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/27/1990
Date Began: 10/10/1989

Case Number: H02623-002
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 5/6/1991
Date Began: 1/7/1991

Case Number: H02623-003
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Failed Integrity Test
Facility Status: Closed Case
Date: 8/4/1992
Date Began: 4/21/1992

Case Number: H02623-004
Agency: DEH Site Assessment & Mitigation

MARVIN K BROWN CADILLAC (Continued) **1000433226**

Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	4/18/1996
Date Began:	7/23/1992
Case Number:	H02623-005
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	7/25/2003
Date Began:	11/13/1998

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70 **MARVIN K BROWN AUTO CENTER** **CA AST** **S106060170**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

AST:

Certified Unified Program Agencies:	San Diego
Owner:	JAMES E BROWN
Total Gallons:	2300

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70 **CARTER COLLISION SERVICE AT MKB AUTO CTR** **RCRA NonGen / NLR** **1008372092**
1441 S CAMINO DEL RIO **CAR000162693**
SAN DIEGO, CA 92108

RCRA NonGen / NLR:

Date form received by agency:	06/14/2006
Facility name:	CARTER COLLISION SERVICE AT MKB AUTO CTR
Facility address:	1441 S CAMINO DEL RIO SAN DIEGO, CA 92108
EPA ID:	CAR000162693
Mailing address:	8835 CUYAMACA ST SANTEE, CA 92071
Contact:	MATTHEW J PARSONS
Contact address:	8835 CUYAMACA ST SANTEE, CA 92071
Contact country:	US
Contact telephone:	619-258-2050
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MISSION CAMINO INVESTMENTS
Owner/operator address:	1441 S CAMINO DEL RIO SAN DIEGO, CA 92108
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2005
Owner/Op end date:	Not reported

CARTER COLLISION SERVICE AT MKB AUTO CTR (Continued) **1008372092**

Owner/operator name: CARTER COLLISION SERVICE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2005
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 05/11/2005
Site name: CARTER COLLISION SERVICE AT MKB AUTO CTR
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003

CARTER COLLISION SERVICE AT MKB AUTO CTR (Continued) **1008372092**

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

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70 **BROWN MARVIN K CADILLAC** **CA EMI** **1006823868**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	569
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	569
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

BROWN MARVIN K CADILLAC (Continued) **1006823868**

Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2001
County Code: 37
Air Basin: SD
Facility ID: 569
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2002
County Code: 37
Air Basin: SD
Facility ID: 569
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2003
County Code: 37
Air Basin: SD
Facility ID: 569
Air District Name: SD
SIC Code: 7532
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2004
County Code: 37
Air Basin: SD
Facility ID: 569

BROWN MARVIN K CADILLAC (Continued) **1006823868**

Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.643656946
Reactive Organic Gases Tons/Yr:	0.5936508
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	569
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.643656946
Reactive Organic Gases Tons/Yr:	.5936508
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	569
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.643656946
Reactive Organic Gases Tons/Yr:	.5936508
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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70 **MARVIN K BROWN CADIILLAC** **CA RGA LUST** **S114648437**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2012	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2011	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2010	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2009	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2008	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2007	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S

MARVIN K BROWN CADIILLAC (Continued) **S114648437**

2007	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2007	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2007	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2007	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2006	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S
2005	MARVIN K BROWN CADIILLAC	1441 CAMINO DEL RIO S

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70 **MARVIN K BROWN CADIILLAC** **CA UST** **U003789081**
1441 CAMINO DEL RIO S **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108

UST:
Facility ID: H02623
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.766799
Longitude: -117.147597

SWEEPS UST:
Status: Active
Comp Number: 2623
Number: 9
Board Of Equalization: 44-021716
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002623-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 5

Status: Active
Comp Number: 2623
Number: 9
Board Of Equalization: 44-021716
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002623-000003
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Active
Comp Number: 2623
Number: 9
Board Of Equalization: 44-021716
Referral Date: Not reported

MARVIN K BROWN CADIILLAC (Continued) **U003789081**

Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002623-000005
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2623
Number:	9
Board Of Equalization:	44-021716
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002623-000006
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	2623
Number:	9
Board Of Equalization:	44-021716
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002623-000007
Tank Status:	A
Capacity:	2500
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	2623
Number:	Not reported
Board Of Equalization:	44-021716
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002623-000002
Tank Status:	Not reported
Capacity:	6000

MARVIN K BROWN CADIILLAC (Continued) **U003789081**

Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 4

Status: Not reported
Comp Number: 2623
Number: Not reported
Board Of Equalization: 44-021716
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002623-000004
Tank Status: Not reported
Capacity: 2500
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2623
Number: Not reported
Board Of Equalization: 44-021716
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002623-000008
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2623
Number: Not reported
Board Of Equalization: 44-021716
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-002623-000009
Tank Status: Not reported
Capacity: 2500
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

70 **MARVIN K BROWN AUTO CTR** **FINDS** **1007676889**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110017946491

Environmental Interest/Information System
STATE MASTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

Registry ID: 110055799266

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

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70 **BROWN, MARVIN** **CA LUST** **S101301917**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2257
Local Case:	H02623-004
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	07/23/1992
Date Stopped:	07/23/1992
Confirm Date:	07/23/1992
Submit Workplan:	Not reported
Prelim Assess:	08/03/1992
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/23/1992

BROWN, MARVIN (Continued) **S101301917**

Enforce Date: Not reported
Closed Date: 4/18/96
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 30'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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70 **MARVIN K BROWN AUTO CTR INC** **CA HAZNET** **S113007144**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S113007144
Year: 2013
GEPAID: CAD981463334
Contact: JAMES J DUDA, DIR OF FIXED OPS
Telephone: 6192912040
Mailing Name: Not reported
Mailing Address: 1441 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: San Diego
TSD EPA ID: TXD077603371
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.07
Facility County: Not reported

envid: S113007144
Year: 2013
GEPAID: CAD981463334
Contact: JAMES J DUDA, DIR OF FIXED OPS
Telephone: 6192912040
Mailing Name: Not reported
Mailing Address: 1441 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: San Diego
TSD EPA ID: TXD077603371
TSD County: 99
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.18
Facility County: Not reported

envid: S113007144
Year: 2013
GEPAID: CAD981463334
Contact: JAMES J DUDA, DIR OF FIXED OPS
Telephone: 6192912040
Mailing Name: Not reported

MARVIN K BROWN AUTO CTR INC (Continued) **S113007144**

Mailing Address: 1441 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.075
Facility County: Not reported

envid: S113007144
Year: 2013
GEPAID: CAD981463334
Contact: JAMES J DUDA, DIR OF FIXED OPS
Telephone: 6192912040
Mailing Name: Not reported
Mailing Address: 1441 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.02
Facility County: Not reported

envid: S113007144
Year: 2013
GEPAID: CAD981463334
Contact: JAMES J DUDA, DIR OF FIXED OPS
Telephone: 6192912040
Mailing Name: Not reported
Mailing Address: 1441 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: San Diego
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Not reported
Tons: 0.7938
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
283 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **MARVIN K BROWN** **CA RGA LUST** **S114648440**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	MARVIN K BROWN	1441 CAMINO DEL RIO S
2003	MARVIN K BROWN	1441 CAMINO DEL RIO S

70 **MARVIN K BROWN CADILLAC** **CA RGA LUST** **S114648439**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
2003	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
2002	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
2001	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
2000	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
1998	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
1997	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
1996	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S
1995	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO S

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70 **MARVIN K. BROWN CADILLAC** **CA RGA LUST** **S114648441**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	MARVIN K. BROWN CADILLAC	1441 CAMINO DEL RIO S
2003	MARVIN K. BROWN CADILLAC	1441 CAMINO DEL RIO S

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70 **MARVIN K. BROWN** **CA RGA LUST** **S114648442**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	MARVIN K. BROWN	1441 CAMINO DEL RIO S
2003	MARVIN K. BROWN	1441 CAMINO DEL RIO S

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70 **BROWN, MARVIN** **CA RGA LUST** **S114587317**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2001	BROWN, MARVIN	1441 CAMINO DEL RIO S
2000	BROWN, MARVIN	1441 CAMINO DEL RIO S
1998	BROWN, MARVIN	1441 CAMINO DEL RIO S
1997	BROWN, MARVIN	1441 CAMINO DEL RIO S
1996	BROWN, MARVIN	1441 CAMINO DEL RIO S
1995	BROWN, MARVIN	1441 CAMINO DEL RIO S

70 **CARTER COLLISION SERVICE DBA MKB AUTO CENTER** **CA HAZNET** **S113137243**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113137243
Year:	2013
GEPAID:	CAL000294133
Contact:	Tim Becker
Telephone:	6199545484
Mailing Name:	Not reported
Mailing Address:	8835 CUYAMACA ST
Mailing City,St,Zip:	SANTEE, CA 920714220
Gen County:	San Diego
TSD EPA ID:	CAD008252405
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.3753
Facility County:	Not reported

envid:	S113137243
Year:	2011
GEPAID:	CAL000294133
Contact:	RICH BENDER
Telephone:	6196540858
Mailing Name:	Not reported
Mailing Address:	8835 CUYAMACA ST
Mailing City,St,Zip:	SANTEE, CA 920714220
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.28356
Facility County:	San Diego

envid:	S113137243
Year:	2011
GEPAID:	CAL000294133
Contact:	RICH BENDER
Telephone:	6196540858
Mailing Name:	Not reported
Mailing Address:	8835 CUYAMACA ST
Mailing City,St,Zip:	SANTEE, CA 920714220
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	San Diego

envid:	S113137243
Year:	2010
GEPAID:	CAL000294133
Contact:	RICH BENDER
Telephone:	6196540858

CARTER COLLISION SERVICE DBA MKB AUTO CENTER (Continued) **S113137243**

Mailing Name:	Not reported
Mailing Address:	8835 CUYAMACA ST
Mailing City,St,Zip:	SANTEE, CA 920714220
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.24603
Facility County:	San Diego

envid:	S113137243
Year:	2008
GEPAID:	CAL000294133
Contact:	MATT PARSONS
Telephone:	6193394476
Mailing Name:	Not reported
Mailing Address:	8835 CUYAMACA ST
Mailing City,St,Zip:	SANTEE, CA 920714220
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
16 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **MARVIN K BROWN AUTO CENTER** **CA San Diego Co. HMMD** **S108213352**
1441 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	102623
Business Type:	6HK31
EPA Id Number:	CAD981463334
APN:	438-090-30-00
Last HMMD Inspection:	03/01/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	JAMES E BROWN
Facility Address:	1441 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3521
UST Owner:	JAMES E BROWN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102623 T001

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	DOUBLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-07-10 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	11
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 102623 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-08-02 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 102623 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 102623 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	2500
UST Contents:	Not reported

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Other Content Info:	LUBE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-04-03 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102623 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102623 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102623 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	LUBE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 102623 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1989-10-10 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 102623 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	UNKNOWN
Additional Id:	00009
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1989-10-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 102623 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	DOUBLE WALL
Additional Id:	NT2142 / RT2708; RT5067
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	102623

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE GAS-CYLINDER (1 GALLON OF PROPANE =37 CF)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	MOTOR OIL WASTES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING (AND DRUMS)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	INTERSTATE BATTERY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	811972
Name:	1,1,1,2 TETRAFLUOROETHANE, 99%:
Other Information:	COMPRESSED REFERIGERANT GAS, R-134A
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREP WASH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	TUNNEL SOAP

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: MIXTURE
Name: ACETONE, TOLUENE, XYLENE, HEXANE: BRAKE CLEANER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 102623
Update Date: 11/02/2012
Case Number: Not reported
Name: AUTO MAJIC
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: Not reported
Name: MARK V CLEAR COAT (2-BUTOXYETHANOL)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, O2, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: 6 AQUEOUS CLEANERS, PARTS & BRAKE
Material Waste: Waste
Hazardous Categories 1: Not reported

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: USED BRAKE FLUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE, C2H2, 99%, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: 107-21-1
Name: ETHYLENE GLYCOL, HOCH2CH2OH, 95%:
Other Information: ENGINE COOLANT ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 102623
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: USED ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 102623 T010
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102623

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ABSORBENT W/ OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	09/01/2004
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/04/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/04/2009
Violation Code:	6HV0232
Violation:	HW CONTAINER IN POOR CONDITION
Violation Citation:	Waste accumulated in a container in poor condition. CFR 265.171
Activity:	ACTIVE

Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2010
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE

Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2010
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	01/22/2004
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	09/01/2004
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2011
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/05/2003
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections.

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

66265.195 (c)
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/02/2007
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/02/2007
Violation Code: 6HV3108
Violation: UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation: Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/02/2007
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/06/2008
Violation Code: 6HV3105
Violation: NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation: Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/02/2010
Violation Code: 6HV0304
Violation: WASTE DETERMINATION NOT MADE
Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Facility Id: 102623
Business Type: 6HK31
EPA Id Number: CAD981463334
APN: 438-090-30-00
Last HMMD Inspection: 03/01/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: JAMES E BROWN

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Facility Address:	1441 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3521
UST Owner:	JAMES E BROWN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102623 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	DOUBLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-07-10 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	11
UST Monitor Method:	SW TANK SW SUCTION PIPE W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST TRIENNIALLY

UST Name:	UNDERGROUND TANK 102623 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	6000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1991-08-02 00:00:00
Year Installed:	1979-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 102623 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102623 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	LUBE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-04-03 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102623 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 102623 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

UST Name:	UNDERGROUND TANK 102623 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	LUBE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-07-23 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 102623 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	SINGLE WALL
Additional Id:	Not reported
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1989-10-10 00:00:00
Year Installed:	1967-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 102623 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	UNKNOWN
Additional Id:	00009
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1989-10-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 102623 T010
Last Update:	2012-11-02 14:17:38
Permit Number:	102623
Tank Type:	DOUBLE WALL
Additional Id:	NT2142 / RT2708; RT5067
Capacity Gallons:	10000

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE GAS-CYLINDER (1 GALLON OF PROPANE =37 CF)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	MOTOR OIL WASTES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OILS, LUBRICATING (AND DRUMS)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	INTERSTATE BATTERY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	811972
Name:	1,1,1,2 TETRAFLUOROETHANE, 99%:
Other Information:	COMPRESSED REFERIGERANT GAS, R-134A
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PREP WASH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	TUNNEL SOAP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	ACETONE, TOLUENE, XYLENE, HEXANE: BRAKE CLEANER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	AIR, COMPRESSED
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	AUTO MAJIC
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	MARK V CLEAR COAT (2-BUTOXYETHANOL)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	102623
Update Date:	11/02/2012
Case Number:	7782-44-7

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Name:	OXYGEN, O2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	6 AQUEOUS CLEANERS, PARTS & BRAKE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	USED BRAKE FLUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	102623
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE, C2H2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	102623
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL, HOCH2CH2OH, 95%:
Other Information:	ENGINE COOLANT ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	USED ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	102623
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 102623 T010
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 102623
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT W/ OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 09/01/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/04/2009
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/04/2009
Violation Code: 6HV0232
Violation: HW CONTAINER IN POOR CONDITION
Violation Citation: Waste accumulated in a container in poor condition. CFR 265.171
Activity: ACTIVE

Facility Id: 102623
Update Date: 11/02/2012
Inspection Date: 03/02/2010
Violation Code: 6HV3114
Violation: 2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation: Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity: ACTIVE

Facility Id: 102623

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Update Date:	11/02/2012
Inspection Date:	03/02/2010
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	01/22/2004
Violation Code:	6HV3115
Violation:	NO 2NDARY CONTAINMT. TEST/REPAIRS
Violation Citation:	Secondary containment testing not completed (passed) for all components &/or repairs to secondary containment components not completed. 25284.1, 25291(a)(2); 2637
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	09/01/2004
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Inspection Date:	03/02/2011
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/05/2003
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2007
Violation Code:	6HV3114
Violation:	2NDRY CONT TEST NOT DONE/SENT TO CUPA
Violation Citation:	Secondary containment testing not done at 6/36 months and/or not sent to CUPA within 30 days. 25284.1; 2637(a)&(e)
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/06/2008
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	102623
Update Date:	11/02/2012
Inspection Date:	03/02/2010
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Violation Citation: Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity: ACTIVE

Facility Id: 205547
Business Type: 6HK27
EPA Id Number: CAL000294133
APN: 438-090-30-00
Last HMMD Inspection: 03/27/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: CARTER COLLISION
Facility Address: 8835 CUYAMACA ST
Facility City: SANTEE
Facility State: CA
Facility Zip: 92071
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 205547
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 205547
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 205547
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON / COS MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 205547
Update Date: 11/02/2012
Case Number: MIXTURE
Name: ACETONE/ NAPHTHA/ ISOPROPYL ALCOHOL
Other Information: UNIVERSAL SOLVENT 3520 PCL

MARVIN K BROWN AUTO CENTER (Continued) **S108213352**

Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Violations Active Permits:

Facility Id: 205547
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV1013
Violation: HMBP NOT AVAILABLE FOR REVIEW
Violation Citation: Copy of HMBP not onsite for inspector's review. 25505(e)
Activity: ACTIVE

Facility Id: 205547
Update Date: 11/02/2012
Inspection Date: 04/10/2007
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

Facility Id: 205547
Update Date: 11/02/2012
Inspection Date: 04/10/2007
Violation Code: 6HV1012
Violation: SPCC PLAN NOT PREPARED
Violation Citation: Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity: ACTIVE

Facility Id: 205547
Update Date: 11/02/2012
Inspection Date: 03/27/2012
Violation Code: 6HV0135
Violation: MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation: Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity: ACTIVE

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70 **MARVIN K BROWN CADILLAC** **CA RGA LUST** **S114648438**
1441 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA

RGA LUST:

1994	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO SOUTH
1993	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO SOUTH
1992	MARVIN K BROWN CADILLAC	1441 CAMINO DEL RIO SOUTH

70 **BROWN, MARVIN** **CA RGA LUST** **S114587316**
1441 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA

RGA LUST:

1994	BROWN, MARVIN	1441 CAMINO DEL RIO SOUTH
1993	BROWN, MARVIN	1441 CAMINO DEL RIO SOUTH

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70 **ULTA BEAUTY 588** **CA HAZNET** **S117311620**
1072 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117311620
Year:	2013
GEPAID:	CAL000388894
Contact:	NEDRA ALLEN
Telephone:	6304104814
Mailing Name:	Not reported
Mailing Address:	1000 REMINGTON BLVD, SUITE 120
Mailing City,St,Zip:	BOLINGBROOK, IL 60440
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.013
Facility County:	Not reported

envid:	S117311620
Year:	2013
GEPAID:	CAL000388894
Contact:	NEDRA ALLEN
Telephone:	6304104814
Mailing Name:	Not reported
Mailing Address:	1000 REMINGTON BLVD, SUITE 120
Mailing City,St,Zip:	BOLINGBROOK, IL 60440
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0035
Facility County:	Not reported

envid:	S117311620
Year:	2013
GEPAID:	CAL000388894
Contact:	NEDRA ALLEN
Telephone:	6304104814
Mailing Name:	Not reported
Mailing Address:	1000 REMINGTON BLVD, SUITE 120
Mailing City,St,Zip:	BOLINGBROOK, IL 60440
Gen County:	San Diego
TSD EPA ID:	CAD008364432

ULTA BEAUTY 588 (Continued) **S117311620**

TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.199
Facility County:	Not reported
envid:	S117311620
Year:	2013
GEPAID:	CAL000388894
Contact:	NEDRA ALLEN
Telephone:	6304104814
Mailing Name:	Not reported
Mailing Address:	1000 REMINGTON BLVD, SUITE 120
Mailing City,St,Zip:	BOLINGBROOK, IL 60440
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.007
Facility County:	Not reported

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70 **RADISSON HOTEL SAN DIEGO** **CA SLIC** **S106915863**
1433 CAMINO DEL RIO S **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/12/2001
Global Id:	T0608115542
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H26190-001
Latitude:	32.764977
Longitude:	-117.150337
Case Type:	Cleanup Program Site
Case Worker:	EM
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. SAM:

Case Number:	H26190-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	11/12/2001
Date Began:	8/13/1999

70 **SHERATON SAN DIEGO HOTEL, MISSION VALLEY** **CA San Diego Co. HMMD** **S106062415**
1433 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	126190
Business Type:	6HK41
EPA Id Number:	Not reported
APN:	438-090-32-00
Last HMMD Inspection:	02/23/2006
Permit Status:	CHNG
Permit Expiration:	04/30/2008
Facility Owner:	MIP'S SAN DIEGO LLC
Facility Address:	1433 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3521
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	208811
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	438-090-32-00
Last HMMD Inspection:	04/30/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	ASHFORD TRS NICKEL
Facility Address:	14185 DALLAS PKWY #1150
Facility City:	DALLAS
Facility State:	TX
Facility Zip:	75254
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	208811
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL FUEL OIL NO. 2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	208811
Update Date:	11/02/2012
Inspection Date:	08/31/2009

SHERATON SAN DIEGO HOTEL, MISSION VALLEY (Continued) **S106062415**

Violation Code:	6HV1015
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Did not have adequate employee training program 2732 &/or 25504(c)
Activity:	ACTIVE
Facility Id:	208811
Update Date:	11/02/2012
Inspection Date:	08/03/2007
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE
Facility Id:	208811
Update Date:	11/02/2012
Inspection Date:	08/31/2009
Violation Code:	6HV1016
Violation:	ER RESPONSE PLAN NOT ADEQUATE
Violation Citation:	Failure to have an adequate emergency response plan 25504 (b); 2731
Activity:	ACTIVE
Facility Id:	208811
Update Date:	11/02/2012
Inspection Date:	08/03/2007
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector’s review. 25505(e)
Activity:	ACTIVE

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70 **RADISSON HOTEL SAN DIEGO** **CA RGA LUST** **S114673763**
1433 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2007	RADISSON HOTEL SAN DIEGO	1433 CAMINO DEL RIO S
2006	RADISSON HOTEL SAN DIEGO	1433 CAMINO DEL RIO S
2005	RADISSON HOTEL SAN DIEGO	1433 CAMINO DEL RIO S

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70 **CHAPPARONE COLLISION CENTERS** **CA HAZNET** **S113027469**
1461 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113027469
Year:	1996
GEPAID:	CAL000016587
Contact:	MARK CHAPPARONE/GARRY CONNOLLY
Telephone:	6192988111
Mailing Name:	Not reported
Mailing Address:	1461 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083521
Gen County:	Not reported
TSD EPA ID:	CAD000088252
TSD County:	Not reported

CHAPPARONE COLLISION CENTERS (Continued) **S113027469**

Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .6255
Facility County: San Diego

envid: S113027469
Year: 1995
GEPAID: CAL000016587
Contact: MARK CHAPPARONE/GARRY CONNOLLY
Telephone: 6192988111
Mailing Name: Not reported
Mailing Address: 1461 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .6671
Facility County: San Diego

envid: S113027469
Year: 1995
GEPAID: CAL000016587
Contact: MARK CHAPPARONE/GARRY CONNOLLY
Telephone: 6192988111
Mailing Name: Not reported
Mailing Address: 1461 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: .2085
Facility County: San Diego

envid: S113027469
Year: 1994
GEPAID: CAL000016587
Contact: MARK CHAPPARONE/GARRY CONNOLLY
Telephone: 6192988111
Mailing Name: Not reported
Mailing Address: 1461 CAMINO DEL RIO S
Mailing City,St,Zip: SAN DIEGO, CA 921083521
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: .2418
Facility County: San Diego

envid: S113027469
Year: 1993
GEPAID: CAL000016587
Contact: MARK CHAPPARONE/GARRY CONNOLLY

CHAPPARONE COLLISION CENTERS (Continued) **S113027469**

Telephone:	6192988111
Mailing Name:	Not reported
Mailing Address:	1461 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083521
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	0.62960000000
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **JOHN HINE PONTIAC MAZDA** **CA RGA LUST** **S114637794**
1545 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA

RGA LUST:

1994	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO SOUTH
1993	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO SOUTH
1992	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO SOUTH

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70 **JOHN HINE PONTIAC MAZDA** **CA RGA LUST** **S114637795**
1545 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2012	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2011	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2010	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2009	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2008	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2007	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2006	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2005	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2004	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2003	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2002	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2001	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
2000	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
1998	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
1997	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
1996	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S
1995	JOHN HINE PONTIAC MAZDA	1545 CAMINO DEL RIO S

70 **JOHN HINE MAZDA** **FINDS** **1016429331**
1545 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110055799159

Environmental Interest/Information System
STATE MASTER

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70 **JOHN HINE AUTO AND TRUCK CENTER** **FINDS** **1007678065**
1545 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110017951144

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

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70 **EDR US Hist Auto Stat** **1015245910**
1545 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: HINE PONTIAC MAZDA CHRYSLER PLYMOUTH BODY SHOP
Year: 1999
Address: 1545 CAMINO DEL RIO S

Name: HINE PONTIAC MAZDA CHRYSLER PLYMOUTH BODY SHOP
Year: 2000
Address: 1545 CAMINO DEL RIO S

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70 **JOHN HINE MAZDA** **CA HIST CORTESE** **1000305199**
1545 CAMINO DEL RIO **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA HIST UST**
CA San Diego Co. HMMD

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1392

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1392

JOHN HINE MAZDA (Continued) **1000305199**

Local Case: H03389-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 02/03/1989
Date Stopped: 02/03/1989
Confirm Date: 02/02/1989
Submit Workplan: Not reported
Prelim Assess: 06/06/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/06/1989
Enforce Date: Not reported
Closed Date: 5/30/90
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: Not reported
GW Depth: >10'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST UST:
Region: STATE
Facility ID: 00000000719
Facility Type: Other
Other Type: AUTOMOBILE SALES & S
Contact Name: JOHN HINE
Telephone: 6192974251
Owner Name: JOHN HINE PONTIAC
Owner Address: 1545 CAMINO DEL RIO SOUTH
Owner City,St,Zip: SAN DIEGO, CA 92108
Total Tanks: 0006

Tank Num: 001
Container Num: 1
Year Installed: 1965
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002

JOHN HINE MAZDA (Continued) **1000305199**

Container Num:	2
Year Installed:	1965
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1965
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	004
Container Num:	4
Year Installed:	1965
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	005
Container Num:	5
Year Installed:	1965
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	6
Year Installed:	1965
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

SAN DIEGO CO. HMMD:

Facility Id:	103389
Business Type:	6HK31
EPA Id Number:	CAD 981374
APN:	438-090-24-00
Last HMMD Inspection:	08/16/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	JOHN HINE
Facility Address:	1545 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108

JOHN HINE MAZDA (Continued) **1000305199**

UST Owner:	JOHN HINE PONTIAC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	N
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103389 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	4000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-04-17 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 103389 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-04-17 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 103389 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-02-02 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

JOHN HINE MAZDA (Continued) **1000305199**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103389 T004
Last Update: 2012-11-02 14:17:38
Permit Number: 103389
Tank Type: SINGLE WALL
Additional Id: 4
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1989-03-02 00:00:00
Year Installed: 1965-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103389 T005
Last Update: 2012-11-02 14:17:38
Permit Number: 103389
Tank Type: UNKNOWN
Additional Id: 5
Capacity Gallons: 4000
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1988-02-26 00:00:00
Year Installed: 1965-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103389 T006
Last Update: 2012-11-02 14:17:38
Permit Number: 103389
Tank Type: SINGLE WALL
Additional Id: 6
Capacity Gallons: 2000
UST Contents: Not reported
Other Content Info: AUTO TRANSMISSION FLUID
Reg Status: REMOVED
Remove Close Date: 1988-02-26 00:00:00
Year Installed: 1965-01-01 00:00:00
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 103389 T007
Last Update: 2012-11-02 14:17:38
Permit Number: 103389
Tank Type: DOUBLE WALL

JOHN HINE MAZDA (Continued) **1000305199**

Additional Id:	AT4834
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-02-26 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	647-425-47
Name:	OIL, LUBRICATING: MOTOR OIL, TRANSMISSION FLUID, GREASE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	WASTE BRAKE FLUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE

JOHN HINE MAZDA (Continued) **1000305199**

Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, 02; COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP SLUDGE/ JET WSHRS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 811-97-2
Name: 1,1,1,2- TETRAFLUOROETHANE
Other Information: R134A
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 84133-50-6
Name: CAR WASH SOAP
Other Information: MISSION WASHER FLUID
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS PARTS WASHERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389

JOHN HINE MAZDA (Continued) **1000305199**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON, AR; CARBON DIOXIDE, CO2: COMPRESSED GASES
Other Information:	MIG WELDER
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 252 STILL BOTTOM WASTE (OTHER)
Other Information:	PAINT WASTE CHIP
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)

JOHN HINE MAZDA (Continued) **1000305199**

Other Information: PNT BOOTH FLTRS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT SOLVENT/LACQUER THINNER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/24/2006
Violation Code: 6HV0224
Violation: MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation: Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/24/2006
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/24/2006
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 02/25/2005
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT

JOHN HINE MAZDA (Continued) **1000305199**

Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/08/2003
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0221
Violation:	DID NOT COMPLY W/SATELLITE REGS.
Violation Citation:	Failed to comply with satellite regulations. 66262.34(e)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0146
Violation:	NO ERM EXEMPTION CLAIM DOCUMENTS
Violation Citation:	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	01/05/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

JOHN HINE MAZDA (Continued) **1000305199**

Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE

Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0235
Violation:	WASTE NOT ACCUMULATED IN CONTAINER/TANK
Violation Citation:	Did not accumulate waste in container or tank. 66262.34(a)(1)
Activity:	ACTIVE

Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	103389
Business Type:	6HK31
EPA Id Number:	CAD 981374
APN:	438-090-24-00
Last HMMD Inspection:	08/16/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	JOHN HINE
Facility Address:	1545 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	JOHN HINE PONTIAC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103389 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	4000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED

JOHN HINE MAZDA (Continued) **1000305199**

Remove Close Date:	1989-04-17 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 103389 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1989-04-17 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 103389 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-02-02 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103389 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-03-02 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

JOHN HINE MAZDA (Continued) **1000305199**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103389 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	4000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1988-02-26 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103389 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1988-02-26 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103389 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	DOUBLE WALL
Additional Id:	AT4834
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-02-26 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported

JOHN HINE MAZDA (Continued) **1000305199**

Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	647-425-47
Name:	OIL, LUBRICATING: MOTOR OIL, TRANSMISSION FLUID, GREASE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	WASTE BRAKE FLUID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, 02; COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information:	SUMP SLUDGE/ JET WSHRS
Material Waste:	Waste

JOHN HINE MAZDA (Continued) **1000305199**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 811-97-2
Name: 1,1,1,2- TETRAFLUOROETHANE
Other Information: R134A
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 84133-50-6
Name: CAR WASH SOAP
Other Information: MISSION WASHER FLUID
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: AQUEOUS PARTS WASHERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information: OILY ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: ARGON, AR; CARBON DIOXIDE, CO2: COMPRESSED GASES
Other Information: MIG WELDER
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

JOHN HINE MAZDA (Continued) **1000305199**

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 252 STILL BOTTOM WASTE (OTHER)
Other Information:	PAINT WASTE CHIP
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	PNT BOOTH FLTRS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT SOLVENT/LACQUER THINNER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported

JOHN HINE MAZDA (Continued) **1000305199**

Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/24/2006
Violation Code: 6HV0224
Violation: MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation: Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/24/2006
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/24/2006
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 02/25/2005
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/08/2003
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Facility Id: 103389
Update Date: 11/02/2012
Inspection Date: 07/24/2006
Violation Code: 6HV0221
Violation: DID NOT COMPLY W/SATELLITE REGS.

JOHN HINE MAZDA (Continued) **1000305199**

Violation Citation:	Failed to comply with satellite regulations. 66262.34(e)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0146
Violation:	NO ERM EXEMPTION CLAIM DOCUMENTS
Violation Citation:	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	01/05/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0235
Violation:	WASTE NOT ACCUMULATED IN CONTAINER/TANK
Violation Citation:	Did not accumulate waste in container or tank. 66262.34(a)(1)
Activity:	ACTIVE

JOHN HINE MAZDA (Continued) **1000305199**

Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	103389
Business Type:	6HK31
EPA Id Number:	CAD 981374
APN:	438-090-24-00
Last HMMD Inspection:	08/16/2011
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	JOHN HINE
Facility Address:	1545 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	JOHN HINE PONTIAC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	N
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 103389 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	4000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-04-17 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 103389 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED

JOHN HINE MAZDA (Continued) **1000305199**

Remove Close Date:	1989-04-17 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	10
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/POS SHUTOFF LLD W/DAILY RECONCILE OR WEEKLY GAUGE: TNK TEST ANN, PIPE TEST ANN 0.1 GAL/HR OR MO 0.2 GAL/HR
UST Name:	UNDERGROUND TANK 103389 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-02-02 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103389 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-03-02 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103389 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	4000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1988-02-26 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

JOHN HINE MAZDA (Continued) **1000305199**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103389 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	SINGLE WALL
Additional Id:	6
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	AUTO TRANSMISSION FLUID
Reg Status:	REMOVED
Remove Close Date:	1988-02-26 00:00:00
Year Installed:	1965-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103389 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	103389
Tank Type:	DOUBLE WALL
Additional Id:	AT4834
Capacity Gallons:	4000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2003-02-26 00:00:00
Year Installed:	1989-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	GASOLINE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012

JOHN HINE MAZDA (Continued) **1000305199**

Case Number: 647-425-47
Name: OIL, LUBRICATING: MOTOR OIL, TRANSMISSION FLUID, GREASE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: WASTE BRAKE FLUID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, 02; COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 222 OIL/WATER SEPARATION SLUDGE
Other Information: SUMP SLUDGE/ JET WSHRS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 811-97-2
Name: 1,1,1,2- TETRAFLUOROETHANE
Other Information: R134A
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 103389
Update Date: 11/02/2012
Case Number: 84133-50-6
Name: CAR WASH SOAP
Other Information: MISSION WASHER FLUID

JOHN HINE MAZDA (Continued) **1000305199**

Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	AQUEOUS PARTS WASHERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON, AR; CARBON DIOXIDE, CO2: COMPRESSED GASES
Other Information:	MIG WELDER
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 252 STILL BOTTOM WASTE (OTHER)
Other Information:	PAINT WASTE CHIP
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

JOHN HINE MAZDA (Continued) **1000305199**

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	WASTE GASOLINE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	PNT BOOTH FLTRS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT SOLVENT/LACQUER THINNER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103389
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	DRAINED USED OIL FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE

Facility Id:	103389
Update Date:	11/02/2012

JOHN HINE MAZDA (Continued) **1000305199**

Inspection Date:	07/24/2006
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	02/25/2005
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/08/2003
Violation Code:	6HV0210
Violation:	DID NOT CLEAN SPILL TO FLOOR
Violation Citation:	Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0221
Violation:	DID NOT COMPLY W/SATELLITE REGS.
Violation Citation:	Failed to comply with satellite regulations. 66262.34(e)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0146
Violation:	NO ERM EXEMPTION CLAIM DOCUMENTS

JOHN HINE MAZDA (Continued) **1000305199**

Violation Citation:	Failed to have adequate records demonstrating claim of exemption for Excluded Recyclable Material (ERM). 25143.2(f) & 66261.2(g)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0223
Violation:	MISMANAGED NON-EMPTY CONTAINER/LINER
Violation Citation:	Failed to properly manage non-empty container or inner liner removed from a container. 66261.7 (b), (d) &/or (r)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	01/05/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	07/24/2006
Violation Code:	6HV0235
Violation:	WASTE NOT ACCUMULATED IN CONTAINER/TANK
Violation Citation:	Did not accumulate waste in container or tank. 66262.34(a)(1)
Activity:	ACTIVE
Facility Id:	103389
Update Date:	11/02/2012
Inspection Date:	04/15/2008
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

70 **JOHN HINE PONTIAC MAZDA** **CA LUST** **U003789121**
1545 CAMINO DEL RIO S **CA UST** **N/A**
SAN DIEGO, CA 92108 **CA SWEEPS UST**
CA AST
CA SAN DIEGO CO. SAM

LUST:

Region:	STATE
Global Id:	T0607300232
Latitude:	32.765877
Longitude:	-117.146884
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/30/1990
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1392
LOC Case Number:	H03389-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300232
Status:	Completed - Case Closed
Status Date:	05/30/1990

Global Id:	T0607300232
Status:	Open - Case Begin Date
Status Date:	02/02/1989

Regulatory Activities:

Global Id:	T0607300232
Action Type:	Other
Date:	02/02/1989
Action:	Leak Began

Global Id:	T0607300232
Action Type:	Other
Date:	02/02/1989
Action:	Leak Discovery

Global Id:	T0607300232
Action Type:	Other
Date:	02/02/1989
Action:	Leak Stopped

Global Id:	T0607300232
Action Type:	Other
Date:	02/02/1989
Action:	Leak Reported

UST:

Facility ID:	H03389

JOHN HINE PONTIAC MAZDA (Continued) **U003789121**

Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.76721
Longitude: -117.145528

SWEEPS UST:
Status: Active
Comp Number: 3389
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003389-000007
Tank Status: A
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

Status: Not reported
Comp Number: 3389
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003389-000001
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 6

Status: Not reported
Comp Number: 3389
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003389-000002
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported

JOHN HINE PONTIAC MAZDA (Continued) **U003789121**

Comp Number:	3389
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003389-000003
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	3389
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003389-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	3389
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003389-000005
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	OIL
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	3389
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported

JOHN HINE PONTIAC MAZDA (Continued) **U003789121**

Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003389-000006
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

AST:
Certified Unified Program Agencies: San Diego
Owner: JOHN HINE
Total Gallons: 9310

SAN DIEGO CO. SAM:
Case Number: H03389-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/30/1990
Date Began: 2/2/1989

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70 **JOHN HINE PONTIAC/MAZDA/DODGE** **CA HAZNET** **S113003976**
1545 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113003976
Year: 2013
GEPAID: CAD981374663
Contact: JERRY ANTOINE - SERVICE MGR
Telephone: 6192974251
Mailing Name: Not reported
Mailing Address: 1545 CAMINO DEL RIO SOUTH
Mailing City,St,Zip: SAN DIEGO, CA 921083522
Gen County: San Diego
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.18
Facility County: Not reported

envid: S113003976
Year: 2013
GEPAID: CAD981374663
Contact: JERRY ANTOINE - SERVICE MGR
Telephone: 6192974251
Mailing Name: Not reported
Mailing Address: 1545 CAMINO DEL RIO SOUTH
Mailing City,St,Zip: SAN DIEGO, CA 921083522
Gen County: San Diego
TSD EPA ID: TXD077603371
TSD County: 99

JOHN HINE PONTIAC/MAZDA/DODGE (Continued) **S113003976**

Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.225
Facility County:	Not reported

envid:	S113003976
Year:	2013
GEPAID:	CAD981374663
Contact:	JERRY ANTOINE - SERVICE MGR
Telephone:	6192974251
Mailing Name:	Not reported
Mailing Address:	1545 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921083522
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45
Facility County:	Not reported

envid:	S113003976
Year:	2013
GEPAID:	CAD981374663
Contact:	JERRY ANTOINE - SERVICE MGR
Telephone:	6192974251
Mailing Name:	Not reported
Mailing Address:	1545 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921083522
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.175
Facility County:	Not reported

envid:	S113003976
Year:	2013
GEPAID:	CAD981374663
Contact:	JERRY ANTOINE - SERVICE MGR
Telephone:	6192974251
Mailing Name:	Not reported
Mailing Address:	1545 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921083522
Gen County:	San Diego
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.004
Facility County:	Not reported

JOHN HINE PONTIAC/MAZDA/DODGE (Continued) **S113003976**

Click this hyperlink while viewing on your computer to access
304 additional CA_HAZNET: record(s) in the EDR Site Report.

70 **HINE JOHN PONTIAC MAZDA** **CA EMI** **1006826022**
1545 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 93388

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

HINE JOHN PONTIAC MAZDA (Continued) **1006826022**

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.12910675
Reactive Organic Gases Tons/Yr:	1.963695
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532

HINE JOHN PONTIAC MAZDA (Continued) **1006826022**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.12910675
Reactive Organic Gases Tons/Yr:	1.963695
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.66
Reactive Organic Gases Tons/Yr:	3.46
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.66
Reactive Organic Gases Tons/Yr:	3.46
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.66
Reactive Organic Gases Tons/Yr:	3.46
Carbon Monoxide Emissions Tons/Yr:	0

HINE JOHN PONTIAC MAZDA (Continued) **1006826022**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.6600000000000001
Reactive Organic Gases Tons/Yr:	3.46
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.6600000000000001
Reactive Organic Gases Tons/Yr:	3.46
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.66
Reactive Organic Gases Tons/Yr:	3.46
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2012

HINE JOHN PONTIAC MAZDA (Continued) **1006826022**

County Code:	37
Air Basin:	SD
Facility ID:	1495
Air District Name:	SD
SIC Code:	7532
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.66
Reactive Organic Gases Tons/Yr:	3.46
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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70 **SAN DIEGO AUTO CONNECTION** **CA HAZNET** **S117285144**
1561 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117285144
Year:	2013
GEPAID:	CAC002720277
Contact:	BRIAN EPPERSON
Telephone:	8585461222
Mailing Name:	Not reported
Mailing Address:	1561 CAMINO DEL RIO S
Mailing City,St,Zip:	SAN DIEGO, CA 921083522
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	4.17
Facility County:	Not reported

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70 **CHAPPARONE AUTOBODY & PAINTING** **CA San Diego Co. HMMD** **S106062325**
1461 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	125920
Business Type:	6HK27
EPA Id Number:	CAL000016587
APN:	DEH-125920
Last HMMD Inspection:	09/12/1997
Permit Status:	INAC
Permit Expiration:	09/12/1997
Facility Owner:	MARK CHAPPARONE
Facility Address:	1461 CAMINO DEL RIO S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3521
UST Owner:	Not reported

CHAPPARONE AUTOBODY & PAINTING (Continued) **S106062325**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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70 **TARGET STORE T1410** **RCRA-SQG** **1004677271**
1288 CAMINO DEL RIO N **CAR000095257**
SAN DIEGO, CA 92108

RCRA-SQG:
Date form received by agency: 03/01/2014
Facility name: TARGET STORE T1410
Facility address: 1288 CAMINO DEL RIO N
SAN DIEGO, CA 921081511
EPA ID: CAR000095257
Mailing address: PO BOX 111
MINNEAPOLIS, MN 55440
Contact: STEVE MUSSER
Contact address: PO BOX 111
MINNEAPOLIS, MN 55440
Contact country: Not reported
Contact telephone: (800) 587-2228
Contact email: POC@TARGET.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: TARGET CORPORATION
Owner/operator address: PO BOX 111
MINNEAPOLIS, MN 55440
Owner/operator country: Not reported
Owner/operator telephone: 800 5872228
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/28/2002
Owner/Op end date: Not reported

Owner/operator name: TARGET CORPORATION
Owner/operator address: PO BOX 111
MINNEAPOLIS, MN 55440
Owner/operator country: Not reported
Owner/operator telephone: (800) 587-2228
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/28/2002
Owner/Op end date: Not reported

Owner/operator name: TARGET CORPORATION
Owner/operator address: 1000 NICOLLET MALL
MINNEAPOLIS, MN 55403

TARGET STORE T1410 (Continued) **1004677271**

Owner/operator country: Not reported
Owner/operator telephone: (612) 761-1417
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

TARGET STORE T1410 (Continued) **1004677271**

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR) EPINEPHRINE

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U044
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U129

TARGET STORE T1410 (Continued) **1004677271**

. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U150
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U154
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U188
. Waste name: PHENOL

. Waste code: U200
. Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Historical Generators:
Date form received by agency: 04/11/2011
Site name: TARGET STORE NO 1410
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P046
. Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

TARGET STORE T1410 (Continued) **1004677271**

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Date form received by agency: 04/18/2001
Site name: TARGET
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

---

70 **MONTGOMERY WARD SVC CENTER** **CA LUST S103627419**
1288 CAMINO DEL RIO N **CA SWEEPS UST N/A**
SAN DIEGO, CA 92108

LUST:
Region: STATE
Global Id: T06019759260
Latitude: 32.7679163769478
Longitude: -117.153289318085
Case Type: LUST Cleanup Site
Status: Open - Eligible for Closure
Status Date: 12/20/2015
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: EM
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
LOC Case Number: H13036-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Gasoline
Site History: The site (Former Montgomery Ward Automobile Service Center location) is located at 1640Camino Del Rio North, San Diego, California, in a commercial area. The former petroleum fuel underground storage tanks (USTs) were located near the northern property boundary, adjacent to Camino De La Reina and the shopping center driveway entrance to the east. The property was previously operated as a Montgomery Ward Automotive Center with gasoline dispensing facilities (e.g., three USTs, their associated buried product and vapor recovery lines, and dispenser islands), hydraulic lifts, and a waste oil UST. All known components of the gasoline dispensing facility have been removed. The site has recently been redeveloped with two new buildings. The two buildings are occupied by restaurants and retail shops. The site is level and lies at an elevation of approximately 35 feet above mean sea level (MSL). PREVIOUS ENVIRONMENTAL ACTIVITIES September of 1986, three 10,000-gallon petroleum fuel USTs and one 550-gallon waste-oil UST were removed from the subject site. Based on observation at the time of UST removal, nounauthorized release case was opened. January

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

2006, Ami Adini&Associates (AA&A) supervised the drilling of soil borings B1 through B24. Soil samples were collected at 5, 10, 15 and 20 feet bgs from each boring to assess the lateral and vertical extent of gasoline impact reported in a Phase II environmental site assessment performed in 2001. AA&A identified petroleum hydrocarbon impact in the vicinity of what were believed to be the former fuel UST and dispenser island locations along the north side of the former automobile center building (AA&A, February 2006). Additionally, groundwater grab samples were collected at six locations (B7, B8, B11, B12, B15, and B20). Soil and groundwater grab samples were analyzed for TPHg, TPHd, and TPHo using EPA Test Method 8015 modified. Soil samples were also analyzed for volatile organic compounds (VOCs), BTEX, MTBE and other fuel oxygenates using EPA Test Method 8260B. July 2006, AA&A supervised the drilling of soil borings B25 through B43 to 20 feet bgs and soil samples were collected from each borehole. Ten of the soil borings were completed as groundwater monitoring wells (MW-1 through MW-10). Selected soil and groundwater samples were analyzed for TPHg, TPHd TPHo, BTEX, MTBE, and other constituents. Soil and groundwater analytical results are summarized on Tables 1 and 2, respectively. AA&A concluded soil impact was present predominantly on-site and primarily in a smear zone from 13 to 20 feet bgs. Dissolved hydrocarbon concentrations in groundwater, were delineated to the north and south, and separate-phase hydrocarbons (SPH) and gasoline oxygenates (including MTBE) were not detected at the site in soil or groundwater. After reviewing the AA&A conclusions and recommendations, the SAM requested a work plan for quarterly groundwater sampling and additional soil and groundwater delineation. A work plan dated October 31, 2006, was submitted by AA&A for the excavation of soil in the area of the proposed buildings. A subsequent/replacement work plan dated January 4, 2007, was submitted by SECOR for assessment and interim remedial activities, and approved by the SAM in a letter dated February 26, 2007. June 2007, SECOR sampled groundwater from MW-4 through MW-10. Dissolved GRO concentrations were reported in MW-5 through MW-7. One or more of benzene, ethylbenzene and xylenes were reported in MW-6 and MW-7. No MTBE concentrations above laboratory reporting limits (LRLs) were reported for any of the monitoring wells sampled. Quarterly groundwater monitoring and sampling has been conducted at the site since July 2006. From January 15 through 25, 2007, hydrocarbon-impacted soil was excavated from two areas of the site. Soil was temporarily stockpiled, sampled, and soil samples were analyzed for petroleum constituents, and removed from the site. Excavation activities in the western portion of the site (western excavation) were performed as part of the grading activities at the site. Excavation activities took place in the eastern portion of the site (eastern excavation) for installation of the grease interceptors and removal of hydrocarbon impacted soil identified during previous assessment activities. REVIEW OF PREVIOUS ASSESSMENT REPORTS AND AERIAL PHOTOGRAPH RESEARCH In the course of conducting remedial excavation activities, steel piping and soil impacted with hydrocarbons were encountered, particularly in the southern half of the eastern excavation. The steel piping was approximately 2 feet bgs and was removed. Based on the quantity and diameter, the piping appeared to be the remains of product lines and UST vent piping. The level of hydrocarbon impact encountered was surprising since previous assessment reports had not identified any known or suspected source in the eastern excavation area. A review of previous assessment

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

reports and aerial photographs was performed to evaluate possible historical locations of UST components that had not been identified in previous documents for the site. SECOR (now Stantec) and EnviroApplications personnel, reviewed data to evaluate the historical site layout, available analytical data and sample locations, agency database records, and aerial photographs. Two similarly sized concrete pads to the north and east of the former building were observed in aerial photographs and likely represent former dispenser islands. The USTs were most likely between concrete pads, in the northwest corner. The locations of the USTs and dispenser islands appear to have been incorrectly identified in previous reports for the site. In aerial photographs, a square concrete pad immediately north of the building is present with a discolored oval-oblong shape in the center, which appears to correspond to a dispenser island footprint. Additionally, a concrete square pad similar in size and with a discolored oval-oblong shape can be seen on the eastern side of the building in the location of the eastern excavation. This data in conjunction with field observations is believed to be sufficient to conclude that a second dispenser island was located on the east side of the former Montgomery Ward Automobile Center, and that the USTs were located further east than has been documented in previous assessment reports. CAP submitted 2014 for NFA. Concur with Closure. ITC letter sent out 12/20/2014

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T06019759260
Contact Type:	Local Agency Caseworker
Contact Name:	EWAN MOFFAT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ewan.moffat@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T06019759260
Status:	Open - Eligible for Closure
Status Date:	12/30/2014
Global Id:	T06019759260
Status:	Open - Eligible for Closure
Status Date:	12/20/2015
Global Id:	T06019759260
Status:	Open - Case Begin Date
Status Date:	10/01/2001
Global Id:	T06019759260
Status:	Open - Remediation
Status Date:	10/03/2005

Regulatory Activities:

Global Id:	T06019759260
Action Type:	ENFORCEMENT

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

Date: 05/14/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 12/20/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 03/05/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 08/05/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: Other
Date: 09/01/1986
Action: Leak Began

Global Id: T06019759260
Action Type: RESPONSE
Date: 10/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T06019759260
Action Type: RESPONSE
Date: 12/17/2012
Action: Sensitive Receptor Survey Report - Regulator Responded

Global Id: T06019759260
Action Type: RESPONSE
Date: 02/20/2014
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 07/06/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 08/22/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: Other
Date: 10/01/2001
Action: Leak Discovery

Global Id: T06019759260
Action Type: REMEDIATION
Date: 01/15/2007
Action: Excavation

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 03/21/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: RESPONSE
Date: 04/21/2011
Action: Site Assessment Report

Global Id: T06019759260
Action Type: Other
Date: 09/01/1986
Action: Leak Stopped

Global Id: T06019759260
Action Type: RESPONSE
Date: 01/30/2012
Action: Monitoring Report - Semi-Annually

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 10/03/2005
Action: Notice of Responsibility

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 01/03/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: Other
Date: 08/02/2005
Action: Leak Reported

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 08/23/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: RESPONSE
Date: 01/31/2013
Action: Monitoring Report - Semi-Annually

Global Id: T06019759260
Action Type: ENFORCEMENT
Date: 08/06/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T06019759260
Action Type: RESPONSE
Date: 06/30/2009
Action: Other Report / Document

Global Id: T06019759260
Action Type: RESPONSE

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

Date:	07/30/2008
Action:	Monitoring Report - Semi-Annually
Global Id:	T06019759260
Action Type:	RESPONSE
Date:	10/30/2013
Action:	Monitoring Report - Semi-Annually
Global Id:	T06019759260
Action Type:	ENFORCEMENT
Date:	07/09/2009
Action:	Letter - Notice
Global Id:	T06019759260
Action Type:	ENFORCEMENT
Date:	02/20/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019759260
Action Type:	ENFORCEMENT
Date:	03/06/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019759260
Action Type:	ENFORCEMENT
Date:	01/19/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019759260
Action Type:	ENFORCEMENT
Date:	01/20/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019759260
Action Type:	ENFORCEMENT
Date:	11/04/2009
Action:	Technical Correspondence / Assistance / Other
Global Id:	T06019759260
Action Type:	ENFORCEMENT
Date:	12/02/2010
Action:	Letter - Notice
Global Id:	T06019759260
Action Type:	RESPONSE
Date:	12/18/2009
Action:	Soil and Water Investigation Workplan
Global Id:	T06019759260
Action Type:	RESPONSE
Date:	10/30/2009
Action:	Monitoring Report - Quarterly
Global Id:	T06019759260
Action Type:	RESPONSE
Date:	10/01/2008
Action:	Soil and Water Investigation Report

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

Global Id: T06019759260
Action Type: RESPONSE
Date: 01/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019759260
Action Type: RESPONSE
Date: 11/30/2008
Action: Monitoring Report - Semi-Annually

Global Id: T06019759260
Action Type: RESPONSE
Date: 10/30/2009
Action: Monitoring Report - Quarterly

Global Id: T06019759260
Action Type: RESPONSE
Date: 04/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T06019759260
Action Type: RESPONSE
Date: 07/30/2010
Action: Site Assessment Report - Regulator Responded

Global Id: T06019759260
Action Type: RESPONSE
Date: 07/30/2011
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T06019759260
Action Type: RESPONSE
Date: 08/12/2011
Action: Other Report / Document - Regulator Responded

Global Id: T06019759260
Action Type: RESPONSE
Date: 07/30/2012
Action: Monitoring Report - Semi-Annually - Regulator Responded

SWEEPS UST:
Status: Active
Comp Number: 13036
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13036
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013036-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 13036
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013036-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13036
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013036-000003
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13036
Number: Not reported
Board Of Equalization: Not reported

MONTGOMERY WARD SVC CENTER (Continued) **S103627419**

Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013036-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

---

70 **TARGET T1410** **RCRA-LQG 1014386761**
1288 CAMINO DEL RIO N **FINDS CAL000261262**
SAN DIEGO, CA 92108

RCRA-LQG:

Date form received by agency:	06/24/2010
Facility name:	TARGET #1410
Facility address:	1288 CAMINO DEL RIO N SAN DIEGO, CA 92108
EPA ID:	CAL000261262
Mailing address:	P.O. BOX 111 MINNEAPOLIS, MN 55440
Contact:	JANNA ADAIR-POTTS
Contact address:	P.O. BOX 111 MINNEAPOLIS, MN 55440
Contact country:	US
Contact telephone:	(800) 587-2228
Contact email:	CORPORATE.COMPLIANCE@TARGET.COM
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	TARGET CORPORATION
Owner/operator address:	1000 NICOLLET MALL MINNEAPOLIS, MN 55403
Owner/operator country:	US
Owner/operator telephone:	(800) 587-2228
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/24/2002
Owner/Op end date:	Not reported

TARGET T1410 (Continued) **1014386761**

Owner/operator name: TARGET CORPORATION
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/24/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: 122

. Waste code: 123
. Waste name: 123

. Waste code: 141
. Waste name: 141

. Waste code: 181
. Waste name: 181

. Waste code: 214
. Waste name: 214

. Waste code: 291
. Waste name: 291

. Waste code: 311
. Waste name: 311

. Waste code: 331
. Waste name: 331

. Waste code: 561
. Waste name: 561

. Waste code: 791
. Waste name: 791

TARGET T1410 (Continued) **1014386761**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P046
. Waste name: ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE (OR) BENZENEETHANAMINE, ALPHA, ALPHA-DIMETHYL-

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U240
. Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Violation Status: No violations found

FINDS:

Registry ID: 110012196612

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

Registry ID: 110055799257

Environmental Interest/Information System
STATE MASTER

70 **TARGET STORE T-1410** **CA HAZNET** **S113122877**
1288 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113122877
Year:	2011
GEPAID:	CAL000261262
Contact:	Corporate Complaince
Telephone:	8005872228
Mailing Name:	Not reported
Mailing Address:	PO BOX 111
Mailing City,St,Zip:	MINNEAPOLIS, MN 554400111
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Facility County:	San Diego

envid:	S113122877
Year:	2011
GEPAID:	CAL000261262
Contact:	Corporate Complaince
Telephone:	8005872228
Mailing Name:	Not reported
Mailing Address:	PO BOX 111
Mailing City,St,Zip:	MINNEAPOLIS, MN 554400111
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Facility County:	San Diego

envid:	S113122877
Year:	2011
GEPAID:	CAL000261262
Contact:	Corporate Complaince
Telephone:	8005872228
Mailing Name:	Not reported
Mailing Address:	PO BOX 111
Mailing City,St,Zip:	MINNEAPOLIS, MN 554400111
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	Not reported
Facility County:	San Diego

envid:	S113122877
Year:	2011
GEPAID:	CAL000261262

TARGET STORE T-1410 (Continued) **S113122877**

Contact:	Corporate Complaince
Telephone:	8005872228
Mailing Name:	Not reported
Mailing Address:	PO BOX 111
Mailing City,St,Zip:	MINNEAPOLIS, MN 554400111
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	Not reported
Facility County:	San Diego

envid:	S113122877
Year:	2011
GEPAID:	CAL000261262
Contact:	Corporate Complaince
Telephone:	8005872228
Mailing Name:	Not reported
Mailing Address:	PO BOX 111
Mailing City,St,Zip:	MINNEAPOLIS, MN 554400111
Gen County:	Not reported
TSD EPA ID:	AZD081705402
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.564
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
67 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **MONTGOMERY WARD AUTO EXPRESS #1532** **CA HAZNET** **S113028738**
1288 CAMINO DEL RIO NO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113028738
Year:	2001
GEPAID:	CAL000020168
Contact:	MURRAY SLAY
Telephone:	6196925457
Mailing Name:	Not reported
Mailing Address:	MONTGOMERY WARD PLAZA 8-C
Mailing City,St,Zip:	CHICAGO, IL 606712429
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.04
Facility County:	San Diego

envid:	S113028738
Year:	2001
GEPAID:	CAL000020168

MONTGOMERY WARD AUTO EXPRESS #1532 (Continued) **S113028738**

Contact: MURRAY SLAY
Telephone: 6196925457
Mailing Name: Not reported
Mailing Address: MONTGOMERY WARD PLAZA 8-C
Mailing City,St,Zip: CHICAGO, IL 606712429
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: 0
Facility County: San Diego

envid: S113028738
Year: 2000
GEPAID: CAL000020168
Contact: MURRAY SLAY
Telephone: 6196925457
Mailing Name: Not reported
Mailing Address: MONTGOMERY WARD PLAZA 8-C
Mailing City,St,Zip: CHICAGO, IL 606712429
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: 0.03
Facility County: San Diego

envid: S113028738
Year: 1999
GEPAID: CAL000020168
Contact: MONTGOMERY WARD
Telephone: 3124673644
Mailing Name: Not reported
Mailing Address: MONTGOMERY WARD PLAZA 8-C
Mailing City,St,Zip: CHICAGO, IL 606712429
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .1750
Facility County: San Diego

envid: S113028738
Year: 1998
GEPAID: CAL000020168
Contact: MONTGOMERY WARD
Telephone: 3124673644
Mailing Name: Not reported
Mailing Address: MONTGOMERY WARD PLAZA 8-C
Mailing City,St,Zip: CHICAGO, IL 606712429
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Oil/water separation sludge

MONTGOMERY WARD AUTO EXPRESS #1532 (Continued) **S113028738**

Disposal Method: Transfer Station
Tons: 4.1533
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **TARGET STORE #1410** **CA HAZNET** **S113803394**
1288 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113803394
Year: 2013
GEPAID: CAR000095257
Contact: Steve Musser
Telephone: 8005872228
Mailing Name: Not reported
Mailing Address: PO BOX 111
Mailing City,St,Zip: MINNEAPOLIS, MN 554400111
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0535
Facility County: Not reported

envid: S113803394
Year: 2013
GEPAID: CAR000095257
Contact: Steve Musser
Telephone: 8005872228
Mailing Name: Not reported
Mailing Address: PO BOX 111
Mailing City,St,Zip: MINNEAPOLIS, MN 554400111
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.155
Facility County: Not reported

envid: S113803394
Year: 2013
GEPAID: CAR000095257
Contact: Steve Musser
Telephone: 8005872228
Mailing Name: Not reported
Mailing Address: PO BOX 111
Mailing City,St,Zip: MINNEAPOLIS, MN 554400111
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

TARGET STORE #1410 (Continued) **S113803394**

(H010-H129) Or (H131-H135)
Tons: 1.007
Facility County: Not reported

envid: S113803394
Year: 2013
GEPAID: CAR000095257
Contact: Steve Musser
Telephone: 8005872228
Mailing Name: Not reported
Mailing Address: PO BOX 111
Mailing City,St,Zip: MINNEAPOLIS, MN 554400111
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.18
Facility County: Not reported

envid: S113803394
Year: 2013
GEPAID: CAR000095257
Contact: Steve Musser
Telephone: 8005872228
Mailing Name: Not reported
Mailing Address: PO BOX 111
Mailing City,St,Zip: MINNEAPOLIS, MN 554400111
Gen County: San Diego
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0415
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
21 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **FORMER MONTGOMERY WARDS** **CA SAN DIEGO CO. SAM** **S107619805**
1288 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. SAM:
Case Number: H13036-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Remedial Investigation
Date: 8/4/2005
Date Began: 10/1/2001

70 **STEVE P. RADOS INC.** **CA San Diego Co. HMMD** **S104755086**
5005 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	135592
Business Type:	6HK70
EPA Id Number:	Not reported
APN:	DEH-135592
Last HMMD Inspection:	12/03/1997
Permit Status:	INAC
Permit Expiration:	12/03/1997
Facility Owner:	ALEXANDER S.RADOS
Facility Address:	2002 E MCFADDEN AVE 200
Facility City:	SANTA ANA
Facility State:	CA
Facility Zip:	92735-0128
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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70 **MISSION VALLEY PARTNERSHIP** **CA HAZNET** **S112889161**
5040 MISSION CTR RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112889161
Year:	1998
GEPAID:	CAC001410792
Contact:	MISSION VALLEY PARTNERSHIP
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1640 CAMINO DEL RIO NORTH #1290
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	102.8216
Facility County:	San Diego

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70 **UNOCAL SERV STATION #4862** **CA LUST** **S101308197**
5050 MISSION CENTER RD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92108 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT2678
Local Case:	H00591-003
Substance:	Waste Oil
Qty Leaked:	Not reported

UNOCAL SERV STATION #4862 (Continued) **S101308197**

Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 01/26/1994
Date Stopped: 01/26/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 01/26/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/26/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >12'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 591
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000591-000001
Tank Status: A
Capacity: 280
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 3

Status: Active
Comp Number: 591
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88

UNOCAL SERV STATION #4862 (Continued) **S101308197**

Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000591-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 591
Number: 9
Board Of Equalization: 44-000051
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000591-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 100591
Business Type: Not reported
EPA Id Number: CAL000046482
APN: 438-020-42-00
Last HMMD Inspection: 08/05/1994
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: DAVID LIPPITT
Facility Address: PO BOX 25376
Facility City: SANTA ANA
Facility State: CA
Facility Zip: 92799-5376
UST Owner: UNION OIL CO OF CA
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 100591 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 100591
Tank Type: SINGLE WALL
Additional Id: 4862-34
Capacity Gallons: 280
UST Contents: Not reported
Other Content Info: WASTE OIL

UNOCAL SERV STATION #4862 (Continued) **S101308197**

Reg Status:	REMOVED
Remove Close Date:	1994-01-26 00:00:00
Year Installed:	1962-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100591 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	100591
Tank Type:	SINGLE WALL
Additional Id:	4862-11 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1996-06-02 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 100591 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100591
Tank Type:	SINGLE WALL
Additional Id:	4862-22 UNLEADED
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1996-06-02 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SAN DIEGO CO. SAM:

Case Number:	H00591-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	7/17/1989
Date Began:	10/26/1988
Case Number:	H00591-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test

UNOCAL SERV STATION #4862 (Continued) **S101308197**

Facility Status: Closed Case
Date: 2/7/1994
Date Began: 8/11/1993

Case Number: H00591-003
Agency: DEH Site Assessment & Mitigation
Funding: **POP**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 3/16/2006
Date Began: 1/26/1994

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70 **ERNS** **94405743**
5050 MISSION CENTER DR **N/A**
SAN DIEGO, CA 92108

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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70 **UNOCAL SERV STATION #4862** **CA HIST CORTESE** **S103662722**
5050 MISSION CENTER RD **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA SLIC**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2678

LUST:
Region: STATE
Global Id: T0607301427
Latitude: 32.767355
Longitude: -117.1538636
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/16/2006
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2678
LOC Case Number: H00591-003
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301427
Status: Completed - Case Closed
Status Date: 03/16/2006

UNOCAL SERV STATION #4862 (Continued) **S103662722**

Global Id: T0607301427
Status: Open - Case Begin Date
Status Date: 01/26/1994

Regulatory Activities:
Global Id: T0607301427
Action Type: Other
Date: 01/26/1994
Action: Leak Began

Global Id: T0607301427
Action Type: Other
Date: 01/26/1994
Action: Leak Discovery

Global Id: T0607301427
Action Type: Other
Date: 01/26/1994
Action: Leak Stopped

Global Id: T0607301427
Action Type: ENFORCEMENT
Date: 02/01/1994
Action: Notice of Responsibility

Global Id: T0607301427
Action Type: Other
Date: 01/26/1994
Action: Leak Reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 07/17/1989
Global Id: T0608198153
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H00591-001
Latitude: 32.766513
Longitude: -117.15596
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/07/1994
Global Id: T0608161128
Lead Agency: SAN DIEGO COUNTY LOP

UNOCAL SERV STATION #4862 (Continued) **S103662722**

Lead Agency Case Number:	H00591-002
Latitude:	32.766513
Longitude:	-117.15596
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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70 **UNOCAL SERVICE STATION #4862** **CA HAZNET** **S113040485**
5050 MISSION CENTER DRIVE **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113040485
Year:	1998
GEPAID:	CAL000046482
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	10.8420
Facility County:	San Diego

envid:	S113040485
Year:	1997
GEPAID:	CAL000046482
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	.1200
Facility County:	San Diego

envid:	S113040485
Year:	1997
GEPAID:	CAL000046482
Contact:	UNION OIL COMPANY OF CALIFORNI
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376

UNOCAL SERVICE STATION #4862 (Continued) **S113040485**

Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 9.5910
Facility County: San Diego

envid: S113040485
Year: 1996
GEPAID: CAL000046482
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 2.7105
Facility County: San Diego

envid: S113040485
Year: 1994
GEPAID: CAL000046482
Contact: UNION OIL COMPANY OF CALIFORNI
Telephone: 7144286560
Mailing Name: Not reported
Mailing Address: PO BOX 25376
Mailing City,St,Zip: SANTA ANA, CA 927995376
Gen County: Not reported
TSD EPA ID: CAD000088252
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: .2293
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **UNION OIL SERVICE STATION #486** **CA HIST UST** **U001572872**
5050 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92110

HIST UST:
Region: STATE
Facility ID: 00000020019
Facility Type: Gas Station
Other Type: Not reported
Contact Name: MINIT MAN CAR WASH
Telephone: 6192974306
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 123 CAMINO DE LA REINA
Owner City,St,Zip: SAN DIEGO, CA 92108

UNION OIL SERVICE STATION #486 (Continued) **U001572872**

Total Tanks:	0003
Tank Num:	001
Container Num:	4862-34
Year Installed:	1962
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	4862-11
Year Installed:	1981
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	4862-22
Year Installed:	1981
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

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70 **UNOCAL #4862** **CA RGA LUST** **S114711287**
5050 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	UNOCAL #4862	5050 MISSION CENTER RD
2003	UNOCAL #4862	5050 MISSION CENTER RD

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70 **UNOCAL CORP.** **CA RGA LUST** **S114712807**
5050 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	UNOCAL CORP.	5050 MISSION CENTER RD
2003	UNOCAL CORP.	5050 MISSION CENTER RD

70 **UNOCAL/MINUTEMAN CARWASH** **CA RGA LUST** **S114714085**
5050 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2002	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD
2001	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD
2000	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD
1998	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD
1997	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD
1996	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD
1995	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD
1994	UNOCAL/MINUTEMAN CARWASH	5050 MISSION CENTER RD

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70 **UNOCAL** **CA RGA LUST** **S114714588**
5050 MISSION CENTER ROAD **N/A**
SAN DIEGO, CA

RGA LUST:

1993	UNOCAL	5050 MISSION CENTER ROAD
1992	UNOCAL	5050 MISSION CENTER ROAD

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70 **UNOCAL SERV STATION #4862** **CA RGA LUST** **S114713057**
5050 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2012	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2011	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2010	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2009	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2008	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2007	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2007	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2007	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2006	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD
2005	UNOCAL SERV STATION #4862	5050 MISSION CENTER RD

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70 **UNION #4862** **CA RGA LUST** **S114709094**
5050 MISSION CENTER RD **N/A**
SAN DIEGO, CA

RGA LUST:

2004	UNION #4862	5050 MISSION CENTER RD
2003	UNION #4862	5050 MISSION CENTER RD

70 **CENTRAL PLANT MISSION VLY CTR** **CA HAZNET** **S113002566**
1640 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113002566
Year:	2007
GEPAID:	CAD134017730
Contact:	JERE WESTLOTORN
Telephone:	6192970721
Mailing Name:	Not reported
Mailing Address:	1640 CAMINO DEL RIO N STE 351
Mailing City,St,Zip:	SAN DIEGO, CA 921081532
Gen County:	Not reported
TSD EPA ID:	AZR000035915
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Not reported
Tons:	Not reported
Facility County:	San Diego

envid:	S113002566
Year:	2007
GEPAID:	CAD134017730
Contact:	JERE WESTLOTORN
Telephone:	6192970721
Mailing Name:	Not reported
Mailing Address:	1640 CAMINO DEL RIO N STE 351
Mailing City,St,Zip:	SAN DIEGO, CA 921081532
Gen County:	Not reported
TSD EPA ID:	AZR000035915
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Not reported
Tons:	0.02
Facility County:	San Diego

envid:	S113002566
Year:	2007
GEPAID:	CAD134017730
Contact:	JERE WESTLOTORN
Telephone:	6192970721
Mailing Name:	Not reported
Mailing Address:	1640 CAMINO DEL RIO N STE 351
Mailing City,St,Zip:	SAN DIEGO, CA 921081532
Gen County:	Not reported
TSD EPA ID:	AZR000035915
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	01
Tons:	0.2
Facility County:	San Diego

envid:	S113002566
Year:	2004
GEPAID:	CAD134017730
Contact:	DAVID TAMISIEA / SUPERVISOR
Telephone:	6192970721
Mailing Name:	Not reported

CENTRAL PLANT MISSION VLY CTR (Continued) **S113002566**

Mailing Address: 1640 CAMINO DEL RIO N STE 351
Mailing City,St,Zip: SAN DIEGO, CA 921081532
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 0.81
Facility County: San Diego

envid: S113002566
Year: 1999
GEPAID: CAD134017730
Contact: WESTFIELD
Telephone: 3104784456
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N STE 1290
Mailing City,St,Zip: SAN DIEGO, CA 921081532
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .4587
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
11 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **LENSCRAFTERS #268** **CA HAZNET** **S113073042**
1640 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113073042
Year: 2012
GEPAID: CAL000128806
Contact: GRACE HAGGARD
Telephone: 5137653384
Mailing Name: Not reported
Mailing Address: 4000 LUXOTTICA PL
Mailing City,St,Zip: MASON, OH 450408114
Gen County: San Diego
TSD EPA ID: OKD000402396
TSD County: 99
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: Not reported
Facility County: San Diego

envid: S113073042
Year: 2012
GEPAID: CAL000128806
Contact: GRACE HAGGARD
Telephone: 5137653384
Mailing Name: Not reported

LENSCRAFTERS #268 (Continued) **S113073042**

Mailing Address:	4000 LUXOTTICA PL
Mailing City,St,Zip:	MASON, OH 450408114
Gen County:	San Diego
TSD EPA ID:	OKD000402396
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.004
Facility County:	San Diego

envid:	S113073042
Year:	2012
GEPAID:	CAL000128806
Contact:	GRACE HAGGARD
Telephone:	5137653384
Mailing Name:	Not reported
Mailing Address:	4000 LUXOTTICA PL
Mailing City,St,Zip:	MASON, OH 450408114
Gen County:	San Diego
TSD EPA ID:	OKD000402396
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.004
Facility County:	San Diego

envid:	S113073042
Year:	2012
GEPAID:	CAL000128806
Contact:	GRACE HAGGARD
Telephone:	5137653384
Mailing Name:	Not reported
Mailing Address:	4000 LUXOTTICA PL
Mailing City,St,Zip:	MASON, OH 450408114
Gen County:	San Diego
TSD EPA ID:	OKD000402396
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	Not reported
Facility County:	San Diego

envid:	S113073042
Year:	2011
GEPAID:	CAL000128806
Contact:	GRACE HAGGARD
Telephone:	5137653384
Mailing Name:	Not reported
Mailing Address:	4000 LUXOTTICA PL
Mailing City,St,Zip:	MASON, OH 450408114
Gen County:	Not reported
TSD EPA ID:	OKD000402396
TSD County:	Not reported
Waste Category:	Other organic solids

LENSCRAFTERS #268 (Continued) **S113073042**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0135
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
21 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **MAX PHOTO & CAMERA** **CA HAZNET** **S113015762**
1640 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S113015762
Year: 1998
GEPAID: CAD982406050
Contact: HEE-YOUL KANG
Telephone: 6194855319
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921081506
Gen County: Not reported
TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0834
Facility County: San Diego

envid: S113015762
Year: 1997
GEPAID: CAD982406050
Contact: HEE-YOUL KANG
Telephone: 6194855319
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921081506
Gen County: Not reported
TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .9172
Facility County: San Diego

envid: S113015762
Year: 1996
GEPAID: CAD982406050
Contact: HEE-YOUL KANG
Telephone: 6194855319
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921081506
Gen County: Not reported
TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler

MAX PHOTO & CAMERA (Continued) **S113015762**

Tons: 1.9596
Facility County: San Diego

envid: S113015762
Year: 1995
GEPAID: CAD982406050
Contact: HEE-YOUL KANG
Telephone: 6194855319
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921081506
Gen County: Not reported
TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 1.2300
Facility County: San Diego

envid: S113015762
Year: 1994
GEPAID: CAD982406050
Contact: HEE-YOUL KANG
Telephone: 6194855319
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N
Mailing City,St,Zip: SAN DIEGO, CA 921081506
Gen County: Not reported
TSD EPA ID: CAD982524613
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: 1.8765
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **MISSION VALLEY CENTER** **CA HAZNET** **S112916073**
1640 CAMINO DEL RIO NO STE 351 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112916073
Year: 2004
GEPAID: CAC002366927
Contact: JOE ROSS/ASST GEN MGR
Telephone: 6192966375
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO NO STE 351
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Tons: 0.6
Facility County: San Diego

MISSION VALLEY CENTER (Continued) **S112916073**

envid: S112916073
Year: 2002
GEPAID: CAC002366927
Contact: JOE ROSS/ASST GEN MGR
Telephone: 6192966375
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO NO STE 351
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.5
Facility County: San Diego

envid: S112916073
Year: 2001
GEPAID: CAC002366927
Contact: JOE ROSS/ASST GEN MGR
Telephone: 6192966375
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO NO STE 351
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 12.43
Facility County: San Diego

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70 **ALLIANCE ENVIRONMENTAL GROUP** **CA HAZNET** **S112937518**
1640 CAMINO DEL RIO N #163 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112937518
Year: 2005
GEPAID: CAC002577500
Contact: KIRSTIN SANIGAL
Telephone: 6192966375
Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N #163
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 5.73
Facility County: San Diego

envid: S112937518
Year: 2004
GEPAID: CAC002577500
Contact: KIRSTIN SANIGAL
Telephone: 6192966375

ALLIANCE ENVIRONMENTAL GROUP (Continued) **S112937518**

Mailing Name: Not reported
Mailing Address: 1640 CAMINO DEL RIO N #163
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 3.2
Facility County: San Diego

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70 **MILLARD SERVICES CO** **CA HAZNET** **S112954451**
1640 CAMINO DEL RIO N STE 351 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112954451
Year: 2006
GEPAID: CAC002605217
Contact: CLAY HANSON
Telephone: 8887980600
Mailing Name: Not reported
Mailing Address: 7301 N CICERO AVE
Mailing City,St,Zip: LINCOLNWOOD, IL 607121613
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.68
Facility County: San Diego

---

70 **EXPRESSLY PORTRAITS** **CA HAZNET** **S113041506**
1640 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113041506
Year: 1993
GEPAID: CAL000048450
Contact: EXPRESSLY PORTRAITS
Telephone: 6505789291
Mailing Name: Not reported
Mailing Address: 1157 TRITON DR STE B
Mailing City,St,Zip: FOSTER CITY, CA 944041213
Gen County: Not reported
TSD EPA ID: NMD097970065
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Not reported
Tons: 4.17000000000
Facility County: San Diego

envid: S113041506
Year: 1993
GEPAID: CAL000048450

EXPRESSLY PORTRAITS (Continued) **S113041506**

Contact:	EXPRESSLY PORTRAITS
Telephone:	6505789291
Mailing Name:	Not reported
Mailing Address:	1157 TRITON DR STE B
Mailing City,St,Zip:	FOSTER CITY, CA 944041213
Gen County:	Not reported
TSD EPA ID:	CAD003963592
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Recycler
Tons:	7.00000000000
Facility County:	San Diego

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70 **MICHAELS STORES INC #3207** **CA HAZNET** **S117310344**
1652 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117310344
Year:	2013
GEPAID:	CAL000370950
Contact:	RYAN DRAPER
Telephone:	9724095786
Mailing Name:	Not reported
Mailing Address:	8000 BENT BRANCH DR
Mailing City,St,Zip:	IRVING, TX 750630000
Gen County:	San Diego
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.062
Facility County:	Not reported

---

70 **ENVIRONMENTAL COMPLIANCE TRAINING** **FTTS** **1005622700**
BOX 16555 **HIST FTTS** **N/A**
SAN DIEGO, CA 92176

FTTS INSP:

Inspection Number:	199902269ST06 1
Region:	09
Inspection Date:	02/26/99
Inspector:	RCRUZ
Violation occurred:	No
Investigation Type:	Asbestos, MAP Enforcement, SEE
Investigation Reason:	Neutral Scheme, Associated
Legislation Code:	TSCA
Facility Function:	Private Facility

HIST FTTS INSP:

Inspection Number:	199902269ST06 1
Region:	09
Inspection Date:	Not reported
Inspector:	RCRUZ

ENVIRONMENTAL COMPLIANCE TRAINING (Continued) **1005622700**

Violation occurred:	No
Investigation Type:	Asbestos, MAP Enforcement, SEE
Investigation Reason:	Neutral Scheme, Associated
Legislation Code:	TSCA
Facility Function:	Private Facility

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70 **CA CHMIRS** **S109036734**

1750 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	07-6444
OES notification:	10/22/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	City of San Diego Metro Waste Water
Incident Date:	10/21/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes

(Continued) **S109036734**

Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage
Gallons:	88
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release from private lateral line, unknown cause.

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70 **BED BATH & BEYOND #31** **CA HAZNET** **S113799296**
1750 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113799296
Year:	2013
GEPAID:	CAL000362149
Contact:	CHRIS BAKER
Telephone:	7136257015
Mailing Name:	Not reported
Mailing Address:	5151 SAN FELIPE
Mailing City,St,Zip:	HOUSTON, TX 770560000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2065
Facility County:	Not reported

envid:	S113799296
Year:	2013
GEPAID:	CAL000362149
Contact:	CHRIS BAKER
Telephone:	7136257015
Mailing Name:	Not reported
Mailing Address:	5151 SAN FELIPE
Mailing City,St,Zip:	HOUSTON, TX 770560000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

BED BATH & BEYOND #31 (Continued) **S113799296**

Tons:	0.0395
Facility County:	Not reported
envid:	S113799296
Year:	2013
GEPAID:	CAL000362149
Contact:	CHRIS BAKER
Telephone:	7136257015
Mailing Name:	Not reported
Mailing Address:	5151 SAN FELIPE
Mailing City,St,Zip:	HOUSTON, TX 770560000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.245
Facility County:	Not reported
envid:	S113799296
Year:	2013
GEPAID:	CAL000362149
Contact:	CHRIS BAKER
Telephone:	7136257015
Mailing Name:	Not reported
Mailing Address:	5151 SAN FELIPE
Mailing City,St,Zip:	HOUSTON, TX 770560000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0095
Facility County:	Not reported
envid:	S113799296
Year:	2013
GEPAID:	CAL000362149
Contact:	CHRIS BAKER
Telephone:	7136257015
Mailing Name:	Not reported
Mailing Address:	5151 SAN FELIPE
Mailing City,St,Zip:	HOUSTON, TX 770560000
Gen County:	San Diego
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.032
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

70 **SHORING ENGINEERING** **CA HAZNET** **S112920583**
1288 CAMINO DEL RIO **N/A**
MISSION VALLEY, CA 92108

HAZNET:

envid:	S112920583
Year:	2002
GEPAID:	CAC002518655
Contact:	VINCENT WONG
Telephone:	5629449331
Mailing Name:	Not reported
Mailing Address:	12645 CLARK ST
Mailing City,St,Zip:	SANTA FE SPRINGS, CA 906700000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified sludge waste
Disposal Method:	Recycler
Tons:	0.68
Facility County:	San Diego

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70 **1X MONTGOMERY WARD** **CA HAZNET** **S112845798**
1288 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112845798
Year:	1993
GEPAID:	CAC000798488
Contact:	MONTGOMERY WARD REALTY
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	844 NORTH LARRABEE STREET
Mailing City,St,Zip:	CHICAGO, IL 606710000
Gen County:	Not reported
TSD EPA ID:	AZD983473539
TSD County:	Not reported
Waste Category:	Polychlorinated biphenyls and material containing PCBs
Disposal Method:	Recycler
Tons:	2.49929999999
Facility County:	San Diego

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70 **MONTGOMERY WARD** **CA HAZNET** **S112873009**
1288 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112873009
Year:	1996
GEPAID:	CAC001188280
Contact:	MONTGOMERY WARD
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	844 NORTH LARRABEE ST
Mailing City,St,Zip:	CHICAGO, IL 606710000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported

MONTGOMERY WARD (Continued) **S112873009**

Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: .8428
Facility County: San Diego

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70 **TARGET** **CA HAZNET** **S112914200**
1288 CAMINO DEL RIO NORTH **N/A**
SAN DIEGO, CA 92110

HAZNET:
envid: S112914200
Year: 2001
GEPAID: CAC002347951
Contact: PAUL RACE
Telephone: 7606028700
Mailing Name: Not reported
Mailing Address: 1905 ASTON AVE
Mailing City,St,Zip: CARLSBAD, CA 920080000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 55.62
Facility County: San Diego

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70 **CA CHMIRS** **S105632502**
#4862 (STATION NOT IN USE) 5050 MISSION CENTER DR **N/A**
SAN DIEGO, CA 92108

CHMIRS:
OES Incident Number: 5686
OES notification: Not reported
OES Date: 12/14/1994
OES Time: 02:47:29 PM
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported

(Continued) **S105632502**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	NO
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	unocal
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	unocal
Incident Date:	pm/12dec94
Admin Agency:	Not reported
Amount:	unknown
Contained:	YES
Site Type:	S/S
E Date:	Not reported
Substance:	unknown - suspect hydraulic oil
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	adjacent property owner reported to sd co hmmd that spill had occurred at above station upon investigation by unocal evidence of residue product was seen in storm drain

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70 **TARGET #1410** **CA HIST UST** **U001572770**
1288 CAMINO DEL RIO **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000021176
Facility Type:	Other
Other Type:	RETAIL DEPT. STORE
Contact Name:	CAMPBELL, JOHN
Telephone:	6192988161
Owner Name:	MONTGOMERY WARD
Owner Address:	ONE MONTGOMERY WARD PLAZA
Owner City,St,Zip:	CHICAGO, IL 60671

TARGET #1410 (Continued) **U001572770**

Total Tanks: 0004

Tank Num: 001
Container Num: 3-1532P
Year Installed: 1961
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2-1532UL
Year Installed: 1961
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 003
Container Num: 1-1532R
Year Installed: 1961
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 004
Container Num: 1532
Year Installed: 1961
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

SAN DIEGO CO. HMMD:
Facility Id: 204550
Business Type: 6HK70
EPA Id Number: CAR000095257
APN: 438-020-11-00
Last HMMD Inspection: 05/02/2011
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: TARGET CORPORATION
Facility Address: PO BOX 111
Facility City: MINNEAPOLIS
Facility State: MN
Facility Zip: 55440
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported

TARGET #1410 (Continued) **U001572770**

Generate Medical Waste: Not reported

Active Permits:

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N/
Other Information: CORROSIVE ACID RETAIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: DICHLOROPHENOXYACETIC ACID
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: HAULER: SRU SHIPPED VIA FEDEX TO METAFIX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: OXIDIZERS RETAIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS*
Other Information: FLAMMABLE RETAIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550

TARGET #1410 (Continued) **U001572770**

Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: RCRA HAZARDOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: R-404A
Other Information: REFRIGERANT
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: PHOTOGRAPHIC SILVER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: MAIL BACK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N*

TARGET #1410 (Continued) **U001572770**

Other Information: STATE REGULATED (NON RCRA)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information: LIGHTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: MISC AEROSOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0306
Violation: ILLEGAL DISPOSAL OF LATEX PAINT
Violation Citation: Disposed of latex paint illegally. 25217.1
Activity: ACTIVE

Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

TARGET #1410 (Continued) **U001572770**

Facility Id:	204550
Update Date:	11/02/2012
Inspection Date:	05/02/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	204550
Business Type:	6HK70
EPA Id Number:	CAR000095257
APN:	438-020-11-00
Last HMMD Inspection:	05/02/2011
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	TARGET CORPORATION
Facility Address:	PO BOX 111
Facility City:	MINNEAPOLIS
Facility State:	MN
Facility Zip:	55440
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	204550
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N/
Other Information:	CORROSIVE ACID RETAIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	204550
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information:	DICHLOROPHENOXYACETIC ACID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	204550
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

TARGET #1410 (Continued) **U001572770**

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 171 METAL SLUDGE
Other Information: HAULER: SRU SHIPPED VIA FEDEX TO METAFIX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: OXIDIZERS RETAIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS*
Other Information: FLAMMABLE RETAIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: RCRA HAZARDOUS WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: 74-98-6
Name: PROPANE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: R-404A
Other Information: REFRIGERANT
Material Waste: Material
Hazardous Categories 1: REACTIVE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported

TARGET #1410 (Continued) **U001572770**

Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information: PHOTOGRAPHIC SILVER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: MAIL BACK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N*
Other Information: STATE REGULATED (NON RCRA)
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS*
Other Information: LIGHTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 204550
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: MISC AEROSOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0306
Violation: ILLEGAL DISPOSAL OF LATEX PAINT

TARGET #1410 (Continued) **U001572770**

Violation Citation: Disposed of latex paint illegally. 25217.1
Activity: ACTIVE

Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 01/28/2008
Violation Code: 6HV0407
Violation: EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation: Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity: ACTIVE

Facility Id: 204550
Update Date: 11/02/2012
Inspection Date: 05/02/2011
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

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70 **MONTGOMERY WARD MISSION VALLEY** **CA HIST UST** **U001572765**
1288 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HIST UST:
Region: STATE
Facility ID: 00000063275
Facility Type: Other
Other Type: RETAIL STORE
Contact Name: JACK BROOKS
Telephone: 6192988161
Owner Name: MONTGOMERY WARD & CO. INC.
Owner Address: 1 MONTGOMERY WARD PLAZA
Owner City,St,Zip: CHICAGO, IL 60671
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1963

MONTGOMERY WARD MISSION VALLEY (Continued) **U001572765**

Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	2
Year Installed:	1963
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	3
Year Installed:	1963
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	004
Container Num:	4
Year Installed:	1963
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

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70 **WESTFIELD SHOPPING CENTERS** **CA HAZNET** **S112957734**
1025 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112957734
Year:	2006
GEPAID:	CAC002610604
Contact:	KEVIN BEIDEMAN
Telephone:	6192398180
Mailing Name:	Not reported
Mailing Address:	324 HORTON PLZ
Mailing City,St,Zip:	SAN DIEGO, CA 921016148
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	12.64
Facility County:	San Diego

envid:	S112957734
Year:	2006
GEPAID:	CAC002610604

WESTFIELD SHOPPING CENTERS (Continued) **S112957734**

Contact:	KEVIN BEIDEMAN
Telephone:	6192398180
Mailing Name:	Not reported
Mailing Address:	324 HORTON PLZ
Mailing City,St,Zip:	SAN DIEGO, CA 921016148
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	3.75
Facility County:	San Diego

envid:	S112957734
Year:	2006
GEPAID:	CAC002610604
Contact:	KEVIN BEIDEMAN
Telephone:	6192398180
Mailing Name:	Not reported
Mailing Address:	324 HORTON PLZ
Mailing City,St,Zip:	SAN DIEGO, CA 921016148
Gen County:	Not reported
TSD EPA ID:	CAD980884183
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0
Facility County:	San Diego

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70 **JARED THE GALLERIA OF JEWELRY** **CA HAZNET** **S113801314**
1025 CAMINO DE LA REINA STE 1 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113801314
Year:	2013
GEPAID:	CAL000371922
Contact:	ANITA ZAPPALA
Telephone:	3306685408
Mailing Name:	Not reported
Mailing Address:	375 GHENT RD
Mailing City,St,Zip:	FAIRLAWN, OH 443334601
Gen County:	San Diego
TSD EPA ID:	NED981723513
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.007
Facility County:	Not reported

envid:	S113801314
Year:	2013
GEPAID:	CAL000371922
Contact:	ANITA ZAPPALA
Telephone:	3306685408
Mailing Name:	Not reported

JARED THE GALLERIA OF JEWELRY (Continued) **S113801314**

Mailing Address: 375 GHENT RD
Mailing City,St,Zip: FAIRLAWN, OH 443334601
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.005
Facility County: Not reported

envid: S113801314
Year: 2012
GEPAID: CAL000371922
Contact: ANTIA ZAPPALA
Telephone: 3306685408
Mailing Name: Not reported
Mailing Address: 375 GHENT RD
Mailing City,St,Zip: FAIRLAWN, OH 443334601
Gen County: San Diego
TSD EPA ID: ARD069748192
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.005
Facility County: San Diego

envid: S113801314
Year: 2012
GEPAID: CAL000371922
Contact: ANTIA ZAPPALA
Telephone: 3306685408
Mailing Name: Not reported
Mailing Address: 375 GHENT RD
Mailing City,St,Zip: FAIRLAWN, OH 443334601
Gen County: San Diego
TSD EPA ID: ARD069748192
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.005
Facility County: San Diego

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70 **CB RICHARD ELLIS INC** **CA HAZNET** **S112906326**
5111 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92113

HAZNET:
envid: S112906326
Year: 1999
GEPAID: CAC002234873
Contact: CB RICHARD ELLIS INC
Telephone: 8055322202
Mailing Name: Not reported
Mailing Address: 9200 OAKDALE BLDG 11 8TH FLR
Mailing City,St,Zip: CHATSWORTH, CA 913110000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported

CB RICHARD ELLIS INC (Continued) **S112906326**

Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 1.6856
Facility County: San Diego

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70 **JP MORGAN & CHASE** **CA HAZNET** **S112980792**
5111 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112980792
Year: 2009
GEPAID: CAC002646928
Contact: CARL WESTERDAHL
Telephone: 2065005437
Mailing Name: Not reported
Mailing Address: 1301 2ND AVE
Mailing City,St,Zip: SEATTLE, WA 981012005
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

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70 **BEST BUY STORE 438** **CA HAZNET** **S112989407**
5151 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112989407
Year: 2011
GEPAID: CAC002670746
Contact: TIM DUNN
Telephone: 6122913406
Mailing Name: Not reported
Mailing Address: 7601 PENN AVE S
Mailing City,St,Zip: RICHFIELD, MN 55423
Gen County: Not reported
TSD EPA ID: ARD981057870
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.099
Facility County: San Diego

envid: S112989407
Year: 2011
GEPAID: CAC002670746
Contact: TIM DUNN
Telephone: 6122913406
Mailing Name: Not reported
Mailing Address: 7601 PENN AVE S
Mailing City,St,Zip: RICHFIELD, MN 55423

BEST BUY STORE 438 (Continued) **S112989407**

Gen County: Not reported
TSD EPA ID: ARD981057870
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: Not reported
Facility County: San Diego

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70 **BEST BUY** **CA HAZNET** **S112983379**
5151 MISSION CENTER RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S112983379
Year: 2011
GEPAID: CAC002662655
Contact: TIM DUNN
Telephone: 6122913406
Mailing Name: Not reported
Mailing Address: 7601 PENN AVE S
Mailing City,St,Zip: RICHFIELD, MN 554233645
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.2475
Facility County: San Diego

envid: S112983379
Year: 2011
GEPAID: CAC002662655
Contact: TIM DUNN
Telephone: 6122913406
Mailing Name: Not reported
Mailing Address: 7601 PENN AVE S
Mailing City,St,Zip: RICHFIELD, MN 554233645
Gen County: Not reported
TSD EPA ID: WAD991281767
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0125
Facility County: San Diego

envid: S112983379
Year: 2011
GEPAID: CAC002662655
Contact: TIM DUNN
Telephone: 6122913406
Mailing Name: Not reported
Mailing Address: 7601 PENN AVE S
Mailing City,St,Zip: RICHFIELD, MN 554233645
Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics

BEST BUY (Continued) **S112983379**

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01
Facility County: San Diego

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70 **ROBINSON MAY DEPARTMENT STORES** **CA HAZNET** **S112887509**
1702 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112887509
Year: 1998
GEPAID: CAC001392680
Contact: ROBINSON MAY DEPARTMENT STRS
Telephone: 8185094777
Mailing Name: Not reported
Mailing Address: 6160 LAUREL CANYON BLVD
Mailing City,St,Zip: NORTH HOLLYWOOD, CA 916060000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 3.3712
Facility County: San Diego

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70 **MACY'S STORE #218** **CA HAZNET** **S112956218**
1702 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112956218
Year: 2007
GEPAID: CAC002608103
Contact: DONNA DEGUZMAN/CALL CENTER
Telephone: 3232272486
Mailing Name: Not reported
Mailing Address: 3880 N MISSION RD BOX W6
Mailing City,St,Zip: LOS ANGELES, CA 90031
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.25
Facility County: San Diego

envid: S112956218
Year: 2006
GEPAID: CAC002608103
Contact: DONNA DEGUZMAN/CALL CENTER
Telephone: 3232272486
Mailing Name: Not reported
Mailing Address: 3880 N MISSION RD BOX W6
Mailing City,St,Zip: LOS ANGELES, CA 90031
Gen County: Not reported

MACY'S STORE #218 (Continued) **S112956218**

TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.12
Facility County: San Diego

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70 **MAY CO AUTO CENTER** **EDR US Hist Auto Stat** **1008999307**
1702 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: MAY CO AUTO CENTER
Year: 1970
Type: AUTOMOBILE REPAIRING

---

70 **MAY CO AUTO CENTER** **EDR US Hist Auto Stat** **1008998525**
1702 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: MAY CO AUTO CENTER
Year: 1975
Type: AUTOMOBILE REPAIRING

Name: MAY COMPANY AUTO CENTER
Year: 1980
Type: A T S AUTOMATIC

---

70 **MACY'S #553** **CA San Diego Co. HMMD** **S109428654**
1702 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 210912
Business Type: 6HK70
EPA Id Number: CAL000311912
APN: 438-030-06-00
Last HMMD Inspection: 06/20/2011
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: MACY'S WEST STORES, INC
Facility Address: 7 W 07TH ST
Facility City: CINCINNATI
Facility State: OH
Facility Zip: 45202
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

MACY'S #553 (Continued) **S109428654**

Facility Id:	210912
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	LATEX PAINT
Other Information:	WATER-BASED PAINT
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	210912
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	COSMETICS/ACETONE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	210912
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	FROM EGT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	210912
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	FROM EGT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

---

70 **MACY'S WEST 218A** **CA HAZNET** **S113144563**
1702 CAMINO DEL RIO N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113144563
Year:	2013
GEPAID:	CAL000311912
Contact:	Monica Ng
Telephone:	7326315578
Mailing Name:	Not reported
Mailing Address:	755 ROUTE 18 SOUTH
Mailing City,St,Zip:	EAST BRUNSWICK, NJ 088160000
Gen County:	San Diego
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.935
Facility County:	Not reported

MACY'S WEST 218A (Continued) **S113144563**

envid: S113144563
Year: 2013
GEPAID: CAL000311912
Contact: Monica Ng
Telephone: 7326315578
Mailing Name: Not reported
Mailing Address: 755 ROUTE 18 SOUTH
Mailing City,St,Zip: EAST BRUNSWICK, NJ 088160000
Gen County: San Diego
TSD EPA ID: ARD069748192
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.43
Facility County: Not reported

envid: S113144563
Year: 2013
GEPAID: CAL000311912
Contact: Monica Ng
Telephone: 7326315578
Mailing Name: Not reported
Mailing Address: 755 ROUTE 18 SOUTH
Mailing City,St,Zip: EAST BRUNSWICK, NJ 088160000
Gen County: San Diego
TSD EPA ID: TXD055141378
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.3
Facility County: Not reported

envid: S113144563
Year: 2012
GEPAID: CAL000311912
Contact: KEVIN BANAHAN
Telephone: 6464294147
Mailing Name: Not reported
Mailing Address: 755 ROUTE 18 SOUTH
Mailing City,St,Zip: EAST BRUNSWICK, NJ 088160000
Gen County: San Diego
TSD EPA ID: UTD981552177
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.861
Facility County: San Diego

envid: S113144563
Year: 2012
GEPAID: CAL000311912
Contact: KEVIN BANAHAN
Telephone: 6464294147
Mailing Name: Not reported
Mailing Address: 755 ROUTE 18 SOUTH
Mailing City,St,Zip: EAST BRUNSWICK, NJ 088160000
Gen County: San Diego

MACY'S WEST 218A (Continued) **S113144563**

TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.861
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
32 additional CA_HAZNET: record(s) in the EDR Site Report.

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70 **CA CHMIRS** **S106399424**

1400 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	03-5876
OES notification:	11/12/2003
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	San Diego River
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	City of San Diego
Incident Date:	11/12/200312:00:00 AM

(Continued) **S106399424**

Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Sewage
Gallons:	1730
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	1300 Gals was recovered, the rest 430 Gals. went into the storm drain that leads to the San Diego River

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71 **F A R D JANITORIAL SERVICES** **EDR US Hist Cleaners** **1009124326**
1275 BRUNNER ST **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	F A R D JANITORIAL SERVICES
Year:	1971
Type:	CLEANERS CARPET

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72 **DANYELE DIJAMES** **CA HAZNET** **S117300015**
6406 FRIARS RD UNIT 338 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117300015
Year:	2013
GEPAID:	CAC002742422
Contact:	DANYELE DIJAMES
Telephone:	6199299345
Mailing Name:	Not reported
Mailing Address:	6406 FRIARS RD UNIT 338
Mailing City,St,Zip:	SAN DIEGO, CA 921085009
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	Not reported

72 **HALIM YUDIONO** **CA HAZNET** **S112994291**
6416 FRIARS RD UNT 101 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112994291
Year:	2011
GEPAID:	CAC002677043
Contact:	HALIM YUDIONO
Telephone:	6197308239
Mailing Name:	Not reported
Mailing Address:	6416 FRIARS RD UNT 101
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

envid:	S112994291
Year:	2011
GEPAID:	CAC002677043
Contact:	HALIM YUDIONO
Telephone:	6197308239
Mailing Name:	Not reported
Mailing Address:	6416 FRIARS RD UNT 101
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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72 **DEAN PATIERNIK** **CA HAZNET** **S112992896**
6416 FRIARS RD UNIT 106 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112992896
Year:	2011
GEPAID:	CAC002675249
Contact:	DEAN PATIERNIK
Telephone:	6193020924
Mailing Name:	Not reported
Mailing Address:	6416 FRIARS RD UNIT 106
Mailing City,St,Zip:	SAN DIEGO, CA 921081021
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

72 | **EDR US Hist Auto Stat** | **1015588168** | **N/A**

6416 FRIARS RD
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: THE BODY SHOP
Year: 2001
Address: 6416 FRIARS RD

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72 **BLUFFS HOA** | **CA HAZNET** | **S113791674** | **N/A**
6450 FRIARS RD FL 3
SAN DIEGO, CA 92108

HAZNET:
envid: S113791674
Year: 2012
GEPAID: CAC002709885
Contact: BLUFFS HOA
Telephone: 6192949370
Mailing Name: Not reported
Mailing Address: 6450 FRIARS RD FL 3
Mailing City,St,Zip: SAN DIEGO, CA 921081017
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 2.4
Facility County: San Diego

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72 **LINCOLN/THE BLUFFS II APARTMENTS** | **CA HAZNET** | **S112858148** | **N/A**
6466 FRIARS STE 104
SAN DIEGO, CA 92108

HAZNET:
envid: S112858148
Year: 1994
GEPAID: CAC000980464
Contact: LINCOLN/THE BLUFFS II
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 6466 FRIARS STE 104
Mailing City,St,Zip: SAN DIEGO, CA 921081024
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: .0250
Facility County: San Diego

envid: S112858148
Year: 1994
GEPAID: CAC000980464
Contact: LINCOLN/THE BLUFFS II
Telephone: 0000000000
Mailing Name: Not reported

LINCOLN/THE BLUFFS II APARTMENTS (Continued) **S112858148**

Mailing Address: 6466 FRIARS STE 104
Mailing City,St,Zip: SAN DIEGO, CA 921081024
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Transfer Station
Tons: .2500
Facility County: San Diego

envid: S112858148
Year: 1994
GEPAID: CAC000980464
Contact: LINCOLN/THE BLUFFS II
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 6466 FRIARS STE 104
Mailing City,St,Zip: SAN DIEGO, CA 921081024
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Transfer Station
Tons: .2085
Facility County: San Diego

envid: S112858148
Year: 1994
GEPAID: CAC000980464
Contact: LINCOLN/THE BLUFFS II
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 6466 FRIARS STE 104
Mailing City,St,Zip: SAN DIEGO, CA 921081024
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Off-specification, aged or surplus inorganics
Disposal Method: Transfer Station
Tons: .4170
Facility County: San Diego

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72 **CA CHMIRS** **S109040288**
6576 FRYERS RD **N/A**
SAN DIEGO, CA 92123

CHMIRS:
OES Incident Number: 07-3264
OES notification: 05/29/2007
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported

(Continued) **S109040288**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	City of San Diego
Incident Date:	5/28/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	Sewage
Gallons:	4,050
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released due to root blockage of the sewer line. Caller states 2,400 gallons was recovered. Remainder of substance soaked

(Continued) **S109040288**

into a grassy soil area.

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72 **ERNS** **99635204**
6596 FRIARS ROAD **N/A**
SAN DIEGO, CA 92123

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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72 **ERNS** **99634685**
6596 FRIARS ROAD **N/A**
SAN DIEGO, CA 92123

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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72 **CA CHMIRS** **S105662018**
6596 FRIARS ROAD **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	99-1688
OES notification:	04/16/1999
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

(Continued) **S105662018**

Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego River
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	San Diego Waste Water Collection
Incident Date:	4/16/199912:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	raw sewage
Gallons:	2805
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release caused by a man hole full of roots. All of the sewage went into the San Diego River..

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72 **THE BLUFFS APTS.** **CA HAZNET** **S113780505**
6540 FRIARS RD. **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113780505
Year:	2013
GEPAID:	CAC002753058
Contact:	AL GAUTHIER
Telephone:	6264371433
Mailing Name:	Not reported
Mailing Address:	6540 FRIARS RD.
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To

THE BLUFFS APTS. (Continued) **S113780505**

Include On-Site Treatment And/Or Stabilization)
Tons: 14.4
Facility County: Not reported

envid: S113780505
Year: 2013
GEPAID: CAC002721685
Contact: ESSEX PROPERTY TRUST, INC.
Telephone: 9496837537
Mailing Name: Not reported
Mailing Address: 925 E MEADOW DR
Mailing City,St,Zip: PALO ALTO, CA 943034233
Gen County: San Diego
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 46.8
Facility County: Not reported

envid: S113780505
Year: 2013
GEPAID: CAC002721685
Contact: ESSEX PROPERTY TRUST, INC.
Telephone: 9496837537
Mailing Name: Not reported
Mailing Address: 925 E MEADOW DR
Mailing City,St,Zip: PALO ALTO, CA 943034233
Gen County: San Diego
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Evaporation
Tons: 4
Facility County: Not reported

envid: S113780505
Year: 2013
GEPAID: CAC002731793
Contact: AL GAUTHER
Telephone: 6264371433
Mailing Name: Not reported
Mailing Address: 925 EAST MEADOW
Mailing City,St,Zip: PALO ALTO, CA 94303
Gen County: San Diego
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 41.2
Facility County: Not reported

envid: S113780505
Year: 2013
GEPAID: CAC002743269

THE BLUFFS APTS. (Continued) **S113780505**

Contact:	AL GAUTHIER
Telephone:	6264371433
Mailing Name:	Not reported
Mailing Address:	925 E MEADOW DR
Mailing City,St,Zip:	PALO ALTO, CA 94303
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	36
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
2 additional CA_HAZNET: record(s) in the EDR Site Report.

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72 **THE BLUFFS APARTMENTS** **CA HAZNET** **S113793913**
6540 FRIARS RD. **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113793913
Year:	2013
GEPAID:	CAC002712670
Contact:	ESSEX PROPERTY TRUST
Telephone:	9496837537
Mailing Name:	Not reported
Mailing Address:	925 E MEADOW DR
Mailing City,St,Zip:	PALO ALTO, CA 943034233
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	13.2
Facility County:	Not reported

envid:	S113793913
Year:	2012
GEPAID:	CAC002712670
Contact:	ESSEX PROPERTY TRUST
Telephone:	9496837537
Mailing Name:	Not reported
Mailing Address:	925 E MEADOW DR
Mailing City,St,Zip:	PALO ALTO, CA 943034233
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	15.6
Facility County:	San Diego

72 **THE CENTRE POINTE** **CA HAZNET** **S113791314**
6540 FRIARS RD. **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113791314
Year:	2012
GEPAID:	CAC002709433
Contact:	THE CENTRE POINT
Telephone:	6194810537
Mailing Name:	Not reported
Mailing Address:	6540 FRIARS RD.
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2
Facility County:	San Diego

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72 **ESSEX PROPERTY TRUST** **CA HAZNET** **S113772578**
6566 FRIARS RD APT 207 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113772578
Year:	2012
GEPAID:	CAC002684752
Contact:	RICK ARVAUDH
Telephone:	6196889307
Mailing Name:	Not reported
Mailing Address:	404 CAMINO DEL RIO S STE 602
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	CAD009007626
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.6
Facility County:	San Diego

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72 **BONNIE GOLDEN** **CA HAZNET** **S113778376**
6717 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113778376
Year:	2012
GEPAID:	CAC002691908
Contact:	BONNIE GOLDEN
Telephone:	6196929313
Mailing Name:	Not reported
Mailing Address:	6717 FRIARS RD
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego

BONNIE GOLDEN (Continued) **S113778376**

TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

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72 **SAUL CHACON** **CA HAZNET** **S113774288**
6717 FRIARS RD UNIT 51 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113774288
Year: 2012
GEPAID: CAC002686866
Contact: SAUL CHACON
Telephone: 6199176722
Mailing Name: Not reported
Mailing Address: 6717 FRIARS RD UNIT 51
Mailing City,St,Zip: SAN DIEGO, CA 921081106
Gen County: San Diego
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

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73 **FASHION VALLEY MALL** **CA HAZNET** **S113459035**
7007 FRIARS RD STE 392 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113459035
Year: 2010
GEPAID: CAC002651448
Contact: ARTHUR R AUSTIN JR
Telephone: 6198810281
Mailing Name: Not reported
Mailing Address: 7007 FRIARS RD STE 392
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

73 **SEPHORA STORE 36 FASHION VALLEY** **CA HAZNET** **S113177412**
7007 FRIARS RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113177412
Year:	2008
GEPAID:	CAR000147363
Contact:	SANDI BAKER, FACILITIES MGR
Telephone:	4152843488
Mailing Name:	Not reported
Mailing Address:	425 MARKET ST
Mailing City,St,Zip:	SAN FRANCISCO, CA 941050000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.837
Facility County:	San Diego

envid:	S113177412
Year:	2008
GEPAID:	CAR000147363
Contact:	SANDI BAKER, FACILITIES MGR
Telephone:	4152843488
Mailing Name:	Not reported
Mailing Address:	425 MARKET ST
Mailing City,St,Zip:	SAN FRANCISCO, CA 941050000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.837
Facility County:	San Diego

envid:	S113177412
Year:	2007
GEPAID:	CAR000147363
Contact:	SANDI BAKER, FACILITIES MGR
Telephone:	4152843488
Mailing Name:	Not reported
Mailing Address:	425 MARKET ST
Mailing City,St,Zip:	SAN FRANCISCO, CA 941050000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.05
Facility County:	San Diego

envid:	S113177412
Year:	2007
GEPAID:	CAR000147363
Contact:	SANDI BAKER, FACILITIES MGR
Telephone:	4152843488
Mailing Name:	Not reported

SEPHORA STORE 36 FASHION VALLEY (Continued) **S113177412**

Mailing Address:	425 MARKET ST
Mailing City,St,Zip:	SAN FRANCISCO, CA 941050000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.05
Facility County:	San Diego

envid:	S113177412
Year:	2007
GEPAID:	CAR000147363
Contact:	SANDI BAKER, FACILITIES MGR
Telephone:	4152843488
Mailing Name:	Not reported
Mailing Address:	425 MARKET ST
Mailing City,St,Zip:	SAN FRANCISCO, CA 941050000
Gen County:	Not reported
TSD EPA ID:	CAD008364432
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.09
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
23 additional CA_HAZNET: record(s) in the EDR Site Report.

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73 **FASHION VALLEY MALL** **CA HAZNET** **S113463628**
7007 FRIARS RD STE 392 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113463628
Year:	2013
GEPAID:	CAC002721504
Contact:	MICHAEL SIMPSON
Telephone:	6192973381
Mailing Name:	Not reported
Mailing Address:	7007 FRIARS RD STE 392
Mailing City,St,Zip:	SAN DIEGO, CA 921081152
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	15.2
Facility County:	Not reported

envid:	S113463628
Year:	2010
GEPAID:	CAC002659086
Contact:	ARTHUR R AUSTIN JR
Telephone:	6198810281
Mailing Name:	Not reported

FASHION VALLEY MALL (Continued) **S113463628**

Mailing Address: 7007 FRIARS RD STE 392
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.187
Facility County: San Diego

envid: S113463628
Year: 2010
GEPAID: CAC002659086
Contact: ARTHUR R AUSTIN JR
Telephone: 6198810281
Mailing Name: Not reported
Mailing Address: 7007 FRIARS RD STE 392
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 4
Facility County: San Diego

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73 **SEPHORA STORE 36 FASHION VALLEY** **RCRA-SQG** **1006930245**
7007 FRIARS ROAD **CA San Diego Co. HMMD** **CAR000147363**
SAN DIEGO, CA 92108 **CA HAZNET**

RCRA-SQG:
Date form received by agency: 08/19/2003
Facility name: SEPHORA STORE 36 FASHION VALLEY
Facility address: 7007 FRIARS ROAD
SUITE 314
SAN DIEGO, CA 92108
EPA ID: CAR000147363
Mailing address: 525 MARKET STREET
SAN FRANCISCO, CA 94105
Contact: SANDI BAKER
Contact address: 525 MARKET STREET
SAN FRANCISCO, CA 94105
Contact country: US
Contact telephone: 415-348-3488
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: FASHION VALLEY MALL LLC

SEPHORA STORE 36 FASHION VALLEY (Continued) **1006930245**

Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 11/05/1999
Owner/Op end date: Not reported

Owner/operator name: SEPHORA
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 11/05/1999
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

SAN DIEGO CO. HMMD:
Facility Id: 214408
Business Type: 6HK18
EPA Id Number: Not reported
APN: 437-291-29-00
Last HMMD Inspection: 11/04/2011
Permit Status: OPEN
Permit Expiration: 03/31/2013
Facility Owner: CHARLES KOLL JEWELLERS
Facility Address: 7007 FRIARS RD #691
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported

SEPHORA STORE 36 FASHION VALLEY (Continued) **1006930245**

Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 214408
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Violations Active Permits:
Facility Id: 214408
Update Date: 11/02/2012
Inspection Date: 11/04/2011
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 214408
Update Date: 11/02/2012
Inspection Date: 11/04/2011
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: ACTIVE

Facility Id: 211420
Business Type: 6HK15
EPA Id Number: Not reported
APN: 437-291-29-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 01/31/2012
Facility Owner: RITZ CAMERA & IMAGE, LLC
Facility Address: 6711 RITZ WY
Facility City: BELTSVILLE
Facility State: MD
Facility Zip: 20705
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

HAZNET:
envid: 1006930245

SEPHORA STORE 36 FASHION VALLEY (Continued) **1006930245**

Year:	2013
GEPAID:	CAL000389170
Contact:	LATOYA STEVENSON
Telephone:	2122306083
Mailing Name:	Not reported
Mailing Address:	200 FIFTH AVE
Mailing City,St,Zip:	NEW YORK, NY 10001
Gen County:	San Diego
TSD EPA ID:	INR000110197
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02
Facility County:	Not reported

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73 **SEPHORA STORE 36 FASHION VALLEY** **FINDS** **1007087650**
7007 FRIARS ROAD **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110015671959

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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73 **RITZ CAMERA #176** **CA San Diego Co. HMMD** **S106064050**
7007 FRIARS RD **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133949
Business Type:	6HK15
EPA Id Number:	CAD920295638
APN:	437-291-29-00
Last HMMD Inspection:	12/29/2005
Permit Status:	CHNG
Permit Expiration:	08/31/2010
Facility Owner:	RITZ CAMERA CENTERS, INC
Facility Address:	6711 RITZ WAY
Facility City:	BELTSVILLE
Facility State:	MD
Facility Zip:	20705-
UST Owner:	Not reported

RITZ CAMERA #176 (Continued) **S106064050**

Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	204547
Business Type:	6HK18
EPA Id Number:	CAL000171721
APN:	437-291-29-00
Last HMMD Inspection:	02/23/2007
Permit Status:	INAC
Permit Expiration:	04/30/2009
Facility Owner:	LENSCRAFTERS INC
Facility Address:	4000 LUXOTTICA PL
Facility City:	MASON
Facility State:	OH
Facility Zip:	45040
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

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73 **LENSCRAFTERS #870** **CA HAZNET** **S113090201**
7007 FRIARS RD STE 720 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113090201
Year:	2008
GEPAID:	CAL000171721
Contact:	ROB ROBISON
Telephone:	5137656274
Mailing Name:	Not reported
Mailing Address:	4000 LUXOTTICA PL
Mailing City,St,Zip:	MASON, OH 45040
Gen County:	Not reported
TSD EPA ID:	MOD981123391
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.001
Facility County:	San Diego

envid:	S113090201
Year:	2008
GEPAID:	CAL000171721
Contact:	ROB ROBISON
Telephone:	5137656274
Mailing Name:	Not reported
Mailing Address:	4000 LUXOTTICA PL
Mailing City,St,Zip:	MASON, OH 45040
Gen County:	Not reported

LENSCRAFTERS #870 (Continued) **S113090201**

TSD EPA ID: MOD981123391
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Not reported
Tons: 0.01
Facility County: San Diego

envid: S113090201
Year: 2007
GEPAID: CAL000171721
Contact: ROB ROBISON
Telephone: 5137656274
Mailing Name: Not reported
Mailing Address: 4000 LUXOTTICA PL
Mailing City,St,Zip: MASON, OH 45040
Gen County: Not reported
TSD EPA ID: TXD077603371
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05
Facility County: San Diego

envid: S113090201
Year: 2007
GEPAID: CAL000171721
Contact: ROB ROBISON
Telephone: 5137656274
Mailing Name: Not reported
Mailing Address: 4000 LUXOTTICA PL
Mailing City,St,Zip: MASON, OH 45040
Gen County: Not reported
TSD EPA ID: MOD981123391
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0
Facility County: San Diego

envid: S113090201
Year: 2006
GEPAID: CAL000171721
Contact: GRACE HAGGARD
Telephone: 5137656278
Mailing Name: Not reported
Mailing Address: 4000 LUXOTTICA PL
Mailing City,St,Zip: MASON, OH 45040
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.01
Facility County: San Diego

LENSCRAFTERS #870 (Continued) **S113090201**

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

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73 **ABERCROMBIE AND FITCH STORES DBA ABERCROMBIE & FITCH** **CA HAZNET** **S113153355**
7007 FRIARS RD STE 940 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113153355
Year:	2011
GEPAID:	CAL000334655
Contact:	S SADOFF-SR MGR REGULATORY AFF
Telephone:	6147654183
Mailing Name:	Not reported
Mailing Address:	6301 FITCH PATH
Mailing City,St,Zip:	NEW ALBANY, OH 430549269
Gen County:	Not reported
TSD EPA ID:	UTD981552177
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.105
Facility County:	San Diego

envid:	S113153355
Year:	2009
GEPAID:	CAL000334655
Contact:	S SADOFF/SR MGR REGULATORY AFF
Telephone:	6147654183
Mailing Name:	Not reported
Mailing Address:	6301 Fitch Path
Mailing City,St,Zip:	New Albany, OH 430540000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.9
Facility County:	San Diego

envid:	S113153355
Year:	2009
GEPAID:	CAL000334655
Contact:	S SADOFF/SR MGR REGULATORY AFF
Telephone:	6147654183
Mailing Name:	Not reported
Mailing Address:	6301 Fitch Path
Mailing City,St,Zip:	New Albany, OH 430540000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.363
Facility County:	San Diego

73 **APPLE STORE, FASHION VALLEY** **CA HAZNET** **S117302605**
7007 FRIARS RD STE 364 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S117302605
Year:	2013
GEPAID:	CAC002746209
Contact:	JOHN SHULL
Telephone:	4089745170
Mailing Name:	Not reported
Mailing Address:	1 INFINITE LOOP # MS-18EHS
Mailing City,St,Zip:	CUPERTINO, CA 950142083
Gen County:	San Diego
TSD EPA ID:	CAD044429835
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.006
Facility County:	Not reported

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73 **ANN TAYLOR S0319/FASHION VALLEY** **CA HAZNET** **S112969613**
7007 FRIARS ROAD STE 324 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112969613
Year:	2008
GEPAID:	CAC002629456
Contact:	STEVEN ROOT/X121
Telephone:	2127516300
Mailing Name:	Not reported
Mailing Address:	200 VARICK ST
Mailing City,St,Zip:	NEW YORK, NY 10014
Gen County:	Not reported
TSD EPA ID:	TXD077603371
TSD County:	Not reported
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.175
Facility County:	San Diego

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73 **RUEHL NO 925** **CA HAZNET** **S113466601**
7007 FRIARS RD STE 842 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113466601
Year:	2010
GEPAID:	CAL000327993
Contact:	S SADOFF-SR MGR REGULATORY AFF
Telephone:	6147654183
Mailing Name:	Not reported
Mailing Address:	6301 FITCH PATH
Mailing City,St,Zip:	NEW ALBANY, OH 430549269
Gen County:	Not reported
TSD EPA ID:	CAD044429835

RUEHL NO 925 (Continued) **S113466601**

TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.105
Facility County: San Diego

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73 **SEPHORA STORES #36** **CA HAZNET** **S113127666**
7007 FRIARS RD #314 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113127666
Year: 2004
GEPAID: CAL000273211
Contact: SANDI BAKER
Telephone: 4153483438
Mailing Name: Not reported
Mailing Address: 525 MARKET ST 11TH FLOOR
Mailing City,St,Zip: SAN FRANCISCO, CA 94105
Gen County: Not reported
TSD EPA ID: KYD053348108
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Tons: 0.12
Facility County: San Diego

envid: S113127666
Year: 2003
GEPAID: CAL000273211
Contact: SANDI BAKER
Telephone: 4153483438
Mailing Name: Not reported
Mailing Address: 525 MARKET ST 11TH FLOOR
Mailing City,St,Zip: SAN FRANCISCO, CA 94105
Gen County: Not reported
TSD EPA ID: KYD053348108
TSD County: Not reported
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Invalid Code
Tons: 0.2
Facility County: San Diego

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74 **RIVERFRONT APARTMENTS** **CA HAZNET** **S112887239**
750 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112887239
Year: 1998
GEPAID: CAC001389320
Contact: R AND V MANAGEMENT
Telephone: 6192855500
Mailing Name: Not reported
Mailing Address: 3444 CAMINO DEL RIO NORTH STE 202

RIVERFRONT APARTMENTS (Continued) **S112887239**

Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD088504881
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	1.0000
Facility County:	San Diego

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74 **ICON LASER EYE CENTER, INC** **CA San Diego Co. HMMD** **S109279363**
925 CAMION DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	139382
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	438-020-42-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	09/30/2002
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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75 **JON W. CASSELL DDS** **CA San Diego Co. HMMD** **S106068736**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153965
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-020-41-00
Last HMMD Inspection:	06/11/2009
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	JON CASSELL DDS
Facility Address:	591-#412 CAMINO DE LA REINA #412
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y

JON W. CASSELL DDS (Continued) **S106068736**

Treat Haz Waste: Not reported
Generate Medical Waste: Y

Inactive Permits:
Facility Id: 153965
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: VAPORSTERILE CHEMICLAVE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 153965
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: ISOLYSER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 153965
Update Date: 11/02/2012
Inspection Date: 06/11/2009
Violation Code: 6HV4441
Violation: ILLEGAL DISPOSAL OF PHOTO/HAZWASTE
Violation Citation: Illegal disposal of photoprocessing/ hazardous waste to the sewer, trash, etc. 25189.5
Activity: ACTIVE

---

75 **VERIZON WIRELESS - MISSION VALLEY** **CA San Diego Co. HMMD** **S106064212**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 134394
Business Type: 6HK18
EPA Id Number: Not reported
APN: 438-020-41-00
Last HMMD Inspection: 04/17/2012
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: VERIZON WIRELESS
Facility Address: 15505 SAND CANYON AV #D
Facility City: IRVINE
Facility State: CA
Facility Zip: 92618-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

VERIZON WIRELESS - MISSION VALLEY (Continued) **S106064212**

Active Permits:
Facility Id: 134394
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID, H2S04, 30%:
Other Information: LEAD ACID BATTERY ELECTROLYTE.
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: EXTREMELY HAZARDOUS

---

75 **EDR US Hist Auto Stat** **1015563689**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: BOB BAKER AUTO GROUP
Year: 2008
Address: 591 CAMINO DE LA REINA

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75 **CELLCO - MISSION VALLEY** **FINDS** **1010039471**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110028070575

Environmental Interest/Information System
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

75 **THE DAMLUJI RESEARCH CENTER** **CA San Diego Co. HMMD** **S106069320**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154809
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-020-41-00
Last HMMD Inspection:	03/04/2005
Permit Status:	INAC
Permit Expiration:	08/31/2005
Facility Owner:	THE DAMLUJI RESEARCH CENTER
Facility Address:	591 CAMINO DE LA REINA 1219
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	154809
Update Date:	11/02/2012
Inspection Date:	03/04/2005
Violation Code:	6HV4201
Violation:	NO UPF PERMIT FOR MEDICAL WASTE
Violation Citation:	A Unified Program Facility Permit has not been obtained for the generation of medical waste. 117705, 68.905
Activity:	Inactive Permit

---

75 **MISSION CENTER CHIROPRACTIC** **CA HAZNET** **S113166143**
591 CAMINO DE LA REINA STE 818 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113166143
Year:	1993
GEPAID:	CAL921082995
Contact:	DON CHRISTENSEN & RUDY REYES
Telephone:	6194910235
Mailing Name:	Not reported
Mailing Address:	591 CAMINO DE LA REINA STE 818
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD981402522
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Not reported
Tons:	1.25000000000
Facility County:	San Diego

75 **1X PACTEL PROPERTIES** **CA HAZNET** **S112848173**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112848173
Year:	1993
GEPAID:	CAC000861576
Contact:	PACTEL PROPERTIES
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	591 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	1.2641
Facility County:	San Diego

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75 **ALPHA TRUST CHIROPRACTIC** **CA San Diego Co. HMMD** **S106064211**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	134391
Business Type:	6HK15
EPA Id Number:	CAL000174583
APN:	438-020-41-00
Last HMMD Inspection:	08/02/2001
Permit Status:	INAC
Permit Expiration:	05/31/2003
Facility Owner:	RUDY REYES
Facility Address:	7840 MISSION CENTER CT #105
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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75 **TANG CLINIC** **CA San Diego Co. HMMD** **S106069111**
591 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154503
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	438-020-41-00
Last HMMD Inspection:	06/18/1999
Permit Status:	INAC
Permit Expiration:	09/30/2001

TANG CLINIC (Continued) **S106069111**

Facility Owner:	SHENGYING TANG LAC
Facility Address:	591 CAMINO DE LA REINA 326
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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76 **CA CHMIRS** **S105676907**
6314 FRIARS RD **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	01-0964
OES notification:	02/15/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego River
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

(Continued) **S105676907**

Year:	2001
Agency:	Metro Waste Water San Diego
Incident Date:	2/15/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Raw Sewage
Gallons:	1
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Stoppage in line. 550 gallons of sewage was recovered.

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76 **JUDY LAMB** **CA HAZNET** **S113778346**
6202 FRIARS RD UNIT 212 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113778346
Year:	2012
GEPAID:	CAC002691873
Contact:	JUDY LAMB
Telephone:	6192440307
Mailing Name:	Not reported
Mailing Address:	6202 FRIARS RD UNIT 212
Mailing City,St,Zip:	SAN DIEGO, CA 921081007
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

76 **CA CHMIRS** **S105673147**
N/A

FRIARS RD. AT VIA LAS CUMBRES
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	01-4194
OES notification:	07/21/2001
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Metro Waste Water
Incident Date:	7/21/200112:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Sewage
Gallons:	1
Unknown:	0.000000
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S105673147**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	There was a block in the sewer system. The release went into the storm drain but has dissipated prior to contact with any waterway.

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76 **CRAIG A BOWLES DMD** **CA San Diego Co. HMMD** **S106066138**
6110 FRIARS RD **CA HAZNET** **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	150133
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	436-650-29-00
Last HMMD Inspection:	05/15/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	CRAIG A BOWLES DMD
Facility Address:	6110 FRIARS RD 104
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1004
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	150133
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	ISOLYZER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	150133
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 541 PHOTOCHEM/PHOTOPROC WASTE
Other Information:	SILVER RECOVERY UNIT - HAULER: COMMODITY RESOURCES
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

CRAIG A BOWLES DMD (Continued) **S106066138**

HAZNET:
envid: S106066138
Year: 2013
GEPAID: CAC002737638
Contact: CRAIG BOWLS
Telephone: 8585271144
Mailing Name: Not reported
Mailing Address: 6110 FRIARS RD
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: San Diego
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 10.9564
Facility County: Not reported

---

76 **EDR US Hist Cleaners** **1009128273**
6110 FRIARS RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:
Name: DAISY CLEANERS
Year: 1980
Type: CLEANERS AND DYERS

Name: DAISY CLEANERS & LAUNDRY
Year: 1999
Address: 6110 FRIARS RD

Name: DAISY CLEANERS & LAUNDRY
Year: 2000
Address: 6110 FRIARS RD

Name: DAISY CLEANERS & LAUNDRY
Year: 2005
Address: 6110 FRIARS RD

Name: PRESTIGE TAILORING & DRY CLEANING
Year: 2012
Address: 6110 FRIARS RD

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77 **RIVERWALK GOLF CLUB MAINT** **CA HAZNET** **S113034222**
5905 FRIARS ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113034222
Year: 2006
GEPAID: CAL000032754
Contact: STEVEN BURGRAFF
Telephone: 6192912458
Mailing Name: Not reported
Mailing Address: 5905 FRIARS ROAD
Mailing City,St,Zip: SAN DIEGO, CA 921080000

RIVERWALK GOLF CLUB MAINT (Continued) **S113034222**

Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Unspecified sludge waste
Disposal Method: Disposal, Other
Tons: 0.02
Facility County: San Diego

envid: S113034222
Year: 2006
GEPAID: CAL000032754
Contact: STEVEN BURGRAFF
Telephone: 6192912458
Mailing Name: Not reported
Mailing Address: 5905 FRIARS ROAD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.08
Facility County: San Diego

envid: S113034222
Year: 2000
GEPAID: CAL000032754
Contact: STEVEN BURGRAFF
Telephone: 6192912458
Mailing Name: Not reported
Mailing Address: 5905 FRIARS ROAD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Tons: 0.5
Facility County: San Diego

envid: S113034222
Year: 1993
GEPAID: CAL000032754
Contact: PASEO NEWARD DEL RIO, LTD
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 5905 FRIARS ROAD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAL000027741
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 5.0568
Facility County: San Diego

77 **HANDLERY HOTEL & COUNTRY CLUB** **CA HIST CORTESE** **S103981096**
5900 FRIARS RD **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1028

LUST:

Region:	STATE
Global Id:	T0607300045
Latitude:	32.7658862
Longitude:	-117.186771
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	06/04/1990
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1028
LOC Case Number:	H02932-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300045
Status:	Open - Case Begin Date
Status Date:	04/03/1987
Global Id:	T0607300045
Status:	Completed - Case Closed
Status Date:	06/04/1990

Regulatory Activities:

Global Id:	T0607300045
Action Type:	Other
Date:	04/03/1987
Action:	Leak Began
Global Id:	T0607300045
Action Type:	Other
Date:	04/03/1987
Action:	Leak Discovery
Global Id:	T0607300045
Action Type:	Other
Date:	02/01/1988
Action:	Leak Stopped
Global Id:	T0607300045
Action Type:	Other

HANDLERY HOTEL & COUNTRY CLUB (Continued) **S103981096**

Date: 04/03/1987
Action: Leak Reported

SWEEPS UST:

Status:	Active
Comp Number:	2932
Number:	9
Board Of Equalization:	44-021759
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002932-000003
Tank Status:	A
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

Status:	Not reported
Comp Number:	2932
Number:	Not reported
Board Of Equalization:	44-021759
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002932-000001
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	2

Status:	Not reported
Comp Number:	2932
Number:	Not reported
Board Of Equalization:	44-021759
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-002932-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

HANDLERY HOTEL & COUNTRY CLUB (Continued) **S103981096**

SAN DIEGO CO. HMMD:

Facility Id:	102932
Business Type:	6HK70
EPA Id Number:	CAL000085829
APN:	DEH-102932
Last HMMD Inspection:	07/05/1996
Permit Status:	INAC
Permit Expiration:	03/31/1997
Facility Owner:	HANDLERY HOTEL & COUNTRY CLUB
Facility Address:	5900 FRIARS RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1001
UST Owner:	HANDLERY MOTEL
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 102932 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	102932
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1988-01-02 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 102932 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	102932
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-02-01 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 102932 T003

HANDLERY HOTEL & COUNTRY CLUB (Continued) **S103981096**

Last Update:	2012-11-02 14:17:38
Permit Number:	102932
Tank Type:	DOUBLE WALL
Additional Id:	3
Capacity Gallons:	2000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-04-29 00:00:00
Year Installed:	1988-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	Not reported
UST Monitor Method:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H02932-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	6/4/1990
Date Began:	4/3/1987

---

77 **STARDUST GOLF COURSE MAINT. YD** **CA LUST** **S102438060**
5900 FRIARS RD **N/A**
SAN DIEGO, CA 92108

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1028
Local Case:	H02932-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Not reported
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	05/02/1988
Date Stopped:	02/01/1988
Confirm Date:	02/01/1988
Submit Workplan:	Not reported
Prelim Assess:	05/10/1988
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	05/10/1988
Enforce Date:	Not reported
Closed Date:	6/4/90

STARDUST GOLF COURSE MAINT. YD (Continued) **S102438060**

Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 18.5
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: High priority
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

---

77 **EDR US Hist Auto Stat** **1015564112**
5920 FRIARS RD **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:
Name: SOUTH TRAIL BP
Year: 2007
Address: 5920 FRIARS RD

---

78 **CA Notify 65** **S100179720**
4800 FAIRMOUNT AVE **N/A**
SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

---

79 **COPLEY NEWS SERVICE** **CA San Diego Co. HMMD** **S106064675**
123 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 135727
Business Type: 6HK15
EPA Id Number: CAL000066889
APN: 437-260-38-00
Last HMMD Inspection: 03/20/2002
Permit Status: INAC
Permit Expiration: 12/31/2002
Facility Owner: COPLEY NEWSPAPER NEWS SERVICE
Facility Address: 123 CAMINO DE LA REINA E250
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y

COPLEY NEWS SERVICE (Continued) **S106064675**

Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

---

79 **CONCORDE CAREER INSTITUTE** **CA San Diego Co. HMMD** **S106068008**
123 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	152916
Business Type:	6HK10
EPA Id Number:	CA0980891378
APN:	437-260-38-00
Last HMMD Inspection:	04/02/2003
Permit Status:	INAC
Permit Expiration:	01/31/2005
Facility Owner:	Not reported
Facility Address:	123 CAMINO DE LA REINA E125
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

79 **COPLEY PHOTO SERVICE** **CA HAZNET** **S113047445**
123 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113047445
Year:	1999
GEPAID:	CAL000066889
Contact:	COPLEY PRESS INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	123 CAMINO DE LA REINA # E-250
Mailing City,St,Zip:	SAN DIEGO, CA 921083002
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Not reported
Tons:	.0035
Facility County:	San Diego

envid:	S113047445
Year:	1998
GEPAID:	CAL000066889
Contact:	COPLEY PRESS INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	123 CAMINO DE LA REINA # E-250

COPLEY PHOTO SERVICE (Continued) **S113047445**

Mailing City,St,Zip: SAN DIEGO, CA 921083002
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Not reported
Tons: .0417
Facility County: San Diego

envid: S113047445
Year: 1998
GEPAID: CAL000066889
Contact: COPLEY PRESS INC
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 123 CAMINO DE LA REINA # E-250
Mailing City,St,Zip: SAN DIEGO, CA 921083002
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .0417
Facility County: San Diego

envid: S113047445
Year: 1997
GEPAID: CAL000066889
Contact: COPLEY PRESS INC
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 123 CAMINO DE LA REINA # E-250
Mailing City,St,Zip: SAN DIEGO, CA 921083002
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .2205
Facility County: San Diego

envid: S113047445
Year: 1996
GEPAID: CAL000066889
Contact: COPLEY PRESS INC
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 123 CAMINO DE LA REINA # E-250
Mailing City,St,Zip: SAN DIEGO, CA 921083002
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Tons: .4335
Facility County: San Diego

COPLEY PHOTO SERVICE (Continued) **S113047445**

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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79 **COPLEY PRESS** **CA HIST CORTESE** **S101301916**
350 CAMINO DE LA REINA **CA LUST** **N/A**
SAN DIEGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT614

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT614
Local Case:	H00174-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	GTED
Local Agency:	San Diego
How Found:	Tank Test
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	05/06/1986
Date Stopped:	07/01/1986
Confirm Date:	05/16/1986
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	12/19/1986
Remed Action:	1/28/92
Began Monitor:	Not reported
Release Date:	05/16/1986
Enforce Date:	Not reported
Closed Date:	12/8/97
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	10’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

79 **ASSOCIATED PRESS** **CA HAZNET** **S113075760**
350 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113075760
Year:	1998
GEPAID:	CAL000138742
Contact:	ASSOCIATED PRESS
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Mailing City,St,Zip:	SAN DIEGO, CA 921120000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.1709
Facility County:	San Diego

envid:	S113075760
Year:	1997
GEPAID:	CAL000138742
Contact:	ASSOCIATED PRESS
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 191
Mailing City,St,Zip:	SAN DIEGO, CA 921120000
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Transfer Station
Tons:	.1041
Facility County:	San Diego

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79 **ERNS** **92256178**
350 CAMINO DELA REINA **N/A**
SAN DIEGO, CA

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

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79 **UNION TRIBUNE PUBLISHING COMPANY** **RCRA-SQG** **1000338033**
350 CAMINO DE LA REINA **FINDS** **CAD981449556**
SAN DIEGO, CA 92108 **CA HIST CORTESE**
CA LUST
CA UST
CA HIST UST
CA SWEEPS UST
CA San Diego Co. HMMD
CA EMI
CA SAN DIEGO CO. SAM

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

RCRA-SQG:
Date form received by agency: 07/06/2010
Facility name: THE SAN DIEGO UNION TRIBUNE LLC
Facility address: 350 CAMINO DE LA REINA
SAN DIEGO, CA 92108
EPA ID: CAD981449556
Contact: DAVID FERGUSON
Contact address: 350 CAMINO DE LA REINA
SAN DIEGO, CA 92108
Contact country: US
Contact telephone: 619-293-1144
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THE SAN DIEGO UNION TRIBUNE LLC
Owner/operator address: 350 CAMINO DE LA REINA
SAN DIEGO, CA 92108
Owner/operator country: US
Owner/operator telephone: 619-293-1144
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/04/2009
Owner/Op end date: Not reported

Owner/operator name: THE SAN DIEGO UNION TRIBUNE LLC
Owner/operator address: 350 CAMINO DE LA REINA
SAN DIEGO, CA 92108
Owner/operator country: US
Owner/operator telephone: 619-293-1144
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/04/2009
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	Batteries
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

Waste type:	Lamps
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

Waste type:	Pesticides
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

Waste type:	Thermostats
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

. Waste code:	181
. Waste name:	181

. Waste code:	221
. Waste name:	221

. Waste code:	223
. Waste name:	223

. Waste code:	261
. Waste name:	261

. Waste code:	291
. Waste name:	291

. Waste code:	352
. Waste name:	352

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

Historical Generators:

Date form received by agency:	09/01/1996
Site name:	UNION TRIBUNE PUBLISHING CO
Classification:	Large Quantity Generator

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Date form received by agency: 09/01/1996
Site name: UNION TRIBUNE PUBLISHING CO
Classification: Small Quantity Generator

Date form received by agency: 02/28/1992
Site name: UNION-TRIBUNE PUBLISHING CO.
Classification: Large Quantity Generator

Date form received by agency: 03/04/1986
Site name: UNION TRIBUNE PUBLISHING CO
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 12/16/1993
Date achieved compliance: 12/16/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/04/1992
Date achieved compliance: 12/16/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/04/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/16/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/16/1998
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/04/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Area of violation: Generators - General
Date achieved compliance: 12/16/1993
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110001187180

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.

ELECTRIC GENERATOR

STATE MASTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

HIST CORTESE:

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3509

LUST:

Region: STATE
Global Id: T0607302276
Latitude: 32.764614
Longitude: -117.164769
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/09/2008
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3509
LOC Case Number: H00174-003
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302276
Status:	Completed - Case Closed
Status Date:	04/09/2008
Global Id:	T0607302276
Status:	Open - Case Begin Date
Status Date:	06/20/1997
Global Id:	T0607302276
Status:	Open - Site Assessment
Status Date:	07/21/1997

Regulatory Activities:

Global Id:	T0607302276
Action Type:	Other
Date:	07/03/1997
Action:	Leak Began
Global Id:	T0607302276
Action Type:	Other
Date:	07/03/1997
Action:	Leak Discovery
Global Id:	T0607302276
Action Type:	Other
Date:	06/20/1997
Action:	Leak Stopped
Global Id:	T0607302276
Action Type:	ENFORCEMENT
Date:	07/23/1997
Action:	Notice of Responsibility
Global Id:	T0607302276
Action Type:	Other
Date:	07/03/1997
Action:	Leak Reported
Global Id:	T0607302276
Action Type:	ENFORCEMENT
Date:	04/09/2008
Action:	Closure/No Further Action Letter

Region:	STATE
Global Id:	T0607302895
Latitude:	32.764614
Longitude:	-117.164769
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/08/1997
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Local Agency:	Not reported
RB Case Number:	9UT614
LOC Case Number:	H00174-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302895
Status:	Completed - Case Closed
Status Date:	12/08/1997

Global Id:	T0607302895
Status:	Open - Case Begin Date
Status Date:	05/16/1986

Regulatory Activities:

Global Id:	T0607302895
Action Type:	ENFORCEMENT
Date:	10/30/1997
Action:	Closure/No Further Action Letter - #H00174-001

Global Id:	T0607302895
Action Type:	ENFORCEMENT
Date:	01/04/1993
Action:	Notice of Responsibility

Region:	STATE
Global Id:	T0608194797
Latitude:	32.764614
Longitude:	-117.164769
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/18/2008
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
LOC Case Number:	H00174-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0608194797
Status:	Completed - Case Closed
Status Date:	04/18/2008

Global Id:	T0608194797
Status:	Open - Case Begin Date
Status Date:	02/21/1996

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Regulatory Activities:

Global Id:	T0608194797
Action Type:	Other
Date:	02/21/1996
Action:	Leak Began

Global Id:	T0608194797
Action Type:	Other
Date:	02/21/1996
Action:	Leak Discovery

Global Id:	T0608194797
Action Type:	ENFORCEMENT
Date:	03/11/1996
Action:	Notice of Responsibility

Global Id:	T0608194797
Action Type:	Other
Date:	02/21/1996
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3509
Local Case:	H00174-003
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	06/20/1997
Date Stopped:	06/20/1997
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	07/21/1997
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	06/20/1997
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	>3’
Beneficial Use:	MUNISW
NPDES Number:	Not reported
Priority:	Not reported

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

UST:
Facility ID: H00174
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.765963
Longitude: -117.16342

HIST UST:
Region: STATE
Facility ID: 00000010328
Facility Type: Other
Other Type: NEWSPAPER PUBLISHER
Contact Name: Not reported
Telephone: 6192993131
Owner Name: COPLEY PRESS INC.
Owner Address: 7776 IVANHOE AVENUE
Owner City,St,Zip: LA JOLLA, CA 92037
Total Tanks: 0006

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: .310
Leak Detection: Visual, Pressure Test

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: .237
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: 1981
Tank Capacity: 00000600
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: 1981
Tank Capacity: 00000150
Tank Used for: WASTE
Type of Fuel: WASTE OIL

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: .310
Leak Detection: Visual

Tank Num: 006
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: .310
Leak Detection: Visual

SWEEPS UST:
Status: Active
Comp Number: 174
Number: 9
Board Of Equalization: 44-021541
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000174-000003
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 5

Status: Active
Comp Number: 174
Number: 9
Board Of Equalization: 44-021541
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000174-000004
Tank Status: A
Capacity: 280
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Active

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Comp Number: 174
Number: 9
Board Of Equalization: 44-021541
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000174-000007
Tank Status: A
Capacity: 20000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 174
Number: 9
Board Of Equalization: 44-021541
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000174-000008
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 174
Number: 9
Board Of Equalization: 44-021541
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-000174-000009
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: OIL
STG: P
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 174
Number: Not reported
Board Of Equalization: 44-021541
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000174-000001
Tank Status:	Not reported
Capacity:	12000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	174
Number:	Not reported
Board Of Equalization:	44-021541
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000174-000002
Tank Status:	Not reported
Capacity:	2000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	174
Number:	Not reported
Board Of Equalization:	44-021541
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000174-000005
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	174
Number:	Not reported
Board Of Equalization:	44-021541
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-000174-000006
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 216053
Business Type: 6HK37
EPA Id Number: CAD981449556
APN: 437-260-41-00
Last HMMD Inspection: 03/06/2012
Permit Status: OPEN
Permit Expiration: 08/31/2013
Facility Owner: MLIM, LLC
Facility Address: 350 CAMINO DE LA REINA
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: MLIM, LLC DBA THE SAN DIEGO UNION-TRIBUNE, LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: N

UST:
UST Name: UNDERGROUND TANK 100174 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 216053
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100174 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 216053
Tank Type: UNKNOWN
Additional Id: 2
Capacity Gallons: 2000
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	SINGLE WALL
Additional Id:	3 DIESEL
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100174 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	SINGLE WALL
Additional Id:	4 WASTE
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100174 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	216053

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Tank Type:	UNKNOWN
Additional Id:	6
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100174 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	DIESEL, RT2917, RT3060/AT5540
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 100174 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	UNLEADED/ RT3060/AT5540
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 100174 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	MOTOR OIL / RT3060/AT5540
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Remove Close Date: 2012-05-09 00:00:00
Year Installed: 1986-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id: 216053
Update Date: 11/02/2012
Case Number: MIXTURE
Name: ANTI-SCALING LIQUID
Other Information: VITEC 3000
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL
Other Information: UNDERGROUND TANK 100174 T007 DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: MOTOR OIL
Other Information: UNDERGROUND TANK 100174 T009
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 7664-38-2

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Name: MAIN EDITION 3000 FOUNTAIN SOLUTION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 100174 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: STEEL MIX
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 7727-37-9
Name: NITROGEN/OXYGEN MIX
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 77-92-9
Name: CITRIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: MIXTURE
Name: INK:NEWS INK, VARIOUS COLORS
Other Information: Not reported
Material Waste: Material

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: COGEN/HYD PRESS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: MIXTURE
Name: IMPACT 6005
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: PROPANE GAS-CYLINDER (1 GALLON OF PROPANE = 37CF)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: SYNTHETIC HYDROCARBONS
Other Information: USA WASH
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: MOTOR OIL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	PACESETTER
Other Information:	655 FOUNTAIN SOLUTION
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	BLACK INK
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ABSORBENT, PADS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216053
Business Type:	6HK37
EPA Id Number:	CAD981449556
APN:	437-260-41-00
Last HMMD Inspection:	03/06/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	MLIM, LLC
Facility Address:	350 CAMINO DE LA REINA
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	MLIM, LLC DBA THE SAN DIEGO UNION-TRIBUNE, LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

UST:

UST Name:	UNDERGROUND TANK 100174 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100174 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100174 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	SINGLE WALL
Additional Id:	3 DIESEL
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 100174 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	SINGLE WALL
Additional Id:	4 WASTE

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 100174 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100174 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	6
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100174 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	DIESEL, RT2917, RT3060/AT5540
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 100174 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	UNLEADED/ RT3060/AT5540
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 100174 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	MOTOR OIL / RT3060/AT5540
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	ANTI-SCALING LIQUID
Other Information:	VITEC 3000
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 100174 T007 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Hazardous Categories 2: CHRONIC

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: MOTOR OIL
Other Information: UNDERGROUND TANK 100174 T009
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: MAIN EDITION 3000 FOUNTAIN SOLUTION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 100174 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE GAS
Other Information:	STEEL MIX
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN/OXYGEN MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	77-92-9
Name:	CITRIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	INK:NEWS INK, VARIOUS COLORS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	COGEN/HYD PRESS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	IMPACT 6005
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: PROPANE GAS-CYLINDER (1 GALLON OF PROPANE = 37CF)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: SYNTHETIC HYDROCARBONS
Other Information: USA WASH
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: MOTOR OIL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: MIXTURE
Name: PACESETTER
Other Information: 655 FOUNTAIN SOLUTION
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: MIXTURE
Name: BLACK INK
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT, PADS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 210897
Business Type: 6HK37
EPA Id Number: CAL000344744
APN: 437-260-41-00
Last HMMD Inspection: 11/15/2011
Permit Status: INAC
Permit Expiration: 10/31/2012
Facility Owner: UNION TRIBUNE PUBLISHING CO
Facility Address: 350 CAMINO DE LA REINA
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108
UST Owner: THE SAN DIEGO UNION-TRIBUNE, LLC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Y
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 100174 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 210897
Tank Type: UNKNOWN
Additional Id: 1
Capacity Gallons: 12000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: 1972-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 100174 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 210897
Tank Type: UNKNOWN
Additional Id: 2
Capacity Gallons: 2000
UST Contents: Not reported
Other Content Info: WASTE OIL

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	210897
Tank Type:	SINGLE WALL
Additional Id:	3 DIESEL
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100174 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	210897
Tank Type:	SINGLE WALL
Additional Id:	4 WASTE
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100174 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	210897
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	210897
Tank Type:	UNKNOWN
Additional Id:	6
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	210897
Tank Type:	DOUBLE WALL
Additional Id:	DIESEL, RT2917, RT3060
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 100174 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	210897
Tank Type:	DOUBLE WALL
Additional Id:	UNLEADED/ RT3060
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 100174 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	210897

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Tank Type:	DOUBLE WALL
Additional Id:	MOTOR OIL / RT3060
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Violations Inactive Permits:

Facility Id:	210897
Update Date:	11/02/2012
Inspection Date:	11/22/2010
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	Inactive Permit

Facility Id:	100174
Business Type:	6HK37
EPA Id Number:	CAD981449556
APN:	437-260-41-00
Last HMMD Inspection:	11/18/2008
Permit Status:	CHNG
Permit Expiration:	01/31/2010
Facility Owner:	COPLEY PRESS
Facility Address:	350 CAMINO DE LA REINA
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3003
UST Owner:	COPLEY PRESS INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 100174 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1972-01-01 00:00:00

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	SINGLE WALL
Additional Id:	3 DIESEL
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100174 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	SINGLE WALL
Additional Id:	4 WASTE
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

UST Name:	UNDERGROUND TANK 100174 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100174 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	UNKNOWN
Additional Id:	6
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 100174 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	DOUBLE WALL
Additional Id:	DIESEL, RT2917, RT3060
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 100174 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	DOUBLE WALL
Additional Id:	UNLEADED/ RT3060
Capacity Gallons:	12000

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 100174 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	100174
Tank Type:	DOUBLE WALL
Additional Id:	MOTOR OIL / RT3060
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	52
UST Monitor Method:	DW TANK DW SUCTION PIPE W/INTERSTITIAL HYDROSTATIC TANK, PIPING, SUMPS & VENT LINES; VISUAL MONIT FOR PIPE INSIDE BLDG: EGT ONLY

Facility Id:	216053
Business Type:	6HK37
EPA Id Number:	CAD981449556
APN:	437-260-41-00
Last HMMD Inspection:	03/06/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	MLIM, LLC
Facility Address:	350 CAMINO DE LA REINA
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	MLIM, LLC DBA THE SAN DIEGO UNION-TRIBUNE, LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

UST:

UST Name:	UNDERGROUND TANK 100174 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1972-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	SINGLE WALL
Additional Id:	3 DIESEL
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100174 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	SINGLE WALL
Additional Id:	4 WASTE
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1996-02-21 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 100174 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	5
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	UNKNOWN
Additional Id:	6
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 100174 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	DIESEL, RT2917, RT3060/AT5540
Capacity Gallons:	20000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 100174 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	216053

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Tank Type:	DOUBLE WALL
Additional Id:	UNLEADED/ RT3060/AT5540
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31A
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 100174 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	216053
Tank Type:	DOUBLE WALL
Additional Id:	MOTOR OIL / RT3060/AT5540
Capacity Gallons:	2000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	2012-05-09 00:00:00
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	ANTI-SCALING LIQUID
Other Information:	VITEC 3000
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	68476-34-6
Name:	DIESEL
Other Information:	UNDERGROUND TANK 100174 T007 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	MOTOR OIL
Other Information:	UNDERGROUND TANK 100174 T009
Material Waste:	Material
Hazardous Categories 1:	FIRE

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL OIL #2
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 7664-38-2
Name: MAIN EDITION 3000 FOUNTAIN SOLUTION
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 100174 T008
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 124-38-9
Name: CARBON DIOXIDE GAS
Other Information: STEEL MIX
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 216053

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN/OXYGEN MIX
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	77-92-9
Name:	CITRIC ACID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	INK:NEWS INK, VARIOUS COLORS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	ACUTE

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	COGEN/HYD PRESS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	IMPACT 6005
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	216053
Update Date:	11/02/2012
Case Number:	Not reported
Name:	PROPANE GAS-CYLINDER (1 GALLON OF PROPANE = 37CF)

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: SYNTHETIC HYDROCARBONS
Other Information: USA WASH
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: MOTOR OIL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: MIXTURE
Name: PACESETTER
Other Information: 655 FOUNTAIN SOLUTION
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 216053
Update Date: 11/02/2012
Case Number: MIXTURE
Name: BLACK INK
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: ACUTE

Facility Id: 216053
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT, PADS
Material Waste: Waste
Hazardous Categories 1: Not reported

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Hazardous Categories 2: Not reported

Click this hyperlink while viewing on your computer to access
7 additional CA_HMMD: record(s) in the EDR Site Report.

EMI:

Year:	1987
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2512
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	21
NOX - Oxides of Nitrogen Tons/Yr:	74
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	3
Part. Matter 10 Micrometers & Smllr Tons/Yr:	2

Year:	1990
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	9
Carbon Monoxide Emissions Tons/Yr:	7
NOX - Oxides of Nitrogen Tons/Yr:	2
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1995
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	35
Reactive Organic Gases Tons/Yr:	34
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Year:	1996
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	35
Reactive Organic Gases Tons/Yr:	34
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1997
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	35
Reactive Organic Gases Tons/Yr:	34
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	4
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	4
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	28
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	28

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	28
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.431258511
Reactive Organic Gases Tons/Yr:	2.541363037
Carbon Monoxide Emissions Tons/Yr:	27.9809063
NOX - Oxides of Nitrogen Tons/Yr:	7.257413889
SOX - Oxides of Sulphur Tons/Yr:	0.05948885
Particulate Matter Tons/Yr:	0.65623853
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.65623181
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.342438
Reactive Organic Gases Tons/Yr:	3.36544216
Carbon Monoxide Emissions Tons/Yr:	38.76166
NOX - Oxides of Nitrogen Tons/Yr:	7.55526
SOX - Oxides of Sulphur Tons/Yr:	.06150121
Particulate Matter Tons/Yr:	.7195002490351947752
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.7152071
Year:	2006

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7.682348322
Reactive Organic Gases Tons/Yr:	6.559161185
Carbon Monoxide Emissions Tons/Yr:	51.683414564
NOX - Oxides of Nitrogen Tons/Yr:	8.383484271
SOX - Oxides of Sulphur Tons/Yr:	.071356738
Particulate Matter Tons/Yr:	.830199979
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.830195879

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.795841
Reactive Organic Gases Tons/Yr:	4.762239
Carbon Monoxide Emissions Tons/Yr:	.54654
NOX - Oxides of Nitrogen Tons/Yr:	.39389
SOX - Oxides of Sulphur Tons/Yr:	.00216243
Particulate Matter Tons/Yr:	.0234361
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0234361

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.2857129
Reactive Organic Gases Tons/Yr:	4.27923738
Carbon Monoxide Emissions Tons/Yr:	.190244
NOX - Oxides of Nitrogen Tons/Yr:	.180769
SOX - Oxides of Sulphur Tons/Yr:	.00117614
Particulate Matter Tons/Yr:	.0113245
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.0113229

SAN DIEGO CO. SAM:

Case Number:	H00174-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	12/8/1997

UNION TRIBUNE PUBLISHING COMPANY (Continued) **1000338033**

Date Began: 5/16/1986

Case Number: H00174-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/18/2008
Date Began: 2/21/1996

Case Number: H00174-003
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/9/2008
Date Began: 7/3/1997

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79 **SAN DIEGO UNION TRIBUNE LLC** **CA EMI** **S113748614**
350 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.8099999999999996
Reactive Organic Gases Tons/Yr:	3.8500000000000001
Carbon Monoxide Emissions Tons/Yr:	36.219999999999999
NOX - Oxides of Nitrogen Tons/Yr:	7.9800000000000004
SOX - Oxides of Sulphur Tons/Yr:	5.9999999999999998E-2
Particulate Matter Tons/Yr:	0.71999999999999997
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.71999999999999997

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.7908065000000004
Reactive Organic Gases Tons/Yr:	3.81573663
Carbon Monoxide Emissions Tons/Yr:	36.207796999999999
NOX - Oxides of Nitrogen Tons/Yr:	7.9851840000000003
SOX - Oxides of Sulphur Tons/Yr:	6.0759199999999999E-2
Particulate Matter Tons/Yr:	0.71782389999999996
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.71782239999999997

79 **SAN DIEGO UNION TRIBUNE LLC** **CA EMI** **S116288253**
350CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.81
Reactive Organic Gases Tons/Yr:	3.85
Carbon Monoxide Emissions Tons/Yr:	36.22
NOX - Oxides of Nitrogen Tons/Yr:	7.98
SOX - Oxides of Sulphur Tons/Yr:	0.06
Particulate Matter Tons/Yr:	0.72
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.72

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	1976
Air District Name:	SD
SIC Code:	2711
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5.05
Reactive Organic Gases Tons/Yr:	4.75
Carbon Monoxide Emissions Tons/Yr:	12.2
NOX - Oxides of Nitrogen Tons/Yr:	2.5
SOX - Oxides of Sulphur Tons/Yr:	0.02
Particulate Matter Tons/Yr:	0.22
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.22

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79 **UNION TRIBUNE** **CA RGA LUST** **S114709455**
350 CAMINO DE LA REIN **N/A**
SAN DIEGO, CA

RGA LUST:

2004	UNION TRIBUNE	350 CAMINO DE LA REIN

79 **MANCHESTER FINANCIAL GROUP** **CA HAZNET** **S113772290**
350 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113772290
Year:	2012
GEPAID:	CAC002684396
Contact:	ROBERT AGUILAR
Telephone:	6199647669
Mailing Name:	Not reported
Mailing Address:	350 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	San Diego
TSD EPA ID:	AZC950823111
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	5.2
Facility County:	San Diego

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79 **THE SAN DIEGO UNION TRIBUNE LLC** **CA HAZNET** **S113006601**
350 CAMINO DE LA REINA **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113006601
Year:	2013
GEPAID:	CAD981449556
Contact:	GONZALO RAMOS
Telephone:	6192931075
Mailing Name:	Not reported
Mailing Address:	350 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 921083003
Gen County:	San Diego
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4735
Facility County:	Not reported

envid:	S113006601
Year:	2013
GEPAID:	CAD981449556
Contact:	GONZALO RAMOS
Telephone:	6192931075
Mailing Name:	Not reported
Mailing Address:	350 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 921083003
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.22935
Facility County:	Not reported

THE SAN DIEGO UNION TRIBUNE LLC (Continued) **S113006601**

envid:	S113006601
Year:	2013
GEPAID:	CAD981449556
Contact:	GONZALO RAMOS
Telephone:	6192931075
Mailing Name:	Not reported
Mailing Address:	350 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 921083003
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.209
Facility County:	Not reported

envid:	S113006601
Year:	2012
GEPAID:	CAD981449556
Contact:	GONZALO RAMOS
Telephone:	6192931075
Mailing Name:	Not reported
Mailing Address:	350 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 921083003
Gen County:	San Diego
TSD EPA ID:	AZR000506980
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Not reported
Tons:	4.4
Facility County:	San Diego

envid:	S113006601
Year:	2012
GEPAID:	CAD981449556
Contact:	GONZALO RAMOS
Telephone:	6192931075
Mailing Name:	Not reported
Mailing Address:	350 CAMINO DE LA REINA
Mailing City,St,Zip:	SAN DIEGO, CA 921083003
Gen County:	San Diego
TSD EPA ID:	CAD097030993
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.124
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
410 additional CA_HAZNET: record(s) in the EDR Site Report.

80 **EDR US Hist Cleaners** **1015065729**
4794 ARIZONA ST **N/A**
SAN DIEGO, CA 92116

EDR Historical Cleaners:

Name:	URRUTIAS CARPET CLEANING
Year:	2006
Address:	4794 ARIZONA ST
Name:	URRUTIAS CARPET CLEANING
Year:	2007
Address:	4794 ARIZONA ST
Name:	URRUTIAS CARPET CLEANING
Year:	2008
Address:	4794 ARIZONA ST

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81 **AVON CAR RENTAL** **CA SWEEPS UST** **S104747201**
1111 FASHION VALLEY RD **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Not reported
Comp Number:	12115
Number:	Not reported
Board Of Equalization:	44-022519
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012115-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	112115
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	437-260-43-00
Last HMMD Inspection:	03/06/1990
Permit Status:	INAC
Permit Expiration:	03/06/1990
Facility Owner:	STUART SILVER
Facility Address:	1111 FASHION VALLEY RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-1102
UST Owner:	SOUTHWEST LEASING CORP
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

AVON CAR RENTAL (Continued) **S104747201**

UST:
- UST Name: UNDERGROUND TANK 112115 T001
- Last Update: 2012-11-02 14:17:38
- Permit Number: 112115
- Tank Type: SINGLE WALL
- Additional Id: 3096A
- Capacity Gallons: 10000
- UST Contents: REGULAR UNLEADED
- Other Content Info: REGULAR UNLEADED
- Reg Status: REMOVED
- Remove Close Date: 1993-02-02 00:00:00
- Year Installed: Not reported
- Pipe Type: Not reported
- Delivery System: SUCTION
- Monitor Code: 90
- UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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82 **U WASH** **EDR US Hist Cleaners** **1009128447**
2602 ADAMS DR **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:
- Name: U WASH
- Year: 1970
- Type: LAUNDRIES SELF SERVE

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82 **BOULEVARD DODGE** **EDR US Hist Auto Stat** **1008997089**
2624 ADAMS AVE **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
- Name: SCARBROW A L
- Year: 1938
- Type: AUTOMOBILE REPAIRING

- Name: SCARBOROUGH A L
- Year: 1943
- Type: AUTOMOBILE REPAIRING

- Name: SEARBROUGH A L
- Year: 1948
- Type: AUTOMOBILE REPAIRING

- Name: BOULEVARD DODGE
- Year: 1961
- Type: AUTOMOBILE REPAIRING

- Name: NATIONAL AUTO BODY
- Year: 1966
- Type: AUTOMOBILE REPAIRING

- Name: DARBYS PAINT & BODY SHOP
- Year: 1999
- Address: 2624 ADAMS AVE

BOULEVARD DODGE (Continued) **1008997089**

Name: DARBYS PAINT & BODY SHOP
Year: 2000
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTO BODY
Year: 2001
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTO BODY
Year: 2002
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTO BODY INC
Year: 2003
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTO BODY INC
Year: 2008
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTO BODY
Year: 2009
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTOBODY SHOP
Year: 2010
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTOBODY
Year: 2011
Address: 2624 ADAMS AVE

Name: DARBYS PAINT & AUTOBODY
Year: 2012
Address: 2624 ADAMS AVE

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82 **ADAMS AVENUE CLEANERS** **EDR US Hist Cleaners** **1009128112**
2604 ADAMS AVE **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name: ADAMS AVENUE CLEANERS
Year: 1966
Type: CLEANERS AND DYERS

Name: ADAMS AVENUE CLEANERS
Year: 1970
Type: CLEANERS AND DYERS

82 **U WASH** **EDR US Hist Cleaners** **1009127542**
2602 ADAMS AVE **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	FOSTER D M
Year:	1938
Type:	LAUNDRIES HAND
Name:	U WASH
Year:	1961
Type:	LAUNDRIES-SELF SERVE
Name:	U WASH
Year:	1966
Type:	LAUNDRIES - SELF SERVE

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82 **EDR US Hist Auto Stat** **1015512234**
4747 OREGON ST **N/A**
SAN DIEGO, CA 92116

EDR Historical Auto Stations:

Name:	MARCO A AGUIRRE
Year:	2003
Address:	4747 OREGON ST

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83 **VALERO STATION #3741** **CA HIST CORTESE** **S104746016**
3150 ADAMS AV **CA LUST** **N/A**
SAN DIEGO, CA 92116 **CA San Diego Co. HMMD**
CA HAZNET
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT236

LUST:

Region:	STATE
Global Id:	T0608128993
Latitude:	32.763586
Longitude:	-117.126258
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/08/2013
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CF
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H04752-002
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	A commercial service station has been in operation at the northeast corner of Adams Avenue and Mountain View Drive in San Diego since at least 1953. The layout of the service station includes one building and three dispenser islands beneath a canopy and has not changed

VALERO STATION #3741 (Continued) **S104746016**

appreciably since 1964. On January 8, 1987, one steel, 10,000-gallon underground storage tank (UST) and one 280-gallon waste oil UST were removed from the 0.25-acre property. The 10,000-gallon UST had been located immediately north of the station canopy, while the waste oil UST was located in the northeast portion of the property behind the service station store building. Two additional 10,000-gallon USTs located beneath the canopy structure at the station were subsequently abandoned in place with concrete slurry, presumably after April 1987, although the date of the UST closures is unknown. The three 10,000-gallon USTs had stored gasoline and were replaced by three, fiberglass-clad, steel USTs. The excavation for the 10,000-gallon UST that was removed was enlarged between the dispenser islands/canopy and the store building to accommodate the three replacement USTs. Analytical results for soil samples collected at the base of the gasoline and waste oil UST excavations indicated petroleum hydrocarbon releases had occurred and an unauthorized release case (#H04752-001) was opened for the site on January 13, 1987. Subsurface exploration indicated that petroleum hydrocarbon impacts extended to a depth of approximately 65 feet below the ground surface (bgs). Soil vapor extraction, accompanied by use of an incinerator, was implemented to mitigate the petroleum hydrocarbon-impacted soil at the site. Because groundwater was estimated to occur at a depth of greater than 100 feet in the area, it was not investigated. The case was closed on February 3, 1994, after soil sample analytical results for a confirmation boring located north of the new UST excavation indicated no detection of petroleum hydrocarbons to a depth of 75 bgs. In December 2001, the dispensers and piping at the service station were upgraded. Nine soil samples were collected from beneath the three former dispenser islands at depths of approximately 2 to 2.5 feet bgs, while three soil samples were collected beneath former product lines. An additional three samples were collected beneath the westernmost former dispenser island in order to assess the vertical extent of petroleum hydrocarbon-impacted soil encountered during sampling activities. Each of the dispenser island samples indicated impacts by gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX), as well as the fuel oxygenates methyl-tert-butyl ether (MTBE) and tert-butyl alcohol (TBA). The highest concentrations of these chemicals of concern were detected in the samples collected beneath the former center dispenser island. The analytical results for soil samples collected beneath the product piping indicated impacts by gasoline and MTBE. Based on these data, DEH Case #H04752-002 was opened on February 1, 2002. Site assessment activities were initiated with the installation of three onsite groundwater monitoring wells to depths of 110, 118, and 120 feet bgs, respectively. Liquid-phase hydrocarbons (LPH) were detected in one of the newly-installed monitoring wells. Analytical results for groundwater samples collected from the remaining two wells indicated that groundwater had been impacted by the gasoline release. Groundwater monitoring and sampling were subsequently performed on a quarterly basis. LPH was detected in a second well for the first time in June 2005. An additional onsite groundwater monitoring well and two off-site monitoring wells were installed in September and October 2006. The maximum thickness of LPH (5.70 feet) was measured in an on-site well in 2007. LPH was also detected in a third onsite well in 2007 during one monitoring round at a thickness of 0.18-foot. A semi-annual monitoring andsampling schedule was initiated in the second half of 2009. Three additional off-site groundwater monitoring wells were

VALERO STATION #3741 (Continued) **S104746016**

installed in April 2010, and one off-site well was installed in February 2012. Hand-bailing of LPH from the two onsite wells was performed intermittently from 2007 through 2011, and absorbent socks were deployed from 2009 through 2012. Delineation of the dissolved contaminant plume was achieved upon analysis of groundwater samples collected in April 2012. The sampling round included the newly-installed monitoring well located south of the site. TPH as gasoline, BTEX, and fuel oxygenates were not detected in the groundwater sample collected from the well. LPH thicknesses two onsite wells were measured as 0.04 and 0.05-foot, respectively. Geologic logging for borings and wells installed at the site indicate the presence of a silty clay layer to a depth of approximately 8 feet beneath the site, which is underlain by interbedded sands and cobbles to the total depth explored. Horizon Environmental, Inc. (Horizon), the consultant for Ultramar, Inc., submitted a Corrective Action Plan (CAP) for the site in March 2013. The CAP was revised and resubmitted in May 2013. Trend analyses for groundwater contaminant concentrations indicate decreasing trends for benzene, MTBE, and TBA, particularly since 2010. Horizon estimates that contaminant concentrations will fall below their respective Maximum Contaminant Levels (MCLs) within 5 to 30 years. Although the site is located within a hydrologic basin with beneficial uses, the nearest production well is located approximately 5,500 feet northwest of the site in Mission Valley. Based on the decreasing contaminant concentration trends, the stability of the dissolved contaminant plume, the decrease in LPH thickness to less than 0.1-foot, and the lack of sensitive receptors in the area, Horizon has recommended remediation of site soil and groundwater by natural attenuation, no further action, and case closure. DEH concurs with these recommendations.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0608128993
Contact Type:	Local Agency Caseworker
Contact Name:	CAROL FENNER
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	carol.fenner@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0608128993
Status:	Completed - Case Closed
Status Date:	08/08/2013
Global Id:	T0608128993
Status:	Open - Case Begin Date
Status Date:	12/11/2001
Global Id:	T0608128993
Status:	Open - Eligible for Closure
Status Date:	07/16/2013
Global Id:	T0608128993

VALERO STATION #3741 (Continued) **S104746016**

Status: Open - Eligible for Closure
Status Date: 08/08/2013

Global Id: T0608128993
Status: Open - Site Assessment
Status Date: 12/11/2001

Regulatory Activities:
Global Id: T0608128993
Action Type: Other
Date: 12/11/2001
Action: Leak Began

Global Id: T0608128993
Action Type: RESPONSE
Date: 09/17/2012
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0608128993
Action Type: RESPONSE
Date: 05/09/2013
Action: CAP/RAP - Feasibility Study Report - Regulator Responded

Global Id: T0608128993
Action Type: RESPONSE
Date: 03/26/2013
Action: CAP/RAP - Feasibility Study Report - Regulator Responded

Global Id: T0608128993
Action Type: RESPONSE
Date: 10/30/2010
Action: Soil and Water Investigation Report

Global Id: T0608128993
Action Type: RESPONSE
Date: 12/31/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0608128993
Action Type: Other
Date: 12/11/2001
Action: Leak Discovery

Global Id: T0608128993
Action Type: REMEDIATION
Date: 10/31/2007
Action: Free Product Removal

Global Id: T0608128993
Action Type: Other
Date: 12/11/2001
Action: Leak Stopped

Global Id: T0608128993
Action Type: RESPONSE
Date: 10/31/2011
Action: Monitoring Report - Semi-Annually

VALERO STATION #3741 (Continued) **S104746016**

Global Id: T0608128993
Action Type: ENFORCEMENT
Date: 02/03/2003
Action: Notice of Responsibility

Global Id: T0608128993
Action Type: RESPONSE
Date: 12/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0608128993
Action Type: ENFORCEMENT
Date: 08/08/2013
Action: Closure/No Further Action Letter

Global Id: T0608128993
Action Type: Other
Date: 12/11/2001
Action: Leak Reported

Global Id: T0608128993
Action Type: RESPONSE
Date: 07/31/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0608128993
Action Type: RESPONSE
Date: 08/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0608128993
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0608128993
Action Type: ENFORCEMENT
Date: 09/01/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0608128993
Action Type: RESPONSE
Date: 04/30/2011
Action: Monitoring Report - Semi-Annually - Regulator Responded

Global Id: T0608128993
Action Type: RESPONSE
Date: 09/06/2011
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0608128993
Action Type: RESPONSE
Date: 07/31/2012
Action: Monitoring Report - Semi-Annually - Regulator Responded

Region: STATE

VALERO STATION #3741 (Continued) **S104746016**

Global Id:	T0607301131
Latitude:	32.763628
Longitude:	-117.126292
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/03/1994
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT236
LOC Case Number:	H04752-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301131
Status:	Completed - Case Closed
Status Date:	02/03/1994

Global Id:	T0607301131
Status:	Open - Case Begin Date
Status Date:	01/13/1987

Regulatory Activities:

Global Id:	T0607301131
Action Type:	ENFORCEMENT
Date:	01/13/1987
Action:	Notice of Responsibility

SAN DIEGO CO. HMMD:

Facility Id:	104752
Business Type:	6HK28
EPA Id Number:	CAL000323835
APN:	439-381-14-00
Last HMMD Inspection:	02/15/2012
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	VALERO CALIFORNIA RETAIL COMPANY
Facility Address:	685 W 03RD ST
Facility City:	HANFORD
Facility State:	CA
Facility Zip:	93230-5016
UST Owner:	ULTRAMAR INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104752 T001

VALERO STATION #3741 (Continued) **S104746016**

Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	DOUBLE WALL
Additional Id:	RT1710/RT4199, RT4150
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 104752 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	DOUBLE WALL
Additional Id:	RT1710, RT2865/RT4199, RT4150
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	PLUS UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 104752 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	DOUBLE WALL
Additional Id:	6, RT2865/RT4199, RT4150
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 104752 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	LEADED

VALERO STATION #3741 (Continued) **S104746016**

Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 104752 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 104752 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	104752
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 104752 T001 REGULAR UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	104752
Update Date:	11/02/2012
Case Number:	Not reported

VALERO STATION #3741 (Continued) **S104746016**

Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: USED ABSORBENT
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 104752
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 104752 T003 SUPER UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 104752
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: MIDGRADE UNLEADED
Other Information: UNDERGROUND TANK 104752 T002 PLUS UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 104752
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: WATER & FUEL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 104752
Update Date: 11/02/2012
Inspection Date: 02/10/2009
Violation Code: 6HV0227
Violation: HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation: Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity: ACTIVE

Facility Id: 104752
Update Date: 11/02/2012
Inspection Date: 02/28/2003
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

Facility Id: 104752
Update Date: 11/02/2012
Inspection Date: 02/28/2003
Violation Code: 6HV3104
Violation: FORMS A & B NOT AVAIL./SUBMITTED

VALERO STATION #3741 (Continued) **S104746016**

Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/25/2004
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/22/2005
Violation Code:	6HV3260
Violation:	DISPENSER CONT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) & (g)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Facility Id:	104752

VALERO STATION #3741 (Continued) **S104746016**

Update Date:	11/02/2012
Inspection Date:	02/25/2004
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/22/2005
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/15/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003

VALERO STATION #3741 (Continued) **S104746016**

Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/22/2005
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/15/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3151

VALERO STATION #3741 (Continued) **S104746016**

Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/25/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV0228

VALERO STATION #3741 (Continued) **S104746016**

Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE
Facility Id:	104752
Business Type:	6HK28
EPA Id Number:	CAL000323835
APN:	439-381-14-00
Last HMMD Inspection:	02/15/2012
Permit Status:	OPEN
Permit Expiration:	12/31/2012
Facility Owner:	VALERO CALIFORNIA RETAIL COMPANY
Facility Address:	685 W 03RD ST
Facility City:	HANFORD
Facility State:	CA
Facility Zip:	93230-5016
UST Owner:	ULTRAMAR INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104752 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	DOUBLE WALL
Additional Id:	RT1710/RT4199, RT4150
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 104752 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	DOUBLE WALL
Additional Id:	RT1710, RT2865/RT4199, RT4150
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	PLUS UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF &

VALERO STATION #3741 (Continued) **S104746016**

FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 104752 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	DOUBLE WALL
Additional Id:	6, RT2865/RT4199, RT4150
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1986-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 104752 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	10000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104752 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 104752 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	104752
Tank Type:	SINGLE WALL

VALERO STATION #3741 (Continued) **S104746016**

Additional Id:	3
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	104752
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 104752 T001 REGULAR UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	104752
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	USED ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	104752
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	PREMIUM UNLEADED
Other Information:	UNDERGROUND TANK 104752 T003 SUPER UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	104752
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	MIDGRADE UNLEADED
Other Information:	UNDERGROUND TANK 104752 T002 PLUS UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	104752
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	WATER & FUEL
Material Waste:	Waste
Hazardous Categories 1:	Not reported

VALERO STATION #3741 (Continued) **S104746016**

Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE

Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/25/2004
Violation Code:	6HV3251
Violation:	MONITOR IN ALARM AT START OF INSPECTION
Violation Citation:	Monitor in alarm at beginning of inspection. Alarm not investigated, recorded or reported. 2632 (c)(2)(B), 2650(e)(3)&(4), 2630(d)
Activity:	ACTIVE

Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/22/2005
Violation Code:	6HV3260
Violation:	DISPENSER CONT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) & (g)
Activity:	ACTIVE

Facility Id:	104752

VALERO STATION #3741 (Continued) **S104746016**

Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3158
Violation:	ALL OPERATING CONDITIONS NOT MET
Violation Citation:	All permit operating conditions not met. 25284; 2712
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/25/2004
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/22/2005
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/27/2006
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD

VALERO STATION #3741 (Continued) **S104746016**

Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/15/2007
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV0135
Violation:	MANIFESTS/RECEIPTS FOR 3 YEARS NOT ONSIT
Violation Citation:	Hazardous waste manifests/receipts for 3 years are not maintained onsite to document proper disposal of hazardous waste. CCR 66262.40(a) & 25160.2(b)(3)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/22/2005
Violation Code:	6HV1009
Violation:	HMBP: INADEQUATE SITE MAP
Violation Citation:	Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD.

VALERO STATION #3741 (Continued) **S104746016**

	25286(a); 2711
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/15/2007
Violation Code:	6HV3263
Violation:	MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation:	Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/28/2003
Violation Code:	6HV3151
Violation:	ALL RELEASES NOT REPORTED/RECORDED
Violation Citation:	All releases not recorded and/or reported. 25294, 25295, 2650, 2651, 2652
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)

VALERO STATION #3741 (Continued) **S104746016**

Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/25/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Facility Id:	104752
Update Date:	11/02/2012
Inspection Date:	02/10/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	ACTIVE

HAZNET:

envid:	S104746016
Year:	2013
GEPAID:	CAL000384041
Contact:	JULIE JOHNS
Telephone:	5595833333
Mailing Name:	Not reported
Mailing Address:	685 W THIRD ST
Mailing City,St,Zip:	HANFORD, CA 932300000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.084
Facility County:	Not reported
envid:	S104746016
Year:	2013
GEPAID:	CAL000384041
Contact:	JULIE JOHNS
Telephone:	5595833333
Mailing Name:	Not reported
Mailing Address:	685 W THIRD ST
Mailing City,St,Zip:	HANFORD, CA 932300000

VALERO STATION #3741 (Continued) **S104746016**

Gen County: San Diego
TSD EPA ID: NVT330010000
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.125
Facility County: Not reported

SAN DIEGO CO. SAM:
Case Number: H04752-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 2/3/1994
Date Began: 12/11/1986

Case Number: H04752-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Preliminary Assessment
Date: 12/11/2001
Date Began: 12/11/2001

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83 **ULTRAMAR STATION #1-741** **CA LUST** **S104164177**
3150 ADAMS AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT236
Local Case: H04752-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: EDVS
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Remove Contents
Source: Tank
Cause: Overfill
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 01/06/1987
Date Stopped: 01/06/1987
Confirm Date: 01/08/1987
Submit Workplan: Not reported
Prelim Assess: 12/01/1986
Desc Pollution: 2/1/87
Remed Plan: / /
Remed Action: 7/30/87
Began Monitor: Not reported
Release Date: 01/12/1987
Enforce Date: 1/13/87
Closed Date: 2/3/94

ULTRAMAR STATION #1-741 (Continued) **S104164177**

Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >200
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 4752
Number: 9
Board Of Equalization: 44-002238
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004752-000001
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 3

Status: Active
Comp Number: 4752
Number: 9
Board Of Equalization: 44-002238
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004752-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 4752
Number: 9
Board Of Equalization: 44-002238
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004752-000003
Tank Status: A

ULTRAMAR STATION #1-741 (Continued) **S104164177**

Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	4752
Number:	Not reported
Board Of Equalization:	44-002238
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004752-000004
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	3
Status:	Not reported
Comp Number:	4752
Number:	Not reported
Board Of Equalization:	44-002238
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004752-000005
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	4752
Number:	Not reported
Board Of Equalization:	44-002238
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004752-000006
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

83 **A & M AUTO REPAIR** **CA LUST** **S101301871**
3250 ADAMS AVE **N/A**
SAN DIEGO, CA 91911

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2280
Local Case:	H12927-001
Substance:	Gasoline
Qty Leaked:	14000
Abate Method:	No Action Taken - no action has as yet been taken at the site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	10/13/1992
Date Stopped:	10/13/1992
Confirm Date:	10/13/1992
Submit Workplan:	10/20/92
Prelim Assess:	04/12/1993
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	10/13/1992
Enforce Date:	Not reported
Closed Date:	8/23/96
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	4’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	1C
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

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83 **GLEN CLEANERS** **RCRA-SQG** **1000304506**
3190 ADAMS **FINDS** **CAD981670136**
SAN DIEGO, CA 92116 **CA SLIC**
CA DRYCLEANERS
CA San Diego Co. HMMD
CA EMI

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	GLEN CLEANERS
Facility address:	3190 ADAMS
	SAN DIEGO, CA 92116
EPA ID:	CAD981670136
Contact:	Not reported
Contact address:	Not reported
	Not reported
Contact country:	US

GLEN CLEANERS (Continued) **1000304506**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ANA LOFTIN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/18/1986
Site name: GLEN CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

GLEN CLEANERS (Continued) **1000304506**

Registry ID: 110002744406

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

SLIC:

Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	12/17/2013
Global Id:	T10000005452
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	DEH2013-LSAM-000215
Latitude:	32.763636277062
Longitude:	-117.125118588955
Case Type:	Cleanup Program Site
Case Worker:	CH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	This is a new VAP case. This section will be updated as data is received.

Click here to access the California GeoTracker records for this facility:

DRYCLEANERS:

EPA Id:	CAC002785891
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	09/15/2014
Facility Active:	No
Inactive Date:	12/15/2014
Facility Addr2:	Not reported
Owner Name:	3190 ADAMS AVE. LLC
Owner Address:	958 WILD OAK RD.
Owner Address 2:	Not reported
Owner Telephone:	6193974621
Contact Name:	ANA LOFTIN
Contact Address:	958 WILD OAK RD.
Contact Address 2:	Not reported
Contact Telephone:	6193974621
Mailing Name:	Not reported
Mailing Address 1:	958 WILD OAK RD.
Mailing Address 2:	Not reported
Mailing City:	CHULA VISTA

GLEN CLEANERS (Continued) **1000304506**

Mailing State: CA
Mailing Zip: 91910
Owner Fax: Not reported
Region Code: Not reported

EPA Id: CAL000284979
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 07/23/2004
Facility Active: No
Inactive Date: 02/13/2009
Facility Addr2: Not reported
Owner Name: JEANNETTE MANOUSHAKIAN
Owner Address: 855 MORENA BLVD
Owner Address 2: Not reported
Owner Telephone: 6192954700
Contact Name: AMIR ALI
Contact Address: 855 MORENA BLVD
Contact Address 2: Not reported
Contact Telephone: 6192954700
Mailing Name: Not reported
Mailing Address 1: 855 MORENA BLVD
Mailing Address 2: Not reported
Mailing City: SAN DIEGO
Mailing State: CA
Mailing Zip: 921220000
Owner Fax: Not reported
Region Code: 0000000000

SAN DIEGO CO. HMMD:
Facility Id: 206816
Business Type: 6HK53
EPA Id Number: Not reported
APN: 439-381-20-00
Last HMMD Inspection: 06/02/2006
Permit Status: INAC
Permit Expiration: 10/31/2006
Facility Owner: GLEN CLEANERS
Facility Address: 3190 ADAMS AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92116
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 206816
Update Date: 11/02/2012
Inspection Date: 06/02/2006
Violation Code: 6HV1001

GLEN CLEANERS (Continued) **1000304506**

Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity: Inactive Permit

Facility Id: 206816
Update Date: 11/02/2012
Inspection Date: 06/02/2006
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: Inactive Permit

Facility Id: 210087
Business Type: 6HK53
EPA Id Number: CAL000284979
APN: 439-381-20-00
Last HMMD Inspection: 03/29/2012
Permit Status: INAC
Permit Expiration: 12/31/2009
Facility Owner: GLEN CLEANERS
Facility Address: 3190 ADAMS AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92116
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Violations Inactive Permits:
Facility Id: 210087
Update Date: 11/02/2012
Inspection Date: 04/30/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: Inactive Permit

Facility Id: 210087
Update Date: 11/02/2012
Inspection Date: 04/30/2010
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: Inactive Permit

Facility Id: 210087
Update Date: 11/02/2012
Inspection Date: 04/30/2010
Violation Code: 6HV1001

GLEN CLEANERS (Continued) **1000304506**

Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	Inactive Permit

Facility Id:	102692
Business Type:	6HK53
EPA Id Number:	CAD981414341
APN:	439-381-20-00
Last HMMD Inspection:	04/30/2004
Permit Status:	CHNG
Permit Expiration:	10/31/2004
Facility Owner:	ANA M LOFTIN
Facility Address:	3190 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116-1637
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	203734
Business Type:	6HK53
EPA Id Number:	CAL000284979
APN:	439-381-20-00
Last HMMD Inspection:	01/10/2008
Permit Status:	CHNG
Permit Expiration:	11/30/2008
Facility Owner:	JEANNETTE MANOUSHAKIAN
Facility Address:	3190 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Click this hyperlink while viewing on your computer to access
3 additional CA_HMMD: record(s) in the EDR Site Report.

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD

GLEN CLEANERS (Continued) **1000304506**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

GLEN CLEANERS (Continued) **1000304506**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.1242
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2006
County Code:	37

GLEN CLEANERS (Continued) **1000304506**

Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.2
Reactive Organic Gases Tons/Yr:	.13972
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

GLEN CLEANERS (Continued) **1000304506**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.20000000000000001
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.20000000000000001
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	653
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

GLEN CLEANERS (Continued) **1000304506**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

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83 **ADAM AUTO REPAIR** **CA HIST CORTESE** **S100853866**
3250 ADAMS AV **CA LUST** **N/A**
SAN DIEGO, CA 92116 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2280

LUST:
Region: STATE
Global Id: T0607301047
Latitude: 32.7636449
Longitude: -117.123653
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/23/1996
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2280
LOC Case Number: H12927-001
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301047
Status: Open - Case Begin Date
Status Date: 10/15/1992

Global Id: T0607301047
Status: Completed - Case Closed
Status Date: 08/23/1996

Regulatory Activities:
Global Id: T0607301047
Action Type: ENFORCEMENT
Date: 08/06/1996
Action: Closure/No Further Action Letter - #H12927-001

Global Id: T0607301047
Action Type: ENFORCEMENT
Date: 10/15/1992
Action: Notice of Responsibility

ADAM AUTO REPAIR (Continued) **S100853866**

SWEEPS UST:

Status:	Active
Comp Number:	12927
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12927
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012927-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	12927
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012927-000002
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12927
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported

ADAM AUTO REPAIR (Continued) **S100853866**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012927-000003
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12927
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012927-000004
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	216372
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	439-391-15-00
Last HMMD Inspection:	04/24/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	FEEDIL FRANSO
Facility Address:	3250 ADAMS AVE
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	216372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	Not reported
Material Waste:	Waste

ADAM AUTO REPAIR (Continued) **S100853866**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216372
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216372
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216372
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 216372
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 216372
Update Date: 11/02/2012
Inspection Date: 04/24/2012
Violation Code: 6HV0132
Violation: EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation: Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity: ACTIVE

Facility Id: 216372
Update Date: 11/02/2012
Inspection Date: 04/24/2012
Violation Code: 6HV1002
Violation: HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation: Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity: ACTIVE

ADAM AUTO REPAIR (Continued) **S100853866**

Facility Id:	211298
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	439-391-15-00
Last HMMD Inspection:	09/23/2009
Permit Status:	INAC
Permit Expiration:	01/31/2010
Facility Owner:	FRANKS HONDA & TOYOTA
Facility Address:	3250 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	211298
Update Date:	11/02/2012
Inspection Date:	09/23/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	Inactive Permit

Facility Id:	211298
Update Date:	11/02/2012
Inspection Date:	09/23/2009
Violation Code:	6HV0228
Violation:	CONTAINER NOT KEPT CLOSED
Violation Citation:	Failed to keep container closed. CFR 265.173
Activity:	Inactive Permit

Facility Id:	216372
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	439-391-15-00
Last HMMD Inspection:	04/24/2012
Permit Status:	OPEN
Permit Expiration:	08/31/2013
Facility Owner:	FEEDIL FRANSO
Facility Address:	3250 ADAMS AVE
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

ADAM AUTO REPAIR (Continued) **S100853866**

Active Permits:

Facility Id:	216372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	216372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	PARTS WASHER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	216372
Update Date:	11/02/2012
Inspection Date:	04/24/2012
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)
Activity:	ACTIVE

ADAM AUTO REPAIR (Continued) **S100853866**

Facility Id:	216372
Update Date:	11/02/2012
Inspection Date:	04/24/2012
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	209302
Business Type:	6HK26
EPA Id Number:	CAL000331982
APN:	439-391-15-00
Last HMMD Inspection:	05/07/2008
Permit Status:	CHNG
Permit Expiration:	10/31/2008
Facility Owner:	HUY NGUYEN
Facility Address:	3250 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	211298
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	439-391-15-00
Last HMMD Inspection:	09/23/2009
Permit Status:	INAC
Permit Expiration:	01/31/2010
Facility Owner:	FRANKS HONDA & TOYOTA
Facility Address:	3250 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116
UST Owner:	Not reported
Handle Regulated Hazmat:	N
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Violations Inactive Permits:

Facility Id:	211298
Update Date:	11/02/2012
Inspection Date:	09/23/2009
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)

ADAM AUTO REPAIR (Continued) **S100853866**

Activity: Inactive Permit

Facility Id: 211298
Update Date: 11/02/2012
Inspection Date: 09/23/2009
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: Inactive Permit

Click this hyperlink while viewing on your computer to access
24 additional CA_HMMD: record(s) in the EDR Site Report.

SAN DIEGO CO. SAM:
Case Number: H12927-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 8/23/1996
Date Began: 10/13/1992

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84 **MIDWAY JEEP/CHRYSLER** **CA AST** **S106060321**
777 CAMINO DEL RIO **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

AST:
Certified Unified Program Agencies: San Diego
Owner: JOE GARDON
Total Gallons: 1390

SAN DIEGO CO. HMMD:
Facility Id: 103274
Business Type: 6HK31
EPA Id Number: CAD029140720
APN: 438-060-48-00
Last HMMD Inspection: 06/01/2012
Permit Status: OPEN
Permit Expiration: 11/30/2013
Facility Owner: JOE GARDON
Facility Address: P O BOX 81847
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92138-1847
UST Owner: TREVELLYAN OLDSMOBILE CO. (A C
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103274 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103274

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-03-09 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103274 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103274
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-03-09 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 103274 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103274
Tank Type:	SINGLE WALL
Additional Id:	003
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1992-03-09 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 103274 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103274
Tank Type:	SINGLE WALL
Additional Id:	004 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Remove Close Date: 1992-03-09 00:00:00
Year Installed: 1978-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 07
UST Monitor Method: SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Active Permits:

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES, SD BATTERY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN; COMPRESSED GAS; CUTTING TORCH
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: WASTE MOTOR OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING+
Other Information: ATF
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: 5W-30
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING*
Other Information: 15W-40
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8030-31-7
Name: LACQUER THINNER
Other Information: LACQUER THINNER
Material Waste: Material

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING=
Other Information: 5W-20
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 04/22/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 03/09/2012
Violation Code: 6HV1604
Violation: 2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation: Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV0201
Violation: WASTE CONTAINER NOT CLOSED
Violation Citation: Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity: ACTIVE

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	03/09/2012
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	03/09/2012
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	09/09/2009
Violation Code:	6HV0406
Violation:	CONT PLAN NOT PREPARED/ONSITE
Violation Citation:	Owner/Operator has not prepared an Emergency Contingency Plan, or maintained a copy on site, or submitted a copy to the HMMD. CCR 66265.51(a), 66265.53(a)&(b)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	09/09/2009
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	04/22/2004
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	03/09/2012

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Violation Code: 6HV0414
Violation: DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation: Failed to train employees annually. 66265.16(c)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 03/09/2012
Violation Code: 6HV1012
Violation: SPCC PLAN NOT PREPARED
Violation Citation: Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 09/09/2009
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 08/28/2007
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV0208
Violation: STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation: Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	02/23/2006
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	02/23/2006
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	09/09/2009
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	02/23/2006
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE

Facility Id:	103274
Business Type:	6HK31
EPA Id Number:	CAD029140720
APN:	438-060-48-00
Last HMMD Inspection:	06/01/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	JOE GARDON
Facility Address:	P O BOX 81847
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92138-1847
UST Owner:	TREVELLYAN OLDSMOBILE CO. (A C
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Generate Medical Waste: Not reported

UST:

UST Name:	UNDERGROUND TANK 103274 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	103274
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-03-09 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103274 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	103274
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-03-09 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 103274 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103274
Tank Type:	SINGLE WALL
Additional Id:	003
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1992-03-09 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 103274 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103274
Tank Type:	SINGLE WALL

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Additional Id:	004 WASTE OIL
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1992-03-09 00:00:00
Year Installed:	1978-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

Active Permits:

Facility Id:	103274
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	USED LEAD ACID BATTERIES, SD BATTERY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103274
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	PAINT BOOTH FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103274
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN; COMPRESSED GAS; CUTTING TORCH
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	103274
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	103274
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	WASTE MOTOR OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information: CONTAMINATED GASOLINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: DRAINED USED OIL FILTER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING+
Other Information: ATF
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING
Other Information: 5W-30
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING*
Other Information: 15W-40
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 103274

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Update Date: 11/02/2012
Case Number: 8030-31-7
Name: LACQUER THINNER
Other Information: LACQUER THINNER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING=
Other Information: 5W-20
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 103274
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 461 PAINT SLUDGE
Other Information: PAINT WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 04/22/2004
Violation Code: 6HV1601
Violation: HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation: Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 03/09/2012
Violation Code: 6HV1604
Violation: 2ND. CONTAINMENT NOT KEPT EMPTY
Violation Citation: Secondary containment not kept empty. 66265.196(b)(c), 66265.194(c)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV0201

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	03/09/2012
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	03/09/2012
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	09/09/2009
Violation Code:	6HV0406
Violation:	CONT PLAN NOT PREPARED/ONSITE
Violation Citation:	Owner/Operator has not prepared an Emergency Contingency Plan, or maintained a copy on site, or submitted a copy to the HMMD. CCR 66265.51(a), 66265.53(a)&(b)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	09/09/2009
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	04/22/2004
Violation Code:	6HV0207
Violation:	FIRE/EXPLOSION/RELEASE NOT MINIMIZED
Violation Citation:	Facility not maintained &/operated to minimize possibility of fire, explosion or release. CCR 66265.31

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	03/09/2012
Violation Code:	6HV0414
Violation:	DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation:	Failed to train employees annually. 66265.16(c)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	03/09/2012
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	09/09/2009
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	08/28/2007
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	02/23/2006
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012
Inspection Date:	02/23/2006
Violation Code:	6HV1605
Violation:	NO DAILY TANK INSPECTION/LOG
Violation Citation:	Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity:	ACTIVE
Facility Id:	103274
Update Date:	11/02/2012

MIDWAY JEEP/CHRYSLER (Continued) **S106060321**

Inspection Date: 02/23/2006
Violation Code: 6HV0210
Violation: DID NOT CLEAN SPILL TO FLOOR
Violation Citation: Failure to clean up hazardous waste off of floor surface. 66262.10b
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 09/09/2009
Violation Code: 6HV1012
Violation: SPCC PLAN NOT PREPARED
Violation Citation: Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity: ACTIVE

Facility Id: 103274
Update Date: 11/02/2012
Inspection Date: 02/23/2006
Violation Code: 6HV0133
Violation: MANIFEST COPY NOT SENT TO DTSC
Violation Citation: Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity: ACTIVE

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84 **M-2 COLLISION CENTER** **CA San Diego Co. HMMD** **S106065145**
777 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 137086
Business Type: 6HK27
EPA Id Number: CAD029140720
APN: 444-120-24-00
Last HMMD Inspection: 09/28/2000
Permit Status: INAC
Permit Expiration: 05/31/2001
Facility Owner: Not reported

M-2 COLLISION CENTER (Continued) **S106065145**

Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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84 **DAEWOO OF SAN DIEGO** **CA HAZNET** **S113103996**
777 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113103996
Year:	2001
GEPAID:	CAL000204730
Contact:	MATT LOWENSTEIN
Telephone:	6192998882
Mailing Name:	Not reported
Mailing Address:	777 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.06
Facility County:	San Diego

envid:	S113103996
Year:	2000
GEPAID:	CAL000204730
Contact:	MATT LOWENSTEIN
Telephone:	6192998882
Mailing Name:	Not reported
Mailing Address:	777 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.02
Facility County:	San Diego

envid:	S113103996
Year:	2000
GEPAID:	CAL000204730
Contact:	MATT LOWENSTEIN
Telephone:	6192998882
Mailing Name:	Not reported
Mailing Address:	777 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported

DAEWOO OF SAN DIEGO (Continued) **S113103996**

TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: 0.45
Facility County: San Diego

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84 **MIDWAY JEEP CHRYSLER** **RCRA-SQG** **1000430003**
777 CAMINO DEL RIO S **CA LUST** **CAD029140720**
SAN DIEGO, CA 92108 **CA HIST UST**
CA SWEEPS UST
CA HAZNET
CA EMI
CA SAN DIEGO CO. SAM

RCRA-SQG:
Date form received by agency: 08/13/2001
Facility name: MIDWAY JEEP CHRYSLER
Facility address: 777 CAMINO DEL RIO S
SAN DIEGO, CA 92108
EPA ID: CAD029140720
Mailing address: P O BOX 81847
SAN DIEGO, CA 921381847
Contact: BRENDA PEARSON
Contact address: P O BOX 81847
SAN DIEGO, CA 921381847
Contact country: US
Contact telephone: (619) 224-4151
Contact email: Not reported
EPA Region: 09
Land type: Other land type
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PECK JEEP EAGLE INC D B A
Owner/operator address: P O BOX 81847
SAN DIEGO, CA 92138
Owner/operator country: Not reported
Owner/operator telephone: (619) 224-4151
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

Historical Generators:
Date form received by agency: 09/01/1996
Site name: MIDWAY JEEP CHRYSLER
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 12/09/1993
Date achieved compliance: 12/09/1998
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/04/1992
Date achieved compliance: 12/09/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 11/15/1990
Date achieved compliance: 06/04/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/09/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/09/1998
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 06/04/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/09/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/15/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/04/1992
Evaluation lead agency: State Contractor/Grantee

LUST:
Region: STATE
Global Id: T0607301064
Latitude: 32.763201
Longitude: -117.157704
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/28/1992
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Local Agency: Not reported
RB Case Number: 9UT2297
LOC Case Number: H03274-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301064
Status: Completed - Case Closed
Status Date: 09/28/1992

Global Id: T0607301064
Status: Open - Case Begin Date
Status Date: 09/03/1992

Regulatory Activities:
Global Id: T0607301064
Action Type: Other
Date: 09/03/1992
Action: Leak Began

Global Id: T0607301064
Action Type: Other
Date: 09/03/1992
Action: Leak Discovery

Global Id: T0607301064
Action Type: ENFORCEMENT
Date: 09/28/1992
Action: Notice of Responsibility

Global Id: T0607301064
Action Type: Other
Date: 09/03/1992
Action: Leak Stopped

Global Id: T0607301064
Action Type: Other
Date: 09/03/1992
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2297
Local Case: H03274-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

How Stopped: Close Tank
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 09/03/1992
Date Stopped: 09/03/1992
Confirm Date: 09/28/1992
Submit Workplan: 9/28/92
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/28/1992
Enforce Date: Not reported
Closed Date: 9/30/93
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >14'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

HIST UST:
Region: STATE
Facility ID: 00000011689
Facility Type: Other
Other Type: AUTOMOBILE DEALER
Contact Name: DONALD LIENING
Telephone: 6192988321
Owner Name: TREVELLYAN OLDSMOBILE CO. (A C
Owner Address: 777 CAMINO DEL RIO SOUTH
Owner City,St,Zip: SAN DIEGO, CA 92108
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 80
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 80
Tank Capacity: 00006000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Leak Detection: Visual, Stock Inventor

SWEEPS UST:

Status:	Active
Comp Number:	3274
Number:	9
Board Of Equalization:	44-021823
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003274-000001
Tank Status:	A
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	3274
Number:	9
Board Of Equalization:	44-021823
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003274-000002
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3274
Number:	9
Board Of Equalization:	44-021823
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003274-000003
Tank Status:	A
Capacity:	1000
Active Date:	Not reported
Tank Use:	OIL
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	3274
Number:	9

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Board Of Equalization: 44-021823
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003274-000004
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

HAZNET:
envid: 1000430003
Year: 2013
GEPAID: CAD029140720
Contact: BRUCE WEBB
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: San Diego
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.02
Facility County: Not reported

envid: 1000430003
Year: 2013
GEPAID: CAD029140720
Contact: BRUCE WEBB
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: San Diego
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.1592
Facility County: Not reported

envid: 1000430003
Year: 2013
GEPAID: CAD029140720
Contact: BRUCE WEBB
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Gen County: San Diego
TSD EPA ID: CAT000613976
TSD County: Orange
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.7644
Facility County: Not reported

envid: 1000430003
Year: 2012
GEPAID: CAD029140720
Contact: BRUCE WEBB
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: San Diego
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05
Facility County: San Diego

envid: 1000430003
Year: 2012
GEPAID: CAD029140720
Contact: BRUCE WEBB
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: San Diego
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.05
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
110 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:
Year: 2006
County Code: 37
Air Basin: SD
Facility ID: 1362
Air District Name: SD
SIC Code: 5511
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 1.37

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Reactive Organic Gases Tons/Yr:	1.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1362
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.37
Reactive Organic Gases Tons/Yr:	1.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1362
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.37
Reactive Organic Gases Tons/Yr:	1.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1362
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.3700000000000001
Reactive Organic Gases Tons/Yr:	1.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

MIDWAY JEEP CHRYSLER (Continued) **1000430003**

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1362
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.3700000000000001
Reactive Organic Gases Tons/Yr:	1.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H03274-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	9/28/1992
Date Began:	9/3/1992

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84 **TREVELLYAN OLDSMOBILE SUBARU** **EDR US Hist Auto Stat** **1008999859**
777 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	TREVELLYAN OLDSMOBILE SUBARU
Year:	1980
Type:	A T S AUTOMATIC
Name:	TREVELLYAN OLDSMOBILE SUBARU
Year:	1984
Type:	A T S AUTOMATIC
Name:	M 2 COLLISION CARE CENTERS
Year:	2002
Address:	777 CAMINO DEL RIO S
Name:	M 2 COLLISION CARE CENTERS INC
Year:	2003
Address:	777 CAMINO DEL RIO S
Name:	MIDWAY COLLISION CTR
Year:	2010
Address:	777 CAMINO DEL RIO S

84 **MIDWAY JEEP CHRYSLER** **FINDS** **1016187396**
777 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110002641767

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

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84 **TREVELLYAN OLDSMOBILE** **CA RGA LUST** **S114706617**
777 CAMINO DEL RIO, SOUTH **N/A**
SAN DIEGO, CA

RGA LUST:

1994	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO, SOUTH

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84 **TREVELLYAN OLDSMOBILE** **CA RGA LUST** **S114706616**
777 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
2003	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
2002	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
2001	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
2000	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
1998	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
1997	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
1996	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S
1995	TREVELLYAN OLDSMOBILE	777 CAMINO DEL RIO S

84 **TREVELLYAN OLDSMOBILE** **CA RGA LUST** **S114706618**
777 CAMINO DEL RIO, SOUT **N/A**
SAN DIEGO, CA

RGA LUST:

1993 TREVELLYAN OLDSMOBILE 777 CAMINO DEL RIO, SOUT

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84 **MARVIN K BROWN AUTO CENTER** **CA HAZNET** **S112889290**
777 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112889290
Year:	1998
GEPAID:	CAC001412184
Contact:	MR JAMES E BROWN
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	1441 CAMINO DEL RIO SOUTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	.0417
Facility County:	San Diego

---

84 **PECK JEEP EAGLE DBA MIDWAY JEEP CHRYSLER** **CA HAZNET** **S113113177**
777 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113113177
Year:	2005
GEPAID:	CAL000224275
Contact:	BRENDA PEARSON SERVICE MGR.
Telephone:	6192244151
Mailing Name:	Not reported
Mailing Address:	PO BOX 81847
Mailing City,St,Zip:	SAN DIEGO, CA 921381847
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	0.45
Facility County:	San Diego

envid:	S113113177
Year:	2004
GEPAID:	CAL000224275
Contact:	BRENDA PEARSON SERVICE MGR.
Telephone:	6192244151
Mailing Name:	Not reported

PECK JEEP EAGLE DBA MIDWAY JEEP CHRYSLER (Continued) **S113113177**

Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 1.56
Facility County: San Diego

envid: S113113177
Year: 2004
GEPAID: CAL000224275
Contact: BRENDA PEARSON SERVICE MGR.
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.35
Facility County: San Diego

envid: S113113177
Year: 2003
GEPAID: CAL000224275
Contact: BRENDA PEARSON SERVICE MGR.
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.55
Facility County: San Diego

envid: S113113177
Year: 2003
GEPAID: CAL000224275
Contact: BRENDA PEARSON SERVICE MGR.
Telephone: 6192244151
Mailing Name: Not reported
Mailing Address: PO BOX 81847
Mailing City,St,Zip: SAN DIEGO, CA 921381847
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Not reported
Tons: 0.22
Facility County: San Diego

PECK JEEP EAGLE DBA MIDWAY JEEP CHRYSLER (Continued) **S113113177**

Click this hyperlink while viewing on your computer to access
1 additional CA_HAZNET: record(s) in the EDR Site Report.

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84 **MIDWAY JEEP CHRYSLER GEM** **CA EMI** **S116287989**
777CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

EMI:

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	1362
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.37
Reactive Organic Gases Tons/Yr:	1.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	1362
Air District Name:	SD
SIC Code:	5511
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.37
Reactive Organic Gases Tons/Yr:	1.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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84 **TREVELLYAN OLDSMOBILE** **CA HIST CORTESE** **S104745646**
777 CAMINO DEL RIO **N/A**
SAN DEIGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2297

85 **EDR US Hist Auto Stat** **1015498522**
4420 HOTEL CIRCLE CT **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	MAXON PRECISION MOTORS INC
Year:	2004
Address:	4420 HOTEL CIRCLE CT

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85 **CA CHMIRS** **S105648896**
1333 HOTEL CIRCLE SOIUTH **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	97-4095
OES notification:	10/14/1997
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	San Diego Waste Water
Incident Date:	10/14/199712:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes

(Continued) **S105648896**

Site Type:	Road
E Date:	Not reported
Substance:	Raw sewage
Gallons:	705
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Total release 1905, 1200 recovered. 705 down a dry drain. Ran toward the san Diego river.

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85 **PRESIDENTIAL LIMOUSINE SERVICE** **CA SWEEPS UST** **S106930866**
2085 S HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	12785
Number:	9
Board Of Equalization:	44-022642
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12785
Number:	Not reported
Board Of Equalization:	44-022642
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012785-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL

PRESIDENTIAL LIMOUSINE SERVICE (Continued) **S106930866**

STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	5
Status:	Not reported
Comp Number:	12785
Number:	Not reported
Board Of Equalization:	44-022642
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012785-000002
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	12785
Number:	Not reported
Board Of Equalization:	44-022642
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012785-000003
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	12785
Number:	Not reported
Board Of Equalization:	44-022642
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012785-000004
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	12785

PRESIDENTIAL LIMOUSINE SERVICE (Continued) **S106930866**

Number:	Not reported
Board Of Equalization:	44-022642
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012785-000005
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

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85 **FORMER ARCO STATION** **CA RGA LUST** **S114621914**
2085 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA

RGA LUST:

2002	FORMER ARCO STATION	2085 HOTEL CIRCLE S
2001	FORMER ARCO STATION	2085 HOTEL CIRCLE S

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85 **HOTEL CIRCLE ARCO** **EDR US Hist Auto Stat** **1008998605**
2085 HOTEL CIR S **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	ME BRIDE S MISSION VALLEY ARCO
Year:	1975
Type:	GASOLINE STATIONS
Name:	HOTEL CIRCLE ARCO
Year:	1980
Type:	GASOLINE STATIONS
Name:	HOTEL CIRCLE ARCO
Year:	1984
Type:	GASOLINE STATIONS

---

85 **PRESIDENTIAL LIMOUSINE SERVICE** **CA San Diego Co. HMMD** **S106060977**
2085 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	112785
Business Type:	Not reported
EPA Id Number:	CAL000064849
APN:	443-040-34-00
Last HMMD Inspection:	02/11/2000
Permit Status:	INAC
Permit Expiration:	02/11/2000

PRESIDENTIAL LIMOUSINE SERVICE (Continued) **S106060977**

Facility Owner:	PRESIDENTIAL LIMOUSINE LLC
Facility Address:	2085 HOTEL CIRCLE S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3313
UST Owner:	ATLANTIC ARCO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112785 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112785
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112785 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112785
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112785 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112785
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	6000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00

PRESIDENTIAL LIMOUSINE SERVICE (Continued) **S106060977**

Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 112785 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112785
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	6000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 112785 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112785
Tank Type:	SINGLE WALL
Additional Id:	5
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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85 **PRESIDENTIAL LIMOUSINE** **CA HAZNET** **S113046763**
2085 HOTEL CIRCLE SOUTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113046763
Year:	1998
GEPAID:	CAL000064849
Contact:	FRANK MATTARALI PRES
Telephone:	6192912820
Mailing Name:	Not reported
Mailing Address:	2085 HOTEL CIR S
Mailing City,St,Zip:	SAN DIEGO, CA 921083313
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported

PRESIDENTIAL LIMOUSINE (Continued) **S113046763**

Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .3127
Facility County: San Diego

envid: S113046763
Year: 1997
GEPAID: CAL000064849
Contact: FRANK MATTARALI PRES
Telephone: 6192912820
Mailing Name: Not reported
Mailing Address: 2085 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 921083313
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .2085
Facility County: San Diego

envid: S113046763
Year: 1997
GEPAID: CAL000064849
Contact: FRANK MATTARALI PRES
Telephone: 6192912820
Mailing Name: Not reported
Mailing Address: 2085 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 921083313
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: .2293
Facility County: San Diego

envid: S113046763
Year: 1996
GEPAID: CAL000064849
Contact: FRANK MATTARALI PRES
Telephone: 6192912820
Mailing Name: Not reported
Mailing Address: 2085 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 921083313
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Tons: .2293
Facility County: San Diego

envid: S113046763
Year: 1995
GEPAID: CAL000064849
Contact: FRANK MATTARALI PRES

PRESIDENTIAL LIMOUSINE (Continued) **S113046763**

Telephone:	6192912820
Mailing Name:	Not reported
Mailing Address:	2085 HOTEL CIR S
Mailing City,St,Zip:	SAN DIEGO, CA 921083313
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	.2293
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

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85 **PRESIDENTIAL LIMOUSINE SERVICE** **CA RGA LUST** **S114671521**
2085 HOTEL CIRCLE SOUTH **N/A**
SAN DIEGO, CA

RGA LUST:

1994	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE SOUTH
1993	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE SOUTH
1992	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE SOUTH

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85 **PRESIDENTIAL LIMO. SERVICE** **CA RGA LUST** **S114671520**
2085 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	PRESIDENTIAL LIMO. SERVICE	2085 HOTEL CIRCLE S
2003	PRESIDENTIAL LIMO. SERVICE	2085 HOTEL CIRCLE S

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85 **PRESIDENTIAL LIMOUSINE SERVICE** **CA RGA LUST** **S114671522**
2085 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA

RGA LUST:

2012	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2011	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2010	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2009	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2008	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2007	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2006	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2005	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
2000	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
1998	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
1997	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
1996	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S
1995	PRESIDENTIAL LIMOUSINE SERVICE	2085 HOTEL CIRCLE S

85 **REGENCY PLAZA HOTEL** **CA San Diego Co. HMMD** **S106060137**
1515 HOTEL CIR **N/A**
SAN DIEGO, CA 92626

SAN DIEGO CO. HMMD:

Facility Id:	102546
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	DEH-102546
Last HMMD Inspection:	10/30/2009
Permit Status:	INAC
Permit Expiration:	08/31/2002
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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85 **875 HOTEL S CIR** **US CDL** **1012056036**
875 HOTEL S CIR **N/A**
SAN DIEGO, CA

US CDL:

Seizure Date:	01/30/2004

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85 **PRESIDENTIAL LIMOUSINE SERVICE** **CA LUST** **S104539569**
2085 HOTEL CIRCLE S **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

LUST:

Region:	STATE
Global Id:	T0607300363
Latitude:	32.75875
Longitude:	-117.1808296
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/22/1999
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	NS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT1544
LOC Case Number:	H12785-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

PRESIDENTIAL LIMOUSINE SERVICE (Continued) **S104539569**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607300363
Contact Type:	Local Agency Caseworker
Contact Name:	NASSER SIONIT
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	nasser.sionit@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607300363
Status:	Completed - Case Closed
Status Date:	12/22/1999
Global Id:	T0607300363
Status:	Open - Case Begin Date
Status Date:	05/31/1984

Regulatory Activities:

Global Id:	T0607300363
Action Type:	Other
Date:	04/13/1989
Action:	Leak Began
Global Id:	T0607300363
Action Type:	ENFORCEMENT
Date:	12/10/1999
Action:	Closure/No Further Action Letter - #H12785-001
Global Id:	T0607300363
Action Type:	Other
Date:	04/13/1989
Action:	Leak Discovery
Global Id:	T0607300363
Action Type:	Other
Date:	05/31/1984
Action:	Leak Stopped
Global Id:	T0607300363
Action Type:	ENFORCEMENT
Date:	10/23/1989
Action:	Notice of Responsibility
Global Id:	T0607300363
Action Type:	Other
Date:	04/13/1989
Action:	Leak Reported

LUST REG 9:

Region:	9

PRESIDENTIAL LIMOUSINE SERVICE (Continued) **S104539569**

Status:	Case Closed
Case Number:	9UT1544
Local Case:	H12785-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	VEGT
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	07/13/1989
Date Stopped:	05/31/1984
Confirm Date:	07/13/1989
Submit Workplan:	Not reported
Prelim Assess:	12/05/1989
Desc Pollution:	Not reported
Remed Plan:	10/23/1989
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	10/20/1989
Enforce Date:	Not reported
Closed Date:	12/22/99
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	17.21
Beneficial Use:	MUNBU
NPDES Number:	91-10
Priority:	High priority
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H12785-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	12/22/1999
Date Began:	4/13/1989

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85 **PRESIDENTIAL LIMOUSINE SE** **CA HIST CORTESE** **S104747491**
2085 HOTEL **N/A**
SAN DEIGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1544

85 **EAST/WEST CENTER FOR HEALTH** **CA San Diego Co. HMMD** **S106069112**
1545 S HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154504
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-154504
Last HMMD Inspection:	05/22/2003
Permit Status:	INAC
Permit Expiration:	08/31/2003
Facility Owner:	RICHARD FOREMAN LAC
Facility Address:	1545 S HOTEL CIRCLE 100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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85 **EAST/WEST ACUPUNCTURE CENTER, INC** **CA San Diego Co. HMMD** **S106072111**
1545 S HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	202167
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-154504
Last HMMD Inspection:	02/12/2004
Permit Status:	INAC
Permit Expiration:	07/31/2006
Facility Owner:	THERESA ELLITHORPE
Facility Address:	1545 S HOTEL CIRCLE, #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

85 **SGPA ARCHITECTURE AND PLANNING** **CA San Diego Co. HMMD** **S106063002**
1565 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	129650
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-129650
Last HMMD Inspection:	09/18/1989
Permit Status:	INAC
Permit Expiration:	09/18/1989
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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85 **MISSION VALLEY OFFICES LLC** **CA HAZNET** **S112952051**
1565 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112952051
Year:	2006
GEPAID:	CAC002601350
Contact:	KARI FICK
Telephone:	6194972255
Mailing Name:	Not reported
Mailing Address:	123 CAMINO DE LA REINA STE 200S
Mailing City,St,Zip:	SAN DIEGO, CA 921083006
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Recycler
Tons:	0.83
Facility County:	San Diego

---

85 **DEREK STAATS** **CA HAZNET** **S113784468**
1605 HOTEL CIR S UNIT 111 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113784468
Year:	2012
GEPAID:	CAC002699455
Contact:	DEREK STAATS
Telephone:	6192984891
Mailing Name:	Not reported
Mailing Address:	1605 HOTEL CIR S UNIT 111

DEREK STAATS (Continued) **S113784468**

Mailing City,St,Zip: SAN DIEGO, CA 921083326
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

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85 **WAEL HASSON** **CA HAZNET** **S117297506**
1615 HOTEL CIR S UNIT D102 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S117297506
Year: 2013
GEPAID: CAC002738670
Contact: WAEL HASSON
Telephone: 6194492014
Mailing Name: Not reported
Mailing Address: 1615 HOTEL CIR S UNIT D102
Mailing City,St,Zip: SAN DIEGO, CA 921083305
Gen County: San Diego
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.8
Facility County: Not reported

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85 **MARK PIERCE** **CA HAZNET** **S112996731**
1621 HOTEL CIR S UNIT 123 **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112996731
Year: 2011
GEPAID: CAC002680134
Contact: MARK PIERCE
Telephone: 6192045495
Mailing Name: Not reported
Mailing Address: 1621 HOTEL CIR S UNIT 123
Mailing City,St,Zip: SAN DIEGO, CA 921083323
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

envid: S112996731
Year: 2011

MARK PIERCE (Continued) **S112996731**

GEPAID: CAC002680134
Contact: MARK PIERCE
Telephone: 6192045495
Mailing Name: Not reported
Mailing Address: 1621 HOTEL CIR S UNIT 123
Mailing City,St,Zip: SAN DIEGO, CA 921083323
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

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85 **KATHERINE HUMPHREYS** **CA HAZNET** **S112991866**
1621 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112991866
Year: 2011
GEPAID: CAC002673930
Contact: KATHERINE HUMPHREYS
Telephone: 6194354749
Mailing Name: Not reported
Mailing Address: 1621 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

envid: S112991866
Year: 2011
GEPAID: CAC002673930
Contact: KATHERINE HUMPHREYS
Telephone: 6194354749
Mailing Name: Not reported
Mailing Address: 1621 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: AZC950823111
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: San Diego

85 **ANTONIO ARELLANO** **CA HAZNET** **S113784330**
1621 HOTEL CIR S UNIT 201 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113784330
Year:	2012
GEPAID:	CAC002699294
Contact:	ANTONIO ARELLANO
Telephone:	6192844239
Mailing Name:	Not reported
Mailing Address:	1621 HOTEL CIR S UNIT 201
Mailing City,St,Zip:	SAN DIEGO, CA 921083323
Gen County:	San Diego
TSD EPA ID:	AZC950623111
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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85 **BEFF CHEONG** **CA HAZNET** **S112992693**
1621 HOTEL CIR S UNIT E214 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112992693
Year:	2011
GEPAID:	CAC002674994
Contact:	BEFF CHEONG
Telephone:	8584853631
Mailing Name:	Not reported
Mailing Address:	1621 HOTEL CIR S UNIT E214
Mailing City,St,Zip:	SAN DIEGO, CA 921083339
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

envid:	S112992693
Year:	2011
GEPAID:	CAC002674994
Contact:	BEFF CHEONG
Telephone:	8584853631
Mailing Name:	Not reported
Mailing Address:	1621 HOTEL CIR S UNIT E214
Mailing City,St,Zip:	SAN DIEGO, CA 921083339
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

85 **SHIRIN DELALAT** **CA HAZNET** **S112993515**
1621 HOTEL CIR S UNIT E225 **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112993515
Year:	2011
GEPAID:	CAC002676026
Contact:	KENNETH ROOT
Telephone:	6192950001
Mailing Name:	Not reported
Mailing Address:	1621 HOTEL CIR S UNIT E225
Mailing City,St,Zip:	SAN DIEGO, CA 921083340
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

envid:	S112993515
Year:	2011
GEPAID:	CAC002676026
Contact:	KENNETH ROOT
Telephone:	6192950001
Mailing Name:	Not reported
Mailing Address:	1621 HOTEL CIR S UNIT E225
Mailing City,St,Zip:	SAN DIEGO, CA 921083340
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4
Facility County:	San Diego

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85 **MEN'S MULTI-SPECIALTY HEALTH** **CA San Diego Co. HMMD** **S106068445**
1761 S HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153575
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-153575
Last HMMD Inspection:	08/03/1995
Permit Status:	INAC
Permit Expiration:	12/31/1995
Facility Owner:	JEFFREY MAZIN M D
Facility Address:	1761 S HOTEL CIRCLE SO #240
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

MEN'S MULTI-SPECIALTY HEALTH (Continued) — **S106068445**

Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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85 **STANDARD STATIONS INC** — **EDR US Hist Auto Stat** — **1008997129**
755 W HOTEL CIR — **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: STANDARD STATIONS INC
Year: 1966
Type: GASOLINE STATIONS

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85 — **EDR US Hist Cleaners** — **1015005479**
1761 HOTEL CIR S — **N/A**
SAN DIEGO, CA 92108

EDR Historical Cleaners:
Name: STAR BRITE CLEANERS
Year: 2005
Address: 1761 HOTEL CIR S

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85 — **CA CHMIRS** — **S109036076**
1345 HOTEL CIR SOUTH — **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	06-4087
OES notification:	07/11/2006
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

(Continued) **S109036076**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Metro Waste Water
Incident Date:	7/11/2006 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Road
E Date:	Not reported
Substance:	Sewage
Gallons:	278
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller, a root blockage caused the release.

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85 **MARRIOTT RESIDENCE INN** **CA HAZNET** **S112984646**
1865 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112984646
Year:	2011
GEPAID:	CAC002664507
Contact:	BILL ELLIOTT
Telephone:	6198813641
Mailing Name:	Not reported
Mailing Address:	1865 HOTEL CIR S
Mailing City,St,Zip:	SAN DIEGO, CA 921083319
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

MARRIOTT RESIDENCE INN (Continued) **S112984646**

(H010-H129) Or (H131-H135)
Tons: 0.0042
Facility County: San Diego

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85 **ATLAS HOTEL/KINGS INN** **FTTS** **1004443968**
1333 HOTEL CIRCLE **HIST FTTS** **N/A**
SAN DIEGO, CA 92108

FTTS INSP:
Inspection Number: 1989121201968 2
Region: 09
Inspection Date: 12/12/89
Inspector: GRISIER
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: SWC Overview Inspection
Legislation Code: TSCA
Facility Function: User

Inspection Number: 19891212CA013 2
Region: 09
Inspection Date: 12/12/89
Inspector: PRICE
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

HIST FTTS INSP:
Inspection Number: 1989121201968 2
Region: 09
Inspection Date: Not reported
Inspector: GRISIER
Violation occurred: No
Investigation Type: Section 6 PCB Federal Conducted
Investigation Reason: SWC Overview Inspection
Legislation Code: TSCA
Facility Function: User

Inspection Number: 19891212CA013 2
Region: 09
Inspection Date: Not reported
Inspector: PRICE
Violation occurred: Yes
Investigation Type: Section 6 PCB State Conducted
Investigation Reason: Neutral Scheme, State
Legislation Code: TSCA
Facility Function: User

85 | **CA CHMIRS** | **S109035880** | **N/A**

1235 HOTEL CIRCLE SOUTH
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	07-4756
OES notification:	08/08/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	City of San Diego Metro Waste Water
Incident Date:	8/8/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Waste
Gallons:	69
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S109035880**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Unknown blockage in a private lateral caused this spill

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85 **EDR US Hist Auto Stat** **1015189820**
1235 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	SAN DIEGO AUTOMOTIVE REPAIR INC
Year:	2002
Address:	1235 HOTEL CIR S

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85 **J. EUCCE & ASSOCIATES** **CA San Diego Co. HMMD** **S106067812**
1660 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	152631
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-152631
Last HMMD Inspection:	05/07/1993
Permit Status:	INAC
Permit Expiration:	04/30/1994
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

85 **CA CHMIRS** **S104573670**
1440 HOTEL CIRCLE NORTH **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	05-4551
OES notification:	08/02/2005
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	City of San Diego
Incident Date:	8/2/200512:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage
Gallons:	50
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S104573670**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Substance was released due to a main break.

---

85 **MCCORMACK DENTAL IMAGING, INC.** **CA San Diego Co. HMMD** **S109279527**
1550 HOTEL CIRCLE NORTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	205413
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	437-350-03-00
Last HMMD Inspection:	02/15/2006
Permit Status:	INAC
Permit Expiration:	09/30/2007
Facility Owner:	JEROME PECK
Facility Address:	450 SUTTER ST #1542
Facility City:	SAN FRANCISCO
Facility State:	CA
Facility Zip:	94108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

85 **ESSEX REALTY MGMT INC** **CA HAZNET** **S112927483**
1550 HOTEL CIR NO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112927483
Year:	2003
GEPAID:	CAC002561139
Contact:	GINA THOMPKINS
Telephone:	6192205995
Mailing Name:	Not reported
Mailing Address:	1550 HOTEL CIR NO
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids

ESSEX REALTY MGMT INC (Continued) **S112927483**

Disposal Method: Disposal, Land Fill
Tons: 2.2
Facility County: San Diego

---

85 **THE HANDLERY HOTEL** **CA CHMIRS S112908012**
1440 HOTEL CIRCLE NORTH **CA HAZNET N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	14-0317
OES notification:	01/18/2014
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	SEWAGE
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1143
Year:	2014
Agency:	City of San Diego
Incident Date:	1/18/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes

THE HANDLERY HOTEL (Continued) **S112908012**

Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage
Quantity Released:	6000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Blockage
Fatals:	No
Comments:	Not reported
Description:	RP states that a manhole overflowed due to a blockage in the line resulting in the release of 6000 gallons of sewage. Caller states that 4650 gallons of the release has been recovered and 1350 gallons was lost to the storm drain system. The release is contained and cleanup is complete. Caller states that the storm drain leads to a grassy area along WB I-8 @ Hotel Circle North exit. No waterways have been impacted.

HAZNET:

envid:	S112908012
Year:	1999
GEPAID:	CAC002258481
Contact:	THE HANDLERY HOTEL
Telephone:	6195900725
Mailing Name:	Not reported
Mailing Address:	1440 HOTEL CIRCLE NORTH
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	1.6856
Facility County:	San Diego

---

85 **MIKE GADDIE** **CA HAZNET** **S112932638**
1440 HOTEL CIR N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112932638
Year:	2003
GEPAID:	CAC002569873
Contact:	MIKE GADDIE
Telephone:	9494554500
Mailing Name:	Not reported
Mailing Address:	1 SPECTRUM PT DR # 225

MIKE GADDIE (Continued) **S112932638**

Mailing City,St,Zip: LAKE FOREST, CA 92108
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 9.1
Facility County: San Diego

---

85 **DOUGLAS ALL RED COMPANY** **CA HAZNET** **S112865284**
1660 HOTEL CIRCLE NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112865284
Year: 1997
GEPAID: CAC001076056
Contact: CORPORATION
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1660 HOTEL CIRCLE NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921082882
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 4.2140
Facility County: San Diego

envid: S112865284
Year: 1997
GEPAID: CAC001076056
Contact: CORPORATION
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1660 HOTEL CIRCLE NORTH
Mailing City,St,Zip: SAN DIEGO, CA 921082882
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Recycler
Tons: .3750
Facility County: San Diego

---

85 **HOTEL CIRCLE INN** **CA San Diego Co. HMMD** **S106065701**
1540 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 138699
Business Type: 6HK20
EPA Id Number: Not reported
APN: 437-350-03-00
Last HMMD Inspection: Not reported

HOTEL CIRCLE INN (Continued) **S106065701**

Permit Status:	INAC
Permit Expiration:	03/31/2001
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

85 **PCSD // FEIGHNER RESEARCH** **CA San Diego Co. HMMD** **S106062979**
1550 HOTEL CIRCLE **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	129581
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	DEH-129581
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	11/30/2002
Facility Owner:	COURSON CO
Facility Address:	1550 HOTEL CIRCLE
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-2901
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 129581 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	129581
Tank Type:	Not reported
Additional Id:	AT1797
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	Not reported
UST Monitor Method:	Not reported

PCSD // FEIGHNER RESEARCH (Continued) **S106062979**

Facility Id:	215892
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	437-350-03-00
Last HMMD Inspection:	03/26/2012
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	PCSD // FEIGHNER RESEARCH
Facility Address:	6153 FAIRMONT AVE #140
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92120
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	215892
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	215892
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

---

85 **HATEF BOGZARAN** **CA HIST UST** **U001572841**
1110 HOTEL CIR S **N/A**
SAN DIEGO, CA 92110

HIST UST:

Region:	STATE
Facility ID:	00000039318
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	08-202
Telephone:	6192982172
Owner Name:	MOBIL OIL CORPORATION
Owner Address:	612 S. FLOWER STREET
Owner City,St,Zip:	LOS ANGELES, CA 90017
Total Tanks:	0004

Tank Num:	001
Container Num:	1

HATEF BOGZARAN (Continued) **U001572841**

Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

---

85 **MISSION VALLEY INN** **CA HAZNET** **S113033550**
875 HOTEL CIRCLE SO **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113033550
Year:	2001
GEPAID:	CAL000031358
Contact:	UNDEL 95FEEFORM/11-95
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	PO BOX 80098
Mailing City,St,Zip:	SAN DIEGO, CA 921380000
Gen County:	Not reported
TSD EPA ID:	CAD088838222
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Not reported
Tons:	0.45
Facility County:	San Diego
envid:	S113033550
Year:	1994
GEPAID:	CAL000031358

MISSION VALLEY INN (Continued) **S113033550**

Contact:	ATLAS HOTELS INC
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 80098
Mailing City,St,Zip:	SAN DIEGO, CA 921380000
Gen County:	Not reported
TSD EPA ID:	CAT080010101
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Transfer Station
Tons:	.1876
Facility County:	San Diego

---

85 **CHEVRON 90158** **CA LUST** **S110655074**
925 (FORMERLY 755) HOTEL CIRCLE S **N/A**
SAN DIEGO, CA 92108

LUST:

Region:	STATE
Global Id:	T0607302704
Latitude:	32.7599364545018
Longitude:	-117.169865369797
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/29/2010
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	EB
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT3944
LOC Case Number:	H21151-004
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	This case was opened due to soil contamination discovered during station upgrade activities in December 1999. Soil samples collected near the fill port on the eastern tank contained a maximum concentration of Total petroleum hydrocarbons as gasoline (TPHg) of 9417 mg/kg. A maximum of 1800 mg/kg TPHg were detected in the tank excavation samples. Monitoring wells were installed in 2000. Groundwater monitoring began in January 2001. There are nine wells associated with site. See Environmental Data for additional information.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302704
Contact Type:	Local Agency Caseworker
Contact Name:	Ellen Beacon
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	ellen.beacon@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607302704
Status:	Completed - Case Closed

CHEVRON 90158 (Continued) **S110655074**

Status Date: 11/29/2010

Global Id: T0607302704
Status: Open - Verification Monitoring
Status Date: 11/12/2001

Global Id: T0607302704
Status: Open - Case Begin Date
Status Date: 04/06/1999

Global Id: T0607302704
Status: Open - Remediation
Status Date: 11/12/2001

Regulatory Activities:

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 06/24/2010
Action: Notification - Public Notice of ROD/RAP/CAP

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 05/07/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302704
Action Type: Other
Date: 04/06/1999
Action: Leak Began

Global Id: T0607302704
Action Type: RESPONSE
Date: 10/13/2011
Action: Well Destruction Report

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 11/29/2010
Action: Closure/No Further Action Letter

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 11/23/2010
Action: LOP Case Closure Summary to RB

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 08/30/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302704
Action Type: Other
Date: 04/06/1999
Action: Leak Discovery

Global Id: T0607302704
Action Type: Other

CHEVRON 90158 (Continued) **S110655074**

Date: 04/06/1999
Action: Leak Stopped

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 07/09/1999
Action: Notice of Responsibility

Global Id: T0607302704
Action Type: Other
Date: 04/06/1999
Action: Leak Reported

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 08/06/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 02/11/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302704
Action Type: RESPONSE
Date: 07/30/2009
Action: Sensitive Receptor Survey Report

Global Id: T0607302704
Action Type: RESPONSE
Date: 07/30/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 07/08/2009
Action: Letter - Notice

Global Id: T0607302704
Action Type: ENFORCEMENT
Date: 08/06/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607302704
Action Type: RESPONSE
Date: 04/05/2010
Action: CAP/RAP - Other Report

Global Id: T0607302704
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0607302704
Action Type: RESPONSE
Date: 07/30/2010
Action: Monitoring Report - Semi-Annually

85 **LONG JACK STAROUST MOBIL** | **EDR US Hist Auto Stat** | **1008999095** | **N/A**
1110 N HOTEL CIR
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: LONG JACK STAROUST MOBIL
Year: 1970
Type: GASOLINE STATIONS

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85 **HATEF BOGZARAN** | **CA San Diego Co. HMMD** | **S106060354** | **N/A**
1110 N HOTEL CIR
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 103614
Business Type: 6HK03
EPA Id Number: Not reported
APN: DEH-103614
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 06/30/2002
Facility Owner: MOBIL OIL CORP
Facility Address: 1110 N HOTEL CIRCLE
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: MOBIL OIL CORP
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 103614 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 103614
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 10000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 103614 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 103614
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 8000
UST Contents: LEADED
Other Content Info: LEADED

HATEF BOGZARAN (Continued) **S106060354**

Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103614 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	103614
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	5000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 103614 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	103614
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

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85 **STARDUST MOBIL** **EDR US Hist Auto Stat** **1008998966**
1110 HOTEL CIR N **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	STARDUST MOBIL
Year:	1975
Type:	GASOLINE STATIONS
Name:	STARDUST MOBIL
Year:	1980
Type:	GASOLINE STATIONS
Name:	STARDUST MOBIL

STARDUST MOBIL (Continued) **1008998966**

Year: 1984
Type: GASOLINE STATIONS

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85 **C T - HOTEL** **CA HAZNET** **S112874788**
1550 HOTEL NORTH **N/A**
SAN DIEGO, CA 92121

HAZNET:
envid: S112874788
Year: 1996
GEPAID: CAC001214576
Contact: C T HOTEL
Telephone: 7145405188
Mailing Name: Not reported
Mailing Address: 3146 REDHILL AVE
Mailing City,St,Zip: COSTA MESA, CA 926270000
Gen County: Not reported
TSD EPA ID: IRC957100891
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: .2528
Facility County: San Diego

---

85 **HATEF BOGZARAN** **CA SWEEPS UST** **S106927143**
1110 N N HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:
Status: Not reported
Comp Number: 3614
Number: Not reported
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003614-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 4

Status: Not reported
Comp Number: 3614
Number: Not reported
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-003614-000002
Tank Status: Not reported

HATEF BOGZARAN (Continued) **S106927143**

Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	3614
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003614-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	3614
Number:	Not reported
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-003614-000004
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

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85 **CHEVRON #90158** **FINDS** **1014672996**
775 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110042274473

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

85 **CHEVRON 90158** **CA SWEEPS UST** **S106924315**
755 S HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	21151
Number:	9
Board Of Equalization:	44-023456
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021151-000004
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	21151
Number:	9
Board Of Equalization:	44-023456
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021151-000005
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	21151
Number:	9
Board Of Equalization:	44-023456
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021151-000006
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21151
Number:	Not reported

CHEVRON 90158 (Continued) **S106924315**

Board Of Equalization:	44-023456
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021151-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	3

Status:	Not reported
Comp Number:	21151
Number:	Not reported
Board Of Equalization:	44-023456
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021151-000002
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21151
Number:	Not reported
Board Of Equalization:	44-023456
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021151-000003
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	UNKNOWN
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

85 **CHEVRON 90158** **CA RGA LUST** **S114598109**
755 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA

RGA LUST:

2009	CHEVRON 90158	755 HOTEL CIRCLE S
2008	CHEVRON 90158	755 HOTEL CIRCLE S
2007	CHEVRON 90158	755 HOTEL CIRCLE S
2007	CHEVRON 90158	755 HOTEL CIRCLE S
2007	CHEVRON 90158	755 HOTEL CIRCLE S
2007	CHEVRON 90158	755 HOTEL CIRCLE S
2006	CHEVRON 90158	755 HOTEL CIRCLE S
2005	CHEVRON 90158	755 HOTEL CIRCLE S

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85 **CHEVRON STATION #9-0158** **CA HIST CORTESE** **S104025602**
755 HOTEL CIRCLE S **CA LUST** **N/A**
SAN DIEGO, CA 92108 **CA EMI**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3944

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3944
Local Case:	H21151-004
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	04/06/1999
Date Stopped:	04/06/1999
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	04/06/1999
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	04/06/1999
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	Not reported
Beneficial Use:	MUNBU
NPDES Number:	Not reported
Priority:	Medium priority

CHEVRON STATION #9-0158 (Continued) **S104025602**

File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

CHEVRON STATION #9-0158 (Continued) **S104025602**

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.7001594
Reactive Organic Gases Tons/Yr:	3.7001594
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541

CHEVRON STATION #9-0158 (Continued) **S104025602**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.7001594
Reactive Organic Gases Tons/Yr:	3.7001594
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.29
Reactive Organic Gases Tons/Yr:	2.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.29
Reactive Organic Gases Tons/Yr:	2.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.29
Reactive Organic Gases Tons/Yr:	2.29
Carbon Monoxide Emissions Tons/Yr:	0

CHEVRON STATION #9-0158 (Continued) **S104025602**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.29
Reactive Organic Gases Tons/Yr:	2.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4444
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.29
Reactive Organic Gases Tons/Yr:	2.29
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H21151-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	5/12/1993
Date Began:	2/11/1993

Case Number:	H21151-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	7/7/1993
Date Began:	2/11/1993

Case Number: H21151-003

CHEVRON STATION #9-0158 (Continued) **S104025602**

Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	1/24/1994
Date Began:	7/7/1993
Case Number:	H21151-004
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Remedial Investigation
Date:	11/12/2001
Date Began:	4/6/1999

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85 **CHEVRON USA** **CA RGA LUST** **S114599910**
755 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	CHEVRON USA	755 HOTEL CIRCLE S
2003	CHEVRON USA	755 HOTEL CIRCLE S

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85 **CA CHMIRS** **S109040644**
755 HOTEL CIRCLE SOUTH **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	07-1909
OES notification:	03/26/2007
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

(Continued) **S109040644**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Chevron Gas Station
Incident Date:	3/26/2007 12:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Gallons:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/26/07 at 1131 hours, a pump had no nozzle and was used by a customer who spilled about 5 gallons of gasoline onto the asphalt.

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85 **CHEVRON #90158** **RCRA-LQG** **1005904464**
775 HOTEL CIRCLE S **CAR000122952**
SAN DIEGO, CA 92108

RCRA-LQG:

Date form received by agency:	06/25/2010
Facility name:	CHEVRON #90158
Facility address:	775 HOTEL CIRCLE S SAN DIEGO, CA 92108
EPA ID:	CAR000122952
Mailing address:	PO BOX 6004 SAN RAMON, CA 94583
Contact:	BEVERLY STRIPLIN
Contact address:	PO BOX 6004

CHEVRON #90158 (Continued) **1005904464**

SAN RAMON, CA 94583
Contact country: US
Contact telephone: (925) 842-2150
Contact email: NAWTDESK @CHEVRON.COM
EPA Region: 09
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CHEVRON PRODUCTS CO
Owner/operator address: P O BOX 6004
SAN RAMON, CA 94583
Owner/operator country: Not reported
Owner/operator telephone: (925) 842-5931
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHEVRON ENVIRONMENTAL MANAGEMENT CO.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/14/1984
Owner/Op end date: Not reported

Owner/operator name: CHEVRON ENVIRONMENTAL
Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583
Owner/operator country: US
Owner/operator telephone: (925) 842-2150
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/14/1984
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

CHEVRON #90158 (Continued) **1005904464**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 134
. Waste name: 134

. Waste code: 223
. Waste name: 223

. Waste code: 343
. Waste name: 343

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Historical Generators:
Date form received by agency: 05/16/2002
Site name: CHEVRON STATION NO 90158
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

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85 **CHEVRON #90158** **FINDS** **1014676928**
755 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110041070168

Environmental Interest/Information System
CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

85 **CHEVRON STATION NO 90158** **FINDS** **1016056597**
755 HOTEL CIRCLE SOUTH **N/A**
SAN DIEGO, CA 92108

FINDS:

Registry ID: 110012542604

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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85 **CHEVRON STATIONS INC** **EDR US Hist Auto Stat** **1008998538**
755 HOTEL CIR S **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name: STANDARD STATIONS INC
Year: 1975
Type: GASOLINE STATIONS

Name: CHEVRON STATIONS INC
Year: 1980
Type: GASOLINE STATIONS

Name: CHEVRON STATIONS INC
Year: 1984
Type: GASOLINE STATIONS

Name: CHEVRON STATIONS
Year: 1999
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS
Year: 2000
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS
Year: 2001
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS
Year: 2002
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS
Year: 2003
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS
Year: 2004
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS
Year: 2005
Address: 755 HOTEL CIR S

CHEVRON STATIONS INC (Continued) **1008998538**

Name: CHEVRON STATIONS
Year: 2006
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS INC
Year: 2008
Address: 755 HOTEL CIR S

Name: CHEVRON STATIONS INC
Year: 2009
Address: 755 HOTEL CIR S

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85 **CHEVRON 90158** **CA HAZNET** **S113042094**
755 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S113042094
Year: 2002
GEPAID: CAL000049819
Contact: KATHY NORRIS
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.2
Facility County: San Diego

envid: S113042094
Year: 2002
GEPAID: CAL000049819
Contact: KATHY NORRIS
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 0.2
Facility County: San Diego

envid: S113042094
Year: 2000
GEPAID: CAL000049819
Contact: KATHY NORRIS
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported

CHEVRON 90158 (Continued) **S113042094**

TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.1
Facility County: San Diego

envid: S113042094
Year: 2000
GEPAID: CAL000049819
Contact: KATHY NORRIS
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.1
Facility County: San Diego

envid: S113042094
Year: 1998
GEPAID: CAL000049819
Contact: CHERVON PRODUCTS CO
Telephone: 9258425931
Mailing Name: Not reported
Mailing Address: PO BOX 6004
Mailing City,St,Zip: SAN RAMON, CA 945830000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 1.6680
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
5 additional CA_HAZNET: record(s) in the EDR Site Report.

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85 **CHEVRON 90158** **CA UST** **U003789704**
755 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

UST:
Facility ID: H21151
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.7602
Longitude: -117.16966

85 **90158**
755 HOTEL CIR S
SAN DIEGO, CA 92110

CA SLIC **U001572812**
CA HIST UST **N/A**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/07/1993
Global Id:	T0608132165
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21151-002
Latitude:	32.7599071318172
Longitude:	-117.169876098633
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/12/1993
Global Id:	T0608121104
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21151-001
Latitude:	32.759895853859
Longitude:	-117.169854640961
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/24/1994
Global Id:	T0608176605
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21151-003
Latitude:	32.7598687867536
Longitude:	-117.169849276543
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

90158 (Continued) **U001572812**

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000061741
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	CO BRANDED OUTLET-CHEVRON
Telephone:	6195749106
Owner Name:	CHEVRON U.S.A. INC.
Owner Address:	575 MARKET
Owner City,St,Zip:	SAN FRANCISCO, CA 94105
Total Tanks:	0003
Tank Num:	001
Container Num:	0000000001
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	0000000002
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	0000000003
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	0000250
Leak Detection:	Stock Inventor

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85 **CHEVRON #9-0158** **CA RGA LUST** **S114595593**
755 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA

RGA LUST:

2004	CHEVRON #9-0158	755 HOTEL CIRCLE S
2003	CHEVRON #9-0158	755 HOTEL CIRCLE S

85 **CHEVRON STATION #9-0158** **CA RGA LUST** **S114599372**
755 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA

RGA LUST:

2002	CHEVRON STATION #9-0158	755 HOTEL CIRCLE S
2001	CHEVRON STATION #9-0158	755 HOTEL CIRCLE S
2000	CHEVRON STATION #9-0158	755 HOTEL CIRCLE S

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85 **CHEVRON STATION NO 90158** **CA HAZNET** **S113176750**
755 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113176750
Year:	2010
GEPAID:	CAR000122952
Contact:	KATHY NORRIS-SLUSHER
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Other Treatment
Tons:	0.2
Facility County:	San Diego

envid:	S113176750
Year:	2010
GEPAID:	CAR000122952
Contact:	KATHY NORRIS-SLUSHER
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Other Treatment
Tons:	0.2
Facility County:	San Diego

envid:	S113176750
Year:	2010
GEPAID:	CAR000122952
Contact:	KATHY NORRIS-SLUSHER
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

CHEVRON STATION NO 90158 (Continued) **S113176750**

Tons:	1.05
Facility County:	San Diego
envid:	S113176750
Year:	2010
GEPAID:	CAR000122952
Contact:	KATHY NORRIS-SLUSHER
Telephone:	8773866044
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	SAN RAMON, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.05
Facility County:	San Diego
envid:	S113176750
Year:	2009
GEPAID:	CAR000122952
Contact:	Kathy Norris
Telephone:	9258425931
Mailing Name:	Not reported
Mailing Address:	PO BOX 6004
Mailing City,St,Zip:	San Ramon, CA 945830000
Gen County:	Not reported
TSD EPA ID:	CAD008302903
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	2.667
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
49 additional CA_HAZNET: record(s) in the EDR Site Report.

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85 **CHEVRON USA INC SS #90158** **CA San Diego Co. HMMD** **S106060930**
755 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	112460
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-112460
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	05/29/1997
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	CHEVRON PRODUCTS COMPANY

CHEVRON USA INC SS #90158 (Continued) **S106060930**

Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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85 **CHEVRON #90158** **CA San Diego Co. HMMD** **S106061826**
755 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 121151
Business Type: 6HK28
EPA Id Number: CAR000122952
APN: 444-060-10-00
Last HMMD Inspection: 05/24/2010
Permit Status: INAC
Permit Expiration: 06/30/2010
Facility Owner: CHEVRON PRODUCTS COMPANY
Facility Address: P.O. BOX 6004
Facility City: San Ramon
Facility State: CA
Facility Zip: 94583
UST Owner: CHEVRON USA INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 121151 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 121151
Tank Type: SINGLE WALL
Additional Id: 0000000001
Capacity Gallons: 10000
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS
Reg Status: REMOVED
Remove Close Date: 1986-11-08 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 121151 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 121151
Tank Type: SINGLE WALL
Additional Id: 0000000002
Capacity Gallons: 10000
UST Contents: Not reported
Other Content Info: SEE FILE FOR CONTENTS

CHEVRON #90158 (Continued) **S106061826**

Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121151 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121151
Tank Type:	SINGLE WALL
Additional Id:	0000000003
Capacity Gallons:	10000
UST Contents:	Not reported
Other Content Info:	SEE FILE FOR CONTENTS
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.
UST Name:	UNDERGROUND TANK 121151 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121151
Tank Type:	DOUBLE WALL
Additional Id:	RT0972 / RT1955/ RT2649/RT4522/AT5446
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2010-04-28 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	18
UST Monitor Method:	DW TNK SW PRESSURE PIPE W/ SHUTOFF LLD: INTERSTITIAL, PIPE TEST ANNUALLY 0.1 GAL/HR OR MONTHLY 0.2 GAL/HR.
UST Name:	UNDERGROUND TANK 121151 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	121151
Tank Type:	DOUBLE WALL
Additional Id:	RT0972 / RT1955/ RT2649/AT5446
Capacity Gallons:	10000
UST Contents:	MIDGRADE UNLEADED
Other Content Info:	MIDGRADE UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2010-04-28 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	18

CHEVRON #90158 (Continued) **S106061826**

UST Monitor Method:	DW TNK SW PRESSURE PIPE W/ SHUTOFF LLD: INTERSTITIAL, PIPE TEST ANNUALLY 0.1 GAL/HR OR MONTHLY 0.2 GAL/HR.
UST Name:	UNDERGROUND TANK 121151 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	121151
Tank Type:	DOUBLE WALL
Additional Id:	RT0972 / RT1955/ RT2649/AT5446
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	2010-04-28 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	18
UST Monitor Method:	DW TNK SW PRESSURE PIPE W/ SHUTOFF LLD: INTERSTITIAL, PIPE TEST ANNUALLY 0.1 GAL/HR OR MONTHLY 0.2 GAL/HR.

Violations Inactive Permits:

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/15/2004
Violation Code:	6HV3159
Violation:	MONITOR EQUIP NOT USED PER MANUFACTURER
Violation Citation:	Monitoring equipment not installed, calibrated, operated, and/or maintained per manufacturer's instructions. 2637(b), 2641(j).
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/12/2005
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/04/2007
Violation Code:	6HV3160
Violation:	UST SYSTEM REPAIRS NOT PROPERLY DONE
Violation Citation:	UST system repair(s) not completed properly. 25292.1(c); 2660 (a)(k)(l)(m)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/10/2008
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	Inactive Permit

CHEVRON #90158 (Continued) **S106061826**

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/10/2008
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/20/2009
Violation Code:	6HV3561
Violation:	SWPP2: NO HOURLY LLD MONIT DONE
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING: OPTION 2:Hourly line leak detector monitoring not performed. 25284.1(a)(4) (c); 2643(c)(1)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/04/2007
Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	03/19/2004
Violation Code:	6HV3266
Violation:	DISP. CONT. NOT INSTALLED
Violation Citation:	Under dispenser containment not installed. Required by December 31, 2003. 2636(h)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/04/2007
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/12/2005
Violation Code:	6HV3552
Violation:	NO LLD SHUT DOWN W/LEAK/FAIL/DISCONNECT
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING:Line leak detector does not shut down pump with release and detector failure/disconnection. 2666 (c)
Activity:	Inactive Permit

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/09/2006

CHEVRON #90158 (Continued) **S106061826**

Violation Code:	6HV3257
Violation:	2NDRY CONTAINMENT NOT LIQUID FREE
Violation Citation:	Secondary containment system components not liquid free. 2631(d)(4)
Activity:	Inactive Permit
Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/20/2009
Violation Code:	6HV3264
Violation:	SPILL CONT. NOT TESTED ANNUALLY
Violation Citation:	Spill containment at fill point not tested annually. 25284.2
Activity:	Inactive Permit
Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/20/2009
Violation Code:	6HV3267
Violation:	DISP. CONTAINMENT NOT ADEQ. MONITORED
Violation Citation:	Dispenser containment not adequately monitored. 2636(f)(1) or (f)(5)(A)
Activity:	Inactive Permit
Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/20/2009
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	Inactive Permit
Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/04/2007
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	Inactive Permit
Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/04/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	Inactive Permit
Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/20/2009
Violation Code:	6HV3116
Violation:	NO YRLY CERT. FOR CONTIN. MONITOR
Violation Citation:	Annual certification for continuous monitoring system not completed (new tanks). 25284.1(a)(4)(C); 2630(d), 2638
Activity:	Inactive Permit

CHEVRON #90158 (Continued) **S106061826**

Facility Id:	121151
Update Date:	11/02/2012
Inspection Date:	10/20/2009
Violation Code:	6HV3551
Violation:	LINE LEAK DETECTOR NOT CERTIFIED YEARLY
Violation Citation:	SINGLE WALLED PRESSURIZED PIPING: Line leak detector not certified annually. 25284.1(a)(4)(C); 2641(j)
Activity:	Inactive Permit

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85 **THE HOLIDAY INN SELECT MISSION VALLEY** **CA San Diego Co. HMMD** **S106062417**
595 S HOTEL CR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	126192
Business Type:	6HK41
EPA Id Number:	Not reported
APN:	444-110-05-00
Last HMMD Inspection:	02/18/2003
Permit Status:	CHNG
Permit Expiration:	04/30/2003
Facility Owner:	AGH LEASING LP
Facility Address:	595 HOTEL CIRCLE S
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3403
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	201397
Business Type:	6HK41
EPA Id Number:	Not reported
APN:	444-110-05-00
Last HMMD Inspection:	08/28/2007
Permit Status:	CHNG
Permit Expiration:	08/31/2008
Facility Owner:	COLLINGWOOD HISD, LLC
Facility Address:	3340 PLAYERS CLUB PY #200
Facility City:	MEMPHIS
Facility State:	TN
Facility Zip:	38125
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	210119
Business Type:	6HK18
EPA Id Number:	Not reported

THE HOLIDAY INN SELECT MISSION VALLEY (Continued) **S106062417**

APN:	444-110-05-00
Last HMMD Inspection:	05/02/2011
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	MBP LAND, LLC
Facility Address:	595 HOTEL CIRCLE SOUTH
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	210119
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	TWO EMERGENCRY GENERATORS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	210119
Update Date:	11/02/2012
Inspection Date:	12/11/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	210119
Update Date:	11/02/2012
Inspection Date:	05/02/2011
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE

Facility Id:	210119
Update Date:	11/02/2012
Inspection Date:	12/11/2008
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Facility Id:	210119

THE HOLIDAY INN SELECT MISSION VALLEY (Continued) **S106062417**

Business Type:	6HK18
EPA Id Number:	Not reported
APN:	444-110-05-00
Last HMMD Inspection:	05/02/2011
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	MBP LAND, LLC
Facility Address:	595 HOTEL CIRCLE SOUTH
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	N
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	210119
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	TWO EMERGENCRY GENERATORS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	210119
Update Date:	11/02/2012
Inspection Date:	12/11/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

Facility Id:	210119
Update Date:	11/02/2012
Inspection Date:	05/02/2011
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE

Facility Id:	210119
Update Date:	11/02/2012
Inspection Date:	12/11/2008
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

THE HOLIDAY INN SELECT MISSION VALLEY (Continued) **S106062417**

Click this hyperlink while viewing on your computer to access additional CA_HMMD: detail in the EDR Site Report.

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85 **BEST WESTERN SEVEN SEAS** **CA San Diego Co. HMMD** **S110497225**
411 S HOTEL CR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	212285
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	444-110-10-00
Last HMMD Inspection:	08/18/2010
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	BEST WESTERN SEVEN SEAS
Facility Address:	411 HOTEL CIR SOUTH
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	212285
Update Date:	11/02/2012
Case Number:	Not reported
Name:	SODIUM HYPOCHLONITE
Other Information:	POOL BLEACH
Material Waste:	Material
Hazardous Categories 1:	REACTIVE
Hazardous Categories 2:	ACUTE

Violations Active Permits:

Facility Id:	212285
Update Date:	11/02/2012
Inspection Date:	08/18/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE

85 **VAGABOND INN** **CA NPDES** **S112885880**
625 HOTEL CIR **CA HAZNET** **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	438810
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C366892
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	06/20/2013
PROCESSED DATE:	06/24/2013
STATUS CODE NAME:	Active
STATUS DATE:	06/24/2013
PLACE SIZE:	2.78
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Bobby Patel
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-302-7579
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	cnoble@hotelhosts.com
OPERATOR NAME:	Vagabond Inn
OPERATOR ADDRESS:	625 hotel circle south
OPERATOR CITY:	san diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	Bobby Patel
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-302-7579
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	cnoble@hotelhosts.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Vagabond Inn
DEVELOPER ADDRESS:	625 hotel circle south
DEVELOPER CITY:	san diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92108
DEVELOPER CONTACT NAME:	Bobby Patel
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N

VAGABOND INN (Continued) **S112885880**

CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Lower San Diego River
CERTIFIER NAME:	bobby Patel
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	20-JUN-13
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	438810
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C366892
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/24/2013
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Vagabond Inn
Discharge Address:	625 hotel circle south
Discharge City:	san diego
Discharge State:	California
Discharge Zip:	92108
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported

VAGABOND INN (Continued) **S112885880**

OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HAZNET:

envid:	S112885880
Year:	1998
GEPAID:	CAC001373688
Contact:	VAGABOND INN
Telephone:	6192971691
Mailing Name:	Not reported
Mailing Address:	625 HOTEL CIR
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.2528
Facility County:	San Diego

85 **CA CHMIRS** **S105666611**
595 HOTEL CIR. SOUTH **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	00-3170
OES notification:	07/15/2000
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	City of San Diego
Incident Date:	7/15/200012:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	Sewage
Gallons:	1620
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0

(Continued) **S105666611**

Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A root blockage in line caused spill.

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85 **CA CHMIRS** **S105664899**
595 HOTEL CIRCLE SOUTH **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	00-3801
OES notification:	08/23/2000
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

(Continued) **S105664899**

Date/Time:	Not reported
Year:	2000
Agency:	City of San Diego
Incident Date:	8/23/200012:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	raw sewage
Gallons:	4200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A sewer main overflow. Roots were the cause. They believe they recovered 2100 gallons. They are trying to recover the other 2100 gallons in the storm drain.
OES Incident Number:	00-5015
OES notification:	10/27/2000
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

(Continued) **S105664899**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Diego River/Pacific Ocean
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	City of San Diego
Incident Date:	10/27/200012:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage
Gallons:	12,000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Sewer lateral from the Holiday Inn in Mission Valley clogged, possibly roots but unsure. Sewage got into San Diego River and then into the ocean. The hotel Mgr, called Roto Rooter.

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85 **HANDLERY HOTEL** **CA HAZNET** **S112957748**
950 HOTEL CIR N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112957748
Year:	2006
GEPAID:	CAC002610633
Contact:	BRUCE BILLINGS
Telephone:	6192799437
Mailing Name:	Not reported
Mailing Address:	950 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921082902
Gen County:	Not reported

HANDLERY HOTEL (Continued) **S112957748**

TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1
Facility County:	San Diego
envid:	S112957748
Year:	2006
GEPAID:	CAC002610633
Contact:	BRUCE BILLINGS
Telephone:	6192799437
Mailing Name:	Not reported
Mailing Address:	950 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921082902
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.06
Facility County:	San Diego
envid:	S112957748
Year:	2006
GEPAID:	CAC002610633
Contact:	BRUCE BILLINGS
Telephone:	6192799437
Mailing Name:	Not reported
Mailing Address:	950 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921082902
Gen County:	Not reported
TSD EPA ID:	ARD981057870
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.06
Facility County:	San Diego

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85 **CA CHMIRS** **S100178308**
950 HOTEL CIRCLE NORTH **CA Notify 65** **N/A**
SAN DIEGO, CA 92123

CHMIRS:

OES Incident Number:	00-3877
OES notification:	08/28/2000
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported

(Continued) **S100178308**

Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	City of San Diego Metro Waste Water
Incident Date:	8/28/200012:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Sewage
Gallons:	1,575
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Grease stoppage in mainline causing the over flow. Started at 10:56 and ended at 12:41pm

(Continued) **S100178308**

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92108-2905

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85 **HANDLERY HOTEL SAN DIEGO** **CA HAZNET** **S113036858**
950 HOTEL CIR N **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113036858
Year: 2012
GEPAID: CAL000038272
Contact: BRUCE BILLINGS EXT 359
Telephone: 6192980511
Mailing Name: Not reported
Mailing Address: 950 HOTEL CIR N
Mailing City,St,Zip: SAN DIEGO, CA 921082902
Gen County: San Diego
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.114
Facility County: San Diego

envid: S113036858
Year: 2012
GEPAID: CAL000038272
Contact: BRUCE BILLINGS EXT 359
Telephone: 6192980511
Mailing Name: Not reported
Mailing Address: 950 HOTEL CIR N
Mailing City,St,Zip: SAN DIEGO, CA 921082902
Gen County: San Diego
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.132
Facility County: San Diego

envid: S113036858
Year: 2012
GEPAID: CAL000038272
Contact: BRUCE BILLINGS EXT 359
Telephone: 6192980511
Mailing Name: Not reported
Mailing Address: 950 HOTEL CIR N
Mailing City,St,Zip: SAN DIEGO, CA 921082902
Gen County: San Diego
TSD EPA ID: CAD028409019
TSD County: Los Angeles

HANDLERY HOTEL SAN DIEGO (Continued) **S113036858**

Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.132
Facility County: San Diego

envid: S113036858
Year: 2012
GEPAID: CAL000038272
Contact: BRUCE BILLINGS EXT 359
Telephone: 6192980511
Mailing Name: Not reported
Mailing Address: 950 HOTEL CIR N
Mailing City,St,Zip: SAN DIEGO, CA 921082902
Gen County: San Diego
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.114
Facility County: San Diego

envid: S113036858
Year: 1996
GEPAID: CAL000038272
Contact: HANDLERY HOTELS INC
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 950 HOTEL CIR N
Mailing City,St,Zip: SAN DIEGO, CA 921082905
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 11.7992
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

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85 **HANDLERY HOTEL & COUNTRY CLUB** **CA HAZNET** **S112923150**
950 HOTEL CIR NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112923150
Year: 2002
GEPAID: CAC002553682
Contact: BRUCE BILLINGS
Telephone: 6192980511
Mailing Name: Not reported
Mailing Address: 950 HOTEL CIR NORTH
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Other organic solids

HANDLERY HOTEL & COUNTRY CLUB (Continued) **S112923150**

Disposal Method: Disposal, Land Fill
Tons: 0.15
Facility County: San Diego

envid: S112923150
Year: 2002
GEPAID: CAC002553682
Contact: BRUCE BILLINGS
Telephone: 6192980511
Mailing Name: Not reported
Mailing Address: 950 HOTEL CIR NORTH
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Tons: 0.45
Facility County: San Diego

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85 **TOWN & COUNTRY SERVICE STATION** **EDR US Hist Auto Stat** **1008999690**
504 HOTEL CIR S **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: TOWN & COUNTRY SERVICE STATION
Year: 1961
Type: GASOLINE STATIONS

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85 **HANDLERY HOTEL** **CA San Diego Co. HMMD** **S106062037**
950 N HOTEL CR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 123260
Business Type: 6HK41
EPA Id Number: CAL000038272
APN: 437-360-04-00
Last HMMD Inspection: 05/03/2011
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: HANDLERY HOTELS INC
Facility Address: 950 HOTEL CIRCLE N
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-2905
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 123260
Update Date: 11/02/2012

HANDLERY HOTEL (Continued) **S106062037**

Case Number:	7681-52-9
Name:	SODIUM HYPOCHLORITE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	123260
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	USED OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	123260
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	THINNER WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

---

85 **MOBIL OIL CO** **EDR US Hist Auto Stat** **1008998741**
950 W HOTEL CIR **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	MOBIL OIL CO
Year:	1966
Type:	GASOLINE STATIONS

---

85 **HOTEL CIRCLE SEVENTY SIX** **CA SWEEPS UST** **S106927394**
504 N HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	12786
Number:	9
Board Of Equalization:	44-022643
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

85 **HOTEL CIRCLE SERVICE STATION** **EDR US Hist Auto Stat** **1008998978**
504 N HOTEL CIR **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: HOTEL CIRCLE SERVICE STATION
Year: 1970
Type: GASOLINE STATIONS

---

85 **HOTEL CIRCLE SEVENTY SIX** **CA San Diego Co. HMMD** **S106060978**
504 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 112786
Business Type: Not reported
EPA Id Number: Not reported
APN: 437-260-27-00
Last HMMD Inspection: 10/24/1988
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: ATLAS HOTELS
Facility Address: 504 HOTEL CIRCLE N
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-3005
UST Owner: ATLAS HOTELS INC
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112786 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112786
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 7500
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1989-02-06 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: SUCTION
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 112786 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 112786
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 5100
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED

HOTEL CIRCLE SEVENTY SIX (Continued) **S106060978**

Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112786 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112786
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1989-02-06 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

---

85 **ATLAS HOTEL** **CA RGA LUST** **S114578749**
504 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA

RGA LUST:

2002	ATLAS HOTEL	504 HOTEL CIRCLE N
2001	ATLAS HOTEL	504 HOTEL CIRCLE N
2000	ATLAS HOTEL	504 HOTEL CIRCLE N
1998	ATLAS HOTEL	504 HOTEL CIRCLE N
1997	ATLAS HOTEL	504 HOTEL CIRCLE N
1996	ATLAS HOTEL	504 HOTEL CIRCLE N
1995	ATLAS HOTEL	504 HOTEL CIRCLE N

---

85 **ATLAS HOTEL** **CA RGA LUST** **S114578750**
504 HOTEL CIRCLE, NORTH **N/A**
SAN DIEGO, CA

RGA LUST:

1994	ATLAS HOTEL	504 HOTEL CIRCLE, NORTH
1993	ATLAS HOTEL	504 HOTEL CIRCLE, NORTH

85 **HOTEL CIRCLE SEVENTY SIX** **CA RGA LUST** **S114633514**
504 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA

RGA LUST:

2012	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2011	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2010	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2009	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2008	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2007	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2006	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2005	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2004	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N
2003	HOTEL CIRCLE SEVENTY SIX	504 HOTEL CIRCLE N

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85 **HOTEL CIRCLE SEVENTY SIX** **CA LUST** **U001572774**
504 HOTEL CIRCLE N **CA HIST UST** **N/A**
SAN DIEGO, CA 92108

LUST:

Region:	STATE
Global Id:	T0607300245
Latitude:	32.7616009
Longitude:	-117.1676507
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/30/1992
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1406
LOC Case Number:	H12786-001
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300245
Status:	Completed - Case Closed
Status Date:	08/30/1992
Global Id:	T0607300245
Status:	Open - Case Begin Date
Status Date:	05/11/1989

Regulatory Activities:

Global Id:	T0607300245
Action Type:	Other
Date:	05/11/1989
Action:	Leak Began
Global Id:	T0607300245
Action Type:	Other
Date:	05/11/1989
Action:	Leak Discovery

HOTEL CIRCLE SEVENTY SIX (Continued) **U001572774**

Global Id:	T0607300245
Action Type:	Other
Date:	05/11/1989
Action:	Leak Stopped
Global Id:	T0607300245
Action Type:	ENFORCEMENT
Date:	05/23/1989
Action:	Notice of Responsibility
Global Id:	T0607300245
Action Type:	Other
Date:	05/11/1989
Action:	Leak Reported

HIST UST:

Region:	STATE
Facility ID:	00000059619
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	RALPH COULTER
Telephone:	6192952626
Owner Name:	ATLAS HOTELS, INC.
Owner Address:	500 HOTEL CIRCLE NORTH
Owner City,St,Zip:	SAN DIEGO, CA 92108
Total Tanks:	0003
Tank Num:	001
Container Num:	U LEADED
Year Installed:	Not reported
Tank Capacity:	00007400
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	SUPER
Year Installed:	Not reported
Tank Capacity:	00005300
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	#3
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

85 **HOTEL CIRCLE SEVENTY SIX** **CA SAN DIEGO CO. SAM** **S108407082**
504 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. SAM:
Case Number: H12786-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 8/30/1992
Date Began: 5/11/1989

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85 **ATLAS HOTEL** **CA LUST** **1000303951**
504 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA 92108

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1406
Local Case: H12786-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 05/19/1989
Date Stopped: 05/11/1989
Confirm Date: 05/11/1989
Submit Workplan: Not reported
Prelim Assess: 06/07/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 01/24/1990
Enforce Date: 5/23/89
Closed Date: 8/17/92
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 10’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

85 **HOTEL CIRCLE SERVICE STATION** **EDR US Hist Auto Stat** **1008999351**
504 HOTEL CIR N **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	HOTEL CIRCLE SERVICE STATION
Year:	1975
Type:	GASOLINE STATIONS

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85 **ATLAS HOTEL** **CA RGA LUST** **S114578748**
504 HOTEL CIRCLE NORTH **N/A**
SAN DIEGO, CA

RGA LUST:

1992 ATLAS HOTEL 504 HOTEL CIRCLE NORTH

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85 **ATLAS HOTELS EXHIBIT HALL** **CA NPDES** **S117695106**
500 HOTEL CIRCLE NORTH **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	287524
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C337142
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	05/27/2010
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	10/13/2005
STATUS CODE NAME:	Terminated
STATUS DATE:	05/27/2010
PLACE SIZE:	2
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Dave Homa
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-291-2232
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Atlas Hotels, Inc.
OPERATOR ADDRESS:	500 Hotel Cir N
OPERATOR CITY:	San Diego
OPERATOR STATE:	California

ATLAS HOTELS EXHIBIT HALL (Continued) **S117695106**

OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	Dave Homa
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-291-2232
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Other
DEVELOPER NAME:	BYLOR
DEVELOPER ADDRESS:	6490 Marindustry Dr
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92121
DEVELOPER CONTACT NAME:	Greg Melton
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-291-2232
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Greg Melton
CERTIFIER TITLE:	Director Of Engineering
CERTIFICATION DATE:	05-OCT-05
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

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85 **ATLAS HOTEL** **CA HIST CORTESE** **S104747492**
504 HOTEL **N/A**
SAN DEIGO, CA

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1406

85 **FIRESTONE FASHION VALLEY 35F1** **CA HIST UST** **1000222900**
140 FASHION VLY **N/A**
SAN DIEGO, CA 92108

HIST UST:

Region:	STATE
Facility ID:	00000005929
Facility Type:	Other
Other Type:	AUTO SERVICE CENTER
Contact Name:	BOB CHAN
Telephone:	6192976440
Owner Name:	J.C. PENNY CO. INC.
Owner Address:	1301 AVENUE OF THE AMERICA
Owner City,St,Zip:	NEW YORK, NY 10019
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

---

85 **EDR US Hist Auto Stat** **1015219091**
140 FASHION VLY **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	AMERICAN TIRE & SERVICE
Year:	2002
Address:	140 FASHION VLY
Name:	FIRESTONE TIRE AND SERVICE CENTER
Year:	2005
Address:	140 FASHION VLY
Name:	FIRESTONE TIRE & SERVICE CENTER
Year:	2006
Address:	140 FASHION VLY
Name:	FIRESTONE TIRE & SERVICE CENTER
Year:	2007
Address:	140 FASHION VLY
Name:	FIRESTONE TIRE & SERVICE CENTERS
Year:	2008
Address:	140 FASHION VLY
Name:	FIRESTONE TIRE & SERVICE CENTER
Year:	2009
Address:	140 FASHION VLY

85 **FIRESTONE TIRE AND RUBBER** **CA HIST CORTESE** **S104406446**
140 FASHION VALLEY **CA LUST** **N/A**
SAN DIEGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT222

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT222
Local Case:	H15985-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Piping
Cause:	Overfill
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	11/03/1986
Date Stopped:	11/03/1986
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	11/25/1986
Enforce Date:	Not reported
Closed Date:	1/27/87
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	>10
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

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85 **FIRESTONE TIRE AND RUBBER** **CA RGA LUST** **S114620448**
140 FASHION VALLEY **N/A**
SAN DIEGO, CA

RGA LUST:

2002	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
2001	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
2000	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
1998	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
1997	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY

FIRESTONE TIRE AND RUBBER (Continued) **S114620448**

1996	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
1995	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
1994	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
1993	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY
1992	FIRESTONE TIRE AND RUBBER	140 FASHION VALLEY

---

85 **FIRESTONE** **CA SWEEPS UST** **S106926214**
140 FASHION VALLEY CIR **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	15985
Number:	9
Board Of Equalization:	44-022934
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-015985-000002
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	1

Status:	Not reported
Comp Number:	15985
Number:	Not reported
Board Of Equalization:	44-022934
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-015985-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

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85 **FIRESTONE STORE #22F2** **CA HAZNET** **S113008333**
140 FASHION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113008333
Year:	2004
GEPAID:	CAD981631195
Contact:	JIM NASTOF/CONTROLLER
Telephone:	9499514616
Mailing Name:	Not reported

FIRESTONE STORE #22F2 (Continued) **S113008333**

Mailing Address: 24031 EL TORO ROAD SUITE 250
Mailing City,St,Zip: LAGUNA HILLS, CA 926532261
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.12
Facility County: San Diego

envid: S113008333
Year: 1997
GEPAID: CAD981631195
Contact: BRIDGESTONE/FIRESTONE INC
Telephone: 9499514616
Mailing Name: Not reported
Mailing Address: 24031 EL TORO ROAD SUITE 250
Mailing City,St,Zip: LAGUNA HILLS, CA 926532261
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: .3836
Facility County: San Diego

envid: S113008333
Year: 1994
GEPAID: CAD981631195
Contact: BRIDGESTONE/FIRESTONE INC
Telephone: 9499514616
Mailing Name: Not reported
Mailing Address: 24031 EL TORO ROAD SUITE 250
Mailing City,St,Zip: LAGUNA HILLS, CA 926532261
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Tons: .3300
Facility County: San Diego

envid: S113008333
Year: 1994
GEPAID: CAD981631195
Contact: BRIDGESTONE/FIRESTONE INC
Telephone: 9499514616
Mailing Name: Not reported
Mailing Address: 24031 EL TORO ROAD SUITE 250
Mailing City,St,Zip: LAGUNA HILLS, CA 926532261
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Oil/water separation sludge
Disposal Method: Transfer Station
Tons: .4587
Facility County: San Diego

FIRESTONE STORE #22F2 (Continued) **S113008333**

envid: S113008333
Year: 1994
GEPAID: CAD981631195
Contact: BRIDGESTONE/FIRESTONE INC
Telephone: 9499514616
Mailing Name: Not reported
Mailing Address: 24031 EL TORO ROAD SUITE 250
Mailing City,St,Zip: LAGUNA HILLS, CA 926532261
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: .1000
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

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85 **JC PENNY COMPANY INC** **CA HAZNET** **S112863154**
202 FASHION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112863154
Year: 2013
GEPAID: CAC002735932
Contact: JENNIFER MARTINELLI
Telephone: 6269604728
Mailing Name: Not reported
Mailing Address: 202 FASHION VALLEY DR
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.8428
Facility County: Not reported

envid: S112863154
Year: 2013
GEPAID: CAC002735932
Contact: JENNIFER MARTINELLI
Telephone: 6269604728
Mailing Name: Not reported
Mailing Address: 202 FASHION VALLEY DR
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: Not reported

JC PENNY COMPANY INC (Continued) **S112863154**

envid: S112863154
Year: 1995
GEPAID: CAC001048920
Contact: JC PENNY COMPANY INC
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 202 FASHION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: AZD049318009
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Recycler
Tons: .6880
Facility County: San Diego

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85 **BROADWAY DEPT STORE #38** **CA HAZNET** **S113180385**
275 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S113180385
Year: 1999
GEPAID: CAX000107201
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: Not reported
Mailing City,St,Zip: LOS ANGELES, CA 900310000
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Transfer Station
Tons: .6375
Facility County: San Diego

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85 **1X BROADWAY DEPARTMENT STORES** **CA HAZNET** **S112850892**
275 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112850892
Year: 1993
GEPAID: CAC000895976
Contact: CARTER HARDY HALE
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 275 FASHION VALLEY
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Tons: 0.20849999999

1X BROADWAY DEPARTMENT STORES (Continued) **S112850892**

Facility County: San Diego

envid: S112850892
Year: 1993
GEPAID: CAC000895976
Contact: CARTER HARDY HALE
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 275 FASHION VALLEY
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT080031628
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Tons: 0.69630000000
Facility County: San Diego

envid: S112850892
Year: 1993
GEPAID: CAC000895976
Contact: CARTER HARDY HALE
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 275 FASHION VALLEY
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT080031628
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Recycler
Tons: 0
Facility County: San Diego

---

85 **FASHION VALLEY VENTURES** **CA HAZNET** **S112842654**
310 FASHION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112842654
Year: 1995
GEPAID: CAC000753608
Contact: FASHION VALLEY VENTURES
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 452 FASHION VALLEY RD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 4.2140
Facility County: San Diego

85 **EDR US Hist Auto Stat** **1015415089**
312 FASHION VLY **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name:	BODY SHOP SKIN & HAIR CARE
Year:	1999
Address:	312 FASHION VLY
Name:	BODY SHOP SKIN & HAIR CARE
Year:	2000
Address:	312 FASHION VLY

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85 **60 MINUTES PHOTO** **CA San Diego Co. HMMD** **S104753573**
340 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	133066
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	437-240-28-00
Last HMMD Inspection:	05/07/1992
Permit Status:	INAC
Permit Expiration:	05/07/1992
Facility Owner:	AL MARQUEZ
Facility Address:	340 FASHION VALLEY
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

85 **1X FASHION VALLEY VENTURE** **CA HAZNET** **S112838242**
352 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112838242
Year:	1997
GEPAID:	CAC000552776
Contact:	FASHION VALLEY VENTURE
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	Not reported
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	.6741
Facility County:	San Diego

85 **1X IMAGINAN** **CA HAZNET** **S112844778**
385 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112844778
Year:	1993
GEPAID:	CAC000780224
Contact:	MACY'S
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	SAME
Mailing City,St,Zip:	CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	3.3712
Facility County:	San Diego

---

85 **FASHION VALLEY VENTURE** **CA HAZNET** **S112856576**
394 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112856576
Year:	1994
GEPAID:	CAC000961656
Contact:	FASHION VALLEY VENTURE
Telephone:	6192973381
Mailing Name:	Not reported
Mailing Address:	452 FASHION VALLEY
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	1.6856
Facility County:	San Diego

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85 **BLOOMINGDALE'S INC** **CA HAZNET** **S113145836**
399 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113145836
Year:	2013
GEPAID:	CAL000315171
Contact:	MICHAEL FERRERA
Telephone:	2127052424
Mailing Name:	Not reported
Mailing Address:	7 W 7TH ST
Mailing City,St,Zip:	CINCINNATI, OH 452020000
Gen County:	San Diego
TSD EPA ID:	TXD077603371
TSD County:	99

BLOOMINGDALE'S INC (Continued) **S113145836**

Waste Category: Not reported
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.4
Facility County: Not reported

envid: S113145836
Year: 2013
GEPAID: CAL000315171
Contact: MICHAEL FERRERA
Telephone: 2127052424
Mailing Name: Not reported
Mailing Address: 7 W 7TH ST
Mailing City,St,Zip: CINCINNATI, OH 452020000
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.1875
Facility County: Not reported

envid: S113145836
Year: 2013
GEPAID: CAL000315171
Contact: MICHAEL FERRERA
Telephone: 2127052424
Mailing Name: Not reported
Mailing Address: 7 W 7TH ST
Mailing City,St,Zip: CINCINNATI, OH 452020000
Gen County: San Diego
TSD EPA ID: NED981723513
TSD County: 99
Waste Category: Not reported
Disposal Method: Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.78
Facility County: Not reported

envid: S113145836
Year: 2013
GEPAID: CAL000315171
Contact: MICHAEL FERRERA
Telephone: 2127052424
Mailing Name: Not reported
Mailing Address: 7 W 7TH ST
Mailing City,St,Zip: CINCINNATI, OH 452020000
Gen County: San Diego
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Not reported
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4
Facility County: Not reported

envid: S113145836
Year: 2013
GEPAID: CAL000315171

BLOOMINGDALE'S INC (Continued) **S113145836**

Contact:	MICHAEL FERRERA
Telephone:	2127052424
Mailing Name:	Not reported
Mailing Address:	7 W 7TH ST
Mailing City,St,Zip:	CINCINNATI, OH 452020000
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.125
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
18 additional CA_HAZNET: record(s) in the EDR Site Report.

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85 **FASHION VALLEY SHOPPING CTR** **CA HAZNET** **S113091730**
452 FASHION VALLEY RD **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113091730
Year:	2000
GEPAID:	CAL000174321
Contact:	ART AUSTIN/MAINT SUPV
Telephone:	6196889112
Mailing Name:	Not reported
Mailing Address:	7007 FRIARS RD STE 392
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD009007626
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	2.52
Facility County:	San Diego

envid:	S113091730
Year:	2000
GEPAID:	CAL000174321
Contact:	ART AUSTIN/MAINT SUPV
Telephone:	6196889112
Mailing Name:	Not reported
Mailing Address:	7007 FRIARS RD STE 392
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.14
Facility County:	San Diego

envid:	S113091730
Year:	1999
GEPAID:	CAL000174321
Contact:	WQUITABLE LIFE ASSURANCE
Telephone:	0000000000

FASHION VALLEY SHOPPING CTR (Continued) **S113091730**

Mailing Name: Not reported
Mailing Address: 7007 FRIARS RD STE 392
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .3850
Facility County: San Diego

envid: S113091730
Year: 1998
GEPAID: CAL000174321
Contact: WQUITABLE LIFE ASSURANCE
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7007 FRIARS RD STE 392
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 5.0568
Facility County: San Diego

envid: S113091730
Year: 1998
GEPAID: CAL000174321
Contact: WQUITABLE LIFE ASSURANCE
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 7007 FRIARS RD STE 392
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD028409019
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .2450
Facility County: San Diego

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

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85 **1X FASHION VALLEY VENTURE** **CA HAZNET** **S112850850**
512 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112850850
Year: 1993
GEPAID: CAC000895560
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 452 FASHION VALLEY

1X FASHION VALLEY VENTURE (Continued) **S112850850**

Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.16850000000
Facility County: San Diego

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85 **FASHION VALLEY VENTURE** **CA HAZNET** **S112853606**
583 FASHION VALLEY **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112853606
Year: 1994
GEPAID: CAC000927096
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 452 FASHION VALLEY
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 2.5284
Facility County: San Diego

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85 **FASHION VALLEY VENTURE** **CA HAZNET** **S112840895**
596 FASHION VALLEY ROAD **N/A**
SAN DIEGO, CA 92108

HAZNET:
envid: S112840895
Year: 1995
GEPAID: CAC000729552
Contact: GENE KEMP/CONTACT
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 452 FASHION VALLEY ROAD
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: .8428
Facility County: San Diego

85 **TOWN AND COUNTRY HOTEL, LLC.** **CA HAZNET** **S113010899**
500 HOTEL CIRCLE NORTH **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113010899
Year:	2013
GEPAID:	CAD981969447
Contact:	DAVE HOMA
Telephone:	6192912232
Mailing Name:	Not reported
Mailing Address:	500 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921083005
Gen County:	San Diego
TSD EPA ID:	NMD002208627
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.08
Facility County:	Not reported

envid:	S113010899
Year:	2013
GEPAID:	CAD981969447
Contact:	DAVE HOMA
Telephone:	6192912232
Mailing Name:	Not reported
Mailing Address:	500 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921083005
Gen County:	San Diego
TSD EPA ID:	AZD983476680
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.04959
Facility County:	Not reported

envid:	S113010899
Year:	2012
GEPAID:	CAD981969447
Contact:	DAVE HOMA
Telephone:	6192912232
Mailing Name:	Not reported
Mailing Address:	500 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921083005
Gen County:	San Diego
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0755
Facility County:	San Diego

envid:	S113010899
Year:	2012
GEPAID:	CAD981969447
Contact:	DAVE HOMA

TOWN AND COUNTRY HOTEL, LLC. (Continued) **S113010899**

Telephone:	6192912232
Mailing Name:	Not reported
Mailing Address:	500 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921083005
Gen County:	San Diego
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0755
Facility County:	San Diego

envid:	S113010899
Year:	2012
GEPAID:	CAD981969447
Contact:	DAVE HOMA
Telephone:	6192912232
Mailing Name:	Not reported
Mailing Address:	500 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921083005
Gen County:	San Diego
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0245
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
151 additional CA_HAZNET: record(s) in the EDR Site Report.

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85 **TOWN & COUNTRY RESORT CONVENTION CENTER PARKING EXPANSION** **CA SLIC** **S103662271**
500 NORTH HOTEL CIRCLE **CA ENF** **N/A**
SAN DIEGO, CA 91977

SLIC REG 9:

Region:	9
Facilty Type:	Cleanup And Abatement Order
Status:	Open
Sort Code:	20-0014.02
Waste Discharger Id:	Not reported
Local Case Num:	Not reported
Responsible Party:	TOWN AND COUNTRY RESORT HOTEL
Category:	GENERAL
Class:	SLIC
Order Number:	98-222
File Number:	1
Date Entered:	10/1998
End Date:	Not reported
Archive Box #:	0
Archive Box Storage:	Not reported
Archive Box Storage Location:	Not reported
Remarks:	Not reported

ENF:

TOWN & COUNTRY RESORT CONVENTION CENTER PARKING EXPANSION (Continued) **S103662271**

Region:	9
Facility Id:	625561
Agency Name:	Not reported
Place Type:	All Other
Place Subtype:	Dredge/Fill Site
Facility Type:	Not reported
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESSW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

TOWN & COUNTRY RESORT CONVENTION CENTER PARKING EXPANSION (Continued) **S103662271**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	318696
Region:	9
Order / Resolution Number:	R9-2006-0151
Enforcement Action Type:	Notice of Violation
Effective Date:	11/14/2006
Adoption/Issuance Date:	11/14/2006
Achieve Date:	Not reported
Termination Date:	11/14/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Notice of Violation R9-2006-0151 Town & Country Hotel CAO violation
Description:	Notice of Violation R9-2006-0151 Town & Country Hotel violation of CAO R9-2005-0279 Directive No. 1, failure to cleanup all waste.
Program:	CONSTW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	625561
Agency Name:	Not reported
Place Type:	All Other
Place Subtype:	Dredge/Fill Site
Facility Type:	Not reported
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported

TOWN & COUNTRY RESORT CONVENTION CENTER PARKING EXPANSION (Continued) **S103662271**

Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESSW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	318689
Region:	9
Order / Resolution Number:	R9-2006-0066
Enforcement Action Type:	Notice of Violation
Effective Date:	05/02/2006
Adoption/Issuance Date:	05/02/2006
Achieve Date:	Not reported
Termination Date:	05/02/2006
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Notice of Violation R9-2006-0066 Town and Country Hotel CAO violations
Description:	Notice of Violation R9-2006-0066 violation of CAO R9-2005-0279 Directive Nos. 1 and 4 by Town & Country Hotel, LLC, Atlas Hotels, Inc., C. Terry Brown, Robert Tyner, and American Asphalt & Concrete, Inc.
Program:	CONSTW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1

TOWN & COUNTRY RESORT CONVENTION CENTER PARKING EXPANSION (Continued) **S103662271**

Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	625561
Agency Name:	Not reported
Place Type:	All Other
Place Subtype:	Dredge/Fill Site
Facility Type:	Not reported
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESSW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported

TOWN & COUNTRY RESORT CONVENTION CENTER PARKING EXPANSION (Continued) **S103662271**

Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	318659
Region:	9
Order / Resolution Number:	R9-2005-0279
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/15/2005
Adoption/Issuance Date:	12/15/2005
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Cleanup and Abatement Order to Town and Country Hotel, LLC for parking lot expan
Description:	Cleanup and Abatement Order No. R9-2005-0279 to Town and Country Hotel, LLC for parking lot expansion project.
Program:	CONSTW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

---

85 **TOWN & COUNTRY RESORT HOTEL** **CA ENF** **S111213669**
500 HOTEL CIRCLE N. **N/A**
SAN DIEGO, CA 92108

ENF:

Region:	9
Facility Id:	264836
Agency Name:	Town & Country Resort Hotel
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	32.761183
Place Longitude:	-117.168701
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported

TOWN & COUNTRY RESORT HOTEL (Continued) **S111213669**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UNREGS
Program Category1:	UNREGS
Program Category2:	UNREGS
# Of Programs:	1
WDID:	9 000308N98
Reg Measure Id:	161761
Reg Measure Type:	Unregulated
Region:	9
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	220045
Region:	9
Order / Resolution Number:	R9-1998-0222
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	10/09/1998
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported

TOWN & COUNTRY RESORT HOTEL (Continued) **S111213669**

Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000308N98
Description:	UNK
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

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85 **TOWN & COUNTRY HOTEL** **CA SWEEPS UST** **S106933070**
500 N HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SWEEPS UST:

Status:	Active
Comp Number:	28998
Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-028998-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

---

85 **TOWN & COUNTRY HOTEL** **CA Cortese** **S106062837**
500 HOTEL CIR **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92108

CORTESE:

Region:	CORTESE
Envirostor Id:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	CORTESE

TOWN & COUNTRY HOTEL (Continued) **S106062837**

Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	128998
Business Type:	6HK41
EPA Id Number:	CAD981969447
APN:	437-260-27-00
Last HMMD Inspection:	07/29/2011
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	ATLAS HOTELS INC
Facility Address:	500 HOTEL CIRCLE N
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3005
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	7647-01-0
Name:	MURIATIC ADIC (HC1)
Other Information:	POOL CHEMICALS
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	REACTIVE

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ACETYLENE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	7727-37-9
Name:	NITROGEN, N2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

TOWN & COUNTRY HOTEL (Continued) **S106062837**

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	Not reported
Name:	N-SURF DETERGENT
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	CHRONIC
Hazardous Categories 2:	Not reported

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	WASTE FLAMMABLE SOLIDS, RAGS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN, O2; COMPRESSED GAS
Other Information:	GASSES, CUTTING TORCH
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 461 PAINT SLUDGE
Other Information:	PAINT THINNER, SLUDGE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 513 EMPTY CONTNR(LESS THAN 30 GAL)
Other Information:	WASTE AEROSOLS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	124-38-9
Name:	CARBON DIOXIDE, CO2, 99%, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	128998
Update Date:	11/02/2012
Case Number:	Not reported

TOWN & COUNTRY HOTEL (Continued) **S106062837**

Name: PROPANE GAS-CYLINDER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: R134 REFRIGERANT
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: SOUR RR
Other Information: LAUNDRY ADDITIVE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: PAINT BOOTH FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: HD SOFTEX
Other Information: LAUNDRY SOFTNER
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: LAUNDRY & EQUIPMENT
Material Waste: Waste

TOWN & COUNTRY HOTEL (Continued) **S106062837**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: BOOSTER PLUS ALKALINE
Other Information: 65% SODIUM HYDROXIDE
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: REACTIVE

Facility Id: 128998
Update Date: 11/02/2012
Case Number: MIXTURE
Name: PAINTS: MISC. WATER- BASED PAINTS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 128998
Update Date: 11/02/2012
Case Number: 7681-52-9
Name: SODIUM HYPOCHLORITE, 12.5%, POOL LIQUID CHLORINE BLEACH
Other Information: CHLORINE AND LAUNDRY DESTAINER
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBANT/ OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 128998
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 128998
Update Date: 11/02/2012
Inspection Date: 08/09/2007
Violation Code: 6HV1009
Violation: HMBP: INADEQUATE SITE MAP
Violation Citation: Business Plan does not have a site map which provides sufficient or complete information for emergency response agencies. HSC 25509(a)(5) & 25505(a)(2)

TOWN & COUNTRY HOTEL (Continued) **S106062837**

Activity:	ACTIVE
Facility Id:	128998
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	128998
Update Date:	11/02/2012
Inspection Date:	03/18/2003
Violation Code:	6HV0212
Violation:	INCOMPATIBLE WASTE NOT SEPARATED
Violation Citation:	Hazardous waste storage container is not adequately separated from nearby incompatible wastes or materials. CCR 66265.177
Activity:	ACTIVE
Facility Id:	128998
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV0147
Violation:	UW RECORDS NOT KEPT ONSITE FOR 3 YEARS
Violation Citation:	Failed to keep universal waste record for 3 years for offsite shipment. SQH:66273.19(b)&(c)(2); LQH:66273.39(b)&(c)(2)
Activity:	ACTIVE
Facility Id:	128998
Update Date:	11/02/2012
Inspection Date:	08/09/2007
Violation Code:	6HV4309
Violation:	SQG:MWMP OR EQUIV NOT ONSITE
Violation Citation:	Medical Waste Management Plan or equivalent information not onsite for review (SQG). 117945
Activity:	ACTIVE

---

85 **TOWN & COUNTRY RESORT HOT** **CA HIST CORTESE** **S104751873**
500 HOTEL **N/A**
SAN DEIGO, CA

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000308N98

85 **HOTEL CIRCLE SERVICE STATION** **EDR US Hist Auto Stat** **1008997429**
504 W HOTEL CIR **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: HOTEL CIRCLE SERVICE STATION
Year: 1966
Type: GASOLINE STATIONS

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86 **HENRY'S GARAGE** **CA LUST** **S100728824**
2821 ADAMS AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT336
Local Case: H12770-001
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 06/11/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/09/1986
Enforce Date: Not reported
Closed Date: 12/8/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 12770
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92

HENRY'S GARAGE (Continued) **S100728824**

Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12770
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012770-000001
Tank Status:	Not reported
Capacity:	260
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

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86 **EURO CAR SERVICE** **CA HIST CORTESE** **S104747486**
2821 ADAMS AV **CA LUST** **N/A**
SAN DIEGO, CA 92116 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT336

LUST:

Region:	STATE
Global Id:	T0607302121
Latitude:	32.762686
Longitude:	-117.13355
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	11/24/1986
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT336
LOC Case Number:	H12770-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

EURO CAR SERVICE (Continued) **S104747486**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607302121
Contact Type:	Local Agency Caseworker
Contact Name:	KEVIN HEATON
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	kevin.heaton@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607302121
Status:	Open - Case Begin Date
Status Date:	06/13/1986

Global Id:	T0607302121
Status:	Completed - Case Closed
Status Date:	11/24/1986

Regulatory Activities:

Global Id:	T0607302121
Action Type:	Other
Date:	06/13/1986
Action:	Leak Began

Global Id:	T0607302121
Action Type:	Other
Date:	06/13/1986
Action:	Leak Discovery

Global Id:	T0607302121
Action Type:	Other
Date:	06/13/1986
Action:	Leak Reported

SAN DIEGO CO. HMMD:

Facility Id:	112770
Business Type:	6HK26
EPA Id Number:	CAL000025248
APN:	445-092-01-00
Last HMMD Inspection:	04/17/2000
Permit Status:	INAC
Permit Expiration:	04/17/2000
Facility Owner:	DAN MEIS
Facility Address:	2821 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116-1402
UST Owner:	HENRY'S GARAGE
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

EURO CAR SERVICE (Continued) **S104747486**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 112770 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 112770
Tank Type: SINGLE WALL
Additional Id: AT0262-1
Capacity Gallons: 260
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1987-01-12 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Facility Id: 209460
Business Type: 6HK26
EPA Id Number: CAL000336036
APN: 445-092-01-00
Last HMMD Inspection: 01/05/2010
Permit Status: OPEN
Permit Expiration: 01/31/2013
Facility Owner: SAYED HABIBULLAH
Facility Address: 2821 ADAMS AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92116
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:
Facility Id: 209460
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209460
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 213 HYDROCARBON SOLVENTS
Other Information: PARTS WASHER

EURO CAR SERVICE (Continued) **S104747486**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209460
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209460
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209460
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 209460
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 209460
Update Date: 11/02/2012
Inspection Date: 01/05/2010
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Facility Id: 209460
Update Date: 11/02/2012
Inspection Date: 01/05/2010
Violation Code: 6HV1001
Violation: NO UPF PERMIT FOR HAZMATS
Violation Citation: A Unified Program Facility permit has not been obtained for hazardous materials. 68.905

EURO CAR SERVICE (Continued) **S104747486**

Activity:	ACTIVE
Facility Id:	209460
Update Date:	11/02/2012
Inspection Date:	01/05/2010
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	209460
Update Date:	11/02/2012
Inspection Date:	01/05/2010
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE
Facility Id:	209460
Update Date:	11/02/2012
Inspection Date:	01/05/2010
Violation Code:	6HV0224
Violation:	MISMANAGED EMPTY CONTAINERS >5GALS.
Violation Citation:	Failed to mark date on empty container larger than 5 gallons and/or manage it within one year. 66261.7(e) & (f).
Activity:	ACTIVE
Facility Id:	137300
Business Type:	6HK18
EPA Id Number:	CAL000145459
APN:	445-092-01-00
Last HMMD Inspection:	07/27/1998
Permit Status:	INAC
Permit Expiration:	07/27/1998
Facility Owner:	CURTIS L. YENAWINE
Facility Address:	2821 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H12770-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	11/24/1986

EURO CAR SERVICE (Continued) **S104747486**

Date Began: 6/13/1986

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87 **FAIRMOUNT AV & ALDINE DRIVE** **CA Notify 65** **S100178047**
N/A

SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

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88 **NYSCO MOTORS** **CA HIST CORTESE** **S104747225**
2101 MAIN ST **CA LUST** **N/A**
SANTA ANA, CA 92707 **CA SAN DIEGO CO. SAM**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT66

LUST REG 8:

Region:	8
County:	Orange
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083002049T
Local Case Num:	Not reported
Case Type:	Aquifer affected
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Cross Street:	ST. GERTRUDE
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Tank
Global ID:	T0605901525
How Stopped Date:	3/13/1991
Enter Date:	6/23/1992
Date Confirmation of Leak Began:	3/13/1991
Date Preliminary Assessment Began:	Not reported
Discover Date:	3/13/1991
Enforcement Date:	Not reported
Close Date:	7/17/1997
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	9/3/1991
Date Post Remedial Action Monitoring:	Not reported

NYSCO MOTORS (Continued) **S104747225**

Enter Date:	6/23/1992
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.71955924
Longitude:	-117.8676025
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	JB
Lead Agency:	Regional Board
Local Agency:	Santa Ana, Orange County
Hydr Basin #:	COASTAL PLAIN OF ORA
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: WASTE OIL ALSO. CONTAMINATED SOIL EXCAVATED AND TREATED. 5/24/96 - REQUESTED GW MONITORING WELL.

SAN DIEGO CO. SAM:

Case Number:	H12203-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**POP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	4/8/2005
Date Began:	10/22/1986

---

88 **JOSEPH H. GIESEN** **CA LUST** **S111760424**
2101 ADAMS AV **N/A**
SAN DIEGO, CA 92116

LUST:

Region:	STATE
Global Id:	T0607302929
Latitude:	32.762617
Longitude:	-117.142199
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/08/2005
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT66
LOC Case Number:	H12203-001
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline

JOSEPH H. GIESEN (Continued) **S111760424**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302929
Status: Completed - Case Closed
Status Date: 04/08/2005

Global Id: T0607302929
Status: Open - Case Begin Date
Status Date: 10/21/1986

Regulatory Activities:
Global Id: T0607302929
Action Type: Other
Date: 10/22/1986
Action: Leak Began

Global Id: T0607302929
Action Type: Other
Date: 10/22/1986
Action: Leak Discovery

Global Id: T0607302929
Action Type: Other
Date: 10/02/1991
Action: Leak Stopped

Global Id: T0607302929
Action Type: ENFORCEMENT
Date: 10/22/1986
Action: Notice of Responsibility

Global Id: T0607302929
Action Type: Other
Date: 10/21/1986
Action: Leak Reported

---

88 **BOBS SERVICE CENTER** **CA HIST UST** **U001573048**
2101 ADAMS AVE **N/A**
SAN DIEGO, CA 92116

HIST UST:
Region: STATE
Facility ID: 00000051271
Facility Type: Gas Station
Other Type: Not reported
Contact Name: ROBERT UNDERWOOD
Telephone: 6192966812
Owner Name: BOBS SERVICE CENTER
Owner Address: 2101 ADAMS AVE
Owner City,St,Zip: SAN DIEGO, CA 92116
Total Tanks: 0004

Tank Num: 001
Container Num: 1

BOBS SERVICE CENTER (Continued) **U001573048**

Year Installed:	Not reported
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000250
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test
Tank Num:	004
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

---

88 **WOODCOCK IRA** **EDR US Hist Auto Stat** **1008997245**
2101 ADAMS AVE **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	PANORAMA SERVICE STATION
Year:	1927
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	WOODCOCK IRA
Year:	1943
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	SPERRY BROS AUTOMOTIVE SERVICE
Year:	1966
Type:	AUTOMOBILE REPAIRING
Name:	SPERRY EROS AUTOMOTIVE SERVICE
Year:	1970
Type:	AUTOMOBILE REPAIRING
Name:	BOB S SERVICE CENTER
Year:	1975
Type:	AUTOMOBILE REPAIRING

WOODCOCK IRA (Continued) **1008997245**

Name: BOB S SERVICE CENTER
Year: 1980
Type: A T S AUTOMATIC

---

88 **JOSEPH H. GIESEN** **CA LUST** **S100232674**
2101 ADAMS AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT66
Local Case: H12203-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 10/21/1986
Date Stopped: 10/10/1991
Confirm Date: 10/22/1991
Submit Workplan: Not reported
Prelim Assess: 12/17/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/22/1986
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 139’
Beneficial Use: NBNAB
NPDES Number: Not reported
Priority: 1C
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 12203
Number: 9
Board Of Equalization: 44-022530
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported

JOSEPH H. GIESEN (Continued) **S100232674**

Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12203
Number:	Not reported
Board Of Equalization:	44-022530
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012203-000001
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	5

Status:	Not reported
Comp Number:	12203
Number:	Not reported
Board Of Equalization:	44-022530
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012203-000002
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12203
Number:	Not reported
Board Of Equalization:	44-022530
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012203-000003
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED

JOSEPH H. GIESEN (Continued) **S100232674**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12203
Number: Not reported
Board Of Equalization: 44-022530
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012203-000004
Tank Status: Not reported
Capacity: 250
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 12203
Number: Not reported
Board Of Equalization: 44-022530
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012203-000005
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

---

88 **EDR US Hist Cleaners** **1015017980**
2127 ADAMS AVE **N/A**
SAN DIEGO, CA 92116

EDR Historical Cleaners:
Name: PACIFIC PLAZA CLEANERS
Year: 2005
Address: 2127 ADAMS AVE

---

89 **RAD STATION L-6 MIS BCH** **CA ENVIROSTOR** **S107737119**
N/A

SAN DIEGO, CA

ENVIROSTOR:
Facility ID: 80000424
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS

RAD STATION L-6 MIS BCH (Continued) **S107737119**

Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	32.7625
Longitude:	-117.2166
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F557000
Alias Type:	Federal Facility ID
Alias Name:	J09CA0560
Alias Type:	INPR
Alias Name:	80000424
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

---

90 **MASTER CLEANERS** **EDR US Hist Cleaners** **1009128647**
4620 PARK BLVD **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name:	MASTER CLEANERS
Year:	1966
Type:	CLEANERS AND DYERS

90 **NORFOLK MOTORS** **EDR US Hist Auto Stat** **1008996713**
4636 PARK BLVD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	WEBB S GARAGE
Year:	1952
Type:	AUTOMOBILE REPAIRING
Name:	PARK BOULEVARD AUTO SERVICE
Year:	1961
Type:	AUTOMOBILE REPAIRING
Name:	NORFOLK MOTORS
Year:	1970
Type:	AUTOMOBILE REPAIRING
Name:	PARK BOULEVARD AUTO SERVICE
Year:	1970
Type:	AUTOMOBILE REPAIRING
Name:	NORFOLK MOTORS
Year:	1975
Type:	AUTOMOBILE REPAIRING
Name:	NORFOLK MOTORS
Year:	1980
Type:	A T S AUTOMATIC
Name:	NORFOLK MOTORS
Year:	1984
Type:	A T S AUTOMATIC

---

90 **EDR US Hist Auto Stat** **1015508336**
4642 PARK BLVD **N/A**
SAN DIEGO, CA 92116

EDR Historical Auto Stations:

Name:	PARK BLVD AUTO BODY
Year:	1999
Address:	4642 PARK BLVD
Name:	PARK BLVD AUTO BODY
Year:	2000
Address:	4642 PARK BLVD
Name:	PARK BLVD AUTO BODY
Year:	2004
Address:	4642 PARK BLVD
Name:	PARK BLVD AUTO BODY
Year:	2006
Address:	4642 PARK BLVD
Name:	PARK BLVD AUTO BODY
Year:	2007
Address:	4642 PARK BLVD
Name:	PARK BLVD AUTO BODY
Year:	2008

(Continued) **1015508336**

Address: 4642 PARK BLVD

Name: PARK BLVD AUTO BODY
Year: 2009
Address: 4642 PARK BLVD

Name: PARK BOULEVARD AUTO BODY
Year: 2010
Address: 4642 PARK BLVD

---

90 **KINIKIN M N L** **EDR US Hist Cleaners** **1009128544**
4644 PARK BLVD **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:
Name: KINIKIN M N L
Year: 1948
Type: LAUNDRIES-SELF SERVICE

Name: PARK DRY CLEANERS
Year: 1961
Type: CLEANERS AND DYERS

---

90 **EDR US Hist Auto Stat** **1015509050**
4664 PARK BLVD **N/A**
SAN DIEGO, CA 92116

EDR Historical Auto Stations:
Name: SAN DIEGO SMOG & AUTO REPAIR CENTER THE
Year: 1999
Address: 4664 PARK BLVD

Name: SAN DIEGO SMOG & AUTO REPAIR CENTER THE
Year: 2000
Address: 4664 PARK BLVD

Name: SD SMOG & AUTO REPAIR CENTER
Year: 2005
Address: 4664 PARK BLVD

Name: SAN DIEGO SMOG & AUTO REPAIR
Year: 2006
Address: 4664 PARK BLVD

Name: SAN DIEGO SMOG & AUTO REPAIR
Year: 2008
Address: 4664 PARK BLVD

Name: SAN DIEGO SMOG & AUTO REPAIR
Year: 2010
Address: 4664 PARK BLVD

Name: SAN DIEGO SMOG & AUTO REPAIR CENTER
Year: 2011
Address: 4664 PARK BLVD

(Continued) **1015509050**

Name: SAN DIEGO SMOG & AUTO REPAIR CENTER
Year: 2012
Address: 4664 PARK BLVD

---

90 **RUDI LUSTI INC.** **CA HIST CORTESE** **S104747718**
4664 PARK **N/A**
SAN DIEGO, CA 92116

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1074

---

90 **OFNER FOREIGN CAR SERVICE** **EDR US Hist Auto Stat** **1008998270**
4664 PARK BLVD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: OFNER FOREIGN CAR SERVICE
Year: 1966
Type: AUTOMOBILE REPAIRING

Name: LUSTI RUODI FOREIGN CAR SERVICE
Year: 1970
Type: AUTOMOBILE REPAIRING

Name: LUSTI RUDI FOREIGN CAR SERVICE
Year: 1975
Type: AUTOMOBILE REPAIRING

Name: LUSTI RUDI FOREIGN CAR SERVICE
Year: 1980
Type: A T S AUTOMATIC

Name: LUSTI RUDI FOREIGN CAR SERVICE
Year: 1984
Type: A T S AUTOMATIC

---

90 **SAN DIEGO SMOG & AUTO REPAIR** **CA LUST** **S105693413**
4664 PARK BL **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92116

LUST:
Region: STATE
Global Id: T0607300085
Latitude: 32.7621432
Longitude: -117.1465533
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/28/1989
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1074

SAN DIEGO SMOG & AUTO REPAIR (Continued) **S105693413**

LOC Case Number: H13232-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300085
Status: Open - Case Begin Date
Status Date: 08/30/1988

Global Id: T0607300085
Status: Completed - Case Closed
Status Date: 04/28/1989

Regulatory Activities:
Global Id: T0607300085
Action Type: Other
Date: 08/30/1988
Action: Leak Began

Global Id: T0607300085
Action Type: Other
Date: 08/30/1988
Action: Leak Discovery

Global Id: T0607300085
Action Type: Other
Date: 08/30/1988
Action: Leak Stopped

Global Id: T0607300085
Action Type: Other
Date: 08/30/1988
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H13232-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 4/28/1989
Date Began: 8/30/1988

90 **RUDI LUSTI INC.** **CA LUST** **S100729130**
4664 PARK BLVD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1074
Local Case:	H13232-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Overfill
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	08/23/1988
Date Stopped:	08/23/1988
Confirm Date:	08/30/1988
Submit Workplan:	Not reported
Prelim Assess:	08/31/1988
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	08/31/1988
Enforce Date:	Not reported
Closed Date:	4/26/89
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	13232
Number:	9
Board Of Equalization:	44-022735
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported

RUDI LUSTI INC. (Continued) **S100729130**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13232
Number: Not reported
Board Of Equalization: 44-022735
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013232-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

---

90 **KLINGAMAN D R** **EDR US Hist Cleaners** **1009129132**
4675 PARK BLVD **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name: KLINGAMAN D R
Year: 1948
Type: CLOTHES PRESSERS AND CLEANERS

Name: PARK & UNIVERSITY CLEANERS
Year: 1952
Type: CLEANERS AND DYERS

Name: PARK & ADAMS CLEANERS
Year: 1952
Type: CLEANERS AND DYERS

---

90 **CLIFF CLEANERS** **EDR US Hist Cleaners** **1009124069**
1809 ADAMS AVE **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:

Name: CLIFF CLEANERS
Year: 1927
Type: CLOTHES CLEANERS PRESSERS AND REPAIRERS

Name: WEIGEL G C
Year: 1930
Type: CLOTHES PRESSERS AND CLEANERS

Name: WEIGEL G C
Year: 1933
Type: CLOTHES PRESSERS AND CLEANERS

90 **PEREZ BOX CO AT0118** **CA HIST CORTESE** **S104749765**
1924 ADAMS AV **CA SLIC** **N/A**
SAN DIEGO, CA 92116 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT352

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/23/1987
Global Id:	T0607302288
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21234-001
Latitude:	32.7626102
Longitude:	-117.1448602
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT352
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	121234
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	438-111-14-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	PEREZ BOX CO
Facility Address:	1924 ADAMS AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116-1209
UST Owner:	PEREZ BOX CO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121234 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121234
Tank Type:	SINGLE WALL
Additional Id:	AT0118-1
Capacity Gallons:	1000

PEREZ BOX CO AT0118 (Continued) **S104749765**

UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121234 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121234
Tank Type:	SINGLE WALL
Additional Id:	AT0118-2
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121234 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121234
Tank Type:	SINGLE WALL
Additional Id:	AT0118-3
Capacity Gallons:	550
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	1973-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H21234-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/23/1987
Date Began:	1/27/1986

90 **SAN DIEGO PAPER BOX CO (VACANT)** **CA LUST** **S104494679**
1924 ADAMS AVE **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT352
Local Case:	H21234-001
Substance:	0
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	01/24/1986
Date Stopped:	01/24/1986
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/24/1986
Enforce Date:	Not reported
Closed Date:	1/23/87
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.20
GW Depth:	Not reported
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	21234
Number:	9
Board Of Equalization:	44-023495
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported

SAN DIEGO PAPER BOX CO (VACANT) (Continued) **S104494679**

Number Of Tanks: Not reported

Status: Not reported
Comp Number: 21234
Number: Not reported
Board Of Equalization: 44-023495
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021234-000001
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: 3

Status: Not reported
Comp Number: 21234
Number: Not reported
Board Of Equalization: 44-023495
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021234-000002
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: OTHER
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 21234
Number: Not reported
Board Of Equalization: 44-023495
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021234-000003
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

91 **NORMAL HEIGHTS ES** **CA SCH** **S107736909**
MOUNTAIN VIEW DRIVE/EDNA PLACE **CA ENVIROSTOR** **N/A**
SAN DIEGO, CA 92116

SCH:

Facility ID:	37650011
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	10
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Yolanda Garza
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404325
Assembly:	78
Senate:	39
Special Program Status:	Not reported
Status:	Certified
Status Date:	07/08/2005
Restricted Use:	NO
Funding:	School District
Latitude:	32.76220
Longitude:	-117.1120
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ADAMS/FRANKLIN PREFERRED SCHOOL
Alias Type:	Alternate Name
Alias Name:	SAN DIEGO UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	SAN DIEGO USD-NORMAL HGHTS ELEM SCHOOL
Alias Type:	Alternate Name
Alias Name:	110033611875
Alias Type:	EPA (FRS #)
Alias Name:	404325
Alias Type:	Project Code (Site Code)
Alias Name:	37650011
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/06/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	04/04/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

NORMAL HEIGHTS ES (Continued) **S107736909**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/17/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/07/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/06/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/08/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 37650011
Status: Certified
Status Date: 07/08/2005
Site Code: 404325
Site Type: School Cleanup
Site Type Detailed: School
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 32.76220
Longitude: -117.1120
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA

NORMAL HEIGHTS ES (Continued) **S107736909**

Potential COC: Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: ADAMS/FRANKLIN PREFERRED SCHOOL
Alias Type: Alternate Name
Alias Name: SAN DIEGO UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: SAN DIEGO USD-NORMAL HGHTS ELEM SCHOOL
Alias Type: Alternate Name
Alias Name: 110033611875
Alias Type: EPA (FRS #)
Alias Name: 404325
Alias Type: Project Code (Site Code)
Alias Name: 37650011
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/06/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/04/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/17/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/07/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/06/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 07/08/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported

NORMAL HEIGHTS ES (Continued) **S107736909**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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92 **CA Notify 65** **S100178159**

4644 VISTA ST. **N/A**
SAN DIEGO, CA 92116

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92116-4847

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93 **MAXIM/NSA** **CA San Diego Co. HMMD** **S106068197**

409 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 153211
Business Type: 6HK10
EPA Id Number: Not reported
APN: 444-120-19-00
Last HMMD Inspection: 09/27/1995
Permit Status: INAC
Permit Expiration: 08/31/1996
Facility Owner: MAXIM/NSI
Facility Address: 409 CAMINO DEL RIO S 101A
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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93 **FIRSTAT NURSING SERVICES INC.** **CA San Diego Co. HMMD** **S106067360**

411 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 151882
Business Type: 6HK10
EPA Id Number: Not reported
APN: 444-120-17-00
Last HMMD Inspection: 05/04/2012
Permit Status: OPEN
Permit Expiration: 05/31/2013
Facility Owner: FIRSTAT NURSING SERVICES INC.

FIRSTAT NURSING SERVICES INC. (Continued) **S106067360**

Facility Address:	411 CAMINO DEL RIO S #100
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-3508
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	151882
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	151882
Update Date:	11/02/2012
Inspection Date:	07/24/2008
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE

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93 **STAT MEDICAL SERVICE** **CA San Diego Co. HMMD** **S106068520**
404 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	153679
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	444-120-17-00
Last HMMD Inspection:	01/15/1998
Permit Status:	INAC
Permit Expiration:	01/15/1998
Facility Owner:	IMELDA & KALDEEP BRAR
Facility Address:	404 CAMINO DEL RIO S. #607
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

93 **HEALTH FORCE** **CA San Diego Co. HMMD** **S106068984**
438 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154321
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	444-120-17-00
Last HMMD Inspection:	09/01/1998
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	LLOYD ENKE
Facility Address:	438 CAMINO DEL RIO S #101
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	203354
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	444-120-17-00
Last HMMD Inspection:	03/06/2006
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	ASHLEY HERFINDAHL
Facility Address:	438 CAMINO DEL RIO SOUTH #120
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	203354
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	HAULER: RMXC
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	203354
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	444-120-17-00

HEALTH FORCE (Continued) **S106068984**

Last HMMD Inspection:	03/06/2006
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	ASHLEY HERFINDAHL
Facility Address:	438 CAMINO DEL RIO SOUTH #120
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	203354
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 171 METAL SLUDGE
Other Information:	HAULER: RMXC
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

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93 **HOMEWOOD SUITE** **CA NPDES** **S116497691**
445 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	436638
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C369285
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/28/2014
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	M7 DEV LLC
Discharge Address:	620 Newport Center Drive
Discharge City:	Newport Beach
Discharge State:	California
Discharge Zip:	92660
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported

HOMEWOOD SUITE (Continued) **S116497691**

FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	436638
Order No:	Not reported
Regulatory Measure Type:	Construction

HOMEWOOD SUITE (Continued) **S116497691**

Place Id:	Not reported
WDID:	9 37C369285
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	03/25/2014
PROCESSED DATE:	03/28/2014
STATUS CODE NAME:	Active
STATUS DATE:	03/28/2014
PLACE SIZE:	1.41
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Rashik Patel
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	949-610-8036
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	rashik@t2dev.com
OPERATOR NAME:	M7 DEV LLC
OPERATOR ADDRESS:	620 Newport Center Drive
OPERATOR CITY:	Newport Beach
OPERATOR STATE:	California
OPERATOR ZIP:	92660
OPERATOR CONTACT NAME:	Rashik Patel
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	949-610-8036
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	rashik@t2dev.com
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	M7 DEV LLC
DEVELOPER ADDRESS:	620 Newport Center Drive
DEVELOPER CITY:	Newport Beach
DEVELOPER STATE:	California
DEVELOPER ZIP:	92660
DEVELOPER CONTACT NAME:	Rashik Patel
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N

HOMEWOOD SUITE (Continued) **S116497691**

CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Rashik Patel
CERTIFIER TITLE:	Vice President
CERTIFICATION DATE:	25-MAR-14
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

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93 **VITAL CARE HEALTH SYSTEMS** **CA San Diego Co. HMMD** **S106072353**
444 CAM DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	215847
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	444-120-13-00
Last HMMD Inspection:	03/23/2012
Permit Status:	OPEN
Permit Expiration:	07/31/2013
Facility Owner:	LEILANI FERRER
Facility Address:	444 CAMINO DEL RIO SOUTH #219
Facility City:	San Diego
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

Inactive Permits:

Facility Id:	215847
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	202421
Business Type:	6HK15
EPA Id Number:	Not reported
APN:	444-120-13-00
Last HMMD Inspection:	02/17/2006
Permit Status:	INAC
Permit Expiration:	11/30/2006
Facility Owner:	ALAN M BLUM, D C
Facility Address:	444 CAMINO DEL RIO SOUTH #102
Facility City:	SNA DIEGO

VITAL CARE HEALTH SYSTEMS (Continued) **S106072353**

Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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93 **CROSS RD PHASE 1** **CA NPDES** **S117698383**
480 CAMINO DEL RIO SOUTH **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	344773
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C351794
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/30/2010
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	05/12/2008
STATUS CODE NAME:	Terminated
STATUS DATE:	07/08/2010
PLACE SIZE:	2.5
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Kathleen Neslon
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-293-3013
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	United Hansel INC
OPERATOR ADDRESS:	444 Camino Del Rio S STE 101
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92108
OPERATOR CONTACT NAME:	Kathleen Nelson
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	916-293-3013
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	United Hansel INC
DEVELOPER ADDRESS:	444 Camino Del Rio S STE 101

CROSS RD PHASE 1 (Continued) **S117698383**

DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92108
DEVELOPER CONTACT NAME:	Kathleen Nelson
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

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93 **IN CAREHEALTH SERVICES** **CA San Diego Co. HMMD** **S106070498**
480 CAMINO DEL RIO **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	200363
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	DEH-154092
Last HMMD Inspection:	07/23/2002
Permit Status:	INAC
Permit Expiration:	10/31/2002
Facility Owner:	MEDFORCE, INC.
Facility Address:	480 CAMINO DEL RIO S, #140
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

93 **OLSTEN HEALTH SERVICES** **CA San Diego Co. HMMD** **S106068837**
480 CAMINO DEL RIO S **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	154092
Business Type:	6HK10
EPA Id Number:	Not reported
APN:	444-120-04-00
Last HMMD Inspection:	08/19/1997
Permit Status:	INAC
Permit Expiration:	08/19/1997
Facility Owner:	OLSTEN HEALTH SERVICES
Facility Address:	480 S CAMINO DEL RIO 206
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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94 **5-STAR MOBIL AUTO REPAIR** **CA HIST CORTESE** **S103660853**
4616 TEXAS ST **CA LUST** **N/A**
SAM DIEGO, CA 92116 **CA San Diego Co. HMMD**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3550

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT861

LUST:

Region:	STATE
Global Id:	T0607303106
Latitude:	32.76124
Longitude:	-117.139163
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/05/1990
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT861
LOC Case Number:	H13128-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

5-STAR MOBIL AUTO REPAIR (Continued) **S103660853**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607303106
Status:	Open - Case Begin Date
Status Date:	12/21/1987

Global Id:	T0607303106
Status:	Completed - Case Closed
Status Date:	10/05/1990

Regulatory Activities:

Global Id:	T0607303106
Action Type:	Other
Date:	12/21/1987
Action:	Leak Began

Global Id:	T0607303106
Action Type:	Other
Date:	12/21/1987
Action:	Leak Discovery

Global Id:	T0607303106
Action Type:	Other
Date:	12/21/1987
Action:	Leak Stopped

Global Id:	T0607303106
Action Type:	ENFORCEMENT
Date:	12/21/1987
Action:	Notice of Responsibility

Global Id:	T0607303106
Action Type:	Other
Date:	12/21/1987
Action:	Leak Reported

Region:	STATE
Global Id:	T0607302319
Latitude:	32.76124
Longitude:	-117.139163
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/04/2002
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3550
LOC Case Number:	H13128-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

5-STAR MOBIL AUTO REPAIR (Continued) **S103660853**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302319
Status:	Completed - Case Closed
Status Date:	09/04/2002
Global Id:	T0607302319
Status:	Open - Case Begin Date
Status Date:	09/26/1997

Regulatory Activities:

Global Id:	T0607302319
Action Type:	Other
Date:	09/26/1997
Action:	Leak Began
Global Id:	T0607302319
Action Type:	Other
Date:	09/26/1997
Action:	Leak Discovery
Global Id:	T0607302319
Action Type:	Other
Date:	09/26/1997
Action:	Leak Reported

SAN DIEGO CO. HMMD:

Facility Id:	136764
Business Type:	6HK26
EPA Id Number:	CAL000128726
APN:	445-072-08-00
Last HMMD Inspection:	03/17/1997
Permit Status:	INAC
Permit Expiration:	03/17/1997
Facility Owner:	TONY THOMAS
Facility Address:	3655 TORRANCE BL #322
Facility City:	TORRANCE
Facility State:	CA
Facility Zip:	90503-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

94 **ULTRAMAR / TEXAS ST** **CA LUST** **S103296828**
4616 TEXAS ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116 **CA CHMIRS**
CA EMI

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3550
Local Case:	H13128-002
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	09/26/1997
Date Stopped:	09/26/1997
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	10/01/1997
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/26/1997
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	13’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	13128
Number:	9
Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013128-000001
Tank Status:	A
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P

ULTRAMAR / TEXAS ST (Continued) **S103296828**

Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 13128
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013128-000002
Tank Status: A
Capacity: 8000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13128
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013128-000003
Tank Status: A
Capacity: 6000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13128
Number: 9
Board Of Equalization: 44-000400
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-013128-000005
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 13128
Number: Not reported

ULTRAMAR / TEXAS ST (Continued) **S103296828**

Board Of Equalization:	44-000400
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013128-000004
Tank Status:	Not reported
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

CHMIRS:

OES Incident Number:	97-3907
OES notification:	10/02/1997
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	NO
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	TANKNOLOGY

ULTRAMAR / TEXAS ST (Continued) **S103296828**

Incident Date:	10/2/199712:00:00 AM
Admin Agency:	San Diego County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	GASOLINE
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	TANKS REMOVED AND HYDROCARBONS DETECTED.

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

ULTRAMAR / TEXAS ST (Continued) **S103296828**

SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.36
Reactive Organic Gases Tons/Yr:	3.36
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2005
County Code:	37

ULTRAMAR / TEXAS ST (Continued) **S103296828**

Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.36
Reactive Organic Gases Tons/Yr:	3.36
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.44
Reactive Organic Gases Tons/Yr:	1.44
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.44
Reactive Organic Gases Tons/Yr:	1.44
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

ULTRAMAR / TEXAS ST (Continued) **S103296828**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.44
Reactive Organic Gases Tons/Yr:	1.44
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4399999999999999
Reactive Organic Gases Tons/Yr:	1.4399999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.4399999999999999
Reactive Organic Gases Tons/Yr:	1.4399999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2011
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.44
Reactive Organic Gases Tons/Yr:	1.44
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

ULTRAMAR / TEXAS ST (Continued) **S103296828**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	4238
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.44
Reactive Organic Gases Tons/Yr:	1.44
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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94 **TEXAS STREET ULTRAMAR** **CA UST** **U003789421**
4616 TEXAS ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92116 **CA SAN DIEGO CO. SAM**

UST:

Facility ID:	H13128
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.7626542
Longitude:	-117.1377865

SAN DIEGO CO. HMMD:

Facility Id:	113128
Business Type:	6HK28
EPA Id Number:	CAL000126526
APN:	445-072-08-00
Last HMMD Inspection:	07/21/2003
Permit Status:	CHNG
Permit Expiration:	02/29/2004
Facility Owner:	DVS MANAGEMENT CORP.
Facility Address:	4616 TEXAS ST 18-F
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92116-
UST Owner:	TEXAS STREET ULTRAMAR
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 113128 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	10000

TEXAS STREET ULTRAMAR (Continued) **U003789421**

UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-09-26 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113128 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	SINGLE WALL
Additional Id:	2 UNLEADED
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-09-26 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113128 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	6000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1997-09-26 00:00:00
Year Installed:	1984-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	99
UST Monitor Method:	OTHER - BLIND REMARK REQUIRED

UST Name:	UNDERGROUND TANK 113128 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1987-12-18 00:00:00
Year Installed:	1968-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR

TEXAS STREET ULTRAMAR (Continued) **U003789421**

WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 113128 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	DOUBLE WALL
Additional Id:	5
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1997-09-26 00:00:00
Year Installed:	1987-01-01 00:00:00
Pipe Type:	LINED TRENCH
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 113128 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	DOUBLE WALL
Additional Id:	NT1980 ; RT2272
Capacity Gallons:	15000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL

UST Name:	UNDERGROUND TANK 113128 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	DOUBLE WALL
Additional Id:	NT1980 ;RT2272
Capacity Gallons:	12000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	SUPER UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL

UST Name:	UNDERGROUND TANK 113128 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	113128
Tank Type:	DOUBLE WALL

TEXAS STREET ULTRAMAR (Continued) **U003789421**

Additional Id:	NT1980; RT2272
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1997-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL

SAN DIEGO CO. SAM:

Case Number:	H13128-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	9/4/2002
Date Began:	9/26/1997

Case Number:	H13128-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/5/1990
Date Began:	12/21/1987

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94 **MOBIL SERVICE STATION** **CA LUST** **S102433756**
4616 TEXAS ST **N/A**
SAN DIEGO, CA 92116

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT861
Local Case:	H13128-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	12/18/1987
Date Stopped:	12/18/1987
Confirm Date:	12/21/1987
Submit Workplan:	Not reported
Prelim Assess:	12/21/1987
Desc Pollution:	Not reported

MOBIL SERVICE STATION (Continued) **S102433756**

Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/21/1987
Enforce Date: 12/21/87
Closed Date: 10/5/90
Enforce Type: SEL
Pilot Program: LOP
Basin Number: Not reported
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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95 **VCA EMERG ANIMAL HOSP REF CTR** **CA San Diego Co. HMMD** **S106064397**
2317 S HOTEL CR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 134908
Business Type: 6HK58
EPA Id Number: CAL000288352
APN: 442-520-07-00
Last HMMD Inspection: 06/24/2011
Permit Status: OPEN
Permit Expiration: 10/31/2013
Facility Owner: VCA ANIMAL HOSPITALS INC
Facility Address: 12401 W OLYMPIC BL
Facility City: LOS ANGELES
Facility State: CA
Facility Zip: 90064
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Y

Active Permits:
Facility Id: 134908
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 134908
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: TRACE CHEMO WASTE

VCA EMERG ANIMAL HOSP REF CTR (Continued) **S106064397**

Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	134908
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	PHARMACEUTICAL WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	134908
Update Date:	11/02/2012
Case Number:	MIXTURE
Name:	OXYGEN 99%, O2, COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	134908
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	RED BAG
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	134908
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	BULK CHEMO WASTE/RCRA
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	134908
Business Type:	6HK58
EPA Id Number:	CAL000288352
APN:	442-520-07-00
Last HMMD Inspection:	06/24/2011
Permit Status:	OPEN
Permit Expiration:	10/31/2013
Facility Owner:	VCA ANIMAL HOSPITALS INC
Facility Address:	12401 W OLYMPIC BL
Facility City:	LOS ANGELES
Facility State:	CA
Facility Zip:	90064
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported

VCA EMERG ANIMAL HOSP REF CTR (Continued) **S106064397**

Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 134908
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 134908
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: TRACE CHEMO WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 134908
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: PHARMACEUTICAL WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 134908
Update Date: 11/02/2012
Case Number: MIXTURE
Name: OXYGEN 99%, O2, COMPRESSED GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 134908
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: RED BAG
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 134908
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: BULK CHEMO WASTE/RCRA
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

95 **VCA EMERGENCY ANIMAL HOSPITAL & REFERRAL CTR** **CA HAZNET** **S113134763**
2317 HOTEL CIR S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113134763
Year:	2013
GEPAID:	CAL000288352
Contact:	Sommer Nelson
Telephone:	3105716500
Mailing Name:	Not reported
Mailing Address:	12401 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900641022
Gen County:	San Diego
TSD EPA ID:	UTD981552177
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0145
Facility County:	Not reported

envid:	S113134763
Year:	2013
GEPAID:	CAL000288352
Contact:	Sommer Nelson
Telephone:	3105716500
Mailing Name:	Not reported
Mailing Address:	12401 W OLYMPIC BLVD
Mailing City,St,Zip:	LOS ANGELES, CA 900641022
Gen County:	San Diego
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Not reported
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.073
Facility County:	Not reported

envid:	S113134763
Year:	2011
GEPAID:	CAL000288352
Contact:	DANNIELLE REYNOLDS, RVT
Telephone:	6192992400
Mailing Name:	Not reported
Mailing Address:	2317 HOTEL CIR S
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	UTD981552177
TSD County:	Not reported
Waste Category:	Laboratory waste chemicals
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.014
Facility County:	San Diego

envid:	S113134763
Year:	2009
GEPAID:	CAL000288352
Contact:	KELLY THOMPSON
Telephone:	6192992400

VCA EMERGENCY ANIMAL HOSPITAL & REFERRAL CTR (Continued) **S113134763**

Mailing Name: Not reported
Mailing Address: 2317 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: TXD069452340
TSD County: Not reported
Waste Category: Off-specification, aged or surplus organics
Disposal Method: Not reported
Tons: 0.0165
Facility County: San Diego

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95 **EMERGENCY ANIMAL CLINIC OF SD** **CA HAZNET** **S113165050**
2317 HOTEL CIRCLE S **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid: S113165050
Year: 2009
GEPAID: CAL920605121
Contact: CANX VQ96 CASEY BADGER_____AH
Telephone: 6192992400
Mailing Name: Not reported
Mailing Address: 2317 HOTEL CIRCLE S
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0065
Facility County: San Diego

envid: S113165050
Year: 2007
GEPAID: CAL920605121
Contact: CANX VQ96 CASEY BADGER_____AH
Telephone: 6192992400
Mailing Name: Not reported
Mailing Address: 2317 HOTEL CIRCLE S
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0
Facility County: San Diego

envid: S113165050
Year: 2006
GEPAID: CAL920605121
Contact: CANX VQ96 CASEY BADGER_____AH
Telephone: 6192992400
Mailing Name: Not reported
Mailing Address: 2317 HOTEL CIRCLE S
Mailing City,St,Zip: SAN DIEGO, CA 921080000

EMERGENCY ANIMAL CLINIC OF SD (Continued) **S113165050**

Gen County: Not reported
TSD EPA ID: CAD008302903
TSD County: Not reported
Waste Category: Pharmaceutical waste
Disposal Method: Transfer Station
Tons: 0
Facility County: San Diego

envid: S113165050
Year: 1996
GEPAID: CAL920605121
Contact: EMERGENCY ANIMAL CLINIC PROPS
Telephone: 6192992400
Mailing Name: Not reported
Mailing Address: 2317 HOTEL CIRCLE S
Mailing City,St,Zip: SAN DIEGO, CA 921080000
Gen County: Not reported
TSD EPA ID: CAT080022148
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: Transfer Station
Tons: .0060
Facility County: San Diego

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95 **EMERGENCY ANIMAL HOSPITAL & REFERRAL CTR** **CA HAZNET** **S113053879**
2317 HOTEL CIR S **N/A**
SAN DIEGO, CA 92178

HAZNET:
envid: S113053879
Year: 1998
GEPAID: CAL000082973
Contact: EMERGENCY ANIMAL CLINIC
Telephone: 6192992400
Mailing Name: Not reported
Mailing Address: 2317 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 921083310
Gen County: Not reported
TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Tons: .0208
Facility County: San Diego

envid: S113053879
Year: 1993
GEPAID: CAL000082973
Contact: EMERGENCY ANIMAL CLINIC
Telephone: 6192992400
Mailing Name: Not reported
Mailing Address: 2317 HOTEL CIR S
Mailing City,St,Zip: SAN DIEGO, CA 921083310
Gen County: Not reported
TSD EPA ID: CAD981402522
TSD County: Not reported
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler

EMERGENCY ANIMAL HOSPITAL & REFERRAL CTR (Continued) **S113053879**

Tons: 0.014
Facility County: San Diego

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95 **EMERGENCY ANIMAL CLINIC OF S D** **CA San Diego Co. HMMD** **S106066419**
2317 S HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 150549
Business Type: 6HK10
EPA Id Number: CAL00008297
APN: 443-040-30-00
Last HMMD Inspection: 02/02/1994
Permit Status: INAC
Permit Expiration: 02/02/1994
Facility Owner: EMERGENCY ANIMAL CLINIC PROP
Facility Address: 2317 S HOTEL CIRCLE
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92108-3310
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

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95 **EXXON SERVICE STATION** **CA San Diego Co. HMMD** **S106061028**
2432 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:
Facility Id: 113027
Business Type: 6HK03
EPA Id Number: Not reported
APN: 436-610-43-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 06/30/2002
Facility Owner: EXXON CO U S A
Facility Address: 449 N 01ST ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-
UST Owner: EXXON CO U S A
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 113027 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 113027

EXXON SERVICE STATION (Continued) **S106061028**

Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-02-20 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113027 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	113027
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	8000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1987-02-20 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113027 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	113027
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-02-20 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 113027 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	113027
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED

EXXON SERVICE STATION (Continued) **S106061028**

Remove Close Date:	1987-02-20 00:00:00
Year Installed:	1981-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

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95 **HANALEI ASSOCIATES LLC DBA CROWNE PLAZA SAN DIEGO** **CA HAZNET** **S113040979**
2270 HOTEL CIR N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113040979
Year:	2011
GEPAID:	CAL000047371
Contact:	JIM GREENOUGH/DIR OF ENGRN'G
Telephone:	6192971101
Mailing Name:	Not reported
Mailing Address:	2270 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921082810
Gen County:	Not reported
TSD EPA ID:	CAD982444481
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2085
Facility County:	San Diego

envid:	S113040979
Year:	2011
GEPAID:	CAL000047371
Contact:	JIM GREENOUGH/DIR OF ENGRN'G
Telephone:	6192971101
Mailing Name:	Not reported
Mailing Address:	2270 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 921082810
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.24
Facility County:	San Diego

95 **HANALEI HOTEL** **CA San Diego Co. HMMD** **S106062391**
2270 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	126118
Business Type:	6HK70
EPA Id Number:	CAL000047371
APN:	DEH-126118
Last HMMD Inspection:	04/28/1995
Permit Status:	INAC
Permit Expiration:	02/28/1995
Facility Owner:	HANALEI
Facility Address:	2270 HOTEL CIRCLE NORTH
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-2810
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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95 **AT&T** **CA San Diego Co. HMMD** **S106064995**
2424 HOTEL CIR **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	136662
Business Type:	6HK20
EPA Id Number:	Not reported
APN:	436-610-39-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	08/31/2002
Facility Owner:	AT&T
Facility Address:	2424 HOTEL CIRCLE N
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

95 **MOTEL 6** **CA HAZNET** **S112942636**
2424 HOTEL CIR N **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112942636
Year:	2005
GEPAID:	CAC002585713
Contact:	RANDY PETERSON
Telephone:	8014727170
Mailing Name:	Not reported
Mailing Address:	2424 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	33.71
Facility County:	San Diego

envid:	S112942636
Year:	2005
GEPAID:	CAC002585713
Contact:	RANDY PETERSON
Telephone:	8014727170
Mailing Name:	Not reported
Mailing Address:	2424 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Not reported
Tons:	179.68
Facility County:	San Diego

envid:	S112942636
Year:	2005
GEPAID:	CAC002585713
Contact:	RANDY PETERSON
Telephone:	8014727170
Mailing Name:	Not reported
Mailing Address:	2424 HOTEL CIR N
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	NVT330010000
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Disposal, Land Fill
Tons:	8.12
Facility County:	San Diego

envid:	S112942636
Year:	2005
GEPAID:	CAC002585713
Contact:	RANDY PETERSON
Telephone:	8014727170
Mailing Name:	Not reported

MOTEL 6 (Continued) **S112942636**

Mailing Address: 2424 HOTEL CIR N
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Disposal, Land Fill
Tons: 0.2
Facility County: San Diego

envid: S112942636
Year: 2005
GEPAID: CAC002585713
Contact: RANDY PETERSON
Telephone: 8014727170
Mailing Name: Not reported
Mailing Address: 2424 HOTEL CIR N
Mailing City,St,Zip: SAN DIEGO, CA 92108
Gen County: Not reported
TSD EPA ID: AZR000002428
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 67.42
Facility County: San Diego

Click this hyperlink while viewing on your computer to access additional CA_HAZNET: detail in the EDR Site Report.

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95 **EXXON SERVICE STATION #7-3961** **CA LUST** **S102429530**
2432 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA 92108

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT696
Local Case: H13027-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 02/23/1987
Date Stopped: 02/23/1987
Confirm Date: 02/23/1987
Submit Workplan: Not reported
Prelim Assess: 12/05/1988
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported

EXXON SERVICE STATION #7-3961 (Continued) **S102429530**

Release Date: 03/05/1987
Enforce Date: Not reported
Closed Date: 12/15/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 15
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File archived, case closed and file moved to storage
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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95 **EXXON SERVICE STATION** **CA RGA LUST** **S114616969**
2432 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA

RGA LUST:

2012	EXXON SERVICE STATION	2432 HOTEL CIRCLE N
2011	EXXON SERVICE STATION	2432 HOTEL CIRCLE N
2010	EXXON SERVICE STATION	2432 HOTEL CIRCLE N
2009	EXXON SERVICE STATION	2432 HOTEL CIRCLE N
2008	EXXON SERVICE STATION	2432 HOTEL CIRCLE N
2007	EXXON SERVICE STATION	2432 HOTEL CIRCLE N
2006	EXXON SERVICE STATION	2432 HOTEL CIRCLE N
2005	EXXON SERVICE STATION	2432 HOTEL CIRCLE N

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95 **EXXON SERVICE STATION** **CA LUST** **S105693306**
2432 HOTEL CIRCLE N **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92108

LUST:
Region: STATE
Global Id: T0607302965
Latitude: 32.7601887
Longitude: -117.1863347
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/15/1989
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT696
LOC Case Number: H13027-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302965
Status: Open - Case Begin Date
Status Date: 02/23/1987

EXXON SERVICE STATION (Continued) **S105693306**

Global Id: T0607302965
Status: Completed - Case Closed
Status Date: 12/15/1989

Regulatory Activities:
Global Id: T0607302965
Action Type: Other
Date: 02/23/1987
Action: Leak Began

Global Id: T0607302965
Action Type: Other
Date: 02/23/1987
Action: Leak Discovery

Global Id: T0607302965
Action Type: Other
Date: 02/23/1987
Action: Leak Stopped

Global Id: T0607302965
Action Type: Other
Date: 02/23/1987
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H13027-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/15/1989
Date Began: 2/23/1987

---

95 **SPRADLIN S EXXON SERVICE** **EDR US Hist Auto Stat** **1008999639**
2432 HOTEL CIR N **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: SPRADLIN S EXXON SERVICE
Year: 1975
Type: GASOLINE STATIONS

Name: MISSION VALLEY EXXON SERVICE
Year: 1984
Type: GASOLINE STATIONS

95 **EXXON SERVICE STATION #7-3961** **CA RGA LUST** **S114616909**
2432 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA

RGA LUST:

2002	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE N
2001	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE N
2000	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE N
1998	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE N
1997	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE N
1996	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE N
1995	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE N

---

95 **EXXON** **CA RGA LUST** **S114617405**
2432 HOTEL CIRCLE N **N/A**
SAN DIEGO, CA

RGA LUST:

2004	EXXON	2432 HOTEL CIRCLE N
2003	EXXON	2432 HOTEL CIRCLE N

---

95 **EXXON SERVICE STATION #7-3961** **CA RGA LUST** **S114616908**
2432 HOTEL CIRCLE NORTH **N/A**
SAN DIEGO, CA

RGA LUST:

1994	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE NORTH
1993	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE NORTH
1992	EXXON SERVICE STATION #7-3961	2432 HOTEL CIRCLE NORTH

---

95 **EDR US Hist Auto Stat** **1015358225**
2440 HOTEL CIR N **N/A**
SAN DIEGO, CA 92108

EDR Historical Auto Stations:

Name: AUTOMOBILE CLUB OF SOUTHERN CALIF
Year: 2011
Address: 2440 HOTEL CIR N

Name: AUTOMOBILE CLUB OF SOUTHERN CALIF
Year: 2012
Address: 2440 HOTEL CIR N

95 **COMFORT INN & SUITES** **CA HAZNET** **S112843589**
2485 HOTEL CIRCLE PLACE **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112843589
Year:	1996
GEPAID:	CAC000763472
Contact:	COMFORT INN & SUITES
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2485 HOTEL CIRCLE PLACE
Mailing City,St,Zip:	SAN DIEGO, CA 921080000
Gen County:	Not reported
TSD EPA ID:	CAD044429835
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Disposal, Other
Tons:	.6880
Facility County:	San Diego

---

95 **SAM S ENCO SERVICENTER** **EDR US Hist Auto Stat** **1008997150**
2432 N HOTEL CIR **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:

Name:	SAM S ENCO SERVICENTER
Year:	1970
Type:	GASOLINE STATIONS

---

95 **CA Notify 65** **S100178081**
2484 HOTEL CIRCLE PLACE **N/A**
SAN DIEGO, CA 92108

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92108-2812

---

95 **EZ8 MOTELS** **CA HAZNET** **S112937749**
2484 HOTEL CIRCLE PLACE **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112937749
Year:	2004
GEPAID:	CAC002577889
Contact:	DAN BARGER
Telephone:	6192914824
Mailing Name:	Not reported
Mailing Address:	2484 HOTEL CIRCLE PLACE
Mailing City,St,Zip:	SAN DIEGO, CA 92108
Gen County:	Not reported
TSD EPA ID:	CAD982444481

EZ8 MOTELS (Continued) **S112937749**

TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Tons: 2.91
Facility County: San Diego

---

95 **HARBOR PEST CONTROL** **CA CHMIRS S104747127**
2495 HOTEL CIRCLE PL **CA San Diego Co. HMMD N/A**
SAN DIEGO, CA 92108

CHMIRS:

OES Incident Number:	11-1327
OES notification:	03/04/2011
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Road
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1203
Year:	2011
Agency:	City of San Diego
Incident Date:	3/4/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported

HARBOR PEST CONTROL (Continued) **S104747127**

E Date:	Not reported
Substance:	Sewage
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Sand blockage in line caused this release.

SAN DIEGO CO. HMMD:

Facility Id:	111489
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-610-24-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

95 **CELEBRITY FIFTH AVE LIMOSINE** **CA San Diego Co. HMMD** **S104754729**
2405 HOTEL CIRCLE PL **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	134945
Business Type:	6HK26
EPA Id Number:	Not reported
APN:	436-610-63-00
Last HMMD Inspection:	09/02/1994
Permit Status:	INAC
Permit Expiration:	09/02/1994
Facility Owner:	GERRY KURTZ
Facility Address:	2405 HOTEL CIRCLE PLACE
Facility City:	SAN DIEGO

CELEBRITY FIFTH AVE LIMOSINE (Continued) **S104754729**

Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

95 **FLUID SYSTEMS** **CA San Diego Co. HMMD** **S104750200**
2466 HOTEL CIRCLE PL **N/A**
SAN DIEGO, CA 92108

SAN DIEGO CO. HMMD:

Facility Id:	123193
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-610-48-00
Last HMMD Inspection:	01/24/1992
Permit Status:	INAC
Permit Expiration:	01/24/1992
Facility Owner:	FLUID SYSTEMS INC
Facility Address:	10054 OLD GROVE RD
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92131-1647
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

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95 **CA CHMIRS** **S105644126**
2485 HOTEL CIRCLE PLACE COMFORT INN HOTEL **N/A**
SAN DIEGO, CA

CHMIRS:

OES Incident Number:	015647
OES notification:	Not reported
OES Date:	9/20/1996
OES Time:	07:26:23 PM
Incident Date:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

(Continued) **S105644126**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Storm Drain
Spill Site:	Not reported
Cleanup By:	private contractor
Containment:	Not reported
What Happened:	Not reported
Type:	CHEMICAL
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	San Diego City Fire Hazmat
Incident Date:	0632 20Sept96
Admin Agency:	Not reported
Amount:	1 Gal
Contained:	YES
Site Type:	OTHER
E Date:	Not reported
Substance:	Methylene Chloride
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	employee poured residue of substance into storm drain after cleaning a pool deck.

95 **RIVER VALLEY SPORTS CENTER** | **CA LUST** | **S101302036**
2440 HOTEL CIRCLE PL | **CA San Diego Co. HMMD** | **N/A**
SAN DIEGO, CA 92108 | **CA SAN DIEGO CO. SAM**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2623
Local Case:	H06050-001
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	12/15/1993
Date Stopped:	12/15/1993
Confirm Date:	09/16/1993
Submit Workplan:	12/21/93
Prelim Assess:	01/05/1994
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	12/15/1993
Enforce Date:	Not reported
Closed Date:	10/31/95
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	5’
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	2A
File Dispn:	File discarded, case closed
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	106050
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	436-610-64-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	WARNER RANCH DEVELOP
Facility Address:	967 VAN NUYS ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92109-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported

RIVER VALLEY SPORTS CENTER (Continued) **S101302036**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 106050 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 106050
Tank Type: SINGLE WALL
Additional Id: 001
Capacity Gallons: 800
UST Contents: LEADED
Other Content Info: LEADED
Reg Status: REMOVED
Remove Close Date: 1994-04-03 00:00:00
Year Installed: 1965-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 106050 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 106050
Tank Type: SINGLE WALL
Additional Id: 002
Capacity Gallons: 500
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: REMOVED
Remove Close Date: 1994-04-03 00:00:00
Year Installed: 1965-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number: H06050-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 10/31/1995
Date Began: 9/16/1993

Case Number: H06050-002
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 12/31/2003

RIVER VALLEY SPORTS CENTER (Continued) **S101302036**

Date Began: 1/27/2003

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95 **RIVER VALLEY SPORTS CENTER** **CA LUST** **S100727233**
2440 HOTEL CIRCLE PL **CA SLIC** **N/A**
SAN DIEGO, CA 92108

LUST:

Region:	STATE
Global Id:	T0607301376
Latitude:	32.7607356
Longitude:	-117.187045
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/31/1995
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	LA
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2623
LOC Case Number:	H06050-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301376
Contact Type:	Local Agency Caseworker
Contact Name:	LAURIE APECECHEA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	laurie.apececchea@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301376
Status:	Open - Case Begin Date
Status Date:	12/01/1993
Global Id:	T0607301376
Status:	Completed - Case Closed
Status Date:	10/31/1995

Regulatory Activities:

Global Id:	T0607301376
Action Type:	ENFORCEMENT
Date:	12/21/1993
Action:	Notice of Responsibility

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/31/2003
Global Id:	T0607356780

RIVER VALLEY SPORTS CENTER (Continued) **S100727233**

Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H06050-002
Latitude:	32.7607710191679
Longitude:	-117.187042236328
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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95 **RIVER VALLEY SPORTS CENTER** **CA RGA LUST** **S114677304**
2440 HOTEL CIRCLE PL **N/A**
SAN DIEGO, CA

RGA LUST:

2012	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2011	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2010	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2009	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2008	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2007	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2007	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2006	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2005	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2004	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL
2003	RIVER VALLEY SPORTS CENTER	2440 HOTEL CIRCLE PL

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95 **RIVER VLY SPORTS CTR** **CA RGA LUST** **S114677305**
2440 HOTEL CIRCLE PLACE **N/A**
SAN DIEGO, CA

RGA LUST:

1994	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PLACE

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95 **RIVER VLY SPORTS CTR** **CA RGA LUST** **S114677306**
2440 HOTEL CIRCLE PL **N/A**
SAN DIEGO, CA

RGA LUST:

2002	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL
2001	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL
2000	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL
1998	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL
1997	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL
1996	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL
1995	RIVER VLY SPORTS CTR	2440 HOTEL CIRCLE PL

95 **COVENTRY CARS OF SAN DIEGO** **CA HAZNET** **S113087546**
2432 HOTEL CIRCLE DR **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S113087546
Year:	2000
GEPAID:	CAL000163463
Contact:	BILL OBRIEN/OWNER
Telephone:	6192979393
Mailing Name:	Not reported
Mailing Address:	2432 HOTEL CIRCLE PL
Mailing City,St,Zip:	SAN DIEGO, CA 921082812
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.91
Facility County:	San Diego

envid:	S113087546
Year:	1999
GEPAID:	CAL000163463
Contact:	BILL OBRIEN
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2432 HOTEL CIRCLE PL
Mailing City,St,Zip:	SAN DIEGO, CA 921082812
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Transfer Station
Tons:	.2085
Facility County:	San Diego

envid:	S113087546
Year:	1999
GEPAID:	CAL000163463
Contact:	BILL OBRIEN
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2432 HOTEL CIRCLE PL
Mailing City,St,Zip:	SAN DIEGO, CA 921082812
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Not reported
Tons:	.2293
Facility County:	San Diego

envid:	S113087546
Year:	1999
GEPAID:	CAL000163463
Contact:	BILL OBRIEN
Telephone:	0000000000
Mailing Name:	Not reported

COVENTRY CARS OF SAN DIEGO (Continued) **S113087546**

Mailing Address:	2432 HOTEL CIRCLE PL
Mailing City,St,Zip:	SAN DIEGO, CA 921082812
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	1.1257
Facility County:	San Diego

envid:	S113087546
Year:	1998
GEPAID:	CAL000163463
Contact:	BILL OBRIEN
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	2432 HOTEL CIRCLE PL
Mailing City,St,Zip:	SAN DIEGO, CA 921082812
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Transfer Station
Tons:	.2293
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

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95 **AUTOMOBILE CLUB MISSION VALLEY** **CA NPDES** **S117695167**
2432 HOTEL CIRCLE PL **N/A**
SAN DIEGO, CA 92108

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	217449
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C323646
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/02/2010
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	05/09/2008
PROCESSED DATE:	09/26/2003
STATUS CODE NAME:	Terminated
STATUS DATE:	09/02/2010
PLACE SIZE:	2

AUTOMOBILE CLUB MISSION VALLEY (Continued) **S117695167**

PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Jim Johnston
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	616-340-4182
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Automobile Club Southern California
OPERATOR ADDRESS:	3333 Fairview Rd # A477
OPERATOR CITY:	Costa Mesa
OPERATOR STATE:	California
OPERATOR ZIP:	92626
OPERATOR CONTACT NAME:	TOM Pavlovsky
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	714-885-1532
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Other
DEVELOPER NAME:	Workstage
DEVELOPER ADDRESS:	4700 60th St Se
DEVELOPER CITY:	Grand Rapids
DEVELOPER STATE:	California
DEVELOPER ZIP:	49512
DEVELOPER CONTACT NAME:	Tim Ollman
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	619-296-5843
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Y
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	San Diego River
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

95 **THE AUTO CLUB OF SOUTHERN CALIFORNIA** **CA HAZNET** **S112934598**
2432 HOTEL CIR PL **N/A**
SAN DIEGO, CA 92108

HAZNET:

envid:	S112934598
Year:	2003
GEPAID:	CAC002572926
Contact:	TOM POVLOVSKY
Telephone:	7148851532
Mailing Name:	Not reported
Mailing Address:	3333 FAIRVIEW RD
Mailing City,St,Zip:	COSTA MESA, CA 92626
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	1
Facility County:	San Diego

---

95 **EXXON SERVICE STATION #7-** **CA HIST CORTESE** **S103958998**
2432 HOTEL **N/A**
SAN DIEGO, CA 92108

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT696

---

96 **CA Notify 65** **S100178297**
4555 KANSAS ST **N/A**
SAN DIEGO, CA 92116

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92116-4263

---

96 **CA Notify 65** **S100178184**
3000 MADISON AVENUE **N/A**
SAN DIEGO, CA 92116

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92116-3203

97 **EDR US Hist Auto Stat** **1015682627**
950 MADISON AVE **N/A**
SAN DIEGO, CA 92116

EDR Historical Auto Stations:

Name:	MANY MOBILE AUTO DETAILS
Year:	2003
Address:	950 MADISON AVE
Name:	MANY MOBILE AUTO DETAILS
Year:	2004
Address:	950 MADISON AVE

---

98 **ERNS** **91205680**
550 MORENA BLVD **N/A**
SAN DIEGO, CA 92110

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

98 **CA CHMIRS** **S100277302**
550 MORENA BLVD. **N/A**
SAN DIEGO, CA 92110

CHMIRS:

OES Incident Number:	9115636
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	25-FEB-91
Date Completed:	**25-FEB-91**
Property Use:	961
Agency Id Number:	37140
Agency Incident Number:	UNKNOWN
Time Notified:	846
Time Completed:	945
Surrounding Area:	961
Estimated Temperature:	70
Property Management:	S
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	DODDS 510
Report Date:	25-FEB-91
Facility Telephone:	619 533-4300
Waterway Involved:	Not reported

(Continued) **S100277302**

Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	Not reported
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	16-JUN-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

---

99 **SAN DIEGO MFG PLT** **CA ENVIROSTOR** **S107737240**
N/A

SAN DIEGO, CA

ENVIROSTOR:

Facility ID:	80000456
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO

SAN DIEGO MFG PLT (Continued) **S107737240**

Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 32.75416
Longitude: -117.2
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F560500
Alias Type: Federal Facility ID
Alias Name: J09CA0603
Alias Type: INPR
Alias Name: 80000456
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 04/18/1994
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

---

99 **OLD TOWN STATE PARK** **CA HIST CORTESE** **S102434647**
4005 TAYLOR ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SAN DIEGO CO. SAM**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT806

LUST:
Region: STATE
Global Id: T0607303057
Latitude: 32.7556553
Longitude: -117.1998297
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/18/1988
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT806
LOC Case Number: H21170-001
File Location: Local Agency
Potential Media Affect: Soil

OLD TOWN STATE PARK (Continued) **S102434647**

Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607303057
Status: Open - Case Begin Date
Status Date: 08/28/1987

Global Id: T0607303057
Status: Completed - Case Closed
Status Date: 07/18/1988

Regulatory Activities:
Global Id: T0607303057
Action Type: Other
Date: 08/28/1987
Action: Leak Began

Global Id: T0607303057
Action Type: Other
Date: 08/28/1987
Action: Leak Discovery

Global Id: T0607303057
Action Type: Other
Date: 08/28/1987
Action: Leak Stopped

Global Id: T0607303057
Action Type: Other
Date: 08/28/1987
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT806
Local Case: H21170-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Remove Contents
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 08/28/1987
Date Stopped: 08/28/1987
Confirm Date: 08/28/1987
Submit Workplan: Not reported
Prelim Assess: 10/06/1987
Desc Pollution: Not reported

OLD TOWN STATE PARK (Continued) **S102434647**

Remed Plan: / /
Remed Action: 2/18/88
Began Monitor: Not reported
Release Date: 10/02/1987
Enforce Date: Not reported
Closed Date: 5/10/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 9'
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H21170-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 7/18/1988
Date Began: 8/28/1987

---

99 **SAN DIEGO TRUST AND SAVINGS** **CA HIST CORTESE** **S102436324**
4606 PACIFIC HWY **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT986

LUST:
Region: STATE
Global Id: T0607303220
Latitude: 32.755398
Longitude: -117.2013194
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/28/1992
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT986
LOC Case Number: H12810-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO TRUST AND SAVINGS (Continued) **S102436324**

Status History:

Global Id:	T0607303220
Status:	Open - Case Begin Date
Status Date:	06/15/1988
Global Id:	T0607303220
Status:	Completed - Case Closed
Status Date:	05/28/1992

Regulatory Activities:

Global Id:	T0607303220
Action Type:	Other
Date:	06/15/1988
Action:	Leak Began
Global Id:	T0607303220
Action Type:	Other
Date:	06/15/1988
Action:	Leak Discovery
Global Id:	T0607303220
Action Type:	Other
Date:	06/15/1988
Action:	Leak Stopped
Global Id:	T0607303220
Action Type:	ENFORCEMENT
Date:	07/26/1988
Action:	Notice of Responsibility
Global Id:	T0607303220
Action Type:	Other
Date:	06/15/1988
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT986
Local Case:	H12810-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	05/26/1988
Date Stopped:	05/26/1988
Confirm Date:	06/15/1988
Submit Workplan:	Not reported

SAN DIEGO TRUST AND SAVINGS (Continued) **S102436324**

Prelim Assess: 07/26/1988
Desc Pollution: Not reported
Remed Plan: 12/27/1989
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/26/1988
Enforce Date: 7/26/88
Closed Date: 5/11/92
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 7.5
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

---

99 **SAN DIEGO TRUST & SAVINGS** **CA SAN DIEGO CO. SAM** **S105694260**
4606 PACIFIC HY **N/A**
SAN DIEGO, CA 92110

SAN DIEGO CO. SAM:
Case Number: H12810-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/28/1992
Date Began: 6/15/1988

---

99 **FLYING HEART SERVICE** **EDR US Hist Auto Stat** **1008996397**
4620 PACIFIC HWY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: FLYING HEART SERVICE
Year: 1952
Type: GASOLINE STATIONS

Name: ROBINSON S FLYING HEART SERVICE
Year: 1961
Type: GASOLINE STATIONS

99 **CALTRANS** **CA HIST CORTESE** **S110060400**
4050 TAYLOR **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3560

LUST:

Region:	STATE
Global Id:	T0607302328
Latitude:	32.75686
Longitude:	-117.198761
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/09/2001
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3560
LOC Case Number:	H23396-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302328
Status:	Completed - Case Closed
Status Date:	01/09/2001
Global Id:	T0607302328
Status:	Open - Case Begin Date
Status Date:	09/16/1997

Regulatory Activities:

Global Id:	T0607302328
Action Type:	Other
Date:	09/16/1997
Action:	Leak Began
Global Id:	T0607302328
Action Type:	Other
Date:	09/16/1997
Action:	Leak Discovery
Global Id:	T0607302328
Action Type:	Other
Date:	09/16/1997
Action:	Leak Stopped
Global Id:	T0607302328
Action Type:	ENFORCEMENT
Date:	11/24/1997
Action:	Notice of Responsibility

CALTRANS (Continued) **S110060400**

Global Id: T0607302328
Action Type: Other
Date: 09/16/1997
Action: Leak Reported

---

99 **CALTRANS/MOTOR POOL** **CA HIST CORTESE** **S102360200**
4050 TAYLOR ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 12
Reg By: LTNKA
Reg Id: 1THU038

Region: CORTESE
Facility County Code: 12
Reg By: LTNKA
Reg Id: 1THU684

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3560
Local Case: H23396-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 09/16/1997
Date Stopped: 09/16/1997
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 11/20/1997
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/16/1997
Enforce Date: 11/24/97
Closed Date: 1/9/01
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Beneficial groundwater use other then Municipal use
NPDES Number: Not reported
Priority: 3B
File Dispn: Administratively opened on database, however no file physically exists

CALTRANS/MOTOR POOL (Continued) **S102360200**

Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 123396
Business Type: 6HK29
EPA Id Number: CAL922242849
APN: 442-360-01-00
Last HMMD Inspection: 06/06/2002
Permit Status: INAC
Permit Expiration: 09/30/2003
Facility Owner: CALTRANS
Facility Address: 4120 TAYLOR STREET, MS 68
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110-2739
UST Owner: DEPARTMENT OF TRANSPORTATION
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 123396 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 123396
Tank Type: SINGLE WALL
Additional Id: 001 UNLEADED
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1997-09-16 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 05
UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name: UNDERGROUND TANK 123396 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 123396
Tank Type: SINGLE WALL
Additional Id: 002 UNLEADED
Capacity Gallons: 2000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1997-09-16 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: Not reported
Monitor Code: 05

CALTRANS/MOTOR POOL (Continued) **S102360200**

UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 123396 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	123396
Tank Type:	SINGLE WALL
Additional Id:	03
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1990-11-27 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

Facility Id:	207663
Business Type:	6HK70
EPA Id Number:	CAL000305259
APN:	442-360-05-00
Last HMMD Inspection:	05/16/2011
Permit Status:	OPEN
Permit Expiration:	09/30/2013
Facility Owner:	STATE OF CA - CALTRANS - DIVISION OF EQUIPMENT
Facility Address:	4050 TAYLOR ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207663
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207663
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information:	ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported

CALTRANS/MOTOR POOL (Continued) **S102360200**

Hazardous Categories 2: Not reported

Facility Id: 207663
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207663
Update Date: 11/02/2012
Case Number: 68476-34-6
Name: DIESEL FUEL
Other Information: LOW-SULFUR (LS) & ULTRA LOW SULFUR
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 207663
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: USED OIL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 207663
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information: PARTS WASHER & AQUEOUS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 207663
Update Date: 11/02/2012
Inspection Date: 01/29/2007
Violation Code: 6HV1004
Violation: HMBP NOT SUBMITTED TO HMD
Violation Citation: Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity: ACTIVE

Facility Id: 207663
Update Date: 11/02/2012
Inspection Date: 05/16/2011
Violation Code: 6HV0138
Violation: NO TSDF SIGNED MANIFEST ONSITE
Violation Citation: Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity: ACTIVE

CALTRANS/MOTOR POOL (Continued) **S102360200**

Facility Id:	207663
Update Date:	11/02/2012
Inspection Date:	05/16/2011
Violation Code:	6HV1013
Violation:	HMBP NOT AVAILABLE FOR REVIEW
Violation Citation:	Copy of HMBP not onsite for inspector's review. 25505(e)
Activity:	ACTIVE

Facility Id:	207663
Update Date:	11/02/2012
Inspection Date:	05/16/2011
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE

Facility Id:	207663
Update Date:	11/02/2012
Inspection Date:	01/29/2007
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

SAN DIEGO CO. SAM:

Case Number:	H23396-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/9/2001
Date Began:	9/16/1997

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99 **CALTRANS MSW CON/IND, D11,8,10** **CA HIST CORTESE** **S103953861**
2829 JUAN ST **CA ENF** **N/A**
SAN DIEGO, CA 92186 **CA San Diego Co. HMMD**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	WBC&D
Reg Id:	9 000000793

ENF:

Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	235201
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	12/11/2000

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Adoption/Issuance Date:	Not reported
Achieve Date:	12/11/2000
Termination Date:	12/11/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	A tanker truck overturned and spilled 3000-3500 gallons of unleaded gasoline on the on-ramp at Aero Drive
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	234681
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/29/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	Request for technical report regarding the Hazardous Materials Spill Contingency Plan
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Enforcement Id(EID):	234664
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	08/18/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	08/18/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	NOV 2000-205 with 13267 letter sent for two related sanitary sewer overflows which occurred on 7/30/00 and 7/31/00.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	234663
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	08/18/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	9/7/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	NOV 2000-205 with 13267 letter sent for two related sanitary sewer overflows which occurred on 7/30/00 and 7/31/00.
Program:	NPDESWW
Latest Milestone Completion Date:	9/7/2000
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	234342
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	04/19/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	5/4/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	NOV 2000-78 with 13267 letter sent for SSOs reported by City of San Diego for 6850-, 725- and 2725-gal SSO which occurred on 3/26/2000, 4/2/2000, and 4/8/2000, respectively.
	Not reported
Program:	NPDESWW
Latest Milestone Completion Date:	5/4/2000
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	220134
Region:	9
Order / Resolution Number:	R9-1998-0029
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	03/05/1998
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	SINK HOLE CLEANUP ORDER
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00
Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	240495
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	10/04/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	Sediment was discharged from a slope to a storm drain.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

Region:	9
Facility Id:	212824
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9511
SIC Desc 1:	Air and Water Resource and Solid Waste Management
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	NPDESWW
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	240455
Region:	9
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	10/04/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	10/04/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 9 000000793
Description:	Sediment was discharged from a slope to a storm drain.
Program:	NPDESWW
Latest Milestone Completion Date:	Not reported

CALTRANS MSW CON/IND, D11,8,10 (Continued) **S103953861**

# Of Programs1:	1
Total Assessment Amount:	0.00
Initial Assessed Amount:	0.00
Liability $ Amount:	0.00
Project $ Amount:	0.00
Liability $ Paid:	0.00
Project $ Completed:	0.00
Total $ Paid/Completed Amount:	0.00

SAN DIEGO CO. HMMD:

Facility Id:	115499
Business Type:	6HK70
EPA Id Number:	CAL920745648
APN:	442-463-01-00
Last HMMD Inspection:	11/14/2002
Permit Status:	INAC
Permit Expiration:	07/31/2007
Facility Owner:	CALTRANS
Facility Address:	2829 JUAN STREET
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Y
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 115499 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	115499
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	280
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1994-07-13 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

99 **USNAVY ELECTRONICS SYSENGCEN PWC HW OPS** **RCRA-SQG** **1000147755**
4635 PACIFIC HIGHWAY **CA6170024388**
SAN DIEGO, CA 92110

RCRA-SQG:
Date form received by agency: 03/04/1999
Facility name: USNAVY ELECTRONICS SYSENGCEN PWC HW OPS
Site name: SSC-SD, OLD TOWN CAMPUS, TAYLOR STREET
Facility address: 4635 PACIFIC HIGHWAY
SAN DIEGO, CA 92110
EPA ID: CA6170024388
Mailing address: 53560 HULL STREET, CODE D038
SAN DIEGO, CA
Contact: JAMES N. KRAKE
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: (619) 553-5027
Contact email: Not reported
EPA Region: 09
Land type: Federal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/01/1996
Site name: USNAVY ELECTRONICS SYSENGCEN PWC HW OPS
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: USNAVY ELECTRONICS SYSENGCEN PWC HW OPS
Classification: Small Quantity Generator

Date form received by agency: 03/18/1996
Site name: NISE WEST
Classification: Large Quantity Generator

USNAVY ELECTRONICS SYSENGCEN PWC HW OPS (Continued) **1000147755**

Date form received by agency: 03/11/1994
Site name: NISE WEST
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: USNAVY ELECTRONICS SYSENGCEN PWC HW OPS
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/13/1994
Date achieved compliance: 09/13/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/17/1991
Date achieved compliance: 09/13/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/04/1990
Date achieved compliance: 04/17/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/07/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

USNAVY ELECTRONICS SYSENGCEN PWC HW OPS (Continued) **1000147755**

Evaluation lead agency: State Contractor/Grantee

Evaluation date: 09/13/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/13/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 04/17/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/13/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 05/04/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/17/1991
Evaluation lead agency: State Contractor/Grantee

---

99 **GIBSON DICK AUTOMOTIVE SERVICE** **EDR US Hist Auto Stat** **1008997877**
4636 PACIFIC HWY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: GIBSON DICK AUTOMOTIVE SERVICE
Year: 1952
Type: AUTOMOBILE REPAIRING

Name: GIBSON DICK AUTOMOTIVE SERVICE
Year: 1961
Type: AUTOMOBILE REPAIRING

---

99 **MANCHESTER H H** **EDR US Hist Auto Stat** **1008989360**
4100 TAYLOR **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: MANCHESTER H H
Year: 1930
Type: AUTOMOBILE REPAIRING

---

99 **OLD TOWN SERVICE STATION** **EDR US Hist Auto Stat** **1008997191**
4100 TAYLOR WY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: FRANCIS & ROSE
Year: 1933
Type: AUTOMOBILE REPAIRING

Name: SAWATZKE H R
Year: 1938
Type: AUTOMOBILE REPAIRING

Name: SPERRY NOEL

OLD TOWN SERVICE STATION (Continued) **1008997191**

Year: 1943
Type: AUTOMOBILE REPAIRING

Name: OLD TOWN SERVICE
Year: 1948
Type: AUTOMOBILE REPAIRING

Name: OLD TOWN SERVICE STATION
Year: 1952
Type: GASOLINE STATIONS

---

99 **BUSATO & TONINI** **EDR US Hist Auto Stat** **1008998033**
4146 TAYLOR WY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: BUSATO & TONINI
Year: 1927
Type: GASOLINE AND OIL SERVICE STATIONS

---

99 **CALTRANS** **CA HIST UST** **U001572825**
3024 JUAN ST **N/A**
SAN DIEGO, CA 92110

HIST UST:
Region: STATE
Facility ID: 00000064981
Facility Type: Other
Other Type: DEPT. OF TRANSPORTAT
Contact Name: Not reported
Telephone: 6192376924
Owner Name: CALTRANS
Owner Address: 2829 JUAN ST.
Owner City,St,Zip: SAN DIEGO, CA 92110
Total Tanks: 0000

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

99 **HERZOG LAWRENCE** **EDR US Hist Auto Stat** **1008999405**
4151 TAYLOR WY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: HERZOG LAWRENCE
Year: 1948
Type: AUTOMOBILE REPAIRING

---

99 **BROWN EDWIN** **EDR US Hist Auto Stat** **1008995482**
4230 TAYLOR WY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: BROWN EDWIN
Year: 1933
Type: AUTOMOBILE REPAIRING

---

99 **LARRY S AUTO REPAIR** **EDR US Hist Auto Stat** **1008997586**
4277 TAYLOR ST **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: LARRY S AUTO REPAIR
Year: 1966
Type: AUTOMOBILE REPAIRING

Name: LARRY S AUTO REPAIR
Year: 1970
Type: AUTOMOBILE REPAIRING

Name: STANCO AUTOMOTIVE AIR
Year: 2001
Address: 4277 TAYLOR ST

Name: STANCO AUTOMOTIVE AIR
Year: 2002
Address: 4277 TAYLOR ST

Name: STANCO AUTOMOTIVE AIR
Year: 2003
Address: 4277 TAYLOR ST

Name: STANCO & STERLING AUTOMOTIVE
Year: 2009
Address: 4277 TAYLOR ST

99 **LAUFER S HEAD EXCHANGE** **EDR US Hist Auto Stat** **1008997901**
4277 TAYLOR WY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: LAUFER S HEAD EXCHANGE
Year: 1961
Type: AUTOMOBILE REPAIRING

Name: LARRY S AUTO REPAIR
Year: 1961
Type: AUTOMOBILE REPAIRING

---

99 **A A AUTO REPAIR** **EDR US Hist Auto Stat** **1008998447**
4285 TAYLOR ST **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: LARRY S AUTO REPAIR
Year: 1975
Type: AUTOMOBILE REPAIRING

Name: A A AUTO REPAIR
Year: 1980
Type: AUTOMOBILE REPAIRING

Name: A A AUTO REPAIR
Year: 1984
Type: AUTOMOBILE REPAIRING

---

99 **LARRY S AUTO REPAIR** **EDR US Hist Auto Stat** **1008997566**
4285 TAYLOR WY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: LARRY S AUTO REPAIR
Year: 1952
Type: AUTOMOBILE REPAIRING

---

99 **CULVER J V** **EDR US Hist Auto Stat** **1008995266**
4294 TAYLOR NSD **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: CULVER J V
Year: 1921
Type: AUTOMOBILE SERVICE STATIONS

99 **MINASSE SIMON** **EDR US Hist Auto Stat** **1008995630**
4297 TAYLOR WY **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: MINASSE SIMON
Year: 1933
Type: GASOLINE AND OIL SERVICE STATIONS

---

100 **G.B. SALES** **CA HIST CORTESE** **S104745902**
4441 PARK BL **CA LUST** **N/A**
SAN DIEGO, CA 92116 **CA SAN DIEGO CO. SAM**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT2986

LUST:
Region: STATE
Global Id: T0607301753
Latitude: 32.7583
Longitude: -117.145892
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/03/1999
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2986
LOC Case Number: H04282-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301753
Status: Completed - Case Closed
Status Date: 05/03/1999

Global Id: T0607301753
Status: Open - Case Begin Date
Status Date: 02/02/1995

Regulatory Activities:
Global Id: T0607301753
Action Type: Other
Date: 02/02/1995
Action: Leak Began

Global Id: T0607301753
Action Type: Other
Date: 02/02/1995
Action: Leak Discovery

G.B. SALES (Continued) **S104745902**

Global Id: T0607301753
Action Type: ENFORCEMENT
Date: 04/28/1999
Action: Closure/No Further Action Letter - #H04282-001

Global Id: T0607301753
Action Type: Other
Date: 02/09/1995
Action: Leak Stopped

Global Id: T0607301753
Action Type: ENFORCEMENT
Date: 02/10/1995
Action: Notice of Responsibility

Global Id: T0607301753
Action Type: Other
Date: 02/02/1995
Action: Leak Reported

SAN DIEGO CO. SAM:
Case Number: H04282-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/3/1999
Date Began: 2/2/1995

---

100 **G.B. SALES** **CA LUST** **S100726584**
4441 PARK BLVD **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116 **CA San Diego Co. HMMD**

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2986
Local Case: H04282-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 02/02/1995
Date Stopped: 02/02/1995
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 02/13/1995
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported

G.B. SALES (Continued) **S100726584**

Began Monitor: Not reported
Release Date: 02/02/1995
Enforce Date: Not reported
Closed Date: 5/3/99
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: >100
Beneficial Use: NBNB/E
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 4282
Number: 9
Board Of Equalization: 44-022019
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-004282-000001
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 104282
Business Type: Not reported
EPA Id Number: Not reported
APN: 445-211-07-00
Last HMMD Inspection: 11/22/1994
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: ROBERT FAY
Facility Address: 1400 5TH AV 101
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92101-3224
UST Owner: DOROTHY M WORTHY
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 104282 T001

G.B. SALES (Continued) **S100726584**

Last Update:	2012-11-02 14:17:38
Permit Number:	104282
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1995-02-02 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

---

100 **CLIFF BROWN AUTOMOTIVE** **RCRA-SQG** **1000228710**
4491 PARK BLVD **CA HIST CORTESE** **CAD981665490**
SAN DIEGO, CA 92116 **CA LUST**
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	11/14/1986
Facility name:	CLIFF BROWN AUTOMOTIVE
Facility address:	4491 PARK BLVD SAN DIEGO, CA 92116
EPA ID:	CAD981665490
Mailing address:	PARK BLVD SAN DIEGO, CA 92116
Contact:	ENVIRONMENTAL MANAGER
Contact address:	4491 PARK BLVD SAN DIEGO, CA 92116
Contact country:	US
Contact telephone:	(619) 297-4204
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CLIFTON E BROWN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

CLIFF BROWN AUTOMOTIVE (Continued) **1000228710**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3945

LUST:
Region: STATE
Global Id: T0607302705
Latitude: 32.7589169
Longitude: -117.14596
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/27/2002
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3945
LOC Case Number: H12385-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302705

CLIFF BROWN AUTOMOTIVE (Continued) **1000228710**

Status: Completed - Case Closed
Status Date: 11/27/2002

Global Id: T0607302705
Status: Open - Case Begin Date
Status Date: 03/23/1999

Regulatory Activities:
Global Id: T0607302705
Action Type: Other
Date: 03/23/1999
Action: Leak Began

Global Id: T0607302705
Action Type: Other
Date: 03/23/1999
Action: Leak Discovery

Global Id: T0607302705
Action Type: Other
Date: 03/23/1999
Action: Leak Stopped

Global Id: T0607302705
Action Type: ENFORCEMENT
Date: 07/09/1999
Action: Notice of Responsibility

Global Id: T0607302705
Action Type: Other
Date: 04/02/1999
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT3945
Local Case: H12385-001
Substance: Waste Oil
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 03/23/1999
Date Stopped: 03/23/1999
Confirm Date: 06/29/1999
Submit Workplan: 7/9/99
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /

CLIFF BROWN AUTOMOTIVE (Continued) **1000228710**

Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/02/1999
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 12385
Number: 9
Board Of Equalization: 44-022561
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012385-000001
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 112385
Business Type: 6HK26
EPA Id Number: CAL00087638
APN: 445-211-01-00
Last HMMD Inspection: 01/05/2010
Permit Status: OPEN
Permit Expiration: 07/31/2013
Facility Owner: JALLA INC
Facility Address: 4491 PARK BL
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92116-4035
UST Owner: SABAH ALWAN
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

CLIFF BROWN AUTOMOTIVE (Continued) **1000228710**

UST:

UST Name:	UNDERGROUND TANK 112385 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112385
Tank Type:	SINGLE WALL
Additional Id:	01
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1999-06-29 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	GRAVITY
Monitor Code:	22
UST Monitor Method:	SW TANK (< 551 GALLONS) SW GRAVITY PIPE USING WEEKLY GAUGING: NON-EXEMPT PIPING TEST BIENNIALLY

Active Permits:

Facility Id:	112385
Update Date:	11/02/2012
Case Number:	7440-37-1
Name:	ARGON/CO-2 (COMPRESSED GAS)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	112385
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN-COMPRESSED GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	112385
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING: MOTOR OIL, ATF
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	112385
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id: 112385

CLIFF BROWN AUTOMOTIVE (Continued) **1000228710**

Update Date: 11/02/2012
Case Number: 74-86-2
Name: ACETYLENE GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 112385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 451 DEGREASING SLUDGE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112385
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: ACUTE

Facility Id: 112385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 132 AQUEOUS SOL'N WITH METALS
Other Information: ANTIFREEZE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 444 USED BATTERIES
Other Information: USED LEAD ACID BATTERIES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 112385
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: VORTEX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 112385
Update Date: 11/02/2012
Inspection Date: 09/22/2003

CLIFF BROWN AUTOMOTIVE (Continued) **1000228710**

Violation Code: 6HV1605
Violation: NO DAILY TANK INSPECTION/LOG
Violation Citation: Failed to inspect and/or document daily HW tank system inspections. 66265.195 (c)
Activity: ACTIVE

Facility Id: 112385
Update Date: 11/02/2012
Inspection Date: 09/22/2003
Violation Code: 6HV0202
Violation: WASTE CONTAINER W/O LABELS
Violation Citation: Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity: ACTIVE

SAN DIEGO CO. SAM:
Case Number: H12385-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/27/2002
Date Began: 3/23/1999

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101 **SHOREBREAK** **CA HIST CORTESE** **S101302057**
3612 KURTZ ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SLIC**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1519

LUST:
Region: STATE
Global Id: T0607300339
Latitude: 32.757529
Longitude: -117.211675
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/12/1998
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1519
LOC Case Number: H21154-001
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

SHOREBREAK (Continued) **S101302057**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300339
Status:	Completed - Case Closed
Status Date:	02/12/1998

Global Id:	T0607300339
Status:	Open - Case Begin Date
Status Date:	09/26/1989

Regulatory Activities:

Global Id:	T0607300339
Action Type:	ENFORCEMENT
Date:	01/13/1998
Action:	Closure/No Further Action Letter - #H21154-001

Global Id:	T0607300339
Action Type:	ENFORCEMENT
Date:	09/28/1989
Action:	Notice of Responsibility

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1519
Local Case:	H21154-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	09/26/1989
Date Stopped:	09/26/1989
Confirm Date:	09/26/1989
Submit Workplan:	Not reported
Prelim Assess:	05/09/1990
Desc Pollution:	Not reported
Remed Plan:	09/01/1992
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	09/26/1989
Enforce Date:	Not reported
Closed Date:	2/12/98
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	4.7'
Beneficial Use:	NBNISWOC
NPDES Number:	Not reported

SHOREBREAK (Continued) **S101302057**

Priority: 2A
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	02/12/1998
Global Id:	T0608198857
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21154-002
Latitude:	32.757581
Longitude:	-117.211626
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	* Chlorinated Hydrocarbons
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	207637
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	441-340-03-01
Last HMMD Inspection:	02/03/2009
Permit Status:	OPEN
Permit Expiration:	05/31/2013
Facility Owner:	SOURCE INTERLINK
Facility Address:	27500 RIVER VIEW CENTER BL
Facility City:	BONITA SPRINGS
Facility State:	FL
Facility Zip:	34134
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	207637
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

SHOREBREAK (Continued) **S101302057**

Violations Active Permits:

Facility Id:	207637
Update Date:	11/02/2012
Inspection Date:	01/19/2007
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Facility Id:	207637
Update Date:	11/02/2012
Inspection Date:	01/19/2007
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE

Facility Id:	103570
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	441-340-03-01
Last HMMD Inspection:	03/22/2004
Permit Status:	CHNG
Permit Expiration:	05/31/2007
Facility Owner:	ANDERSON NEWS COMPANY
Facility Address:	2590 LINDSEY PRIVADO
Facility City:	ONTARIO
Facility State:	CA
Facility Zip:	91761-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H21154-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Closed Case
Date:	2/12/1998
Date Began:	9/26/1989

Case Number:	H21154-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Complaint
Facility Status:	Closed Case
Date:	2/12/1998
Date Began:	6/30/1992

101 **SACKETT & PENDLEBURY BOAT BUILDERS** **CA San Diego Co. HMMD** **S110498157**
3630 HANCOCK ST. **CA ENVIROSTOR** **N/A**
SAN DIEGO, CA 92110

SAN DIEGO CO. HMMD:

Facility Id:	209403
Business Type:	6HK77
EPA Id Number:	CAL000334254
APN:	441-530-35-00
Last HMMD Inspection:	07/07/2010
Permit Status:	OPEN
Permit Expiration:	11/30/2013
Facility Owner:	JOE VIRGILIO
Facility Address:	3630 HANCOCK ST # D
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	209403
Update Date:	11/02/2012
Case Number:	67-64-1
Name:	WASTE 212 OXYGENATED SOLVENTS
Other Information:	ACETONE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	209403
Update Date:	11/02/2012
Case Number:	67-63-0
Name:	RESIN SOLUTION
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Violations Active Permits:

Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV1001
Violation:	NO UPF PERMIT FOR HAZMATS
Violation Citation:	A Unified Program Facility permit has not been obtained for hazardous materials. 68.905
Activity:	ACTIVE

Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV0408
Violation:	FAILED TO POST ER PLAN BY PHONE

SACKETT & PENDLEBURY BOAT BUILDERS (Continued) **S110498157**

Violation Citation:	Small quantity generator of hazardous waste failed to post emergency response plan by phone. CFR 262.34(d)(5)(ii)
Activity:	ACTIVE
Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV1004
Violation:	HMBP NOT SUBMITTED TO HMD
Violation Citation:	Hazardous Materials Handler has not submitted a completed Business Plan to the HMMD. HSC 25505(a)
Activity:	ACTIVE
Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity:	ACTIVE
Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV1002
Violation:	HMBP NOT ESTABISHED/IMPLEMENTED.
Violation Citation:	Hazardous materials handler has not established/implemented a business plan. HSC 25503.5(a)
Activity:	ACTIVE
Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV0407
Violation:	EMPLOYEE TRAINING NOT ADEQUATE
Violation Citation:	Employee training program for small quantity generator of hazardous waste is inadequate. CFR 262.34(d)(5)(iii)
Activity:	ACTIVE
Facility Id:	209403
Update Date:	11/02/2012
Inspection Date:	06/10/2008
Violation Code:	6HV0132
Violation:	EPA ID NUMBER NOT OBTAINED/MAINTAINED
Violation Citation:	Generator of hazardous waste has not obtained/maintained an EPA identification number. CCR 66262.12(a)

SACKETT & PENDLEBURY BOAT BUILDERS (Continued) **S110498157**

Activity: ACTIVE

Facility Id: 209403
Update Date: 11/02/2012
Inspection Date: 06/10/2008
Violation Code: 6HV0228
Violation: CONTAINER NOT KEPT CLOSED
Violation Citation: Failed to keep container closed. CFR 265.173
Activity: ACTIVE

ENVIROSTOR:
Facility ID: 37370122
Status: Refer: Other Agency
Status Date: 08/21/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.75824
Longitude: -117.2097
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HANGER PROPERTY
Alias Type: Alternate Name
Alias Name: CAD982360190
Alias Type: EPA Identification Number
Alias Name: 37370122
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: CalSites Validation Program confirms NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/08/1991
Comments: The PA Report was reviewed by Region 4 staff. The property was

SACKETT & PENDLEBURY BOAT BUILDERS (Continued) **S110498157**

purchased in the '70s by Wilber & Betty Hanger. In 1980 they built a commercial building with 4 small warehouses for rent. From 1980 to 1983, Sackett & Pendlebury Boat Builders rented office space. The boat building was done accross the street at Clark Custom Boats. No evidence of any handling of hazardous substances at the site. Staff recommends NFA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/22/1987
Comments: SITE SCREENING DONE NEED MORE INFO ON STORAGE AND DISPOSAL

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/25/1983
Comments: FACILITY IDENTIFIED ID VIA DRIVEBY

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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101 **SACKETT & PENDLEBURY BOAT BUILDERS** **CERC-NFRAP** **1003879271**
3630 HANCOCK ST **CAD982360190**
SAN DIEGO, CA 92110

CERC-NFRAP:
Site ID: 0903101
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13286368.00000
Person ID: 13003854.00000

Contact Sequence ID: 13291963.00000
Person ID: 13003858.00000

Contact Sequence ID: 13297821.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/87
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /

SACKETT & PENDLEBURY BOAT BUILDERS (Continued) **1003879271**

Date Completed: 05/28/90
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 05/28/90
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

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102 **BOYCE INDUSTRIES** **CA HIST CORTESE** **S101481989**
3344 KURTZ ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110 **CA ENVIROSTOR**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: CALSI
Reg Id: 37510093

SAN DIEGO CO. HMMD:
Facility Id: 100497
Business Type: 6HK68
EPA Id Number: Not reported
APN: 441-582-19-00
Last HMMD Inspection: 01/27/2000
Permit Status: INAC
Permit Expiration: 01/27/2000
Facility Owner: ED BOYCE
Facility Address: 1105 POINSETTA ST
Facility City: SANTA ANA
Facility State: CA
Facility Zip: 92701-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

ENVIROSTOR:
Facility ID: 37510093
Status: No Further Action
Status Date: 08/09/1989
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO

BOYCE INDUSTRIES (Continued) **S101481989**

Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.75480
Longitude: -117.2074
APN: NONE SPECIFIED
Past Use: DISTRIBUTOR - CHEMICAL
Potential COC: * DETERGENT & SOAP * UNSPECIFIED ACID SOLUTION * POLYMERIC RESIN WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: SPACE AGE PRODUCTS (3344 KURTZ)
Alias Type: Alternate Name
Alias Name: 37510093
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: CALSITES VALIDATION PROJECT CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 08/09/1989
Comments: DELETED FROM CORTESE PRELIM ASSESS DONE NFA DUE TO NO EVIDENCE OF CONTAMINATION SITE IS ONLY A DISTRIBUTOR OF DETERGENTS AND WASHER PARTS. ORIGINAL ASP ID'D SITE AS SPACE AGE AT 3344, HOWEVER, THE ACTUAL SITE OF DRUM STORAGE IS 3346 KURTZ (BOYCE INDUSTRIES)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/04/1987
Comments: SITE SCREENING DONE EVIDENCE OF SPILLS AND LEAKAGE

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 12/10/1982
Comments: FACILITY IDENTIFIED VIA 66 PHONE BOOK

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

102 **DON POLLOCK EXCAVATING INC** **CA ENVIROSTOR** **1000128087**
3366 KURTZ STREET **N/A**
SAN DIEGO, CA 92110

ENVIROSTOR:

Facility ID:	37170001
Status:	Refer: Other Agency
Status Date:	08/21/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	* CERC2
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	32.75496
Longitude:	-117.2076
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* CONTAMINATED SOIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37170001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/25/1994
Comments:	CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	01/08/1988
Comments:	PRELIM ASSESS DONE NO EVIDENCE U/G TANKS REMOVED PRIOR TO PROPERTY DEVELOPMENT. REFER TO COUNTY U/G TANK PROGRAM FOR NECESSARY FOLLOWUP

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/12/1987
Comments:	SITE SCREENING DONE

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	01/18/1983
Comments:	FACILITY IDENTIFIED ID VIA DRIVEBY FACILITY DRIVE-BY SEVERAL DRUMS OBSERVED STAINED EARTH (PERHAPS OIL) ON SITE GROUND PHOTOS 2 PHOTOS

DON POLLOCK EXCAVATING INC (Continued) **1000128087**

TAKEN-SHOW DRUMS & STAINING

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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102 **DON POLLOCK EXCAVATING** **CERC-NFRAP** **1003879069**
3370 KURTZ ST **CAD982359473**
SAN DIEGO, CA 92110

CERC-NFRAP:

Site ID:	0902577
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	13288313.00000
Person ID:	13003854.00000
Contact Sequence ID:	13293908.00000
Person ID:	13003858.00000
Contact Sequence ID:	13299766.00000
Person ID:	13004003.00000

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	/ /
Date Completed:	11/01/87
Priority Level:	Not reported
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	11/10/88
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	/ /
Date Completed:	11/10/88
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information

102 **LOYOLA TRUCKING INC** **CA SWEEPS UST** **S104748888**
3495 KURTZ ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110 **CA SAN DIEGO CO. SAM**

SWEEPS UST:

Status:	Not reported
Comp Number:	21153
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021153-000001
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	121153
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-121153
Last HMMD Inspection:	12/19/1990
Permit Status:	INAC
Permit Expiration:	12/19/1990
Facility Owner:	GOLDEN CHARIOT TRUCKING
Facility Address:	3495 KURTZ ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4430
UST Owner:	GOLDEN CHARIOT TRUCKING
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121153 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121153
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING

LOYOLA TRUCKING INC (Continued) **S104748888**

ALTERNATIVE DURING INSPECTION.

Facility Id:	119221
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	DEH-119221
Last HMMD Inspection:	02/01/1991
Permit Status:	INAC
Permit Expiration:	02/01/1991
Facility Owner:	WILLIAM PLUMLEY
Facility Address:	3495 KURTZ ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4430
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H19221-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	4/5/2001
Date Began:	3/15/2001

Case Number:	H21153-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	10/1/2001
Date Began:	3/15/2001

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102 **GOLDEN CHARIOT TRUCK LINES** **CA LUST** **U001572840**
3495 KURTZ ST **CA SLIC** **N/A**
SAN DIEGO, CA 92110 **CA HIST UST**

LUST:

Region:	STATE
Global Id:	T0608122119
Latitude:	32.755628
Longitude:	-117.210315
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/01/2001
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H21153-001

GOLDEN CHARIOT TRUCK LINES (Continued) **U001572840**

File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0608122119
Contact Type: Local Agency Caseworker
Contact Name: JAMES CLAY
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261
City: San Diego
Email: james.clay@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0608122119
Status: Completed - Case Closed
Status Date: 10/01/2001

Global Id: T0608122119
Status: Open - Case Begin Date
Status Date: 03/15/2001

Regulatory Activities:
Global Id: T0608122119
Action Type: Other
Date: 03/15/2001
Action: Leak Began

Global Id: T0608122119
Action Type: Other
Date: 03/15/2001
Action: Leak Discovery

Global Id: T0608122119
Action Type: Other
Date: 03/15/2001
Action: Leak Stopped

Global Id: T0608122119
Action Type: ENFORCEMENT
Date: 04/23/2001
Action: Notice of Responsibility

Global Id: T0608122119
Action Type: Other
Date: 03/15/2001
Action: Leak Reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**

GOLDEN CHARIOT TRUCK LINES (Continued) **U001572840**

Status Date:	04/05/2001
Global Id:	T0608180738
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H19221-001
Latitude:	32.755628
Longitude:	-117.210315
Case Type:	Cleanup Program Site
Case Worker:	JC
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000065109
Facility Type:	Other
Other Type:	TRUCKING CO.
Contact Name:	DON FRITZGES
Telephone:	6192983800
Owner Name:	WILLIAM & EDYTHE KENTON, TRUST
Owner Address:	3235 HANCOCK STREET
Owner City,St,Zip:	SAN DIEGO, CA 92110
Total Tanks:	0001

Tank Num:	001
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

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102 **TRUCK TERMINAL** **CA ENVIROSTOR** **S106797709**
3495 KURTS STREET **N/A**
SAN DIEGO, CA 92110

ENVIROSTOR:

Facility ID:	37420016
Status:	Refer: 1248 Local Agency
Status Date:	04/12/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	78

TRUCK TERMINAL (Continued) **S106797709**

Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 32.75557
Longitude: -117.2102
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37420016
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 04/12/2001
Comments: SB 1248 San Diego County

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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102 **GOLDEN BOY PIES OF SAN DIEGO** **CA HIST CORTESE** **S100731965**
3465 HANCOCK ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1678

LUST:
Region: STATE
Global Id: T0607300494
Latitude: 32.756107
Longitude: -117.208746
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/26/1990
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1678
LOC Case Number: H21146-001
File Location: Local Agency

GOLDEN BOY PIES OF SAN DIEGO (Continued) **S100731965**

Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300494
Status: Open - Case Begin Date
Status Date: 04/05/1990

Global Id: T0607300494
Status: Completed - Case Closed
Status Date: 10/26/1990

Regulatory Activities:
Global Id: T0607300494
Action Type: Other
Date: 04/05/1990
Action: Leak Began

Global Id: T0607300494
Action Type: Other
Date: 04/05/1990
Action: Leak Discovery

Global Id: T0607300494
Action Type: Other
Date: 04/05/1990
Action: Leak Stopped

Global Id: T0607300494
Action Type: Other
Date: 04/05/1990
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1678
Local Case: H21146-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 04/05/1990
Date Stopped: 04/05/1990
Confirm Date: 04/05/1990
Submit Workplan: Not reported
Prelim Assess: / /

GOLDEN BOY PIES OF SAN DIEGO (Continued) **S100731965**

Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 04/05/1990
Enforce Date: Not reported
Closed Date: 10/26/90
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 21146
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021146-000001
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 121146
Business Type: Not reported
EPA Id Number: Not reported
APN: 441-582-03-00
Last HMMD Inspection: 11/16/1989
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: GOLDEN BOY PIES OF SAN DIEGO
Facility Address: 3465 HANCOCK ST
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110-4307
UST Owner: SINNER BROTHERS INC
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported

GOLDEN BOY PIES OF SAN DIEGO (Continued) **S100731965**

Generate Medical Waste: Not reported

UST:
- UST Name: UNDERGROUND TANK 121146 T001
- Last Update: 2012-11-02 14:17:38
- Permit Number: 121146
- Tank Type: SINGLE WALL
- Additional Id: AT 1863
- Capacity Gallons: 2000
- UST Contents: REGULAR UNLEADED
- Other Content Info: REGULAR UNLEADED
- Reg Status: REMOVED
- Remove Close Date: 1990-05-04 00:00:00
- Year Installed: Not reported
- Pipe Type: Not reported
- Delivery System: Not reported
- Monitor Code: 05
- UST Monitor Method: SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

SAN DIEGO CO. SAM:
- Case Number: H21146-001
- Agency: DEH Site Assessment & Mitigation
- **Funding:** **LOP - State Fund**
- Facility Type: Soils Only
- Facility Status: Closed Case
- Date: 10/26/1990
- Date Began: 4/5/1990

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102 **XTERMITE INC** **S102431899**
3477 HANCOCK ST **N/A**
SAN DIEGO, CA 92110

CA HIST CORTESE
CA LUST
CA SLIC
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
- Region: CORTESE
- Facility County Code: 37
- Reg By: LTNKA
- Reg Id: 9UT2298

LUST REG 9:
- Region: 9
- Status: Case Closed
- Case Number: 9UT229
- Local Case: H04589-001
- Substance: 0
- Qty Leaked: 0
- Abate Method: Not reported
- Local Agency: San Diego
- How Found: Tank Closure
- How Stopped: Close Tank
- Source: Tank
- Cause: Corrosion
- Lead Agency: Local Agency

XTERMITE INC (Continued) **S102431899**

Case Type: Soil only
Date Found: 10/08/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/08/1986
Enforce Date: Not reported
Closed Date: 10/22/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >8FT
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 10/22/1986
Global Id: T0607301056
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H04589-001
Latitude: 32.756377
Longitude: -117.209079
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT229
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

SWEEPS UST:
Status: Active
Comp Number: 4589
Number: 9
Board Of Equalization: 44-022071
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported

XTERMITE INC (Continued) **S102431899**

Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	4589
Number:	Not reported
Board Of Equalization:	44-022071
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-004589-000001
Tank Status:	Not reported
Capacity:	3000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	104589
Business Type:	6HK18
EPA Id Number:	Not reported
APN:	441-582-02-00
Last HMMD Inspection:	12/27/1999
Permit Status:	INAC
Permit Expiration:	03/31/2000
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	JENSE MEAT CO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 104589 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	104589
Tank Type:	SINGLE WALL
Additional Id:	001
Capacity Gallons:	3000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1987-01-12 00:00:00
Year Installed:	Not reported

XTERMITE INC (Continued) **S102431899**

Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:
Case Number: H04589-001
Agency: DEH Site Assessment & Mitigation
Funding: Private - VAP
Facility Type: Soils Only
Facility Status: Closed Case
Date: 10/22/1986
Date Began: 10/13/1986

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102 **CONTRACTORS EQUIPMENT CORP.** **CA HIST CORTESE** **U001572829**
3860 SHERMAN ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA UST**
CA HIST UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3891

LUST:
Region: STATE
Global Id: T0607302652
Latitude: 32.7559609
Longitude: -117.2077186
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/04/2001
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3891
LOC Case Number: H06013-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302652
Status: Completed - Case Closed
Status Date: 01/04/2001

Global Id: T0607302652
Status: Open - Case Begin Date
Status Date: 01/14/1999

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Regulatory Activities:

Global Id:	T0607302652
Action Type:	Other
Date:	01/14/1999
Action:	Leak Began

Global Id:	T0607302652
Action Type:	Other
Date:	01/14/1999
Action:	Leak Discovery

Global Id:	T0607302652
Action Type:	Other
Date:	01/14/1999
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3891
Local Case:	H06013-001
Substance:	Diesel
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	01/12/1999
Date Stopped:	01/12/1999
Confirm Date:	04/07/1999
Submit Workplan:	4/23/99
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	01/14/1999
Enforce Date:	Not reported
Closed Date:	12/14/00
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	Not reported
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

UST:
Facility ID: H06013
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.75838
Longitude: -117.205823

HIST UST:
Region: STATE
Facility ID: 00000004464
Facility Type: Other
Other Type: RENTAL YARD
Contact Name: WELLS, HENRY OR LLOYD
Telephone: 6192989846
Owner Name: CONTRACTORS EQUIPMENT CORP.
Owner Address: 3860 SHERMAN STREET
Owner City,St,Zip: SAN DIEGO,, CA 92110
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: 1980
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: 1980
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 4
Year Installed: 1980
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 3
Year Installed: 1980
Tank Capacity: 00012000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

SAN DIEGO CO. HMMD:
Facility Id: 207946

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Business Type:	6HK70
EPA Id Number:	CAL000314926
APN:	441-540-13-00
Last HMMD Inspection:	07/18/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	SUNBELT RENTALS, INC
Facility Address:	2341 DEERFIELD DR
Facility City:	FORT MILL
Facility State:	SC
Facility Zip:	29715
UST Owner:	WELLS-SHERMAN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 106013 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 106013 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL
Additional Id:	RT1197, RT2589
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 106013 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT

UST Name:	UNDERGROUND TANK 106013 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	SINGLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15
UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY

UST Name:	UNDERGROUND TANK 106013 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	1000
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING; MOTOR & AFT HYDRAULIC
Other Information:	2 X 200 GAL AST
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON/CO2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GREASE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	UNDERGROUND TANK 106013 T008 WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	74-98-6

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Name:	PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information:	AST USED TO FILL ALL CYLINDERS ON-SITE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	WASTE ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	107-21-1
Name:	ETHYLENE GLYCOL
Other Information:	ANTIFREEZE
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 106013 T004 REGULAR UNLEADED
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 106013 T005 DIESEL
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	DIESEL
Other Information:	UNDERGROUND TANK 106013 T006 DIESEL
Material Waste:	Material

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 207946
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 106013 T007 DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 207946
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 207946
Update Date: 11/02/2012
Inspection Date: 06/03/2010
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation: Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity: ACTIVE

Facility Id: 207946
Update Date: 11/02/2012
Inspection Date: 06/03/2010
Violation Code: 6HV0401
Violation: TRAINING RECORDS UNAVAILABLE
Violation Citation: Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity: ACTIVE

Facility Id: 207946
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV0131
Violation: UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation: A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity: ACTIVE

Facility Id: 207946
Update Date: 11/02/2012
Inspection Date: 06/03/2008
Violation Code: 6HV3192
Violation: NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation: Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/26/2012
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3261
Violation:	DISPENSER CONTAINMENT NOT DRY
Violation Citation:	Dispenser containment not free of liquid. 2631(d)(4)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/09/2009
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	207946

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/09/2009
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)&(d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/26/2012
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0414

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Violation:	DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation:	Failed to train employees annually. 66265.16(c)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/09/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/26/2012
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	207946
Business Type:	6HK70
EPA Id Number:	CAL000314926
APN:	441-540-13-00
Last HMMD Inspection:	07/18/2012
Permit Status:	OPEN
Permit Expiration:	04/30/2013
Facility Owner:	SUNBELT RENTALS, INC
Facility Address:	2341 DEERFIELD DR
Facility City:	FORT MILL
Facility State:	SC
Facility Zip:	29715
UST Owner:	WELLS-SHERMAN
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 106013 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 106013 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL
Additional Id:	RT1197, RT2589
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 106013 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	31B
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ DRY TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 3.0LLD; UDC W/ MECHANICAL FLOAT
UST Name:	UNDERGROUND TANK 106013 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	SINGLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	15

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

UST Monitor Method:	SW TANK DW PRESSURE PIPE W/ SHUTOFF AND ALARM ON LLD AND CERTIFIED ATG: IN-TANK TEST MONTHLY
UST Name:	UNDERGROUND TANK 106013 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	207946
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	1000
UST Contents:	OTHER
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	8002-05-9
Name:	OIL, LUBRICATING; MOTOR & AFT HYDRAULIC
Other Information:	2 X 200 GAL AST
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	74-86-2
Name:	ACETYLENE GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	ARGON/CO2
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	ACUTE

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 888 USED OIL FILTERS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GREASE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL
Other Information:	UNDERGROUND TANK 106013 T008 WASTE OIL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 223 UNSPEC OIL CONTAINING WASTE
Other Information:	OILY ABSORBENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	74-98-6
Name:	PROPANE, LIQUIFIED PETROLEUM COMPRESSED GAS
Other Information:	AST USED TO FILL ALL CYLINDERS ON-SITE
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 135 UNSPECIFIED AQUEOUS SOL'N
Other Information:	WASTE ANTIFREEZE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	207946
Update Date:	11/02/2012
Case Number:	107-21-1

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Name: ETHYLENE GLYCOL
Other Information: ANTIFREEZE
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 207946
Update Date: 11/02/2012
Case Number: Not reported
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 106013 T004 REGULAR UNLEADED
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 207946
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 106013 T005 DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 207946
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 106013 T006 DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 207946
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 106013 T007 DIESEL
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 207946
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information: SUMP SLUDGE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 207946
Update Date: 11/02/2012
Inspection Date: 06/03/2010
Violation Code: 6HV3107
Violation: MONITORING PROCEDURES NOT AVAIL/TO HMD

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2010
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0131
Violation:	UPF Permit NOT OBTAINED for HAZWASTE
Violation Citation:	A Unified Program Facility permit has not been obtained for the generation of hazardous waste. 68.905
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/26/2012
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3261
Violation:	DISPENSER CONTAINMENT NOT DRY
Violation Citation:	Dispenser containment not free of liquid. 2631(d)(4)

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1601
Violation:	HAZWASTE TANKS W/O P.E. ASSESSMENT
Violation Citation:	Failed to obtain a P.E. assessment for hazardous waste tank system. 66265.191(a) or 66265.192(a)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV3411
Violation:	LLD NOT INSTALLED/NOT FUNCTIONAL
Violation Citation:	DOUBLE WALLED PRESSURIZED PIPING-Including Under Dispenser Containment (UDC):Line leak detector is not installed, not functional, or not tested. 2636(f)(2), 25284.1(a)(4)(C), 2641(j)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3193
Violation:	NO TRAINING/RECORD INCOMPLETE-NOT ONSITE
Violation Citation:	Facility employee(s) are not trained, training records are incomplete, and/or not onsite. 2715(f)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0208
Violation:	STORAGE AREA: NO WEEKLY INSPECTION
Violation Citation:	Hazardous waste storage area is not being inspected weekly for deteriorated or leaking containers CCR 66265.174
Activity:	ACTIVE

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/09/2009
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/15/2011
Violation Code:	6HV0402
Violation:	TRAINING PROGRAM NOT ADEQUATE
Violation Citation:	Personnel training is not adequate to ensure compliance with hazardous waste regulations. CCR 66265.16(a)&(b)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/09/2009
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE

Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)&(d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE

Facility Id:	207946

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/26/2012
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0414
Violation:	DID NOT TRAIN EMPLOYEES ANNUALLY
Violation Citation:	Failed to train employees annually. 66265.16(c)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/09/2009
Violation Code:	6HV3252
Violation:	AUDIO&VISUAL ALARMS NOT WORKING OK
Violation Citation:	All audible and/or visual alarms not functioning properly. 2632(c)(2)(B), 2636(f)(1)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3104
Violation:	FORMS A & B NOT AVAIL./SUBMITTED
Violation Citation:	CUPA UST form(s) A and/or B not available/complete/submitted to HMD. 25286(a); 2711
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/22/2007
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/26/2012
Violation Code:	6HV3106
Violation:	NO OWNER/OPERATOR AGREEMENT
Violation Citation:	Owner/operator agreement not available/complete/submitted to HMD. 25284(a)(3); 2620(b)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	07/18/2012
Violation Code:	6HV1012
Violation:	SPCC PLAN NOT PREPARED
Violation Citation:	Spill Prevention Countermeasures & Control Plan not prepared as required. 25270.5 (c)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3258
Violation:	SENSORS NOT AT LOW POINT OR ADEQUATELY
Violation Citation:	Sensors not placed adequately and/or at low point in sumps. 2641(a), 25291(a)(7)(C)
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV3105
Violation:	NO CURRENT FINANCIAL RESPONSIBILITY
Violation Citation:	Current evidence of financial responsibility not available. 25292.2(a), 25299.33; 2809
Activity:	ACTIVE
Facility Id:	207946
Update Date:	11/02/2012
Inspection Date:	06/03/2008
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

Activity:	ACTIVE
Facility Id:	106013
Business Type:	6HK70
EPA Id Number:	CAL000182482
APN:	441-540-13-00
Last HMMD Inspection:	01/27/2000
Permit Status:	CHNG
Permit Expiration:	03/31/2003
Facility Owner:	CONTRACTORS EQUIPMENT CORP.
Facility Address:	3860 SHERMAN ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4322
UST Owner:	CONTRACTORS EQUIPMENT CORP
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 106013 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	106013
Tank Type:	UNKNOWN
Additional Id:	2
Capacity Gallons:	7500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 106013 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	106013
Tank Type:	UNKNOWN
Additional Id:	4
Capacity Gallons:	7500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1986-11-08 00:00:00
Year Installed:	1980-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

UST Name:	UNDERGROUND TANK 106013 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	106013
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 106013 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	106013
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 106013 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	106013
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 106013 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	106013
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	12000

CONTRACTORS EQUIPMENT CORP. (Continued) **U001572829**

UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1980-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	20
UST Monitor Method:	DW TANK DW PRESSURE PIPE W/ SHUT OFF AND ALARM ON LINE LEAK DETECTOR: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 106013 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	106013
Tank Type:	DOUBLE WALL
Additional Id:	RT1197
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1987-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

SAN DIEGO CO. SAM:

Case Number:	H06013-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/4/2001
Date Began:	1/14/1999

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102 **PHOTIC OF SAN DIEGO** **CA San Diego Co. HMMD** **1000411423**
3515 HANCOCK STREET **CA ENVIROSTOR** **N/A**
SAN DIEGO, CA 92110

SAN DIEGO CO. HMMD:

Facility Id:	111933
Business Type:	6HK38
EPA Id Number:	CAD982013815
APN:	441-530-51-00
Last HMMD Inspection:	12/09/2004
Permit Status:	INAC
Permit Expiration:	05/31/2005
Facility Owner:	BURRELL COLOUR INC
Facility Address:	P O BOX 80487
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92138-0487
UST Owner:	Not reported
Handle Regulated Hazmat:	Y

PHOTIC OF SAN DIEGO (Continued) **1000411423**

Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Y
Generate Medical Waste: Not reported

ENVIROSTOR:
Facility ID: 71002960
Status: Inactive - Needs Evaluation
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.75706
Longitude: -117.2089
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD982013815
Alias Type: EPA Identification Number
Alias Name: 71002960
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

102 **BURKE CO THE 08**
3870 HOUSTON ST
SAN DIEGO, CA 92110

CERC-NFRAP 1000268195
RCRA-SQG CAD084240761
FINDS
CA NPDES
CA ENVIROSTOR

CERC-NFRAP:
Site ID: 0903106
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 13286466.00000
Person ID: 13003854.00000

Contact Sequence ID: 13292061.00000
Person ID: 13003858.00000

Contact Sequence ID: 13297919.00000
Person ID: 13004003.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: BURKE CO
Alias Address: Not reported
CA

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: / /
Date Completed: 12/01/87
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 11/14/88
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 11/14/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: BURKE CO THE 08
Facility address: 3870 HOUSTON ST
SAN DIEGO, CA 92110
EPA ID: CAD084240761
Mailing address: HOUSTON ST
SAN DIEGO, CA 92110
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported

BURKE CO THE 08 (Continued) **1000268195**

EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: H L WELLS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055809889

Environmental Interest/Information System
STATE MASTER

Registry ID: 110002661584

BURKE CO THE 08 (Continued) **1000268195**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NPDES:

Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	401913
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I022541
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/03/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Gate Gourmet
Discharge Address:	11710 Plaza America Dr Ste 800
Discharge City:	Reston
Discharge State:	Virginia
Discharge Zip:	20190
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported

BURKE CO THE 08 (Continued) **1000268195**

DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	401913
Order No:	Not reported
Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I022541
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	02/23/2010
PROCESSED DATE:	03/03/2010
STATUS CODE NAME:	Active
STATUS DATE:	03/03/2010
PLACE SIZE:	2.9
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Kim Rentschler
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-497-2425

BURKE CO THE 08 (Continued) **1000268195**

FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Gate Gourmet
OPERATOR ADDRESS:	11710 Plaza America Dr Ste 800
OPERATOR CITY:	Reston
OPERATOR STATE:	Virginia
OPERATOR ZIP:	20190
OPERATOR CONTACT NAME:	Dick Davis
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	703-964-2343
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	San Diego Bay
CERTIFIER NAME:	Richard C Davis
CERTIFIER TITLE:	Manager
CERTIFICATION DATE:	15-FEB-10
PRIMARY SIC:	5812-Eating and Drinking Places
SECONDARY SIC:	4212-Local Trucking Without Storage
TERTIARY SIC:	Not reported

ENVIROSTOR:

Facility ID:	37290006
Status:	No Further Action
Status Date:	02/24/1987
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO

BURKE CO THE 08 (Continued) **1000268195**

Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 32.75745
Longitude: -117.2078
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: 31000-NO
Potential Description: NMA
Alias Name: 37290006
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/17/1994
Comments: CALSITES VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/28/1988
Comments: PRELIM ASSESS DONE NO FURTHER ACTION NEVER GENERATED HAZ. WASTE. NO RECORD OF ANY PROBLEMS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/24/1987
Comments: SITE SCREENING DONE PA RECOM BASED ON DISCH OF UNDETERMINED FLUID AND STAINS ON PAVEMENT

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/18/1983
Comments: FACILITY IDENTIFIED ID VIA DRIVE-BY FACILITY DRIVE-BY STREAM OF UNDETERMINED FLUID RUNNING OFFSITE UNDER FENCE. LARGE LOT CONTAINS MANY NEW DRUMS.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

BURKE CO THE 08 (Continued) **1000268195**

Schedule Revised Date: Not reported

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102 **SAN DIEGO GUN TOWER #3** **CA ENVIROSTOR** **S107737237**
N/A

SAN DIEGO, CA

ENVIROSTOR:
Facility ID: 80000454
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 32.75833
Longitude: -117.2083
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F560300
Alias Type: Federal Facility ID
Alias Name: J09CA0601
Alias Type: INPR
Alias Name: 80000454
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

103 **CAVIGNAC PROPERTY** **CA HIST CORTESE** **S104539614**
4314 ALTAMIRANO WAY **CA LUST** **N/A**
SAN DIEGO, CA 92103

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3925

LUST:

Region:	STATE
Global Id:	T0607302685
Latitude:	32.7570849
Longitude:	-117.191439
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	01/25/2000
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3925
LOC Case Number:	H38567-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607302685
Status:	Completed - Case Closed
Status Date:	01/25/2000

Global Id:	T0607302685
Status:	Open - Case Begin Date
Status Date:	05/05/1999

Regulatory Activities:

Global Id:	T0607302685
Action Type:	Other
Date:	05/05/1999
Action:	Leak Began

Global Id:	T0607302685
Action Type:	Other
Date:	05/05/1999
Action:	Leak Discovery

Global Id:	T0607302685
Action Type:	ENFORCEMENT
Date:	01/05/2000
Action:	Closure/No Further Action Letter - #H38567-001

Global Id:	T0607302685
Action Type:	Other
Date:	05/05/1999
Action:	Leak Stopped

CAVIGNAC PROPERTY (Continued) **S104539614**

Global Id: T0607302685
Action Type: Other
Date: 05/05/1999
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3925
Local Case: H38567-001
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 05/05/1999
Date Stopped: 05/05/1999
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 05/05/1999
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/05/1999
Enforce Date: Not reported
Closed Date: 2/25/00
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: >9'
Beneficial Use: MUNBU
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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103 **JEFF & CINDY CAVIGNAC** **CA San Diego Co. HMMD** **S104756868**
4314 ALTAMIRANO WY **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92103

SAN DIEGO CO. HMMD:
Facility Id: 138567
Business Type: 6HK20
EPA Id Number: Not reported
APN: 442-670-18-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: 04/27/2002

JEFF & CINDY CAVIGNAC (Continued) **S104756868**

Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 138567 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	138567
Tank Type:	SINGLE WALL
Additional Id:	AT4432
Capacity Gallons:	550
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-05-05 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H38567-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/25/2000
Date Began:	5/5/1999

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104 **HOWARD TAYLOR DODGE** **CA LUST** **S100233086**
3740 ROSECRANS ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110

LUST REG 9:

Region:	9
Status:	Preliminary site assessment workplan submitted
Case Number:	9UT1604
Local Case:	H12788-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Subsurface Monitoring
How Stopped:	Not reported
Source:	Unknown
Cause:	Unknown

HOWARD TAYLOR DODGE (Continued) **S100233086**

Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	12/15/1989
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	12/15/89
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	12/15/1989
Enforce Date:	Not reported
Closed Date:	Not reported
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.10
GW Depth:	10’
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	Not reported
File Dispn:	File discarded, case closed
Interim Remedial Actions:	No
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	112788
Business Type:	Not reported
EPA Id Number:	CAX000076059
APN:	441-600-04-00
Last HMMD Inspection:	01/15/1987
Permit Status:	INAC
Permit Expiration:	01/15/1987
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

---

104 **SPORTS ARENA DODGE** **CA HIST CORTESE** **S100178497**
3740 ROSECRANS **CA SLIC** **N/A**
SAN DIEGO, CA 92110 **CA Notify 65**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1604

SPORTS ARENA DODGE (Continued) **S100178497**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/01/1998
Global Id:	T0607300425
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12788-001
Latitude:	32.752331
Longitude:	-117.2041145
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1604
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92110-3126

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104 **ALAN JOHNSON DODGE,INC.** **CA SAN DIEGO CO. SAM** **S108406937**
3740 ROSECRANS ST **N/A**
SAN DIEGO, CA 92110

SAN DIEGO CO. SAM:

Case Number:	H12788-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	GW With No Beneficial Use Designation
Facility Status:	Closed Case
Date:	9/1/1998
Date Began:	12/15/1989

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104 **NRC ENVIRONMENTAL SERVICES INC** **CA NPDES** **S102437963**
2950 KURTZ ST **CA HIST CORTESE** **N/A**
SAN DIEGO, CA 92110 **CA LUST**
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

NPDES:

Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	406382
Order No:	Not reported

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

Regulatory Measure Type:	Industrial
Place Id:	Not reported
WDID:	9 37I022804
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	08/30/2010
PROCESSED DATE:	08/30/2010
STATUS CODE NAME:	Active
STATUS DATE:	08/30/2010
PLACE SIZE:	1.46
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Jorge Uraga
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	619-235-3327
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	NRC Environmental Services Inc
OPERATOR ADDRESS:	2950 Kurtz St
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92110
OPERATOR CONTACT NAME:	Jorge Uraga
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	619-235-3327
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	California
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Pacific Ocean San Diego Bay
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	1799-Special Trade Contractors, NEC
SECONDARY SIC:	4212-Local Trucking Without Storage
TERTIARY SIC:	Not reported
Npdes Number:	CAS000001
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	406382
Order No:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37I022804
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/30/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	NRC Environmental Services Inc
Discharge Address:	2950 Kurtz St
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92110
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1828

LUST:

Region:	STATE
Global Id:	T0607300612
Latitude:	32.751964
Longitude:	-117.202851
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	04/10/1991
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1828
LOC Case Number:	H22793-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300612
Status:	Open - Case Begin Date
Status Date:	09/25/1990

Global Id:	T0607300612
Status:	Completed - Case Closed
Status Date:	04/10/1991

Regulatory Activities:

Global Id:	T0607300612
Action Type:	Other
Date:	09/25/1990
Action:	Leak Began

Global Id:	T0607300612
Action Type:	Other
Date:	09/25/1990
Action:	Leak Discovery

Global Id:	T0607300612
Action Type:	Other
Date:	09/25/1990
Action:	Leak Stopped

Global Id:	T0607300612
Action Type:	Other
Date:	09/25/1990
Action:	Leak Reported

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT1828
Local Case:	H22793-001
Substance:	Waste Oil
Qty Leaked:	Not reported
Abate Method:	No Action Required - incident is minor, requiring no remedial action
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Other Means
Source:	Tank
Cause:	Corrosion
Lead Agency:	Local Agency
Case Type:	Other ground water affected
Date Found:	09/25/1990
Date Stopped:	09/25/1990
Confirm Date:	09/25/1990
Submit Workplan:	9/26/90
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

Began Monitor: Not reported
Release Date: 09/25/1990
Enforce Date: Not reported
Closed Date: 3/25/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 75
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 29856
Number: 9
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-029856-000001
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: 1

Status: Not reported
Comp Number: 22793
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-022793-000001
Tank Status: Not reported
Capacity: 500
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 206659
Business Type: 6HK27
EPA Id Number: CAL000295149
APN: 441-560-02-00

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

Last HMMD Inspection:	02/25/2008
Permit Status:	INAC
Permit Expiration:	01/31/2009
Facility Owner:	JOE C GARDON
Facility Address:	PO BOX 81847
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92138-1847
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	122793
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	441-560-02-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	08/31/2002
Facility Owner:	FOUR SHER DEVELOPMENT
Facility Address:	990 HIGHLAND DR
Facility City:	SOLANA BEACH
Facility State:	CA
Facility Zip:	92075-2472
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 122793 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	122793
Tank Type:	UNKNOWN
Additional Id:	AT2061
Capacity Gallons:	500
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1990-09-25 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Facility Id:	210393
Business Type:	6HK70
EPA Id Number:	CAR000171249

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

APN:	441-560-02-00
Last HMMD Inspection:	02/27/2009
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	NRC ENVIRONMENTAL SERVICES, INC
Facility Address:	2950 KURTZ ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	210393
Update Date:	11/02/2012
Case Number:	Not reported
Name:	BUTOXYETHANOL
Other Information:	SIMPLE GREEN
Material Waste:	Material
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	210393
Update Date:	11/02/2012
Case Number:	Not reported
Name:	GRADE D BREATHING AIR
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	210393
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	210393
Update Date:	11/02/2012
Case Number:	68476-85-7
Name:	PROPANE
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	210393
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 221 WASTE OIL & MIXED OIL

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212183
Business Type: 6HK26
EPA Id Number: Not reported
APN: 441-560-02-00
Last HMMD Inspection: 06/22/2010
Permit Status: OPEN
Permit Expiration: 09/30/2013
Facility Owner: ABEER NAMOO
Facility Address: 2950 KURTZ ST #F
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92110
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Active Permits:

Facility Id: 212183
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 888 USED OIL FILTERS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212183
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 342 ORGANIC LIQUIDS W/METALS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212183
Update Date: 11/02/2012
Case Number: Not reported
Name: AIR, COMPRESSED
Other Information: Not reported
Material Waste: Not reported
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 212183
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL

NRC ENVIRONMENTAL SERVICES INC (Continued) **S102437963**

Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Click this hyperlink while viewing on your computer to access additional CA_HMMD: detail in the EDR Site Report.

SAN DIEGO CO. SAM:

Case Number:	H22793-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	4/10/1991
Date Began:	9/25/1990

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104 **CALIFORNIA SPORTS CARS** **CA HIST CORTESE** **S100735994**
3750 ROSECRANS ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2088

LUST:

Region:	STATE
Global Id:	T0607300857
Latitude:	32.7524003
Longitude:	-117.2038057
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/17/1992
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2088
LOC Case Number:	H32113-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300857
Status:	Open - Case Begin Date
Status Date:	09/05/1991

Global Id:	T0607300857
Status:	Completed - Case Closed

CALIFORNIA SPORTS CARS (Continued) **S100735994**

Status Date: 02/17/1992

Regulatory Activities:

Global Id: T0607300857
Action Type: Other
Date: 09/05/1991
Action: Leak Began

Global Id: T0607300857
Action Type: Other
Date: 09/05/1991
Action: Leak Discovery

Global Id: T0607300857
Action Type: Other
Date: 09/05/1991
Action: Leak Stopped

Global Id: T0607300857
Action Type: ENFORCEMENT
Date: 11/21/1991
Action: Notice of Responsibility

Global Id: T0607300857
Action Type: Other
Date: 10/04/1991
Action: Leak Reported

LUST REG 9:

Region: 9
Status: Case Closed
Case Number: 9UT2088
Local Case: H32113-001
Substance: Unleaded Gasoline
Qty Leaked: 0
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 11/20/1991
Date Stopped: 11/20/1991
Confirm Date: 09/05/1991
Submit Workplan: 11/21/91
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 11/20/1991
Enforce Date: Not reported

CALIFORNIA SPORTS CARS (Continued) **S100735994**

Closed Date: 2/17/92
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.10
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 32113
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-032113-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

SAN DIEGO CO. HMMD:
Facility Id: 132113
Business Type: 6HK03
EPA Id Number: Not reported
APN: 441-570-26-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: SECURITY PAC BK/JC FOSTER
Facility Address: 555 ANTON BL #300
Facility City: COSTA MESA
Facility State: CA
Facility Zip: 92626-
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 132113 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 132113
Tank Type: UNKNOWN

CALIFORNIA SPORTS CARS (Continued) **S100735994**

Additional Id:	AT2432
Capacity Gallons:	550
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1991-11-20 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H32113-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/17/1992
Date Began:	9/5/1991

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104 **MIDAS MUFFLER SHOP** **RCRA-SQG** **1000157534**
3848 CAMINO DEL RIO WEST **CA SLIC** **CAD981166697**
SAN DIEGO, CA 92110 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	MIDAS MUFFLER SHOP
Facility address:	3848 CAMINO DEL RIO WEST SAN DIEGO, CA 92110
EPA ID:	CAD981166697
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	RA AND JOAN POLITTE
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner

MIDAS MUFFLER SHOP (Continued) **1000157534**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/07/1989
Site name: MIDAS MUFFLER SHOP
Classification: Large Quantity Generator

Violation Status: No violations found

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 09/14/1994
Global Id: T0608122857
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H30715-001
Latitude: 32.753784
Longitude: -117.2053
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

MIDAS MUFFLER SHOP (Continued) **1000157534**

SWEEPS UST:

Status:	Not reported
Comp Number:	30715
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-030715-000001
Tank Status:	Not reported
Capacity:	260
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	1

SAN DIEGO CO. HMMD:

Facility Id:	130715
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	441-570-08-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	01/31/2002
Facility Owner:	MIDAS
Facility Address:	3848 W CAMINO DEL RIO
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-4405
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 130715 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	130715
Tank Type:	UNKNOWN
Additional Id:	00001
Capacity Gallons:	260
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-12-27 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

MIDAS MUFFLER SHOP (Continued) **1000157534**

SAN DIEGO CO. SAM:
Case Number: H30715-001
Agency: DEH Site Assessment & Mitigation
Funding: Private - VAP
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/14/1994
Date Began: 9/14/1994

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104 **COUNTY OF SD PSYCHIATRIC HOSP.** **CA UST** **U003789838**
3851 ROSECRANS ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA CHMIRS**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

UST:
Facility ID: H26500
Permitting Agency: SAN DIEGO COUNTY
Latitude: 32.753913
Longitude: -117.200389

SWEEPS UST:
Status: Active
Comp Number: 26500
Number: 9
Board Of Equalization: 44-022035
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-026500-000004
Tank Status: A
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 1

CHMIRS:
OES Incident Number: 11-2153
OES notification: 04/03/2011
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1100
Year:	2011
Agency:	City of San Diego
Incident Date:	4/3/2011
Admin Agency:	San Diego County Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Raw Sewage
Quantity Released:	120
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states a sewer main line break resulted in the release of substance from a man hole. All of the release was cleaned up and recovered.

SAN DIEGO CO. HMMD:

Facility Id:	132542
Business Type:	6HK58

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

EPA Id Number:	CAL921125531
APN:	441-560-25-00
Last HMMD Inspection:	04/11/2012
Permit Status:	OPEN
Permit Expiration:	03/31/2013
Facility Owner:	COUNTY OF SAN DIEGO
Facility Address:	3851 ROSECRANS ST ROOM #9 MS: P579
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Active Permits:

Facility Id:	132542
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM GAS
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported

Facility Id:	132542
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LABORATORY WASTE CHEMICALS
Other Information:	TOXIC LIQUID / INSULIN
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	132542
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 551 LIQUID WASTE STAIN
Other Information:	ETHYL ALCOHOL/ ACID
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	132542
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB
Other Information:	ONSITE TREATMENT
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	132542
Update Date:	11/02/2012
Case Number:	68476-34-6

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

Name: DIESEL
Other Information: 2 GENERATORS 250 & 750 GALLONS & 2 PORTABLES
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 132542
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN GAS
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 132542
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: SHARPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132542
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 ACETONE, XYLENE WASTE MIXTURE
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132542
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 LIQUID WASTE STAIN
Other Information: ETHYL ALCOHOL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132542
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: GRAM STAIN WST-CRYSTAL VIDEK, SAFRANINE O-IODINE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 132542
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS*
Other Information: TOXIC LIQUID / NICOTINE
Material Waste: Waste

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:

Facility Id: 132542
Update Date: 11/02/2012
Inspection Date: 11/16/2007
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Facility Id: 132542
Update Date: 11/02/2012
Inspection Date: 11/16/2007
Violation Code: 6HV0225
Violation: ACCUMULATED HW>180 OR >270 DAYS
Violation Citation: Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity: ACTIVE

Facility Id: 132542
Update Date: 11/02/2012
Inspection Date: 09/16/2005
Violation Code: 6HV4351
Violation: LQG:MWMP NOT SUBMITTED TO HMD
Violation Citation: Medical Waste Management Plan has not been submitted to County HMD (Initial Submission/updates)(LQG). 117960, 117970
Activity: ACTIVE

Facility Id: 132542
Update Date: 11/02/2012
Inspection Date: 09/16/2005
Violation Code: 6HV1006
Violation: HMBP: INVENTORY INADEQUATE
Violation Citation: Business Plan inventory does not list all hazardous materials on site in disclosable quantities. HSC 25504(a),25503.5
Activity: ACTIVE

Facility Id: 132542
Update Date: 11/02/2012
Inspection Date: 11/17/2006
Violation Code: 6HV4304
Violation: LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation: Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity: ACTIVE

Facility Id: 132542
Update Date: 11/02/2012
Inspection Date: 04/14/2011
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/14/2011
Violation Code:	6HV4353
Violation:	LQG:NO MW DISPOSAL RECORDS FOR 3 YRS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 3 years (LQG). 117975
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	09/16/2005
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	11/17/2006
Violation Code:	6HV4211
Violation:	RED BAGS NOT TIED OFF
Violation Citation:	Red bags not tied-off to prevent leakage or expulsion of contents during handling and storage. 118280(a)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/14/2011
Violation Code:	6HV0217
Violation:	HAZMAT CON. NOT REPACKAGED WI 96 HRS.
Violation Citation:	Failed to repackage damaged/deteriorated hazardous material container within 96 hours. 25124(b)(3)(B) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	11/16/2007
Violation Code:	6HV4304
Violation:	LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation:	Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	11/17/2006
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	ACTIVE

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/14/2011
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/14/2011
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE

Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	09/16/2005
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	ACTIVE

Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/11/2012
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	11/16/2007
Violation Code:	6HV0227
Violation:	HAZWASTE TANK/CONTAINER W/O LABEL/DATE
Violation Citation:	Failed to properly label/date hazardous waste container &/or tank. 66262.34(f)
Activity:	ACTIVE

Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	09/16/2005
Violation Code:	6HV4501
Violation:	NO TREATMENT PERMIT FOR MEDICAL WASTE
Violation Citation:	Operator has not obtained/renewed an onsite medical waste treatment permit from the County. 117950, 118130, 118135, 65620, 65623
Activity:	ACTIVE

Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	09/16/2005

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	09/16/2005
Violation Code:	6HV4422
Violation:	PHARM WASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding pharmaceutical waste with the words -incineration only- or other approved markings on the lid and side. 118275(g)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/14/2011
Violation Code:	6HV0138
Violation:	NO TSDF SIGNED MANIFEST ONSITE
Violation Citation:	Generator has not maintained the required signed copy of the hazardous waste manifest from the TSD facility on site for review. CCR 66262.40(a)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	11/16/2007
Violation Code:	6HV4253
Violation:	THERMOM: NO ANNUAL CALIBRATION
Violation Citation:	Did not have recording thermometer checked for calibration annually. 118215(2)(B)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	09/16/2005
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	11/17/2006
Violation Code:	6HV0133
Violation:	MANIFEST COPY NOT SENT TO DTSC
Violation Citation:	Generator of hazardous waste has not sent the appropriate copy of the manifest to DTSC/Cal-EPA. CCR 66262.23(a)(4)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/14/2011

COUNTY OF SD PSYCHIATRIC HOSP. (Continued) **U003789838**

Violation Code:	6HV4254
Violation:	THERMOM: NO CALIBRATION RECORDS -3YRS
Violation Citation:	Generator did not maintain records of annual thermometer calibration checks onsite for at least the past 3 years. 118215(2)(B)
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	11/16/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	132542
Update Date:	11/02/2012
Inspection Date:	04/14/2011
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

SAN DIEGO CO. SAM:

Case Number:	TS-1987-01-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**County of San Diego**
Facility Type:	TS
Facility Status:	Closed Case
Date:	6/10/1987
Date Began:	2/20/1987

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104 **CALLAHAN BROS CONSTRUCTION** **CA HIST CORTESE** **S100731976**
3025 MOORE ST **CA LUST** **N/A**
SAN DIEGO, CA 92110 **CA SWEEPS UST**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT1069

LUST:

Region:	STATE
Global Id:	T0607300081
Latitude:	32.7541505
Longitude:	-117.203024
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	09/26/1988
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported

CALLAHAN BROS CONSTRUCTION (Continued) **S100731976**

RB Case Number: 9UT1069
LOC Case Number: H21159-001
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300081
Status: Open - Case Begin Date
Status Date: 08/31/1988

Global Id: T0607300081
Status: Completed - Case Closed
Status Date: 09/26/1988

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1069
Local Case: H21159-001
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 08/16/1988
Date Stopped: 08/16/1988
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 09/01/1988
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 09/01/1988
Enforce Date: Not reported
Closed Date: 9/26/88
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: Not reported
GW Depth: 20 F
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

CALLAHAN BROS CONSTRUCTION (Continued) **S100731976**

SWEEPS UST:

Status:	Active
Comp Number:	21159
Number:	9
Board Of Equalization:	44-023462
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21159
Number:	Not reported
Board Of Equalization:	44-023462
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021159-000001
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	21159
Number:	Not reported
Board Of Equalization:	44-023462
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021159-000002
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21159
Number:	Not reported
Board Of Equalization:	44-023462
Referral Date:	Not reported

CALLAHAN BROS CONSTRUCTION (Continued) **S100731976**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021159-000003
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	OTHER
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	21159
Number:	Not reported
Board Of Equalization:	44-023462
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-021159-000004
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	121159
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	441-570-15-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	CALLAHAN BROS
Facility Address:	3025 MOORE ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92110-3119
UST Owner:	CALLAHAN BROS
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121159 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121159
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	1000

CALLAHAN BROS CONSTRUCTION (Continued) **S100731976**

UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-16 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121159 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	121159
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	1000
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1988-08-16 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121159 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	121159
Tank Type:	SINGLE WALL
Additional Id:	3
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1988-08-16 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 121159 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	121159
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	1000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1988-08-16 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported

CALLAHAN BROS CONSTRUCTION (Continued) **S100731976**

Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:
Case Number: H21159-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/26/1988
Date Began: 8/16/1988

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104 **ARCO SERVICE STATION** **CA LUST** **S100729150**
3720 CAMINO DEL RIO W **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92110 **CA SAN DIEGO CO. SAM**

LUST REG 9:
Region: 9
Status: Remedial action (cleanup) Underway
Case Number: 9UT41
Local Case: NT0037
Substance: Gasoline
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Not reported
Source: Piping
Cause: Not reported
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: / /
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: 9/6/84
Began Monitor: Not reported
Release Date: 09/07/1984
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: Not reported
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

ARCO SERVICE STATION (Continued) **S100729150**

SWEEPS UST:

Status:	Active
Comp Number:	13263
Number:	9
Board Of Equalization:	44-022742
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13263
Number:	Not reported
Board Of Equalization:	44-022742
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013263-000001
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	13263
Number:	Not reported
Board Of Equalization:	44-022742
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013263-000002
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13263
Number:	Not reported
Board Of Equalization:	44-022742
Referral Date:	Not reported

ARCO SERVICE STATION (Continued) **S100729150**

Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013263-000003
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	13263
Number:	Not reported
Board Of Equalization:	44-022742
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-013263-000004
Tank Status:	Not reported
Capacity:	4000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H13263-001
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Closed Case
Date:	6/7/2002
Date Began:	9/6/1984

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104 **TEXACO/CAMINO DEL RIO WEST** **CA LUST** **S103286516**
3711 CAMINO DEL RIO W **N/A**
SAN DIEGO, CA 92110

LUST REG 9:

Region:	9
Status:	Preliminary site assessment underway
Case Number:	9UT3658
Local Case:	H21148-005
Substance:	Waste Oil
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only

TEXACO/CAMINO DEL RIO WEST (Continued) **S103286516**

Date Found: 03/17/1998
Date Stopped: 03/17/1998
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 06/09/1998
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/07/1998
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 3A
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

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104 **TEXACO SERVICE STATION** **CA LUST** **S100731967**
3711 CAMINO DEL RIO W **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92116 **CA EMI**
CA SAN DIEGO CO. SAM

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2537
Local Case: H21148-003
Substance: 0
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Subsurface Monitoring
How Stopped: Not reported
Source: Piping
Cause: Loose Fitting
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/12/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/12/1986
Enforce Date: Not reported
Closed Date: 1/20/87
Enforce Type: Not reported
Pilot Program: LOP

TEXACO SERVICE STATION (Continued) **S100731967**

Basin Number: 907.11
GW Depth: 7'
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

Region: 9
Status: Case Closed
Case Number: 9UT552
Local Case: H21148-002
Substance: Waste Oil
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Regional Board
Case Type: Soil only
Date Found: 08/08/1986
Date Stopped: 08/08/1986
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 09/02/1986
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/08/1986
Enforce Date: Not reported
Closed Date: 10/6/93
Enforce Type: Not reported
Pilot Program: UST
Basin Number: 907.11
GW Depth: 7'
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File archived, case closed and file moved to storage
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 21148
Number: 9
Board Of Equalization: 44-023454
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported

TEXACO SERVICE STATION (Continued) **S100731967**

SWRCB Tank Id: 37-000-021148-000002
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 5

Status: Active
Comp Number: 21148
Number: 9
Board Of Equalization: 44-023454
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021148-000003
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 21148
Number: 9
Board Of Equalization: 44-023454
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021148-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 21148
Number: 9
Board Of Equalization: 44-023454
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021148-000005
Tank Status: A
Capacity: 12000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P

TEXACO SERVICE STATION (Continued) **S100731967**

Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 21148
Number: 9
Board Of Equalization: 44-023454
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021148-000006
Tank Status: A
Capacity: 550
Active Date: Not reported
Tank Use: PETROLEUM
STG: W
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 21148
Number: Not reported
Board Of Equalization: 44-023454
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-021148-000001
Tank Status: Not reported
Capacity: 150
Active Date: Not reported
Tank Use: PETROLEUM
STG: WASTE
Content: Not reported
Number Of Tanks: 1

EMI:
Year: 2000
County Code: 37
Air Basin: SD
Facility ID: 4639
Air District Name: SD
SIC Code: 5541
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 2001
County Code: 37

TEXACO SERVICE STATION (Continued) **S100731967**

Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported

TEXACO SERVICE STATION (Continued) **S100731967**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.024
Reactive Organic Gases Tons/Yr:	3.024
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.024
Reactive Organic Gases Tons/Yr:	3.024
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.74
Reactive Organic Gases Tons/Yr:	2.74
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.74
Reactive Organic Gases Tons/Yr:	2.74
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0

TEXACO SERVICE STATION (Continued) **S100731967**

Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.74
Reactive Organic Gases Tons/Yr:	2.74
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.7400000000000002
Reactive Organic Gases Tons/Yr:	2.7400000000000002
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.7400000000000002
Reactive Organic Gases Tons/Yr:	2.7400000000000002
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2011
County Code:	37
Air Basin:	SD

TEXACO SERVICE STATION (Continued) **S100731967**

Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.74
Reactive Organic Gases Tons/Yr:	2.74
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2012
County Code:	37
Air Basin:	SD
Facility ID:	4639
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.74
Reactive Organic Gases Tons/Yr:	2.74
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SAN DIEGO CO. SAM:

Case Number:	H21148-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Closed Case
Date:	7/20/1987
Date Began:	12/3/1985

Case Number:	H21148-002
Agency:	CA Regional Water Quality Control Board
Funding:	**Non Billable**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/6/1993
Date Began:	8/8/1986

Case Number:	H21148-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	1/20/1987
Date Began:	12/12/1986

Case Number:	H21148-004

TEXACO SERVICE STATION (Continued) **S100731967**

Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 11/10/1997
Date Began: 11/19/1993

Case Number: H21148-005
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 7/1/2002
Date Began: 3/17/1998

Case Number: H21148-006
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - State Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Preliminary Assessment
Date: 6/13/2007
Date Began: 4/4/2007

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104 **TEXACO** **CA LUST** **S105033001**
3711 CAMINO DEL RIO W **N/A**
SAN DIEGO, CA 92110

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104 **TEXACO REFINING AND MARKETING** **CA LUST** **U001572867**
3711 CAMINO DEL RIO W **CA SLIC** **N/A**
SAN DIEGO, CA 92110 **CA HIST UST**

LUST:
Region: STATE
Global Id: T0607302841
Latitude: 32.754258498
Longitude: -117.204539068
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/06/1993
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT552
LOC Case Number: H21148-002
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302841
Status: Completed - Case Closed

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Status Date: 10/06/1993

Global Id: T0607302841
Status: Open - Case Begin Date
Status Date: 08/08/1986

Global Id: T0607302841
Status: Open - Site Assessment
Status Date: 09/02/1986

Regulatory Activities:
Global Id: T0607302841
Action Type: ENFORCEMENT
Date: 02/18/2000
Action: * Referral to Regional Board or Another State Agency

Global Id: T0607302841
Action Type: Other
Date: 08/08/1986
Action: Leak Discovery

Global Id: T0607302841
Action Type: Other
Date: 08/08/1986
Action: Leak Stopped

Global Id: T0607302841
Action Type: Other
Date: 08/08/1986
Action: Leak Reported

Region: STATE
Global Id: T0607302423
Latitude: 32.7552199
Longitude: -117.2052365
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 07/01/2002
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: JC
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: 9UT3658
LOC Case Number: H21148-005
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Contact:
Global Id: T0607302423
Contact Type: Local Agency Caseworker
Contact Name: JAMES CLAY
Organization Name: SAN DIEGO COUNTY LOP
Address: P.O. Box 129261

TEXACO REFINING AND MARKETING (Continued) **U001572867**

City: San Diego
Email: james.clay@sdcounty.ca.gov
Phone Number: Not reported

Status History:
Global Id: T0607302423
Status: Completed - Case Closed
Status Date: 07/01/2002

Global Id: T0607302423
Status: Open - Case Begin Date
Status Date: 03/17/1998

Regulatory Activities:
Global Id: T0607302423
Action Type: Other
Date: 03/17/1998
Action: Leak Began

Global Id: T0607302423
Action Type: Other
Date: 03/17/1998
Action: Leak Discovery

Global Id: T0607302423
Action Type: Other
Date: 03/17/1998
Action: Leak Stopped

Global Id: T0607302423
Action Type: ENFORCEMENT
Date: 06/09/1998
Action: Notice of Responsibility

Global Id: T0607302423
Action Type: Other
Date: 05/17/1998
Action: Leak Reported

Region: STATE
Global Id: T0619790351
Latitude: 32.7541206
Longitude: -117.2049003
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 04/15/2014
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: JS
Local Agency: SAN DIEGO COUNTY LOP
RB Case Number: Not reported
LOC Case Number: H21148-006
File Location: Local Agency
Potential Media Affect: Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Gasoline
Site History: Refer to "Site Maps/Documents" tab for Closure Letter/Summary

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0619790351
Contact Type:	Local Agency Caseworker
Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0619790351
Status:	Open - Site Assessment
Status Date:	06/13/2007
Global Id:	T0619790351
Status:	Open - Site Assessment
Status Date:	06/13/2007
Global Id:	T0619790351
Status:	Open - Eligible for Closure
Status Date:	06/13/2007
Global Id:	T0619790351
Status:	Open - Case Begin Date
Status Date:	04/04/2007
Global Id:	T0619790351
Status:	Completed - Case Closed
Status Date:	04/15/2014

Regulatory Activities:

Global Id:	T0619790351
Action Type:	ENFORCEMENT
Date:	03/24/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0619790351
Action Type:	Other
Date:	04/04/2007
Action:	Leak Began
Global Id:	T0619790351
Action Type:	RESPONSE
Date:	07/17/2013
Action:	Correspondence - Regulator Responded
Global Id:	T0619790351
Action Type:	RESPONSE
Date:	10/30/2012
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T0619790351
Action Type:	RESPONSE

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Date: 04/18/2013
Action: Other Report / Document - Regulator Responded

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 07/08/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0619790351
Action Type: Other
Date: 04/04/2007
Action: Leak Discovery

Global Id: T0619790351
Action Type: RESPONSE
Date: 01/07/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0619790351
Action Type: RESPONSE
Date: 07/22/2011
Action: Monitoring Report - Quarterly

Global Id: T0619790351
Action Type: RESPONSE
Date: 01/19/2012
Action: Monitoring Report - Quarterly

Global Id: T0619790351
Action Type: RESPONSE
Date: 07/20/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 05/30/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0619790351
Action Type: RESPONSE
Date: 01/21/2013
Action: Monitoring Report - Quarterly

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 10/06/2008
Action: Technical Correspondence / Assistance / Other

Global Id: T0619790351
Action Type: Other
Date: 05/23/2007
Action: Leak Reported

Global Id: T0619790351
Action Type: RESPONSE
Date: 06/11/2013
Action: Other Report / Document

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Global Id: T0619790351
Action Type: RESPONSE
Date: 07/31/2013
Action: Correspondence

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 07/23/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 04/17/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0619790351
Action Type: RESPONSE
Date: 09/30/2013
Action: Correspondence

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 07/14/2009
Action: Letter - Notice

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 01/30/2014
Action: Letter - Notice

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 04/15/2014
Action: Closure/No Further Action Letter

Global Id: T0619790351
Action Type: RESPONSE
Date: 04/07/2009
Action: Monitoring Report - Quarterly

Global Id: T0619790351
Action Type: RESPONSE
Date: 05/18/2009
Action: Monitoring Report - Quarterly

Global Id: T0619790351
Action Type: RESPONSE
Date: 01/26/2009
Action: Monitoring Report - Quarterly

Global Id: T0619790351
Action Type: ENFORCEMENT
Date: 10/15/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0619790351
Action Type: RESPONSE

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Date: 05/28/2009
Action: Site Assessment Report

Global Id: T0619790351
Action Type: RESPONSE
Date: 01/08/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0619790351
Action Type: RESPONSE
Date: 06/29/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0619790351
Action Type: RESPONSE
Date: 04/09/2012
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0619790351
Action Type: RESPONSE
Date: 04/13/2011
Action: CAP/RAP - Other Report - Regulator Responded

Region: STATE
Global Id: T0607301333
Latitude: 32.754135
Longitude: -117.204365
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/10/1997
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT2584
LOC Case Number: H21148-004
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607301333
Status: Completed - Case Closed
Status Date: 11/10/1997

Global Id: T0607301333
Status: Open - Case Begin Date
Status Date: 11/19/1993

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT2584

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Local Case:	H21148-004
Substance:	Gasoline
Qty Leaked:	0
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Aquifer affected
Date Found:	11/19/1993
Date Stopped:	11/19/1993
Confirm Date:	11/19/1993
Submit Workplan:	11/13/93
Prelim Assess:	11/19/1993
Desc Pollution:	Not reported
Remed Plan:	06/04/1997
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	12/03/1993
Enforce Date:	Not reported
Closed Date:	11/10/97
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	907.11
GW Depth:	7.5’
Beneficial Use:	Municipal groundwater use
NPDES Number:	Not reported
Priority:	2B
File Dispn:	Not reported
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	07/20/1987
Global Id:	T0608113135
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21148-001
Latitude:	32.754262
Longitude:	-117.204486
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Facility Status:	**Completed - Case Closed**
Status Date:	01/20/1987
Global Id:	T0607301283
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H21148-003
Latitude:	32.754135
Longitude:	-117.204365
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2537
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000007302
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	G. B. KIRNER
Telephone:	0000000000
Owner Name:	TEXACO-USA
Owner Address:	3350 WILSHIRE BLVD
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0005
Tank Num:	001
Container Num:	1
Year Installed:	1971
Tank Capacity:	00000150
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	2
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10
Tank Num:	003
Container Num:	3
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

TEXACO REFINING AND MARKETING (Continued) **U001572867**

Tank Num:	004
Container Num:	4
Year Installed:	1971
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

Tank Num:	005
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, 10

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104 **TEXACO/CAMINO DEL RIO WES** **CA HIST CORTESE** **S104749720**
3711 CAMINO DEL RIO **N/A**
SAN DEIGO, CA 92110

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3658

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2537

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2584

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT552

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104 **ARCO SERVICE STATION** **CA HIST CORTESE** **S104747733**
3720 CAMINO DEL RIO **N/A**
SAN DEIGO, CA 92110

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT41

104 **NIELSON CONSTRUCTION CO** **RCRA-SQG** **1000857440**
3127 JEFFERSON **FINDS** **CAD983668740**
SAN DIEGO, CA 92110 **CA HIST CORTESE**
CA LUST
CA SWEEPS UST
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	05/21/1993
Facility name:	NIELSON CONSTRUCTION CO
Facility address:	3127 JEFFERSON SAN DIEGO, CA 92110
EPA ID:	CAD983668740
Mailing address:	PO BOX 80367 SAN DIEGO, CA 91238
Contact:	CECIL MARTINEZ
Contact address:	3127 JEFFERSON SAN DIEGO, CA 92110
Contact country:	US
Contact telephone:	(619) 291-5485
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NIELSON CONSTRUCTION CO
Owner/operator address:	PO BOX 80367 SAN DIEGO, CA 92138
Owner/operator country:	Not reported
Owner/operator telephone:	(619) 291-6330
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

NIELSON CONSTRUCTION CO (Continued) **1000857440**

Violation Status: No violations found

FINDS:

Registry ID: 110002899506

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2322

LUST:

Region:	STATE
Global Id:	T0607301092
Latitude:	32.7553779
Longitude:	-117.2032625
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/18/1993
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2322
LOC Case Number:	H06038-001
File Location:	Local Agency
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301092
Status:	Completed - Case Closed
Status Date:	02/18/1993
Global Id:	T0607301092
Status:	Open - Case Begin Date
Status Date:	11/24/1992

Regulatory Activities:

Global Id:	T0607301092
Action Type:	ENFORCEMENT
Date:	12/09/1992
Action:	Notice of Responsibility

NIELSON CONSTRUCTION CO (Continued) **1000857440**

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT2322
Local Case:	H06038-001
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Close Tank
Source:	Unknown
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	12/01/1992
Date Stopped:	12/01/1992
Confirm Date:	12/01/1992
Submit Workplan:	Not reported
Prelim Assess:	12/09/1992
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	12/12/92
Began Monitor:	Not reported
Release Date:	12/01/1992
Enforce Date:	Not reported
Closed Date:	2/5/93
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	10.5
Beneficial Use:	Not reported
NPDES Number:	Not reported
Priority:	Low priority. Priority ranking can change over time.
File Dispn:	File discarded, case closed
Interim Remedial Actions:	Yes
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

SWEEPS UST:

Status:	Active
Comp Number:	6038
Number:	9
Board Of Equalization:	44-022324
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-006038-000001
Tank Status:	A
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED

NIELSON CONSTRUCTION CO (Continued) **1000857440**

Number Of Tanks: 2

Status: Active
Comp Number: 6038
Number: 9
Board Of Equalization: 44-022324
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-006038-000002
Tank Status: A
Capacity: 5000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

SAN DIEGO CO. HMMD:
Facility Id: 106038
Business Type: 6HK70
EPA Id Number: CAL913433282
APN: 441-550-11-00
Last HMMD Inspection: 04/22/2003
Permit Status: INAC
Permit Expiration: 01/31/2003
Facility Owner: NIELSEN DILLINGHAM BLDRS, INC
Facility Address: P O BOX 80367
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92138-0367
UST Owner: NIELSEN CONSTRUCTION
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 106038 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 106038
Tank Type: Not reported
Additional Id: AT4887
Capacity Gallons: Not reported
UST Contents: Not reported
Other Content Info: Not reported
Reg Status: REMOVED
Remove Close Date: 2003-04-03 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: Not reported
UST Monitor Method: Not reported

NIELSON CONSTRUCTION CO (Continued) **1000857440**

UST Name:	UNDERGROUND TANK 106038 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	106038
Tank Type:	UNKNOWN
Additional Id:	1
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1992-11-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 106038 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	106038
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	5000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-11-24 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	SUCTION
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

SAN DIEGO CO. SAM:

Case Number:	H06038-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/18/1993
Date Began:	11/24/1992

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104 **EDR US Hist Auto Stat** **1015451424**

3655 CAMINO DEL RIO W **N/A**
SAN DIEGO, CA 92110

EDR Historical Auto Stations:

Name:	TORK MOTOR SPORTS
Year:	2011
Address:	3655 CAMINO DEL RIO W

Name:	TORK MOTOR SPORTS
Year:	2012
Address:	3655 CAMINO DEL RIO W

104 **CUSTOM TRAILER SERVICE** **EDR US Hist Auto Stat** **1008997866**
3220 JEFFERSON ST **N/A**
SAN DIEGO, CA

EDR Historical Auto Stations:
Name: CUSTOM TRAILER SERVICE
Year: 1948
Type: AUTOMOBILE REPAIRING

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104 **RAFFEE S CARPETS OF SAN DIEGO** **EDR US Hist Cleaners** **1009128724**
3603 W CAMINO DEL RIO WEST **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:
Name: RAFFEE S CARPETS OF SAN DIEGO
Year: 1966
Type: CARPET AND RUG CLEANERS

Name: RAFFEE S CARPETS OF SAN DIEGO
Year: 1970
Type: CARPET AND RUG CLEANERS

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104 **EDR US Hist Auto Stat** **1015445117**
3535 CAMINO DEL RIO W **N/A**
SAN DIEGO, CA 92110

EDR Historical Auto Stations:
Name: EUROPEAN CAR REPAIR
Year: 1999
Address: 3535 CAMINO DEL RIO W

---

105 **ALLEY BET UTAH & KANSAS** **CA Notify 65** **S100178213**
NORTH OF EL CAJON BLVD. **N/A**
SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

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105 **CA Notify 65** **S100178156**
4340 KANSAS ST **N/A**
SAN DIEGO, CA 92104

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92104-1279

106 **CA Notify 65** **S100178431**
N/A

3936 JUPITER ST.
SAN DIEGO, CA 92110

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92110-5119

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107 **SAN DIEGO HOSPICE** **CA LUST** **S101302204**
4311 3RD ST N **N/A**
SAN DIEGO, CA 92103

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1472
Local Case: H29232-001
Substance: Diesel
Qty Leaked: Not reported
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 07/14/1989
Date Stopped: 07/14/1989
Confirm Date: 07/14/1989
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/14/1989
Enforce Date: Not reported
Closed Date: 3/15/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: Not reported
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

107 **SCRIPPS HOSPICE**
4311 3RD AVE
SAN DIEGO, CA 92103

CA HIST CORTESE **S101541537**
CA LUST **N/A**
CA SWEEPS UST
CA HAZNET

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1810

Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1472

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1810
Local Case: H29232-004
Substance: Diesel
Qty Leaked: Not reported
Abate Method: No Action Required - incident is minor, requiring no remedial action
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 10/12/1990
Date Stopped: 10/12/1990
Confirm Date: 10/19/1990
Submit Workplan: 10/19/90
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: 10/19/1990
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/12/1990
Enforce Date: Not reported
Closed Date: 5/17/96
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: 260’
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: No
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 29232

SCRIPPS HOSPICE (Continued) **S101541537**

Number:	9
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	29232
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-029232-000001
Tank Status:	Not reported
Capacity:	2500
Active Date:	Not reported
Tank Use:	OIL
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	1

HAZNET:

envid:	S101541537
Year:	2013
GEPAID:	CAL000389626
Contact:	WILBUR MOORE
Telephone:	6196232717
Mailing Name:	Not reported
Mailing Address:	4077 5TH AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92103
Gen County:	San Diego
TSD EPA ID:	ARD069748192
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.025
Facility County:	Not reported

envid:	S101541537
Year:	2013
GEPAID:	CAL000389626
Contact:	WILBUR MOORE
Telephone:	6196232717
Mailing Name:	Not reported
Mailing Address:	4077 5TH AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92103

SCRIPPS HOSPICE (Continued) **S101541537**

Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.45
Facility County:	Not reported

envid:	S101541537
Year:	2013
GEPAID:	CAL000389626
Contact:	WILBUR MOORE
Telephone:	6196232717
Mailing Name:	Not reported
Mailing Address:	4077 5TH AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92103
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.125
Facility County:	Not reported

envid:	S101541537
Year:	2013
GEPAID:	CAL000389626
Contact:	WILBUR MOORE
Telephone:	6196232717
Mailing Name:	Not reported
Mailing Address:	4077 5TH AVE
Mailing City,St,Zip:	SAN DIEGO, CA 92103
Gen County:	San Diego
TSD EPA ID:	NVT330010000
TSD County:	99
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.48
Facility County:	Not reported

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107 **NEW ALTERNATIVES** **CA LUST** **S104751981**
4311 03RD AV **CA SLIC** **N/A**
SAN DIEGO, CA 92103 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

LUST:

Region:	STATE
Global Id:	T0607300294
Latitude:	32.7580982
Longitude:	-117.1635389
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	10/19/1990
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported

NEW ALTERNATIVES (Continued) **S104751981**

Local Agency:	Not reported
RB Case Number:	9UT1472
LOC Case Number:	H29232-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300294
Status:	Open - Case Begin Date
Status Date:	07/14/1989

Global Id:	T0607300294
Status:	Completed - Case Closed
Status Date:	10/19/1990

Regulatory Activities:

Global Id:	T0607300294
Action Type:	Other
Date:	07/14/1989
Action:	Leak Began

Global Id:	T0607300294
Action Type:	Other
Date:	07/14/1989
Action:	Leak Discovery

Global Id:	T0607300294
Action Type:	Other
Date:	07/14/1989
Action:	Leak Stopped

Global Id:	T0607300294
Action Type:	Other
Date:	07/14/1989
Action:	Leak Reported

Region:	STATE
Global Id:	T0607300599
Latitude:	32.7580982
Longitude:	-117.1635389
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/17/1996
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT1810
LOC Case Number:	H29232-004
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

NEW ALTERNATIVES (Continued) **S104751981**

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607300599
Status:	Open - Case Begin Date
Status Date:	10/12/1990

Global Id:	T0607300599
Status:	Completed - Case Closed
Status Date:	05/17/1996

Regulatory Activities:

Global Id:	T0607300599
Action Type:	Other
Date:	10/12/1990
Action:	Leak Began

Global Id:	T0607300599
Action Type:	Other
Date:	10/12/1990
Action:	Leak Discovery

Global Id:	T0607300599
Action Type:	Other
Date:	10/12/1990
Action:	Leak Stopped

Global Id:	T0607300599
Action Type:	ENFORCEMENT
Date:	10/19/1990
Action:	Notice of Responsibility

Global Id:	T0607300599
Action Type:	Other
Date:	10/12/1990
Action:	Leak Reported

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	09/05/2000
Global Id:	T0608138256
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H29807-001
Latitude:	32.7555379439096
Longitude:	-117.162129878998
Case Type:	Cleanup Program Site
Case Worker:	KH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

NEW ALTERNATIVES (Continued) **S104751981**

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/15/1991
Global Id:	T0608106287
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H29232-003
Latitude:	32.756156
Longitude:	-117.161937
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	10/31/1989
Global Id:	T0608173706
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H29232-002
Latitude:	32.7554477157773
Longitude:	-117.16245174408
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	129232
Business Type:	6HK58
EPA Id Number:	CAL922973560
APN:	444-110-23-00
Last HMMD Inspection:	09/05/2012
Permit Status:	OPEN
Permit Expiration:	11/30/2012
Facility Owner:	SD HOSPICE&THE INST FOR PALLIATIVE MED
Facility Address:	4311 3RD AV
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported

NEW ALTERNATIVES (Continued) **S104751981**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: N

UST:
UST Name: UNDERGROUND TANK 129232 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 129232
Tank Type: UNKNOWN
Additional Id: AT1648
Capacity Gallons: 2500
UST Contents: Not reported
Other Content Info: MOTOR OIL
Reg Status: REMOVED
Remove Close Date: 1990-12-10 00:00:00
Year Installed: Not reported
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:
Facility Id: 129232
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: GEN'L BIOHAZ WST M. COOK
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 129232
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 129232
Update Date: 11/02/2012
Case Number: 6847-634-6
Name: DIESEL (GENERATOR)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: CHRONIC

Facility Id: 129232
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN COMPRESSED GAS/LIQUID
Other Information: Not reported
Material Waste: Material

NEW ALTERNATIVES (Continued) **S104751981**

Hazardous Categories 1: FIRE
Hazardous Categories 2: PRESSURE RELEASE

Facility Id: 129232
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 311 PHARMACEUTICAL WASTE
Other Information: EXP PHARM SERVICES CORP
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 129232
Update Date: 11/02/2012
Inspection Date: 08/11/2005
Violation Code: 6HV4304
Violation: LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation: Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity: ACTIVE

Facility Id: 129232
Update Date: 11/02/2012
Inspection Date: 04/28/2008
Violation Code: 6HV4422
Violation: PHARM WASTE NOT PROPERLY LABELED
Violation Citation: Generator did not properly label container holding pharmaceutical waste with the words -incineration only- or other approved markings on the lid and side. 118275(g)
Activity: ACTIVE

Facility Id: 129232
Business Type: 6HK58
EPA Id Number: CAL922973560
APN: 444-110-23-00
Last HMMD Inspection: 09/05/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: SD HOSPICE&THE INST FOR PALLIATIVE MED
Facility Address: 4311 3RD AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92103-
UST Owner: Not reported
Handle Regulated Hazmat: Y
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 129232 T001
Last Update: 2012-11-02 14:17:38

NEW ALTERNATIVES (Continued) **S104751981**

Permit Number:	129232
Tank Type:	UNKNOWN
Additional Id:	AT1648
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1990-12-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	GEN'L BIOHAZ WST M. COOK
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	6847-634-6
Name:	DIESEL (GENERATOR)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS/LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXP PHARM SERVICES CORP

NEW ALTERNATIVES (Continued) **S104751981**

Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 129232
Update Date: 11/02/2012
Inspection Date: 08/11/2005
Violation Code: 6HV4304
Violation: LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation: Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity: ACTIVE

Facility Id: 129232
Update Date: 11/02/2012
Inspection Date: 04/28/2008
Violation Code: 6HV4422
Violation: PHARM WASTE NOT PROPERLY LABELED
Violation Citation: Generator did not properly label container holding pharmaceutical waste with the words -incineration only- or other approved markings on the lid and side. 118275(g)
Activity: ACTIVE

Facility Id: 129807
Business Type: Not reported
EPA Id Number: Not reported
APN: 444-110-23-00
Last HMMD Inspection: Not reported
Permit Status: INAC
Permit Expiration: Not reported
Facility Owner: NEW ALTERNATIVES
Facility Address: 4311 03RD AV
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92103-1407
UST Owner: Not reported
Handle Regulated Hazmat: Not reported
Own Or Operate UST: Not reported
Subject To APSA: Not reported
Generate Haz Waste: Not reported
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

Facility Id: 129232
Business Type: 6HK58
EPA Id Number: CAL922973560
APN: 444-110-23-00
Last HMMD Inspection: 09/05/2012
Permit Status: OPEN
Permit Expiration: 11/30/2012
Facility Owner: SD HOSPICE&THE INST FOR PALLIATIVE MED
Facility Address: 4311 3RD AV
Facility City: SAN DIEGO
Facility State: CA

NEW ALTERNATIVES (Continued) **S104751981**

Facility Zip:	92103-
UST Owner:	Not reported
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Y

UST:

UST Name:	UNDERGROUND TANK 129232 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	129232
Tank Type:	UNKNOWN
Additional Id:	AT1648
Capacity Gallons:	2500
UST Contents:	Not reported
Other Content Info:	MOTOR OIL
Reg Status:	REMOVED
Remove Close Date:	1990-12-10 00:00:00
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

Active Permits:

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	GEN'L BIOHAZ WST M. COOK
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	129232
Update Date:	11/02/2012
Case Number:	6847-634-6
Name:	DIESEL (GENERATOR)
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	CHRONIC

Facility Id:	129232
Update Date:	11/02/2012

NEW ALTERNATIVES (Continued) **S104751981**

Case Number:	7782-44-7
Name:	OXYGEN COMPRESSED GAS/LIQUID
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	PRESSURE RELEASE
Facility Id:	129232
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 311 PHARMACEUTICAL WASTE
Other Information:	EXP PHARM SERVICES CORP
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	129232
Update Date:	11/02/2012
Inspection Date:	08/11/2005
Violation Code:	6HV4304
Violation:	LQHE NOT OBTAINED FOR MEDWASTE
Violation Citation:	Did not apply for and receive a limited-quantity hauling exemption for self-hauled medical waste (<20 pounds of waste per week). 118025, 118030(a)(1)
Activity:	ACTIVE
Facility Id:	129232
Update Date:	11/02/2012
Inspection Date:	04/28/2008
Violation Code:	6HV4422
Violation:	PHARM WASTE NOT PROPERLY LABELED
Violation Citation:	Generator did not properly label container holding pharmaceutical waste with the words -incineration only- or other approved markings on the lid and side. 118275(g)
Activity:	ACTIVE

Click this hyperlink while viewing on your computer to access
-1 additional CA_HMMD: record(s) in the EDR Site Report.

SAN DIEGO CO. SAM:

Case Number:	H29232-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/19/1990
Date Began:	7/14/1989
Case Number:	H29232-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	10/31/1989

NEW ALTERNATIVES (Continued) **S104751981**

Date Began: 6/27/1989

Case Number: H29232-003
Agency: DEH Site Assessment & Mitigation
Funding: **Private - VAP**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 3/15/1991
Date Began: Not reported

Case Number: H29232-004
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 5/17/1996
Date Began: 10/12/1990

Case Number: H29807-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: Complaint
Facility Status: Closed Case
Date: 9/5/2000
Date Began: Not reported

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108 **UCSD MEDICAL CENTER** **CA LUST** **U003789488**
200 W ARBOR DR **CA SLIC** **N/A**
SAN DIEGO, CA 92103 **CA San Diego Co. HMMD**

LUST:
Region: STATE
Global Id: T0607302973
Latitude: 32.753797
Longitude: -117.164992
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/16/1989
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT705
LOC Case Number: H14312-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302973
Status: Open - Case Begin Date
Status Date: 06/05/1986

Global Id: T0607302973
Status: Completed - Case Closed
Status Date: 02/16/1989

UCSD MEDICAL CENTER (Continued) **U003789488**

Regulatory Activities:

Global Id:	T0607302973
Action Type:	Other
Date:	06/05/1986
Action:	Leak Began
Global Id:	T0607302973
Action Type:	Other
Date:	06/05/1986
Action:	Leak Discovery
Global Id:	T0607302973
Action Type:	Other
Date:	06/05/1986
Action:	Leak Stopped
Global Id:	T0607302973
Action Type:	Other
Date:	06/05/1986
Action:	Leak Reported
Region:	STATE
Global Id:	T0607301572
Latitude:	32.7559981059623
Longitude:	-117.166330218315
Case Type:	LUST Cleanup Site
Status:	Open - Site Assessment
Status Date:	12/20/1991
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT2814
LOC Case Number:	H14312-003
File Location:	Local Agency
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Diesel
Site History:	A release of approximately 800 to 900 gallons of diesel fuel occurred near two underground storage tanks (USTs) in December of 1991, reportedly the result of overfilling of the tanks during an integrity test. Approximately 630 gallons of fuel was recovered by pumping from the vaults immediately following the release. Subsequently, Unauthorized Release H14312-003 was opened. Between September 17,1998 and January 28,1999, seven USTs were removed from the site under the supervision of the DEH. During the UST removal, cracks, and perforations were observed along the bottom of four of the USTs. When tank No. 4 and 5 were removed, approximately 1.5 feet of water and 1-2 inches of free product (believed to be diesel), were observed in the bottom of the excavation. Approximately 1,500 gallons of water and free product were removed from the excavation and transported to the appropriate disposal facility. Site assessment activities have began in 1994 and have continued through 2009. Please see submitted ESI data for further details.

Click here to access the California GeoTracker records for this facility:

Contact:

UCSD MEDICAL CENTER (Continued) **U003789488**

Global Id:	T0607301572
Contact Type:	Local Agency Caseworker
Contact Name:	COLLEEN HINES
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	colleen.hines@sdcounty.ca.gov
Phone Number:	8585056874

Status History:

Global Id:	T0607301572
Status:	Open - Case Begin Date
Status Date:	12/09/1991
Global Id:	T0607301572
Status:	Open - Site Assessment
Status Date:	12/20/1991

Regulatory Activities:

Global Id:	T0607301572
Action Type:	ENFORCEMENT
Date:	02/12/2010
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301572
Action Type:	Other
Date:	12/09/1991
Action:	Leak Began
Global Id:	T0607301572
Action Type:	RESPONSE
Date:	08/08/2012
Action:	Pilot Study / Treatability Workplan - Regulator Responded
Global Id:	T0607301572
Action Type:	RESPONSE
Date:	05/22/2013
Action:	CAP/RAP - Feasibility Study Report - Regulator Responded
Global Id:	T0607301572
Action Type:	RESPONSE
Date:	09/07/2013
Action:	CAP/RAP - Other Report - Regulator Responded
Global Id:	T0607301572
Action Type:	ENFORCEMENT
Date:	09/06/2011
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0607301572
Action Type:	Other
Date:	12/09/1991
Action:	Leak Discovery
Global Id:	T0607301572
Action Type:	ENFORCEMENT

UCSD MEDICAL CENTER (Continued) **U003789488**

Date: 06/08/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 04/12/2011
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301572
Action Type: Other
Date: 12/09/1991
Action: Leak Stopped

Global Id: T0607301572
Action Type: RESPONSE
Date: 07/05/2011
Action: Site Assessment Report

Global Id: T0607301572
Action Type: RESPONSE
Date: 01/31/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 12/20/1991
Action: Notice of Responsibility

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 06/20/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301572
Action Type: Other
Date: 12/11/1991
Action: Leak Reported

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 10/09/2012
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301572
Action Type: RESPONSE
Date: 03/28/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301572
Action Type: RESPONSE
Date: 09/11/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607301572
Action Type: RESPONSE
Date: 01/10/2014
Action: Monitoring Report - Semi-Annually

UCSD MEDICAL CENTER (Continued) **U003789488**

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 07/09/2009
Action: Letter - Notice

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 11/20/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301572
Action Type: RESPONSE
Date: 02/12/2010
Action: Site Assessment Report

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 03/21/2014
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301572
Action Type: ENFORCEMENT
Date: 01/26/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607301572
Action Type: RESPONSE
Date: 04/15/2010
Action: Soil and Water Investigation Workplan

Global Id: T0607301572
Action Type: RESPONSE
Date: 10/13/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607301572
Action Type: RESPONSE
Date: 01/26/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607301572
Action Type: RESPONSE
Date: 04/12/2010
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0607301572
Action Type: RESPONSE
Date: 02/28/2012
Action: CAP/RAP - Other Report - Regulator Responded

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/10/1993
Global Id: T0607301457
Lead Agency: SAN DIEGO COUNTY LOP

UCSD MEDICAL CENTER (Continued) **U003789488**

Lead Agency Case Number:	H14312-004
Latitude:	32.7559800604364
Longitude:	-117.166255116463
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2705
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/07/2013
Global Id:	T0608166608
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H14312-002
Latitude:	32.756
Longitude:	-117.1663
Case Type:	Cleanup Program Site
Case Worker:	VAP
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/05/1994
Global Id:	T0608111781
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H14312-005
Latitude:	32.7559710376721
Longitude:	-117.166295349598
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	114312
Business Type:	6HK65
EPA Id Number:	CAD981421399
APN:	444-110-20-00

UCSD MEDICAL CENTER (Continued) **U003789488**

Last HMMD Inspection:	01/10/2012
Permit Status:	OPEN
Permit Expiration:	02/28/2013
Facility Owner:	UCSD MEDICAL CENTER
Facility Address:	200 W ARBOR DR
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-8235
UST Owner:	UCSD MEDICAL CENTER, HILLCREST
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Y
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 114312 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401001 DIESEL FUEL
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-12-05 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR

UST Name:	UNDERGROUND TANK 114312 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401002 DIESEL FUEL
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-07-08 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

UST Name:	UNDERGROUND TANK 114312 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401003 DIESEL FUEL
Capacity Gallons:	3000
UST Contents:	DIESEL

UCSD MEDICAL CENTER (Continued) **U003789488**

Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-01-28 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401004 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-10 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401005 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-10 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401006 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-09-17 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE

UCSD MEDICAL CENTER (Continued) **U003789488**

Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401007 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-09-17 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	G07 UNLEADED GASOLINE
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-09-17 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T009
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	G08 UNLEADED GASOLINE
Capacity Gallons:	1000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1998-09-17 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T010
Last Update:	2012-11-02 14:17:38

UCSD MEDICAL CENTER (Continued) **U003789488**

Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2061 DIESEL, CTF-A, BLDG.
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	1998-01-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 114312 T011
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2061 DIESEL, CANCER CENTER/ RT2555, RT3329
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	1998-01-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 114312 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2061 CTEC, BLDG. 214
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	1998-01-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 114312 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2054 DIESEL, BLDG 330, NORTH / RT2555, RT3831
Capacity Gallons:	25000
UST Contents:	DIESEL
Other Content Info:	DIESEL

UCSD MEDICAL CENTER (Continued) **U003789488**

Reg Status:	ACTIVE
Remove Close Date:	1998-01-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.
UST Name:	UNDERGROUND TANK 114312 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2054 DIESEL, BLDG 330 SOUTH/ RT2555, RT3831
Capacity Gallons:	25000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1998-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	5989-27-5
Name:	D-LIMONENE ZEP BIG ORANGE PLANT SERVICES SHOP
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	00060-29-7
Name:	ETHYL ETHER
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	7440-59-7
Name:	HELIUM 6974 MAIN HOSPITAL RM B-130
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	PRESSURE RELEASE
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported

UCSD MEDICAL CENTER (Continued) **U003789488**

Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: CHILLER, BOILER, PUMPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPANOL 6974 RM B-131
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON 6974 MAIN HOSPITAL RM B-130
Other Information: PHYSICAL PLANT
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: BOILER WATER TREATMENT (CORROSPOTASIUM
Other Information: HYDROXIDE PHYSICAL PLANT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T011 DIESEL, CANCER CENTER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 50-00-0
Name: FORMALIN SOLUTION 6974 MAIN HOSPITAL RM B-131
Other Information: Not reported
Material Waste: Material

UCSD MEDICAL CENTER (Continued) **U003789488**

Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, LIQUID SW OF MAIN HOSPITAL OUTSIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 71-55-6
Name: TRICHLOROETHANE(CHLOR-SOLVE) PHYSICAL PLANT SHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: CHRONIC

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 00074-86-2
Name: ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 01333-74-0
Name: HYDROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7727-37-0
Name: NITROGEN, CO2 ARGON PLANT SERVICES SHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: ACETONE, METHANOL, HEXANE, CHLOROFORM, ETC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

UCSD MEDICAL CENTER (Continued) **U003789488**

Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	Not reported	
Name:	WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS	
Other Information:	LAB CHEMICALS, AEROSOLS	
Material Waste:	Waste	
Hazardous Categories 1:	Not reported	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	Not reported	
Name:	WASTE 551 LABORATORY WASTE CHEMICALS	
Other Information:	LAB PACKS FROM RESEARCH	
Material Waste:	Waste	
Hazardous Categories 1:	Not reported	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	124-38-9	
Name:	CARBON DIOXIDE 6974	MAIN HOSPITAL RM B-130
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	PRESSURE RELEASE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	MIXTURE	
Name:	COMPRESSE'GAS N.O.S. 6977	
Other Information:	OXYGEN 3300 CUFT CLINICAL TCH FAC BLDG A E SI	
Material Waste:	Material	
Hazardous Categories 1:	PRESSURE RELEASE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	0064-17-5	
Name:	ETHYL ALCOHOL 6974	MAIN HOSPITAL RM B-130
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	ACUTE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	75-21-8	
Name:	ETHYLENE OXIDE (8%)	MAIN HOSPITAL RM 2-331A
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	PRESSURE RELEASE	
Hazardous Categories 2:	CHRONIC	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	00067-56-1	

UCSD MEDICAL CENTER (Continued) **U003789488**

Name:	METHANOL	MAIN HOSPITAL RM B-131
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	FIRE	
Hazardous Categories 2:	Not reported	

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	1310-73-2
Name:	SODIUM HYDROXIDE 6982
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)
Other Information:	FLUORESCENT LAMPS, ALKALINE BATTS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information:	SOLVENT RAGS, DEBRIS, & CARBON FILTERS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information:	LAB/HOSPITAL WASTE
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 903 INF WST,TISSUE/ANAT. REMAINS
Other Information:	PATHOLOGY
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information:	HOSP PHARM, CANCER CTR
Material Waste:	Waste

UCSD MEDICAL CENTER (Continued) **U003789488**

Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 106-42-3
Name: XYLENE 6974 RM B-131
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 00064-19-7
Name: ACETIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T012 CTEC, BLDG. 214
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T013 DIESEL, BLDG 330, NORTH
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING 6982
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN 6974 MAIN HOSPITAL RM B-130
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

UCSD MEDICAL CENTER (Continued) **U003789488**

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 211 HALOGENATED SOLVENTS
Other Information:	Not reported
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information:	FORMALN/XYLENE PATH/ACTO
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	BULK CHEMO
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	VEHICLES TO CAMPUS FOR REPAIR
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not reported
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	7632-00-0
Name:	SODIUM NITRITE/BORIC ACID(BETZ
Other Information:	ENTEC 339) PHYSICAL PLANT CHILLER ROOM
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC

Facility Id:	114312
Update Date:	11/02/2012
Case Number:	108-88-3

UCSD MEDICAL CENTER (Continued) **U003789488**

Name: TOLUENE 6974 RM B-131
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 151 ASBESTOS CONTAINING WASTE
Other Information: ASBESTOS REMOVAL
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 905 INFECTIOUS WASTE, LAB
Other Information: MYCOLOGY & TB WASTE ON SITE TX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 67-64-1
Name: ACETONE 6974
Other Information: ROOM B-131
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AIR, BREATHING 6974 MAIN HOSPITAL RM B-130
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 100-37-8
Name: BETZ ENTEC 511 6982
Other Information: PLANT SERVICES N. SIDE TREATMENT PHYSI
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: MIXTURE
Name: BETZ ENTEC 733 (SODIUM SULFITE) 6982
Other Information: Not reported
Material Waste: Material

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Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T010 DIESEL, CTF-A, BLDG.
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T014 DIESEL, BLDG 330 SOUTH
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7727-37-0
Name: NITROGEN, LIQUID 6974 MAIN HOSPITAL RM B-130
Other Information: CANCER FAC, CTF'S
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 5052-41-3
Name: STODDARD SOLVENT(SAFETY KLEEN) PHYSICAL PLANT SHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID 6982 PHYSICAL PLANT, OUTSIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-
Other Information: PAINT CHIPS, HG ARTICLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

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Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	ABSORBENT, AEROSOLS W/ORGANICS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported

Violations Active Permits:

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4207
Violation:	SHARPS IMPROPERLY CONTAINED
Violation Citation:	Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/18/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Facility Id:	114312

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Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4202
Violation:	MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation:	Medical waste was not separated from other waste at the point of origin. 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4203
Violation:	MED WASTE STORAGE NOT SECURED
Violation Citation:	Generator has not secured the enclosure or designated accumulation area for medical waste containers so as to deny access to unauthorized persons. 118307, 118310
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4256
Violation:	NO MONTHLY BIOLOGICAL INDICATOR
Violation Citation:	Did not use a biological indicator or other approved method at least once a month to confirm proper disinfection/sterilization conditions. 118215(2)(D)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4353
Violation:	LQG:NO MW DISPOSAL RECORDS FOR 3 YRS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 3 years (LQG). 117975
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012

UCSD MEDICAL CENTER (Continued) **U003789488**

Inspection Date:	01/10/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/08/2010
Violation Code:	6HV0140
Violation:	LDR DOCUMENTS NOT AVAILABLE
Violation Citation:	Land disposal restriction (LDR) Notification/Certification not provided and/or maintained on site as required. CCR 66268.7(a)(8)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3108

UCSD MEDICAL CENTER (Continued) **U003789488**

Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV4208
Violation:	SHARPS CONTAINER: NO TAPED SHUT
Violation Citation:	Full sharps container ready for disposal not taped closed or

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tightly-lidded to preclude loss of contents. 118285(b)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/08/2010
Violation Code: 6HV0209
Violation: WASTE ONSITE >90/180/270 DAYS
Violation Citation: Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/08/2010
Violation Code: 6HV0301
Violation: HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation: Disposal or causing the disposal of hazardous waste to an unauthorized point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/08/2010
Violation Code: 6HV4212
Violation: RED BAGS NOT CONTAINERIZED
Violation Citation: Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/01/2007
Violation Code: 6HV1008
Violation: NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation: Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/18/2011
Violation Code: 6HV4207
Violation: SHARPS IMPROPERLY CONTAINED
Violation Citation: Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/18/2011
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205

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Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV4202
Violation:	MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation:	Medical waste was not separated from other waste at the point of origin. 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE

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Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4251
Violation:	IMPROPER TREATMENT OF MEDWASTE
Violation Citation:	Improper treatment of medical waste using an unapproved method or procedure. 118215
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4259
Violation:	ILLEGAL DISPOSAL OF MED WASTE
Violation Citation:	Unlawful disposal of untreated medical waste to an unauthorized point. 118340
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003

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Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV4351
Violation:	LQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial Submission/updates)(LQG). 117960, 117970
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV4501
Violation:	NO TREATMENT PERMIT FOR MEDICAL WASTE
Violation Citation:	Operator has not obtained/renewed an onsite medical waste treatment permit from the County. 117950, 118130, 118135, 65620, 65623
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS

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Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4260
Violation:	TRANSPORT: NO LQHE/REGISTRATION
Violation Citation:	Transportation of medical waste without State Hauler Registration or without a limited-quantity hauling exemption from County HMMD. 118025
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV1017
Violation:	HMBP NOT CERTIFIED ANNUALLY
Violation Citation:	Business Plan not certified annually. 25505(d) & (e)(2)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV4301
Violation:	SQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial/updates if Onsite Treatment) 117935
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE

UCSD MEDICAL CENTER (Continued) **U003789488**

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV4208
Violation:	SHARPS CONTAINER: NO TAPED SHUT
Violation Citation:	Full sharps container ready for disposal not taped closed or tightly-lidded to preclude loss of contents. 118285(b)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV4306
Violation:	FULL SHARPS STORED > 30 DAYS AT >0C
Violation Citation:	Storage time exceeded for full sharps container(s), stored greater than 30 days at greater than 0C room temperatures. 118285(c)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/08/2010
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	114312

UCSD MEDICAL CENTER (Continued) **U003789488**

Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4501
Violation:	NO TREATMENT PERMIT FOR MEDICAL WASTE
Violation Citation:	Operator has not obtained/renewed an onsite medical waste treatment permit from the County. 117950, 118130, 118135, 65620, 65623
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4207
Violation:	SHARPS IMPROPERLY CONTAINED
Violation Citation:	Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4421
Violation:	PHARM WASTE NOT SEGREGATED
Violation Citation:	Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV4209

UCSD MEDICAL CENTER (Continued) **U003789488**

Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/01/2007
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/18/2011
Violation Code: 6HV4202
Violation: MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation: Medical waste was not separated from other waste at the point of origin. 118275
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 09/26/2003
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

Facility Id: 114312
Business Type: 6HK65
EPA Id Number: CAD981421399
APN: 444-110-20-00
Last HMMD Inspection: 01/10/2012
Permit Status: OPEN
Permit Expiration: 02/28/2013
Facility Owner: UCSD MEDICAL CENTER
Facility Address: 200 W ARBOR DR
Facility City: SAN DIEGO
Facility State: CA
Facility Zip: 92103-8235
UST Owner: UCSD MEDICAL CENTER, HILLCREST
Handle Regulated Hazmat: Y
Own Or Operate UST: Y
Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:
UST Name: UNDERGROUND TANK 114312 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 114312

UCSD MEDICAL CENTER (Continued) **U003789488**

Tank Type:	SINGLE WALL
Additional Id:	HOSP401001 DIESEL FUEL
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-12-05 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 114312 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401002 DIESEL FUEL
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1992-07-08 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	SUCTION
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401003 DIESEL FUEL
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1999-01-28 00:00:00
Year Installed:	Not reported
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401004 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED

UCSD MEDICAL CENTER (Continued) **U003789488**

Remove Close Date:	1998-05-10 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401005 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-05-10 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401006 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-09-17 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 114312 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	SINGLE WALL
Additional Id:	HOSP401007 DIESEL FUEL
Capacity Gallons:	10000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1998-09-17 00:00:00
Year Installed:	1974-01-01 00:00:00
Pipe Type:	SINGLE WALL
Delivery System:	PRESSURE
Monitor Code:	12
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK

UCSD MEDICAL CENTER (Continued) **U003789488**

TEST MONTHLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 114312 T008
Last Update: 2012-11-02 14:17:38
Permit Number: 114312
Tank Type: SINGLE WALL
Additional Id: G07 UNLEADED GASOLINE
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-09-17 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 12
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 114312 T009
Last Update: 2012-11-02 14:17:38
Permit Number: 114312
Tank Type: SINGLE WALL
Additional Id: G08 UNLEADED GASOLINE
Capacity Gallons: 1000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1998-09-17 00:00:00
Year Installed: Not reported
Pipe Type: SINGLE WALL
Delivery System: PRESSURE
Monitor Code: 12
UST Monitor Method: SW TANK SW PRESSURE PIPE W/ RESTRICTIVE LLD W/ CERTIFIED ATG: IN-TANK TEST MONTHLY, PIPE TEST ANNUALLY

UST Name: UNDERGROUND TANK 114312 T010
Last Update: 2012-11-02 14:17:38
Permit Number: 114312
Tank Type: DOUBLE WALL
Additional Id: NT2061 DIESEL, CTF-A, BLDG.
Capacity Gallons: 500
UST Contents: DIESEL
Other Content Info: DIESEL
Reg Status: ACTIVE
Remove Close Date: 1998-01-01 00:00:00
Year Installed: Not reported
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name: UNDERGROUND TANK 114312 T011
Last Update: 2012-11-02 14:17:38
Permit Number: 114312
Tank Type: DOUBLE WALL

UCSD MEDICAL CENTER (Continued) **U003789488**

Additional Id:	NT2061 DIESEL, CANCER CENTER/ RT2555, RT3329
Capacity Gallons:	500
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	1998-01-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 114312 T012
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2061 CTEC, BLDG. 214
Capacity Gallons:	1000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	1998-01-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 114312 T013
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2054 DIESEL, BLDG 330, NORTH / RT2555, RT3831
Capacity Gallons:	25000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	1998-01-01 00:00:00
Year Installed:	Not reported
Pipe Type:	DOUBLE WALL
Delivery System:	SUCTION
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

UST Name:	UNDERGROUND TANK 114312 T014
Last Update:	2012-11-02 14:17:38
Permit Number:	114312
Tank Type:	DOUBLE WALL
Additional Id:	NT2054 DIESEL, BLDG 330 SOUTH/ RT2555, RT3831
Capacity Gallons:	25000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	ACTIVE
Remove Close Date:	Not reported

UCSD MEDICAL CENTER (Continued) **U003789488**

Year Installed: 1998-01-01 00:00:00
Pipe Type: DOUBLE WALL
Delivery System: SUCTION
Monitor Code: 21
UST Monitor Method: DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL.

Active Permits:

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 5989-27-5
Name: D-LIMONENE ZEP BIG ORANGE PLANT SERVICES SHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 00060-29-7
Name: ETHYL ETHER
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7440-59-7
Name: HELIUM 6974 MAIN HOSPITAL RM B-130
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 221 WASTE OIL & MIXED OIL
Other Information: CHILLER, BOILER, PUMPS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 67-63-0
Name: ISOPROPANOL 6974 RM B-131
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 902 INFECTIOUS WASTE, SHARPS

UCSD MEDICAL CENTER (Continued) **U003789488**

Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7440-37-1
Name: ARGON 6974 MAIN HOSPITAL RM B-130
Other Information: PHYSICAL PLANT
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 1310-58-3
Name: BOILER WATER TREATMENT (CORROSPOTASIUM
Other Information: HYDROXIDE PHYSICAL PLANT
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T011 DIESEL, CANCER CENTER
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 50-00-0
Name: FORMALIN SOLUTION 6974 MAIN HOSPITAL RM B-131
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN, LIQUID SW OF MAIN HOSPITAL OUTSIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 71-55-6
Name: TRICHLOROETHANE(CHLOR-SOLVE) PHYSICAL PLANT SHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

UCSD MEDICAL CENTER (Continued) **U003789488**

Hazardous Categories 2: CHRONIC

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 00074-86-2
Name: ACETYLENE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 01333-74-0
Name: HYDROGEN
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7727-37-0
Name: NITROGEN, CO2 ARGON PLANT SERVICES SHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 212 OXYGENATED SOLVENTS
Other Information: ACETONE, METHANOL, HEXANE, CHLOROFORM, ETC
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 331 OFF-SPEC,AGED,SURPLUS ORGANICS
Other Information: LAB CHEMICALS, AEROSOLS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 551 LABORATORY WASTE CHEMICALS
Other Information: LAB PACKS FROM RESEARCH
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312

UCSD MEDICAL CENTER (Continued) **U003789488**

Update Date:	11/02/2012	
Case Number:	124-38-9	
Name:	CARBON DIOXIDE 6974	MAIN HOSPITAL RM B-130
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	PRESSURE RELEASE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	MIXTURE	
Name:	COMPRESSE'GAS N.O.S. 6977	
Other Information:	OXYGEN 3300 CUFT CLINICAL TCH FAC BLDG A E SI	
Material Waste:	Material	
Hazardous Categories 1:	PRESSURE RELEASE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	0064-17-5	
Name:	ETHYL ALCOHOL 6974	MAIN HOSPITAL RM B-130
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	ACUTE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	75-21-8	
Name:	ETHYLENE OXIDE (8%)	MAIN HOSPITAL RM 2-331A
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	PRESSURE RELEASE	
Hazardous Categories 2:	CHRONIC	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	00067-56-1	
Name:	METHANOL	MAIN HOSPITAL RM B-131
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	FIRE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	1310-73-2	
Name:	SODIUM HYDROXIDE 6982	
Other Information:	Not reported	
Material Waste:	Material	
Hazardous Categories 1:	ACUTE	
Hazardous Categories 2:	Not reported	
Facility Id:	114312	
Update Date:	11/02/2012	
Case Number:	Not reported	
Name:	WASTE 181 INORGANIC SOLID WASTE (OTHER)	

UCSD MEDICAL CENTER (Continued) **U003789488**

Other Information: FLUORESCENT LAMPS, ALKALINE BATTS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)-
Other Information: SOLVENT RAGS, DEBRIS, & CARBON FILTERS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 901 INFECTIOUS WASTE, GENERAL
Other Information: LAB/HOSPITAL WASTE
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 903 INF WST,TISSUE/ANAT. REMAINS
Other Information: PATHOLOGY
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 904 INFECTIOUS WST,CHEMOTHERAPY
Other Information: HOSP PHARM, CANCER CTR
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 106-42-3
Name: XYLENE 6974 RM B-131
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 00064-19-7
Name: ACETIC ACID
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE

UCSD MEDICAL CENTER (Continued) **U003789488**

Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T012 CTEC, BLDG. 214
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T013 DIESEL, BLDG 330, NORTH
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 8002-05-9
Name: OILS, LUBRICATING 6982
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7782-44-7
Name: OXYGEN 6974 MAIN HOSPITAL RM B-130
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 211 HALOGENATED SOLVENTS
Other Information: Not reported
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 214 UNSPEC SOLVENT MIXTURE
Other Information: FORMALN/XYLENE PATH/ACTO
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312

UCSD MEDICAL CENTER (Continued) **U003789488**

Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 343 UNSPEC ORGANIC LIQUID MIXTURE
Other Information:	BULK CHEMO
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 444 USED BATTERIES
Other Information:	VEHICLES TO CAMPUS FOR REPAIR
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	CARCINOGENS &/OR REPRODUCTIVE TOXINS
Other Information:	BELOW STATE DISCLOSURE AMTS ARE/MAY BE ON SITE
Material Waste:	Not reported
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	7632-00-0
Name:	SODIUM NITRITE/BORIC ACID(BETZ
Other Information:	ENTEC 339) PHYSICAL PLANT CHILLER ROOM
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	CHRONIC
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	108-88-3
Name:	TOLUENE 6974 RM B-131
Other Information:	Not reported
Material Waste:	Material
Hazardous Categories 1:	ACUTE
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 151 ASBESTOS CONTAINING WASTE
Other Information:	ASBESTOS REMOVAL
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	114312
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 905 INFECTIOUS WASTE, LAB

UCSD MEDICAL CENTER (Continued) **U003789488**

Other Information: MYCOLOGY & TB WASTE ON SITE TX
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 67-64-1
Name: ACETONE 6974
Other Information: ROOM B-131
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: MIXTURE
Name: AIR, BREATHING 6974 MAIN HOSPITAL RM B-130
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 100-37-8
Name: BETZ ENTEC 511 6982
Other Information: PLANT SERVICES N. SIDE TREATMENT PHYSI
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: MIXTURE
Name: BETZ ENTEC 733 (SODIUM SULFITE) 6982
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: ACUTE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T010 DIESEL, CTF-A, BLDG.
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: DIESEL
Other Information: UNDERGROUND TANK 114312 T014 DIESEL, BLDG 330 SOUTH
Material Waste: Material
Hazardous Categories 1: FIRE

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Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7727-37-0
Name: NITROGEN, LIQUID 6974 MAIN HOSPITAL RM B-130
Other Information: CANCER FAC, CTF'S
Material Waste: Material
Hazardous Categories 1: PRESSURE RELEASE
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 5052-41-3
Name: STODDARD SOLVENT(SAFETY KLEEN) PHYSICAL PLANT SHOP
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: 7664-93-9
Name: SULFURIC ACID 6982 PHYSICAL PLANT, OUTSIDE
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: EXTREMELY HAZARDOUS
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 181 INORGANIC SOLID WASTE (OTHER)-
Other Information: PAINT CHIPS, HG ARTICLES
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Facility Id: 114312
Update Date: 11/02/2012
Case Number: Not reported
Name: WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information: ABSORBENT, AEROSOLS W/ORGANICS
Material Waste: Waste
Hazardous Categories 1: Not reported
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/10/2012
Violation Code: 6HV4207
Violation: SHARPS IMPROPERLY CONTAINED
Violation Citation: Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity: ACTIVE

UCSD MEDICAL CENTER (Continued) **U003789488**

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/18/2007
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION
Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV0225
Violation:	ACCUMULATED HW>180 OR >270 DAYS
Violation Citation:	Accumulated waste too long (>180 or 270 days). 66262.34(d), CFR 262.34(e)&(f), &/or 25201(a) [>90 days for AHW waste]
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4202
Violation:	MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation:	Medical waste was not separated from other waste at the point of origin. 118275
Activity:	ACTIVE

Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4203
Violation:	MED WASTE STORAGE NOT SECURED
Violation Citation:	Generator has not secured the enclosure or designated accumulation area for medical waste containers so as to deny access to unauthorized persons. 118307, 118310
Activity:	ACTIVE

Facility Id:	114312

UCSD MEDICAL CENTER (Continued) **U003789488**

Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4256
Violation:	NO MONTHLY BIOLOGICAL INDICATOR
Violation Citation:	Did not use a biological indicator or other approved method at least once a month to confirm proper disinfection/sterilization conditions. 118215(2)(D)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4353
Violation:	LQG:NO MW DISPOSAL RECORDS FOR 3 YRS
Violation Citation:	Generator did not retain on file disposal receipts and/or tracking documents for waste shipped offsite for at least 3 years (LQG). 117975
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4213
Violation:	NO LABEL: LIDS/SIDES OF CONTAINER
Violation Citation:	Did not label waste container/bin on the lid and side so as to be clearly visible. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV0216
Violation:	HAZMATS WITHOUT PROPER LABELS
Violation Citation:	Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012

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Inspection Date:	02/08/2010
Violation Code:	6HV0140
Violation:	LDR DOCUMENTS NOT AVAILABLE
Violation Citation:	Land disposal restriction (LDR) Notification/Certification not provided and/or maintained on site as required. CCR 66268.7(a)(8)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005, 68.1009.5
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3107
Violation:	MONITORING PROCEDURES NOT AVAIL/TO HMD
Violation Citation:	Monitoring procedures not available/complete/submitted to HMD 2632(b)& (d), 2634(d), 2641(h), 2711(a)(9)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3108
Violation:	UST ER RESPONSE PLAN NOT COMPLETE/AVAIL
Violation Citation:	Emergency Response Plan is not available/complete. 25289(b); 2632(b), 2634(e), 2641(h)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV1014
Violation:	HMBP INCOMPLETE/NOT AMENDED
Violation Citation:	HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV3255
Violation:	SPILL CONTAIN. NOT DRY/IN GOOD CONDITION

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Violation Citation:	Spill container is not in good condition and/or liquid free. 2635(b)(1), 2636(a)(1)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV4208
Violation:	SHARPS CONTAINER: NO TAPED SHUT
Violation Citation:	Full sharps container ready for disposal not taped closed or tightly-lidded to preclude loss of contents. 118285(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/08/2010
Violation Code:	6HV0209
Violation:	WASTE ONSITE >90/180/270 DAYS
Violation Citation:	Hazardous waste is stored in excess of allowable time period (90 days) without a State permit or written variance. CCR 25201(a) & 66262.34(a)&(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/08/2010
Violation Code:	6HV0301
Violation:	HAZWASTE:UNAUTHORIZED DISPOSAL
Violation Citation:	Disposal or causing the disposal of hazardous waste to an unauthorized

UCSD MEDICAL CENTER (Continued) **U003789488**

point (ground, storm drain, sewer system, trash, or air). HSC 25189.5(a) or 25189(d)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/08/2010
Violation Code: 6HV4212
Violation: RED BAGS NOT CONTAINERIZED
Violation Citation: Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/01/2007
Violation Code: 6HV1008
Violation: NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation: Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/18/2011
Violation Code: 6HV4207
Violation: SHARPS IMPROPERLY CONTAINED
Violation Citation: Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/18/2011
Violation Code: 6HV4209
Violation: NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation: Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 10/16/2004
Violation Code: 6HV4202
Violation: MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation: Medical waste was not separated from other waste at the point of origin. 118275
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 10/16/2004
Violation Code: 6HV4204
Violation: WARNING SIGN NOT POSTED
Violation Citation: MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310

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Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3192
Violation:	NO D.O INSPECTION/INCOMPL;NO REPORTS
Violation Citation:	Designated Operator monthly inspection not conducted or incomplete; or DO inspection reports not onsite 2715 (c)(d)(e)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/10/2012
Violation Code:	6HV0201
Violation:	WASTE CONTAINER NOT CLOSED
Violation Citation:	Hazardous waste containers are not kept closed while in storage. CCR 66265.173(a)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV0304
Violation:	WASTE DETERMINATION NOT MADE
Violation Citation:	Generator of a waste has not determined if that waste is a hazardous waste as defined by law. CCR 66262.11 & 66260.200(c)
Activity:	ACTIVE
Facility Id:	114312

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Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4251
Violation:	IMPROPER TREATMENT OF MEDWASTE
Violation Citation:	Improper treatment of medical waste using an unapproved method or procedure. 118215
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4259
Violation:	ILLEGAL DISPOSAL OF MED WASTE
Violation Citation:	Unlawful disposal of untreated medical waste to an unauthorized point. 118340
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV1018
Violation:	INVENTORY INCOMPLETE/NOT AMENDED
Violation Citation:	Inventory not amended for 100% increase of hazardous material onsite or inventory is incomplete. 25509, 25510
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV0401
Violation:	TRAINING RECORDS UNAVAILABLE
Violation Citation:	Personnel training records are not maintained to document compliance with requirements for current and former employees. CCR 66265.16(d)&(e)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV1008
Violation:	NO ANNUAL CARC/REPRO TOXIN LIST TO HMD
Violation Citation:	Annual carcinogen and reproductive toxin list not submitted to HMD. 68.1113(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004

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Violation Code:	6HV4351
Violation:	LQG:MWMP NOT SUBMITTED TO HMD
Violation Citation:	Medical Waste Management Plan has not been submitted to County HMD (Initial Submission/updates)(LQG). 117960, 117970
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	10/16/2004
Violation Code:	6HV4501
Violation:	NO TREATMENT PERMIT FOR MEDICAL WASTE
Violation Citation:	Operator has not obtained/renewed an onsite medical waste treatment permit from the County. 117950, 118130, 118135, 65620, 65623
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV4205
Violation:	MED SOLID WASTE NOT SECURED TO DENY ACCE
Violation Citation:	Medical Solid Waste not secured to deny access to unauthorized persons. 68.1211
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4210
Violation:	MED WASTE NOT IN RED BAGS
Violation Citation:	Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4260
Violation:	TRANSPORT: NO LQHE/REGISTRATION
Violation Citation:	Transportation of medical waste without State Hauler Registration or without a limited-quantity hauling exemption from County HMMD. 118025
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV3103
Violation:	NO UST PLAN CHECK PERMIT OBTAINED
Violation Citation:	UST repair/modify/closure permit not obtained .68.1004, 68.1005,

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68.1009.5
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 02/01/2007
Violation Code: 6HV1017
Violation: HMBP NOT CERTIFIED ANNUALLY
Violation Citation: Business Plan not certified annually. 25505(d) & (e)(2)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/18/2011
Violation Code: 6HV4301
Violation: SQG:MWMP NOT SUBMITTED TO HMD
Violation Citation: Medical Waste Management Plan has not been submitted to County HMD (Initial/updates if Onsite Treatment) 117935
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/18/2011
Violation Code: 6HV4210
Violation: MED WASTE NOT IN RED BAGS
Violation Citation: Generator did not store medical waste in approved and properly marked red bags (non-sharps). 118275
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/10/2012
Violation Code: 6HV4212
Violation: RED BAGS NOT CONTAINERIZED
Violation Citation: Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 10/16/2004
Violation Code: 6HV4208
Violation: SHARPS CONTAINER: NO TAPED SHUT
Violation Citation: Full sharps container ready for disposal not taped closed or tightly-lidded to preclude loss of contents. 118285(b)
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 01/09/2008
Violation Code: 6HV1014
Violation: HMBP INCOMPLETE/NOT AMENDED
Violation Citation: HMBP is incomplete/inadequate/not amended to reflect changes. 25504, 25505(a)(2) &/or 25509(a); 25505(b); 19 CCR 2729
Activity: ACTIVE

Facility Id: 114312

UCSD MEDICAL CENTER (Continued) **U003789488**

Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV4306
Violation:	FULL SHARPS STORED > 30 DAYS AT >0C
Violation Citation:	Storage time exceeded for full sharps container(s), stored greater than 30 days at greater than 0C room temperatures. 118285(c)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/08/2010
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	12/12/2006
Violation Code:	6HV3109
Violation:	NO SCALED PLOT PLAN AVAIL/TO HMD
Violation Citation:	Scaled Plot plan showing tank, piping & equipment location not available/complete/submitted to HMD. 2711(a)(8), 2632(d)(1) (C)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV0202
Violation:	WASTE CONTAINER W/O LABELS
Violation Citation:	Hazardous waste containers &/or tanks are missing labels, accumulation date and/or are improperly labeled. CCR 66262.34(a)(2); 66262.34(a)(3) & 66262.34(f)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/04/2009
Violation Code:	6HV4501
Violation:	NO TREATMENT PERMIT FOR MEDICAL WASTE
Violation Citation:	Operator has not obtained/renewed an onsite medical waste treatment permit from the County. 117950, 118130, 118135, 65620, 65623
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	09/26/2003
Violation Code:	6HV3152
Violation:	ALL MAINT/MONITOR RECORDS NOT AVAILABLE
Violation Citation:	All maintenance/monitoring/calibration/ repair records not available. 25293; 2712 (b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012

UCSD MEDICAL CENTER (Continued) **U003789488**

Inspection Date:	09/26/2003
Violation Code:	6HV4212
Violation:	RED BAGS NOT CONTAINERIZED
Violation Citation:	Did not containerize and place red bags in rigid, leak resistant, and covered containers or bins. 118280(b)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/09/2008
Violation Code:	6HV4214
Violation:	REUSEABLE CONTAINER UNSANITARY
Violation Citation:	Generator has not maintained reusable containers/bins for medical waste storage in a clean and sanitary manner. 118295 and 118305
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4207
Violation:	SHARPS IMPROPERLY CONTAINED
Violation Citation:	Generator did not store sharps waste in approved and properly marked sharps container. 118285(a)(d)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	03/03/2008
Violation Code:	6HV4421
Violation:	PHARM WASTE NOT SEGREGATED
Violation Citation:	Generator did not segregate pharmaceutical waste from other medical waste. 118275(g)
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	11/18/2005
Violation Code:	6HV4209
Violation:	NO GENERATOR'S INFO ON RED BAGS/SHARPS
Violation Citation:	Red bags, sharps containers not labeled with generator's name, address, and phone number. 68.1205
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	02/01/2007
Violation Code:	6HV4204
Violation:	WARNING SIGN NOT POSTED
Violation Citation:	MW designated accumulation area not posted with an approved and legible biohazardous waste "warning sign" in English and Spanish. 118310
Activity:	ACTIVE
Facility Id:	114312
Update Date:	11/02/2012
Inspection Date:	01/18/2011
Violation Code:	6HV4202

UCSD MEDICAL CENTER (Continued) **U003789488**

Violation: MED WASTE NO SEGREGATED AT POINT OF ORIG
Violation Citation: Medical waste was not separated from other waste at the point of origin. 118275
Activity: ACTIVE

Facility Id: 114312
Update Date: 11/02/2012
Inspection Date: 09/26/2003
Violation Code: 6HV0216
Violation: HAZMATS WITHOUT PROPER LABELS
Violation Citation: Hazardous materials have not been adequately labeled within 10 days & are now declared hazardous waste. HSC 25124(b)(3)(A) & 66262.34(f)
Activity: ACTIVE

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108 UCSD MEDICAL CENTER **ICIS 1007734523**
200 W ARBOR DR **FINDS N/A**
SAN DIEGO, CA 92103 **CA UST**
CA SAN DIEGO CO. SAM

ICIS:
Enforcement Action ID: 09-2004-0368
FRS ID: 110018920328
Program ID: BR CAD981421399
Action Name: REGENTS OF THE UNIVERSITY OF CALIFORNIA
Full Address: 200 W ARBOR DR SAN DIEGO CA 92103
State: California
Facility Name: UCSD MEDICAL CENTER
Facility Address: 200 W ARBOR DR
SAN DIEGO, CA 92103
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2004-0368
FRS ID: 110018920328
Program ID: RCRAINFO CAD981421399
Action Name: REGENTS OF THE UNIVERSITY OF CALIFORNIA
Full Address: 200 W ARBOR DR SAN DIEGO CA 92103
State: California
Facility Name: UCSD MEDICAL CENTER
Facility Address: 200 W ARBOR DR
SAN DIEGO, CA 92103
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Enforcement Action ID: 09-2004-0368
FRS ID: 110018920328
Program ID: FRS 110018920328
Action Name: REGENTS OF THE UNIVERSITY OF CALIFORNIA
Full Address: 200 W ARBOR DR SAN DIEGO CA 92103
State: California
Facility Name: UCSD MEDICAL CENTER
Facility Address: 200 W ARBOR DR
SAN DIEGO, CA 92103
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: SAN DIEGO

UCSD MEDICAL CENTER (Continued) **1007734523**

EPA Region #: 9

Enforcement Action ID: 09-2004-0368
FRS ID: 110018920328
Program ID: CA-CERS 10055527
Action Name: REGENTS OF THE UNIVERSITY OF CALIFORNIA
Full Address: 200 W ARBOR DR SAN DIEGO CA 92103
State: California
Facility Name: UCSD MEDICAL CENTER
Facility Address: 200 W ARBOR DR
SAN DIEGO, CA 92103
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty
Facility County: SAN DIEGO
EPA Region #: 9

Program ID: BR CAD981421399
Facility Name: UCSD MEDICAL CENTER
Address: 200 W ARBOR DR
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8221

Program ID: CA-CERS 10055527
Facility Name: UCSD MEDICAL CENTER
Address: 200 W ARBOR DR
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8221

Program ID: FRS 110018920328
Facility Name: UCSD MEDICAL CENTER
Address: 200 W ARBOR DR
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8221

Program ID: RCRAINFO CAD981421399
Facility Name: UCSD MEDICAL CENTER
Address: 200 W ARBOR DR
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 8221

FINDS:

Registry ID: 110018920328

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

UCSD MEDICAL CENTER (Continued) **1007734523**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

UST:

Facility ID:	H14312
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.755606
Longitude:	-117.1645735

SAN DIEGO CO. SAM:

Case Number:	H14312-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/16/1989
Date Began:	6/5/1986

Case Number:	H14312-003
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Drinking Water Aquifer Impacted
Facility Status:	Preliminary Assessment
Date:	2/24/2004
Date Began:	12/9/1991

Case Number:	H14312-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Preliminary Assessment
Date:	10/16/1995
Date Began:	3/8/1989

Case Number:	H14312-005
Agency:	DEH Site Assessment & Mitigation

UCSD MEDICAL CENTER (Continued) **1007734523**

Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	5/5/1994
Date Began:	2/2/1994
Case Number:	H14312-004
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	8/10/1993
Date Began:	6/24/1993

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108 **UNIVERSITY OF CALIFORNIA SAN D** **CA HIST UST** **U001572668**
225 DICKINSON ST # H-206 **N/A**
SAN DIEGO, CA 92103

HIST UST:

Region:	STATE
Facility ID:	00000020401
Facility Type:	Other
Other Type:	HOSPITAL COMPLEX
Contact Name:	F. J. COLLIN
Telephone:	6192946454
Owner Name:	UNIVERSITY OF CALIFORNIA, REGE
Owner Address:	2200 UNIVERSITY AVENUE
Owner City,St,Zip:	BERKELEY, CA 94720
Total Tanks:	0007
Tank Num:	001
Container Num:	CTF BDG. "
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	HOSP.EMERG
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	DIESEL STO
Year Installed:	Not reported
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004

UNIVERSITY OF CALIFORNIA SAN D (Continued) **U001572668**

Container Num:	STORAGE BO
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	005
Container Num:	SERVICE BO
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	006
Container Num:	STORAGE BO
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	SERVICE BO
Year Installed:	1974
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

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108 **UCSD MEDICAL CENTER** **RCRA-LQG** **1007199341**
200 WEST ARBOR DRIVE **CAD981421399**
SAN DIEGO, CA 92103

RCRA-LQG:

Date form received by agency:	03/27/2012
Facility name:	UCSD MEDICAL CENTER
Facility address:	200 WEST ARBOR DRIVE SAN DIEGO, CA 92103
EPA ID:	CAD981421399
Mailing address:	WEST ARBOR DRIVE SAN DIEGO, CA 92103
Contact:	RICHARD P SNOW
Contact address:	GILMAN DRIVE LA JOLLA, CA 920930958
Contact country:	US
Contact telephone:	(858) 534-9984
Contact email:	RPSNOW@UCSD.EDU
EPA Region:	09
Land type:	Municipal
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste

UCSD MEDICAL CENTER (Continued) **1007199341**

during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	UC REGENTS
Owner/operator address:	GILMAN DRIVE
	LA JOLLA, CA 92093
Owner/operator country:	Not reported
Owner/operator telephone:	(858) 534-9984
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1963
Owner/Op end date:	Not reported

Owner/operator name:	UCSD MEDICAL CENTER
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1963
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D001
. Waste name:	IGNITABLE WASTE

. Waste code:	D002
. Waste name:	CORROSIVE WASTE

. Waste code:	D003

UCSD MEDICAL CENTER (Continued) **1007199341**

. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U006
. Waste name: ACETYL CHLORIDE (C,R,T)

. Waste code: U103
. Waste name: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

UCSD MEDICAL CENTER (Continued) **1007199341**

. Waste code: U188
. Waste name: PHENOL

Historical Generators:
Date form received by agency: 02/08/2010
Site name: UCSD MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

UCSD MEDICAL CENTER (Continued) **1007199341**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P048
. Waste name: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

. Waste code: P077
. Waste name: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE

. Waste code: P087
. Waste name: OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: P112
. Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET OXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U089
. Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U151
. Waste name: MERCURY

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO- (OR) MNNG

. Waste code: U170
. Waste name: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U246
. Waste name: CYANOGEN BROMIDE (CN)BR

. Waste code: U248
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS,

UCSD MEDICAL CENTER (Continued) **1007199341**

WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

Date form received by agency: 02/08/2008
Site name: UCSD MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

UCSD MEDICAL CENTER (Continued) **1007199341**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U138
. Waste name: METHANE, IODO- (OR) METHYL IODIDE

. Waste code: U151
. Waste name: MERCURY

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 02/21/2006
Site name: UCSD MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

UCSD MEDICAL CENTER (Continued) **1007199341**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U151
. Waste name: MERCURY

Date form received by agency: 03/01/2004
Site name: UNIVERSITY OF CALIFORNIA, SAN DIEGO UCMC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010

UCSD MEDICAL CENTER (Continued) **1007199341**

. Waste name: SELENIUM

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P098
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: U007
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

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. Waste code: U151
. Waste name: MERCURY

. Waste code: U188
. Waste name: PHENOL

Date form received by agency: 02/28/2002
Site name: UCSD MEDICAL CENTER
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

UCSD MEDICAL CENTER (Continued) **1007199341**

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P087
. Waste name: OSMIUM OXIDE OSO4, (T-4)- (OR) OSMIUM TETROXIDE

Date form received by agency: 10/12/2000
Site name: UCSD MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: UNIVERSITY OF CA., SAN DIEGO
Classification: Large Quantity Generator

Date form received by agency: 04/16/1996
Site name: UCSD MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 05/11/1994
Site name: UCSD MEDICAL CENTER
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992
Site name: U C S D MEDICAL CENTER
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

UCSD MEDICAL CENTER (Continued) **1007199341**

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 26982

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 285

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 247

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 247

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 285

Waste code: D008
Waste name: LEAD
Amount (Lbs): 247

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 26125

Waste code: D019
Waste name: CARBON TETRACHLORIDE
Amount (Lbs): 26125

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 26731

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE

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OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 26125

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 26731

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 26731

Waste code: U006
Waste name: ACETYL CHLORIDE (C,R,T)
Amount (Lbs): 247

Waste code: U103
Waste name: DIMETHYL SULFATE
Amount (Lbs): 247

Waste code: U188
Waste name: PHENOL
Amount (Lbs): 247

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/08/2010
Date achieved compliance: 02/17/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/08/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

UCSD MEDICAL CENTER (Continued) **1007199341**

Area of violation: Generators - General
Date violation determined: 11/18/2005
Date achieved compliance: 07/20/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/18/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/26/2003
Date achieved compliance: 11/28/2003
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.11, 262.34
Area of violation: Generators - General
Date violation determined: 07/30/2002
Date achieved compliance: 07/30/2002
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 02/08/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/17/2010
Evaluation lead agency: State

Evaluation date: 11/18/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/20/2006
Evaluation lead agency: Local

Evaluation date: 09/26/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

UCSD MEDICAL CENTER (Continued) **1007199341**

Date achieved compliance: 11/28/2003
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 07/30/2002
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 07/30/2002
Evaluation lead agency: EPA

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108 **ENVIRONMENTAL HEALTH & SAFETY** **CA SWEEPS UST** **S106925850**
225 W DICKINSON ST **N/A**
SAN DIEGO, CA 92103

SWEEPS UST:
Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000001
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: 9

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000002
Tank Status: A
Capacity: 500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000003
Tank Status: A
Capacity: 3000

ENVIRONMENTAL HEALTH & SAFETY (Continued) **S106925850**

Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000004
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000006
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

ENVIRONMENTAL HEALTH & SAFETY (Continued) **S106925850**

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: OTHER
Number Of Tanks: Not reported

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000008
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 14312
Number: 9
Board Of Equalization: 44-021702
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-014312-000009
Tank Status: A
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

108 **UNIVERSITY OF CALIFORNIA, SAN** **CA HIST UST** **U001572669**
225 DICKINSON ST **N/A**
SAN DIEGO, CA 92103

HIST UST:

Region:	STATE
Facility ID:	00000009224
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	LLOYD ELLIS
Telephone:	6194524223
Owner Name:	UNIVERSITY OF CALIFORNIA, REGE
Owner Address:	2200 UNIVERSITY AVENUE
Owner City,St,Zip:	BERKELEY, CA 94720
Total Tanks:	0002
Tank Num:	001
Container Num:	7
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	8
Year Installed:	Not reported
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

---

108 **UCSD-MEDICAL CENTER** **CA LUST** **S102439542**
225 DICKINSON ST **N/A**
SAN DIEGO, CA 92103

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT705
Local Case:	H14312-001
Substance:	Unleaded Gasoline
Qty Leaked:	0
Abate Method:	Not reported
Local Agency:	San Diego
How Found:	Other Means
How Stopped:	Repair Piping
Source:	Piping
Cause:	Unknown
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	06/25/1986
Date Stopped:	06/05/1986
Confirm Date:	06/05/1986
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /

UCSD-MEDICAL CENTER (Continued) **S102439542**

Remed Action: Not reported
Began Monitor: Not reported
Release Date: 07/17/1986
Enforce Date: Not reported
Closed Date: 1/3/89
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 906.30
GW Depth: Not reported
Beneficial Use: Not reported
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

---

108 **UCSD MEDICAL CENTER** **CA LUST** **S102439539**
225 DICKINSON ST W **CA EMI** **N/A**
SAN DIEGO, CA 92103

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT2814
Local Case: H14312-003
Substance: Diesel
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Not reported
How Stopped: Not reported
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 12/09/1991
Date Stopped: 12/09/1991
Confirm Date: 12/09/1991
Submit Workplan: Not reported
Prelim Assess: 12/11/1991
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/11/1991
Enforce Date: 12/20/91
Closed Date: Not reported
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported

UCSD MEDICAL CENTER (Continued) **S102439539**

Waste Discharge Requirement Number: Not reported

Region: 9
Status: Preliminary site assessment workplan submitted
Case Number: 9UT2705
Local Case: H14312-004
Substance: 0
Qty Leaked: Not reported
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Test
How Stopped: Other Means
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 06/24/1993
Date Stopped: 06/24/1993
Confirm Date: / /
Submit Workplan: 6/26/93
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 06/28/1993
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: Not reported
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Not reported
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

EMI:

Year: 1997
County Code: 37
Air Basin: SD
Facility ID: 404
Air District Name: SD
SIC Code: 8062
Air District Name: SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 2
NOX - Oxides of Nitrogen Tons/Yr: 3
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers & Smllr Tons/Yr: 1

UCSD MEDICAL CENTER (Continued) **S102439539**

Year:	1998
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062

UCSD MEDICAL CENTER (Continued) **S102439539**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	3
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	1
NOX - Oxides of Nitrogen Tons/Yr:	4
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.02380323
Reactive Organic Gases Tons/Yr:	0.529805153
Carbon Monoxide Emissions Tons/Yr:	0.675543645

UCSD MEDICAL CENTER (Continued) **S102439539**

NOX - Oxides of Nitrogen Tons/Yr:	3.51876888
SOX - Oxides of Sulphur Tons/Yr:	0.058962903
Particulate Matter Tons/Yr:	0.599566813
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.596978563
Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.00972
Reactive Organic Gases Tons/Yr:	.51995
Carbon Monoxide Emissions Tons/Yr:	.60976
NOX - Oxides of Nitrogen Tons/Yr:	3.49
SOX - Oxides of Sulphur Tons/Yr:	.05519
Particulate Matter Tons/Yr:	.5834758606557377049
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.58243
Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.530727
Reactive Organic Gases Tons/Yr:	.258334
Carbon Monoxide Emissions Tons/Yr:	.406072
NOX - Oxides of Nitrogen Tons/Yr:	1.84072
SOX - Oxides of Sulphur Tons/Yr:	.039616
Particulate Matter Tons/Yr:	.386707
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.382067
Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.530727
Reactive Organic Gases Tons/Yr:	.258334
Carbon Monoxide Emissions Tons/Yr:	.406072
NOX - Oxides of Nitrogen Tons/Yr:	1.84072
SOX - Oxides of Sulphur Tons/Yr:	.039616
Particulate Matter Tons/Yr:	.386707
Part. Matter 10 Micrometers & Smllr Tons/Yr:	.382067
Year:	2009

UCSD MEDICAL CENTER (Continued) **S102439539**

County Code:	37
Air Basin:	SD
Facility ID:	404
Air District Name:	SD
SIC Code:	8062
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.56999999999999995
Reactive Organic Gases Tons/Yr:	0.29999999999999999
Carbon Monoxide Emissions Tons/Yr:	0.40999999999999998
NOX - Oxides of Nitrogen Tons/Yr:	1.8500000000000001
SOX - Oxides of Sulphur Tons/Yr:	2.9999999999999999E-2
Particulate Matter Tons/Yr:	0.39000000000000001
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.39000000000000001

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108 **USCD MEDICAL CENTER** **CA HIST CORTESE** **S101301703**
225 DICKINSON **N/A**
LA JOLLA, CA 92032

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2705
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT705
Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2814

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109 **CA Notify 65** **S100178157**
1754 NORTH ARBOR **N/A**
SAN DIEGO, CA 92103

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92103-1207

110 **HAGOPIAN SETH** **EDR US Hist Cleaners** **1009124205**
1924 FT STOCKTON DR **N/A**
SAN DIEGO, CA

EDR Historical Cleaners:
Name: HAGOPIAN SETH
Year: 1930
Type: CLOTHES PRESSERS AND CLEANERS

---

110 **EDR US Hist Auto Stat** **1015306237**
2011 FORT STOCKTON DR **N/A**
SAN DIEGO, CA 92103

EDR Historical Auto Stations:
Name: THE FRAME STATION
Year: 2006
Address: 2011 FORT STOCKTON DR

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111 **MOBIL SPORTS ARENA** **CA LUST** **S102433842**
3229 SPORTS ARENA BLVD **CA SAN DIEGO CO. SAM** **N/A**
SAN DIEGO, CA 92110

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT1260
Local Case: H15272-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Repair Tank
Source: Not reported
Cause: Not reported
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 02/07/1989
Date Stopped: 02/07/1989
Confirm Date: 02/07/1989
Submit Workplan: Not reported
Prelim Assess: 06/07/1989
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/31/1989
Enforce Date: Not reported
Closed Date: 10/26/93
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 14
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Medium priority
File Dispn: File discarded, case closed

MOBIL SPORTS ARENA (Continued) **S102433842**

Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SAN DIEGO CO. SAM:
Case Number: H15272-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Drinking Water Aquifer Impacted
Facility Status: Closed Case
Date: 12/1/1993
Date Began: 2/7/1989

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111 **MOBIL SPORTS ARENA** **CA HIST CORTESE** **S104748430**
3229 SPORTS ARENA **CA LUST** **N/A**
SAN DIEGO, CA 92110

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT1260

LUST:
Region: STATE
Global Id: T0607300181
Latitude: 32.7518016
Longitude: -117.2057012
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 12/01/1993
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT1260
LOC Case Number: H15272-001
File Location: Local Agency
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607300181
Status: Completed - Case Closed
Status Date: 12/01/1993

Global Id: T0607300181
Status: Open - Case Begin Date
Status Date: 02/07/1989

Regulatory Activities:
Global Id: T0607300181
Action Type: Other
Date: 02/07/1989
Action: Leak Began

MOBIL SPORTS ARENA (Continued) **S104748430**

Global Id: T0607300181
Action Type: Other
Date: 02/07/1989
Action: Leak Discovery

Global Id: T0607300181
Action Type: Other
Date: 02/07/1989
Action: Leak Stopped

Global Id: T0607300181
Action Type: ENFORCEMENT
Date: 02/07/1989
Action: Notice of Responsibility

Global Id: T0607300181
Action Type: Other
Date: 02/07/1989
Action: Leak Reported

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112 **3900 BLK OF TWIGG ST & CONGRES** **CA Notify 65** **S100178513**
IN OLDTOWN **N/A**
SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

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113 **SANTA FE SHOPPING DEPOT** **CA SLIC** **S104756714**
2461 SAN DIEGO AV **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92110 **CA SAN DIEGO CO. SAM**

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 02/19/1999
Global Id: T0608155826
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H38276-001
Latitude: 32.752124
Longitude: -117.194352
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: Local Agency
Potential Media Affected: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

SANTA FE SHOPPING DEPOT (Continued) **S104756714**

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	138276
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	443-513-03-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H38276-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	2/19/1999
Date Began:	1/11/1999

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114 **SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS** **CA HIST Cal-Sites** **S101661342**
4297 PACIFIC COAST HIGHWAY **CA Cortese** **N/A**
SAN DIEGO, CA 92186 **CA HIST CORTESE**
CA MCS
CA RESPONSE
CA ENVIROSTOR

Calsite:

Region:	GLENDALE
Facility ID:	37970022
Facility Type:	OPEN
Type:	OPEN MILITARY BASE
Branch:	SO
Branch Name:	OMF-SOUTHERN CALIF
File Name:	NISE WEST (AIR FORCE PLANT #19)
State Senate District:	01011995
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
NPL:	Not Listed
SIC Code:	97
SIC Name:	NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access:	Uncontrolled
Cortese:	Not reported

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Suspected
Staff Member Responsible for Site:	IHIRBAWI
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	SD
Region Water Control Board Name:	SAN DIEGO
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	76
State Senate District Code:	39
Facility ID:	37970022
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	SITE4
Proposed Budget:	0
AWP Completion Date:	02131997
Revised Due Date:	Not reported
Comments Date:	02131997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	37970022
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	11051992
Revised Due Date:	Not reported
Comments Date:	11051992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	4297 PACIFIC COAST HIGHWAY
Alternate City,St,Zip:	SAN DIEGO, CA 92186
Alternate Address:	PACIFIC HWY @ BARNETT AVE.
Alternate City,St,Zip:	SAN DIEGO, CA 92133
Background Info:	Space and Naval Warfare Systems Center, Old Town Campus (SPAWAR-OTC), an active satellite of SPAWAR Point Loma, is located north of the Marine Corps Recruit Depot and the San Diego International Airport. It encompasses approximately 60 acres and is 95% covere d by buildings or pavement. Occupied by Lockheed-Martin and the Navy, the base has been utilized for various aircraft, rocket, an d missile assembly and manufacturing. The contamination resulte d from past waste handling practices is encountered at various lo cations inside and outside of the buildings. Known or suspected contaminants in soil and ground- water include heavy metals, poly chlorinated biphenyls, volatile and semi-volatile organic compoun ds, and petroleum products.
Comments Date:	08301992
Comments:	Leaking Outdoor PCB Transformers, Site SS6, Used Oil Tank
Comments Date:	08301992
Comments:	Spill, Site S1, Leaking Underground Storage Gas Tank, Site
Comments Date:	08301992
Comments:	SS4, Hydraulic Oil Spill, and Site SS5, Oil Tank Spill N.
Comments Date:	03181997
Comments:	A Preliminary Assessment/Site Inspection was performed at Site 4
Comments Date:	03181997
Comments:	in 1996. Field work was conducted in July 1996 using "Site Charac
Comments Date:	03181997
Comments:	teriztion and Analysis Penetrometer System (SCAPS), developed by
Comments Date:	03181997
Comments:	NCCOSC. SCAPS used a 2 inch cone pentrometer housing a laser-indu
Comments Date:	03181997
Comments:	ced fluorescence (LIF) detection devise and capable of grabbing s
Comments Date:	03181997
Comments:	oils and water samples. After drilling four 6-inch cores through
Comments Date:	03181997
Comments:	the concrete, the SCAPS was pushed to groundwater. LIF measuremen
Comments Date:	03181997
Comments:	ts, soil samples and water samples were performed.
Comments Date:	06301988
Comments:	Phase III Assessment published identifying 5 IRP Sites.
Comments Date:	08301992
Comments:	Air Force published 5 NFA Decision Documents: Site OT2,
Comments Date:	08301992
Comments:	of Boiler Plant.
Comments Date:	09301984
Comments:	Air Force conducted Phase I Records Search.
Comments Date:	11051992
Comments:	Site Screening was done by Region 4 staff. Site OT2, Leakin Outd
Comments Date:	11051992
Comments:	oor PCB Transformers; early 1984, transformers at Bldg 27 were re
Comments Date:	11051992
Comments:	placed; fluid drained into containers and disposed of at an appro
Comments Date:	11051992

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Comments:	ved haz. waste landfill in Ca. Gen. Dynamics directed cleanup of
Comments Date:	11051992
Comments:	soils in 1986 following Cal/OHSA procedures. Site SS6, Used Oil
Comments Date:	11051992
Comments:	Tank Spill: in 1983, 50 to 100 gals of oil were spilled. Oil was
Comments Date:	11051992
Comments:	wet vacuumed and use of the tank discontinued. The other spills
Comments Date:	11051992
Comments:	and leaking tanks were done between 1981 and 1988. Property is
Comments Date:	11051992
Comments:	being transferred to the Dept. of the Navy.
ID Name:	Not reported
ID Value:	Not reported
Alternate Name:	NISE WEST (AIR FORCE PLANT #19)NISE WEST(NCCOSC-OLD TOWN CAMPUS)NISE WESTNCCOSC - NISE WESTAIR FORCE PLANT 19San Diego NISE-WEST (NOCCSC) Old Town Ca
Special Programs Code:	DSMOA
Special Programs Name:	DEFENSE MEMORANDUM OF AGREEMENT

CORTESE:

Region:	CORTESE
Envirostor Id:	37970022
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	01/01/1995
Site Code:	400495
Latitude:	32.737499
Longitude:	-117.21250
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT191

MCS:

Global Id:	T0607399071
Latitude:	32.74557
Longitude:	-117.1950
Case Type:	Military UST Site
Status:	Completed - Case Closed
Status Date:	12/15/1999
Lead Agency:	SAN DIEGO COUNTY LOP
Caseworker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT4065

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

LOC Case Number:	H81004-002
File Location:	Local Agency
Potential Media Affect:	Soil
EDR Link ID:	T0607399071
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AWP:

AWP Facility ID:	37970022
Region Code:	3
Region:	GLENDALE
SMBR Branch Code:	SO
SMBR Branch Unit:	OMF-SOUTHERN CALIF
Site Name.:	NISE WEST (AIR FORCE PLANT #19)
Current Status Date:	01011995
Current Status:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency Code:	DTSC
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
Facility Type:	Open military facility
Awp Site Type:	OPEN MILITARY BASE
NPL:	Not Listed
Tier Of AWP Site:	Not reported
Source Of Funding:	Not reported
Responsible Staff Member:	IHIRBAWI
Supervisor Responsible:	Not reported
SIC Code:	97
Facility SIC:	NATIONAL SECURITY/INTERNATIONAL AFFAIRS
RWQCB Code:	SD
RWQCB Associated With Site:	SAN DIEGO
Site Access Controlled:	Uncontrolled
Site Listed HWS List:	Not reported
Hazard Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Suspected
# Of Contamination Sources:	0
Lat/Long:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Description Of Entity:	Not reported
State Assembly Distt Code:	76
State Senate District:	39

RESPONSE:

Facility ID:	37970022
Site Type:	State Response
Site Type Detail:	Open Base
Acres:	60
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, RWQCB 9 - San Diego
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	H. Alan Hsu
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Site Code:	400495

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	78
Senate:	39
Special Program Status:	Navy
Status:	Active
Status Date:	01/01/1995
Restricted Use:	NO
Funding:	DERA
Latitude:	32.7375
Longitude:	-117.2125
APN:	NONE SPECIFIED
Past Use:	AIRCRAFT MAINTENANCE, ENGINE TESTING/REPAIR, EQUIPMENT/INSTRUMENT REPAIR, MACHINE SHOP, MANUFACTURING - ELECTRONIC, MANUFACTURING - OTHER, RESEARCH - WEAPONS
Potential COC :	Benzene DDT Lead Polychlorinated biphenyls (PCBs TPH-diesel TPH-gas Trichloroethylene (TCE Vinyl chloride
Confirmed COC:	Benzene DDT Lead Polychlorinated biphenyls (PCBs TPH-diesel TPH-gas Trichloroethylene (TCE Vinyl chloride
Potential Description:	IA, OTH, SOIL, SV
Alias Name:	AIR FORCE PLANT 19
Alias Type:	Alternate Name
Alias Name:	NCCOSC - NISE WEST
Alias Type:	Alternate Name
Alias Name:	NISE WEST
Alias Type:	Alternate Name
Alias Name:	NISE WEST (AIR FORCE PLANT #19)
Alias Type:	Alternate Name
Alias Name:	NISE WEST(NCCOSC-OLD TOWN CAMPUS)
Alias Type:	Alternate Name
Alias Name:	110006365450
Alias Type:	EPA (FRS #)
Alias Name:	DOD100356400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100356500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100356600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100356700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100356800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100358100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100362000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100362100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100362200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100362300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100362400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100369100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100369200
Alias Type:	GeoTracker Global ID

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Alias Name:	DOD100369300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100369400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100369500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100370000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100373100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100373200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100373300
Alias Type:	GeoTracker Global ID
Alias Name:	T0607326114
Alias Type:	GeoTracker Global ID
Alias Name:	T10000006205
Alias Type:	GeoTracker Global ID
Alias Name:	16537
Alias Type:	RB-PCA
Alias Name:	400495
Alias Type:	Project Code (Site Code)
Alias Name:	37970022
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	S4
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/13/1997
Comments:	A Preliminary Assessment/Site Inspection was performed at Site 4 in 1996. Field work was conducted in July 1996 using "Site Characteriztion and Analysis Penetrometer System (SCAPS), developed by NCCOSC. SCAPS used a 2 inch cone pentrometer housing a laser-induced fluorescence (LIF) detection devise and capable of grabbing soils and water samples. After drilling four 6-inch cores through the concrete, the SCAPS was pushed to groundwater. LIF measurements, soil samples and water samples were performed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/05/1992
Comments:	Site Screening was done by Region 4 staff. Site OT2, Leakin Outdoor PCB Transformers; early 1984, transformers at Bldg 27 were replaced; fluid drained into containers and disposed of at an approved haz. waste landfill in Ca. Gen. Dynamics directed cleanup of soils in 1986 following Cal/OHSA procedures. Site SS6, Used Oil Tank Spill: in 1983, 50 to 100 gals of oil were spilled. Oil was wet vacuumed and use of the tank discontinued. The other spills and leaking tanks were done between 1981 and 1988. Property is being transferred to the Dept. of the Navy.

Completed Area Name:	* BASEWIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Site Inspection (SI) Report
Completed Date:	01/31/2009
Comments:	Navy claimed any further investigation will be postponed until

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

2011-12.

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Site Inspection (SI) Report
Completed Date: 08/30/2008
Comments: Separate workplan for the on going investigation for IR Sites 1-9 and 10 & 11.

Completed Area Name: GRP 1
Completed Sub Area Name: 11
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/28/2008
Comments: Not reported

Completed Area Name: GRP 1
Completed Sub Area Name: 9
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/15/2009
Comments: DTSC has concurred to close IR Site 4.

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 10/09/2012
Comments: DTSc provided the comments to the Navy.

Completed Area Name: GRP 1
Completed Sub Area Name: 11
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 04/16/2014
Comments: Comment letter sent to Navy. DTSC concurs with findings in pilot study. Any outstanding comments will be addressed in later phases of project.

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 10/30/2014
Comments: DTSC provided comments to the Feasibility Study Report, however DTSC concurs with the findings of the Feasibility Study and agrees that it is appropriate to move project forward to Proposed Plan.

Completed Area Name: Taylor St. Sites
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 08/28/2014
Comments: DTSC concurs with the Proposed Plan. Comments were provided, but will be addressed in later phases of project.

Completed Area Name: GRP 1

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Completed Sub Area Name: 10
Completed Document Type: Record of Decision
Completed Date: 02/06/2015
Comments: Not reported

Completed Area Name: GRP 1
Completed Sub Area Name: 11
Completed Document Type: Remedial Investigation Report
Completed Date: 08/10/2010
Comments: DTSC has concuured to move the site investigation to phase 2.

Completed Area Name: GRP 1
Completed Sub Area Name: 9
Completed Document Type: Remedial Investigation Report
Completed Date: 05/28/2010
Comments: DTSC has concurred the final RI report.

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/30/2011
Comments: .

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 09/30/2010
Comments: DTSC has provided its comments sent to the Navy via an e-mail. DTSC has concurred the Navy to proceed with the Work Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/30/2011
Comments: ,

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Workplan
Completed Date: 02/16/2012
Comments: DTSC has concurred the final FFS.

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2011
Comments: .

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 10/26/2012
Comments: The Proposed Plan has been accepted and finalized.

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Completed Date: 06/13/2014
Comments: Not reported

Completed Area Name: GRP 1
Completed Sub Area Name: 11
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 07/08/2014
Comments: Not reported

Completed Area Name: Taylor St. Sites
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 09/06/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/31/2013
Comments: The CIP has been approved.

Future Area Name: GRP 1
Future Sub Area Name: 11
Future Document Type: Operations and Maintenance Plan
Future Due Date: 2015
Future Area Name: GRP 1
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2015
Schedule Area Name: Taylor St. Sites
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 06/29/2015
Schedule Revised Date: Not reported
Schedule Area Name: GRP 1
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 06/28/2015
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 37970022
Status: Active
Status Date: 01/01/1995
Site Code: 400495
Site Type: State Response
Site Type Detailed: Open Base
Acres: 60
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 9 - San Diego
Lead Agency: SMBRP
Program Manager: H. Alan Hsu
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Navy

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 32.7375
Longitude: -117.2125
APN: NONE SPECIFIED
Past Use: AIRCRAFT MAINTENANCE, ENGINE TESTING/REPAIR, EQUIPMENT/INSTRUMENT REPAIR, MACHINE SHOP, MANUFACTURING - ELECTRONIC, MANUFACTURING - OTHER, RESEARCH - WEAPONS
Potential COC: Benzene DDT Lead Polychlorinated biphenyls (PCBs TPH-diesel TPH-gas Trichloroethylene (TCE Vinyl chloride
Confirmed COC: Benzene DDT Lead Polychlorinated biphenyls (PCBs TPH-diesel TPH-gas Trichloroethylene (TCE Vinyl chloride
Potential Description: IA, OTH, SOIL, SV
Alias Name: AIR FORCE PLANT 19
Alias Type: Alternate Name
Alias Name: NCCOSC - NISE WEST
Alias Type: Alternate Name
Alias Name: NISE WEST
Alias Type: Alternate Name
Alias Name: NISE WEST (AIR FORCE PLANT #19)
Alias Type: Alternate Name
Alias Name: NISE WEST(NCCOSC-OLD TOWN CAMPUS)
Alias Type: Alternate Name
Alias Name: 110006365450
Alias Type: EPA (FRS #)
Alias Name: DOD100356400
Alias Type: GeoTracker Global ID
Alias Name: DOD100356500
Alias Type: GeoTracker Global ID
Alias Name: DOD100356600
Alias Type: GeoTracker Global ID
Alias Name: DOD100356700
Alias Type: GeoTracker Global ID
Alias Name: DOD100356800
Alias Type: GeoTracker Global ID
Alias Name: DOD100358100
Alias Type: GeoTracker Global ID
Alias Name: DOD100362000
Alias Type: GeoTracker Global ID
Alias Name: DOD100362100
Alias Type: GeoTracker Global ID
Alias Name: DOD100362200
Alias Type: GeoTracker Global ID
Alias Name: DOD100362300
Alias Type: GeoTracker Global ID
Alias Name: DOD100362400
Alias Type: GeoTracker Global ID
Alias Name: DOD100369100
Alias Type: GeoTracker Global ID
Alias Name: DOD100369200
Alias Type: GeoTracker Global ID
Alias Name: DOD100369300
Alias Type: GeoTracker Global ID
Alias Name: DOD100369400
Alias Type: GeoTracker Global ID
Alias Name: DOD100369500

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100370000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100373100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100373200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100373300
Alias Type:	GeoTracker Global ID
Alias Name:	T0607326114
Alias Type:	GeoTracker Global ID
Alias Name:	T10000006205
Alias Type:	GeoTracker Global ID
Alias Name:	16537
Alias Type:	RB-PCA
Alias Name:	400495
Alias Type:	Project Code (Site Code)
Alias Name:	37970022
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	S4
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/13/1997
Comments:	A Preliminary Assessment/Site Inspection was performed at Site 4 in 1996. Field work was conducted in July 1996 using "Site Characteriztion and Analysis Penetrometer System (SCAPS), developed by NCCOSC. SCAPS used a 2 inch cone pentrometer housing a laser-induced fluorescence (LIF) detection devise and capable of grabbing soils and water samples. After drilling four 6-inch cores through the concrete, the SCAPS was pushed to groundwater. LIF measurements, soil samples and water samples were performed.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/05/1992
Comments:	Site Screening was done by Region 4 staff. Site OT2, Leakin Outdoor PCB Transformers; early 1984, transformers at Bldg 27 were replaced; fluid drained into containers and disposed of at an approved haz. waste landfill in Ca. Gen. Dynamics directed cleanup of soils in 1986 following Cal/OHSA procedures. Site SS6, Used Oil Tank Spill: in 1983, 50 to 100 gals of oil were spilled. Oil was wet vacuumed and use of the tank discontinued. The other spills and leaking tanks were done between 1981 and 1988. Property is being transferred to the Dept. of the Navy.

Completed Area Name:	* BASEWIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Site Inspection (SI) Report
Completed Date:	01/31/2009
Comments:	Navy claimed any further investigation will be postponed until 2011-12.

Completed Area Name:	* BASEWIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Site Inspection (SI) Report

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Completed Date:	08/30/2008
Comments:	Separate workplan for the on going investigation for IR Sites 1-9 and 10 & 11.
Completed Area Name:	GRP 1
Completed Sub Area Name:	11
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	01/28/2008
Comments:	Not reported
Completed Area Name:	GRP 1
Completed Sub Area Name:	9
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	04/15/2009
Comments:	DTSC has concurred to close IR Site 4.
Completed Area Name:	GRP 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Tech Memo
Completed Date:	10/09/2012
Comments:	DTSc provided the comments to the Navy.
Completed Area Name:	GRP 1
Completed Sub Area Name:	11
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	04/16/2014
Comments:	Comment letter sent to Navy. DTSC concurs with findings in pilot study. Any outstanding comments will be addressed in later phases of project.
Completed Area Name:	GRP 1
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Report
Completed Date:	10/30/2014
Comments:	DTSC provided comments to the Feasibility Study Report, however DTSC concurs with the findings of the Feasibility Study and agrees that it is appropriate to move project forward to Proposed Plan.
Completed Area Name:	Taylor St. Sites
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	04/17/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Proposed Plan
Completed Date:	08/28/2014
Comments:	DTSC concurs with the Proposed Plan. Comments were provided, but will be addressed in later phases of project.
Completed Area Name:	GRP 1
Completed Sub Area Name:	10
Completed Document Type:	Record of Decision
Completed Date:	02/06/2015
Comments:	Not reported

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Completed Area Name: GRP 1
Completed Sub Area Name: 11
Completed Document Type: Remedial Investigation Report
Completed Date: 08/10/2010
Comments: DTSC has concuured to move the site investigation to phase 2.

Completed Area Name: GRP 1
Completed Sub Area Name: 9
Completed Document Type: Remedial Investigation Report
Completed Date: 05/28/2010
Comments: DTSC has concurred the final RI report.

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/30/2011
Comments: .

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 09/30/2010
Comments: DTSC has provided its comments sent to the Navy via an e-mail. DTSC has concurred the Navy to proceed with the Work Plan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 06/30/2011
Comments: ,

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Workplan
Completed Date: 02/16/2012
Comments: DTSC has concurred the final FFS.

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2011
Comments: .

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 10/26/2012
Comments: The Proposed Plan has been accepted and finalized.

Completed Area Name: GRP 1
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 06/13/2014
Comments: Not reported

Completed Area Name: GRP 1
Completed Sub Area Name: 11

SAN DIEGO NISE-WEST (NOCCSC) OLD TOWN CAMPUS (Continued) **S101661342**

Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	07/08/2014
Comments:	Not reported
Completed Area Name:	Taylor St. Sites
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	09/06/2012
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Participation Plan / Community Relations Plan
Completed Date:	03/31/2013
Comments:	The CIP has been approved.
Future Area Name:	GRP 1
Future Sub Area Name:	11
Future Document Type:	Operations and Maintenance Plan
Future Due Date:	2015
Future Area Name:	GRP 1
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Completion Report
Future Due Date:	2015
Schedule Area Name:	Taylor St. Sites
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	06/29/2015
Schedule Revised Date:	Not reported
Schedule Area Name:	GRP 1
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Workplan
Schedule Due Date:	06/28/2015
Schedule Revised Date:	Not reported

---

115 **REPLANET LLC** **CA SWRCY** **S112283592**
422 W WASHINGTON ST **N/A**
SAN DIEGO, CA 92103

SWRCY:

Reg Id:	164678
Cert Id:	RC164678.001
Mailing Address:	800 N Haven Ave Suite 120
Mailing City:	Ontario
Mailing State:	CA
Mailing Zip Code:	91764
Website:	http://www.replanetusa.com
Email:	jennifer.june@replanet.com
Phone Number:	(877) 737-5263
Grand Father:	N
Rural:	N
Operation Begin Date:	09/21/2012
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Agency:	N/A
Monday Hours Of Operation:	CLOSED

REPLANET LLC (Continued) **S112283592**

Tuesday Hours Of Operation:	10:00 am - 6:00 pm
Wednesday Hours Of Operation:	10:00 am - 6:00 pm
Thursday Hours Of Operation:	10:00 am - 6:00 pm
Friday Hours Of Operation:	10:00 am - 6:00 pm
Saturday Hours Of Operation:	10:00 am - 6:00 pm
Sunday Hours Of Operation:	CLOSED
Organization ID:	151891
Organization Name:	rePLANET LLC

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115 **RESIDENCE** **CA SLIC** **S104750241**
4066 ALBATROSS ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92103 **CA SAN DIEGO CO. SAM**

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/01/1991
Global Id:	T0608119686
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H23259-001
Latitude:	32.751187
Longitude:	-117.166471
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Waste Oil / Motor / Hydraulic / Lubricating
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	123259
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	444-452-34-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	RESIDENCE
Facility Address:	4066 ALBATROSS ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-1955
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H23259-001
Agency:	DEH Site Assessment & Mitigation

RESIDENCE (Continued) **S104750241**

Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	3/1/1991
Date Began:	5/29/1990

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116 **925 FORT STOCKTON** **CA LUST** **S110711901**
925 FORT STOCKTON **N/A**
SAN DIEGO, CA 92103

LUST:

Region:	STATE
Global Id:	T10000002805
Latitude:	32.7507688
Longitude:	-117.1720501
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	02/24/2014
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	CH
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H39761-001
File Location:	Local Agency
Potential Media Affect:	Soil, Soil Vapor
Potential Contaminants of Concern:	Gasoline
Site History:	On October 28, 2010, DEH received a Drilling Completion Report detailing the results of soil sampling from 14 borings on site. The soil borings were completed as part of a Phase II investigation prior to sale of the property, and was completed due to the former use of the property as a gasoline station. Total petroleum hydrocarbons (TPH) from gasoline and motor oil were detected at 0.0837 and 853 milligrams per kilogram, respectively, from a soil sample in the area of the former fuel dispensers. Based upon this analytical data, DEH opened Unauthorized Release Case H37961-001. In response, the consultant provided five historical reports detailing the results of soil, soil vapor, and indoor air sampling and a risk assessment report. The risk assessment report provided an analysis of the risk of residual petroleum remaining at the site to groundwater and human health. The consultant calculated the residual saturation of TPH from gasoline and oil, and compared these values to the concentrations detected at the site. Since the concentrations of TPH from gasoline and oil at the site are lower than the calculated residual saturation, the consultant concludes that the TPH is not mobile as non-aqueous phase liquid (NAPL). Given the estimated depth to groundwater, the consultant concludes that the risk to groundwater is minimal, and that further action or risk mitigation is not warranted. The consultant also provided an assessment of the leaching potential of volatile organic compounds (VOCs) detected in soil samples at the site. Naphthalene was the only VOC detected in soil samples at the site, and the concentration was less than maximum allowable soil contamination as per Table 6-5 of the Site Assessment and Mitigation (SAM) Manual. The consultant concludes that existing concentrations of naphthalene are not considered a threat to groundwater quality. The human health risk evaluation included a comparison of concentrations of benzene, toluene, and naphthalene detected in shallow soil vapor and indoor air samples at the site to the California Human Health Screening Levels (CHHSLs). The CHHSLs were

925 FORT STOCKTON (Continued) **S110711901**

only exceeded for benzene and naphthalene in shallow soil vapor samples. To estimate the vapor risk to occupants of the building on site, the consultant used the Johnson and Ettinger Vapor Intrusion model to estimate the risk from benzene, toluene, and naphthalene, and the SAM Vapor Risk model to estimate the risk from benzene. The consultant used the highest constituent concentrations detected in shallow soil vapor and indoor air samples and a commercial scenario. Default parameters were used in the models, with the exception of the floor area, interior height, and air exchange rate, which were specific to the building on site. The results indicate that the concentrations of benzene, toluene, and naphthalene detected in soil vapor and indoor air samples represent a cancer risk less than the DEH threshold of one in one million and a hazard index less than the DEH threshold of one. DEH inspected the site on October 23, 2013 to observe the boring locations and site conditions. After thorough review of all documents provided, DEH concurs with the consultant that closure of the case is appropriate.

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T10000002805
Contact Type:	Local Agency Caseworker
Contact Name:	COLLEEN HINES
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	SAN DIEGO
Email:	colleen.hines@sdcounty.ca.gov
Phone Number:	8585056874

Status History:

Global Id:	T10000002805
Status:	Open - Site Assessment
Status Date:	02/02/2011
Global Id:	T10000002805
Status:	Open - Eligible for Closure
Status Date:	01/29/2014
Global Id:	T10000002805
Status:	Completed - Case Closed
Status Date:	02/24/2014
Global Id:	T10000002805
Status:	Open - Case Begin Date
Status Date:	02/02/2011

Regulatory Activities:

Global Id:	T10000002805
Action Type:	RESPONSE
Date:	09/25/2012
Action:	Other Report / Document - Regulator Responded
Global Id:	T10000002805
Action Type:	RESPONSE
Date:	01/22/2014
Action:	Risk Assessment Report - Regulator Responded

925 FORT STOCKTON (Continued) **S110711901**

Global Id: T10000002805
Action Type: ENFORCEMENT
Date: 06/26/2012
Action: Notice of Responsibility

Global Id: T10000002805
Action Type: ENFORCEMENT
Date: 08/21/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T10000002805
Action Type: ENFORCEMENT
Date: 10/14/2013
Action: Notice of Responsibility

Global Id: T10000002805
Action Type: ENFORCEMENT
Date: 08/21/2013
Action: Notice of Responsibility

Global Id: T10000002805
Action Type: Other
Date: 02/02/2011
Action: Leak Reported

Global Id: T10000002805
Action Type: ENFORCEMENT
Date: 12/05/2013
Action: Technical Correspondence / Assistance / Other

Global Id: T10000002805
Action Type: ENFORCEMENT
Date: 02/24/2014
Action: Closure/No Further Action Letter

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117 **CAPITAL SERVICE** **CA HIST CORTESE** **S100726412**
1111 FORT STOCKTON DR **CA LUST** **N/A**
SAN DIEGO, CA 92103 **CA SLIC**

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT315

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT315
Local Case: H03783-001
Substance: 0
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank

CAPITAL SERVICE (Continued) **S100726412**

Source: Tank
Cause: Corrosion
Lead Agency: Local Agency
Case Type: Aquifer affected
Date Found: 10/08/1986
Date Stopped: / /
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 10/08/1986
Enforce Date: Not reported
Closed Date: 12/17/86
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 907.11
GW Depth: Not reported
Beneficial Use: Municipal groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File archived, case closed and file moved to storage
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/17/1986
Global Id: T0607301917
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H03783-001
Latitude: 32.750624
Longitude: -117.173512
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT315
File Location: Local Agency
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

117 **GILLOT MERCEDES** | **CA San Diego Co. HMMD** | **S104745212**
1111 FORT STOCKTON DR | **CA SAN DIEGO CO. SAM** | **N/A**
SAN DIEGO, CA 92103

SAN DIEGO CO. HMMD:

Facility Id:	101102
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	444-405-14-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

Facility Id:	103783
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	444-405-14-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	Not reported
Facility Address:	Not reported
Facility City:	Not reported
Facility State:	Not reported
Facility Zip:	Not reported
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H03783-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Private - VAP**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	12/17/1986
Date Began:	10/13/1986

118 **PRIVATE RESIDENCE**
1819 SHERIDAN AV
SAN DIEGO, CA 92103

CA HIST CORTESE **S104755104**
CA SLIC **N/A**
CA San Diego Co. HMMD
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3273

SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/08/1995
Global Id:	T0607302028
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H35618-001
Latitude:	32.750293
Longitude:	-117.180121
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT3273
File Location:	Local Agency
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

SAN DIEGO CO. HMMD:

Facility Id:	135618
Business Type:	Not reported
EPA Id Number:	Not reported
APN:	443-650-18-00
Last HMMD Inspection:	Not reported
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	WAYNE BANK, ADMINISTRATOR
Facility Address:	7801 MISSION CENTER CT 200
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92108-
UST Owner:	Not reported
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

SAN DIEGO CO. SAM:

Case Number:	H35618-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Complaint
Facility Status:	Closed Case

PRIVATE RESIDENCE (Continued) **S104755104**

Date: 12/8/1995
Date Began: 8/7/1995

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118 **ESTATE OF OSEPHINE O'CONNER** **CA LUST** **S102444748**
1819 SHERIDAN AVE **N/A**
SAN DIEGO, CA 92103

LUST REG 9:

Region:	9
Status:	Case Closed
Case Number:	9UT3273
Local Case:	H35618-001
Substance:	Heater Fuel
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Local Agency:	San Diego
How Found:	Tank Closure
How Stopped:	Not reported
Source:	Not reported
Cause:	Not reported
Lead Agency:	Local Agency
Case Type:	Soil only
Date Found:	07/14/1995
Date Stopped:	/ /
Confirm Date:	/ /
Submit Workplan:	Not reported
Prelim Assess:	/ /
Desc Pollution:	Not reported
Remed Plan:	/ /
Remed Action:	Not reported
Began Monitor:	Not reported
Release Date:	07/14/1995
Enforce Date:	Not reported
Closed Date:	12/8/95
Enforce Type:	Not reported
Pilot Program:	LOP
Basin Number:	908.21
GW Depth:	UNK
Beneficial Use:	No Beneficial groundwater use
NPDES Number:	Not reported
Priority:	Not reported
File Dispn:	Administratively opened on database, however no file physically exists
Interim Remedial Actions:	Not reported
Cleanup and Abatement order Number:	Not reported
Waste Discharge Requirement Number:	Not reported

119 **WEST WASHINGTON ST & HWY 163** **CA Notify 65** **S100178276**
N/A

SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

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120 **GREAT WESTERN BANK-MISSION HILLS** **CA HIST CORTESE** **S102769859**
333 WASHINGTON ST **CA LUST** **N/A**
SAN DIEGO, CA 92103

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT3518

LUST:
Region: STATE
Global Id: T0607302286
Latitude: 32.7498522
Longitude: -117.1624169
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 09/04/1998
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3518
LOC Case Number: H34133-001
File Location: Local Agency
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:
Global Id: T0607302286
Status: Completed - Case Closed
Status Date: 09/04/1998

Global Id: T0607302286
Status: Open - Case Begin Date
Status Date: 08/26/1994

Regulatory Activities:
Global Id: T0607302286
Action Type: ENFORCEMENT
Date: 07/02/1998
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607302286
Action Type: ENFORCEMENT

GREAT WESTERN BANK-MISSION HILLS (Continued) **S102769859**

Date: 08/29/1994
Action: Notice of Responsibility

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3518
Local Case: H34133-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 08/26/1994
Date Stopped: 08/26/1994
Confirm Date: 08/26/1994
Submit Workplan: Not reported
Prelim Assess: 10/10/1994
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 08/26/1994
Enforce Date: 8/29/94
Closed Date: 9/3/98
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 80'
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

---

120 **GREAT WESTERN BANK-MISSION HILLS** **CA SAN DIEGO CO. SAM** **S108407069**
333 WASHINGTON ST **N/A**
SAN DIEGO, CA 92103

SAN DIEGO CO. SAM:
Case Number: H34133-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 9/4/1998
Date Began: 8/26/1994

120 **HILLCREST SHELL** **CA HIST CORTESE** **S104582778**
330 WASHINGTON ST **CA LUST** **N/A**
SAN DIEGO, CA 92103

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3663

LUST:

Region:	STATE
Global Id:	T0607390958
Latitude:	32.7501601875955
Longitude:	-117.161808013916
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	12/28/2006
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	JS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
LOC Case Number:	H12774-002
File Location:	Local Agency
Potential Media Affect:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607390958
Contact Type:	Local Agency Caseworker
Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607390958
Status:	Completed - Case Closed
Status Date:	12/28/2006
Global Id:	T0607390958
Status:	Open - Case Begin Date
Status Date:	06/19/2003

Regulatory Activities:

Global Id:	T0607390958
Action Type:	Other
Date:	06/19/2003
Action:	Leak Began
Global Id:	T0607390958
Action Type:	Other
Date:	06/19/2003

HILLCREST SHELL (Continued) **S104582778**

Action: Leak Discovery

Global Id: T0607390958
Action Type: Other
Date: 06/19/2003
Action: Leak Stopped

Global Id: T0607390958
Action Type: Other
Date: 06/19/2003
Action: Leak Reported

Global Id: T0607390958
Action Type: ENFORCEMENT
Date: 06/26/2003
Action: Notice of Responsibility

Region: STATE
Global Id: T0607302428
Latitude: 32.7501308616919
Longitude: -117.161805331707
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/02/1999
Lead Agency: SAN DIEGO COUNTY LOP
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 9UT3663
LOC Case Number: H12774-001
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id: T0607302428
Status: Completed - Case Closed
Status Date: 11/02/1999

Global Id: T0607302428
Status: Open - Case Begin Date
Status Date: 04/22/1998

Regulatory Activities:

Global Id: T0607302428
Action Type: Other
Date: 04/22/1998
Action: Leak Began

Global Id: T0607302428
Action Type: ENFORCEMENT
Date: 11/02/1999
Action: Closure/No Further Action Letter - #H12774-001

HILLCREST SHELL (Continued) **S104582778**

Global Id: T0607302428
Action Type: Other
Date: 04/22/1998
Action: Leak Discovery

Global Id: T0607302428
Action Type: Other
Date: 04/22/1998
Action: Leak Stopped

Global Id: T0607302428
Action Type: ENFORCEMENT
Date: 06/01/1998
Action: Notice of Responsibility

Global Id: T0607302428
Action Type: Other
Date: 05/05/1998
Action: Leak Reported

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120 **SHELL SERVICE STATION** **CA LUST** **S104539607**
330 WASHINGTON ST **CA SWEEPS UST** **N/A**
SAN DIEGO, CA 92103 **CA EMI**

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT3663
Local Case: H12774-001
Substance: Waste Oil
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Other Means
Source: Piping
Cause: Unknown
Lead Agency: Local Agency
Case Type: Soil only
Date Found: 04/22/1998
Date Stopped: 04/22/1998
Confirm Date: 05/05/1998
Submit Workplan: 6/1/98
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 05/05/1998
Enforce Date: 5/14/98
Closed Date: 11/2/99
Enforce Type: SEL
Pilot Program: LOP
Basin Number: 908.21
GW Depth: >80
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported

SHELL SERVICE STATION (Continued) **S104539607**

Priority: 3A
File Dispn: Administratively opened on database, however no file physically exists
Interim Remedial Actions: Not reported
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SWEEPS UST:
Status: Active
Comp Number: 12774
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012774-000005
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 4

Status: Active
Comp Number: 12774
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012774-000006
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 12774
Number: 9
Board Of Equalization: 44-000074
Referral Date: Not reported
Action Date: 06-26-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 37-000-012774-000007
Tank Status: A
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

SHELL SERVICE STATION (Continued) **S104539607**

Status:	Active
Comp Number:	12774
Number:	9
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012774-000008
Tank Status:	A
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12774
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012774-000001
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Not reported
Comp Number:	12774
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012774-000002
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	Not reported
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12774
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported

SHELL SERVICE STATION (Continued) **S104539607**

Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012774-000003
Tank Status:	Not reported
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

Status:	Not reported
Comp Number:	12774
Number:	Not reported
Board Of Equalization:	44-000074
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012774-000004
Tank Status:	Not reported
Capacity:	8000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	Not reported

EMI:

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2

SHELL SERVICE STATION (Continued) **S104539607**

Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.17476
Reactive Organic Gases Tons/Yr:	2.17476
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

SHELL SERVICE STATION (Continued) **S104539607**

Year:	2005
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.17476
Reactive Organic Gases Tons/Yr:	2.17476
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2006
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.19
Reactive Organic Gases Tons/Yr:	2.19
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2007
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.19
Reactive Organic Gases Tons/Yr:	2.19
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2008
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541

SHELL SERVICE STATION (Continued) **S104539607**

Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.19
Reactive Organic Gases Tons/Yr:	2.19
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2009
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1899999999999999
Reactive Organic Gases Tons/Yr:	2.1899999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2010
County Code:	37
Air Basin:	SD
Facility ID:	1347
Air District Name:	SD
SIC Code:	5541
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.1899999999999999
Reactive Organic Gases Tons/Yr:	2.1899999999999999
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

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120 **HILLCREST SHELL** **CA UST** **U003789375**
330 WASHINGTON ST **CA San Diego Co. HMMD** **N/A**
SAN DIEGO, CA 92103 **CA SAN DIEGO CO. SAM**

UST:

Facility ID:	H12774
Permitting Agency:	SAN DIEGO COUNTY
Latitude:	32.751557
Longitude:	-117.160599

SAN DIEGO CO. HMMD:

Facility Id:	112774

HILLCREST SHELL (Continued) **U003789375**

Business Type:	6HK29
EPA Id Number:	CAL000005565
APN:	444-522-31-00
Last HMMD Inspection:	07/20/2006
Permit Status:	CHNG
Permit Expiration:	11/30/2007
Facility Owner:	SHELL OIL COMPANY
Facility Address:	20945 S. WILMINGTON AVE
Facility City:	CARSON
Facility State:	CA
Facility Zip:	90810
UST Owner:	EQUILON ENTERPRISES LLC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112774 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	SINGLE WALL
Additional Id:	1
Capacity Gallons:	8000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-12-16 00:00:00
Year Installed:	1968-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	18
UST Monitor Method:	DW TNK SW PRESSURE PIPE W/ SHUTOFF LLD: INTERSTITIAL, PIPE TEST ANNUALLY 0.1 GAL/HR OR MONTHLY 0.2 GAL/HR

UST Name:	UNDERGROUND TANK 112774 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	SINGLE WALL
Additional Id:	2
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1986-12-16 00:00:00
Year Installed:	1968-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112774 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	SINGLE WALL

HILLCREST SHELL (Continued) **U003789375**

Additional Id:	3
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1986-12-16 00:00:00
Year Installed:	1968-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112774 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-12-16 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112774 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112774 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported

HILLCREST SHELL (Continued) **U003789375**

Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112774 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED
Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112774 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	112774
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL
Facility Id:	208372
Business Type:	6HK29
EPA Id Number:	CAL000316016
APN:	444-522-31-00
Last HMMD Inspection:	07/12/2012
Permit Status:	OPEN
Permit Expiration:	06/30/2013
Facility Owner:	YOUNAN INVERMENT #1, INC
Facility Address:	330 WASHINGTON ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103
UST Owner:	YOUNAN INVERMENT #1, INC
Handle Regulated Hazmat:	Y
Own Or Operate UST:	Y

HILLCREST SHELL (Continued) **U003789375**

Subject To APSA: Not reported
Generate Haz Waste: Y
Treat Haz Waste: Not reported
Generate Medical Waste: Not reported

UST:

UST Name: UNDERGROUND TANK 112774 T001
Last Update: 2012-11-02 14:17:38
Permit Number: 208372
Tank Type: SINGLE WALL
Additional Id: 1
Capacity Gallons: 8000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-12-16 00:00:00
Year Installed: 1968-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 18
UST Monitor Method: DW TNK SW PRESSURE PIPE W/ SHUTOFF LLD: INTERSTITIAL, PIPE TEST ANNUALLY 0.1 GAL/HR OR MONTHLY 0.2 GAL/HR

UST Name: UNDERGROUND TANK 112774 T002
Last Update: 2012-11-02 14:17:38
Permit Number: 208372
Tank Type: SINGLE WALL
Additional Id: 2
Capacity Gallons: 550
UST Contents: Not reported
Other Content Info: WASTE OIL
Reg Status: REMOVED
Remove Close Date: 1986-12-16 00:00:00
Year Installed: 1968-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 112774 T003
Last Update: 2012-11-02 14:17:38
Permit Number: 208372
Tank Type: SINGLE WALL
Additional Id: 3
Capacity Gallons: 5000
UST Contents: REGULAR UNLEADED
Other Content Info: REGULAR UNLEADED
Reg Status: REMOVED
Remove Close Date: 1986-12-16 00:00:00
Year Installed: 1968-01-01 00:00:00
Pipe Type: Not reported
Delivery System: Not reported
Monitor Code: 90
UST Monitor Method: NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name: UNDERGROUND TANK 112774 T004

HILLCREST SHELL (Continued) **U003789375**

Last Update:	2012-11-02 14:17:38
Permit Number:	208372
Tank Type:	SINGLE WALL
Additional Id:	4
Capacity Gallons:	8000
UST Contents:	LEADED
Other Content Info:	LEADED
Reg Status:	REMOVED
Remove Close Date:	1986-12-16 00:00:00
Year Installed:	1971-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

UST Name:	UNDERGROUND TANK 112774 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	208372
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375, RT4676 ; RT 5350; RT 5493
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112774 T006
Last Update:	2012-11-02 14:17:38
Permit Number:	208372
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375, RT4676; RT5350; RT5493
Capacity Gallons:	10000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF

UST Name:	UNDERGROUND TANK 112774 T007
Last Update:	2012-11-02 14:17:38
Permit Number:	208372
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375, RT4676; RT5350; RT5493
Capacity Gallons:	10000
UST Contents:	PREMIUM UNLEADED

HILLCREST SHELL (Continued) **U003789375**

Other Content Info:	PREMIUM UNLEADED
Reg Status:	ACTIVE
Remove Close Date:	Not reported
Year Installed:	1985-01-01 00:00:00
Pipe Type:	DOUBLE WALL
Delivery System:	PRESSURE
Monitor Code:	30D
UST Monitor Method:	DW TANK, DW PRESSURIZED PIPE W/ WET TANK ANNULAR; POSITIVE SHUT-OFF & FAILSAFE, 0.1 LLD; UDC W/ POSITIVE SHUT-OFF
UST Name:	UNDERGROUND TANK 112774 T008
Last Update:	2012-11-02 14:17:38
Permit Number:	208372
Tank Type:	DOUBLE WALL
Additional Id:	RT0838, RT3375, RT4676/AT5501
Capacity Gallons:	550
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	2011-04-15 00:00:00
Year Installed:	1985-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	GRAVITY
Monitor Code:	21
UST Monitor Method:	DW TANK DW SUCTION AND/ OR GRAVITY PIPING WITH INTERSTITIAL MONITORS: INTERSTITIAL

Active Permits:

Facility Id:	208372
Update Date:	11/02/2012
Case Number:	8006-61-9
Name:	REGULAR UNLEADED
Other Information:	UNDERGROUND TANK 112774 T005
Material Waste:	Material
Hazardous Categories 1:	FIRE
Hazardous Categories 2:	Not reported
Facility Id:	208372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 352 ORGANIC SOLIDS (OTHER)
Other Information:	USED FUEL DISPENSER FILTER/USED SPILL KIT MATERIALS
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	208372
Update Date:	11/02/2012
Case Number:	Not reported
Name:	WASTE 134 AQUEOUS SOL'N W/LESS 10% ORG
Other Information:	SUMP WATER
Material Waste:	Waste
Hazardous Categories 1:	Not reported
Hazardous Categories 2:	Not reported
Facility Id:	208372
Update Date:	11/02/2012

HILLCREST SHELL (Continued) **U003789375**

Case Number: Not reported
Name: SOAP (CAR WASH)
Other Information: Not reported
Material Waste: Material
Hazardous Categories 1: CHRONIC
Hazardous Categories 2: Not reported

Facility Id: 208372
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: PREMIUM UNLEADED
Other Information: UNDERGROUND TANK 112774 T007
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Facility Id: 208372
Update Date: 11/02/2012
Case Number: 8006-61-9
Name: REGULAR UNLEADED
Other Information: UNDERGROUND TANK 112774 T006
Material Waste: Material
Hazardous Categories 1: FIRE
Hazardous Categories 2: Not reported

Violations Active Permits:
Facility Id: 208372
Update Date: 11/02/2012
Inspection Date: 07/12/2012
Violation Code: 6HV3263
Violation: MONITOR SYSTEM NOT ALL FUNCTIONAL
Violation Citation: Monitoring system components &/or devices are not all functional. 2630, 2641(j), 2632
Activity: ACTIVE

SAN DIEGO CO. SAM:
Case Number: H12774-002
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Closed Case
Date: 12/28/2006
Date Began: 6/19/2003

Case Number: H12774-001
Agency: DEH Site Assessment & Mitigation
Funding: **LOP - Federal Fund**
Facility Type: Soils Only
Facility Status: Closed Case
Date: 11/2/1999
Date Began: 4/22/1998

121 **MIDWAY DRIVE (A.K.A. CAUSEWAY)** **CA ENVIROSTOR** **S107736739**
N/A

SAN DIEGO, CA

ENVIROSTOR:

Facility ID:	80001106
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	32.75
Longitude:	-117.2083
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	Causeway
Alias Type:	Alternate Name
Alias Name:	CA99799FA43300
Alias Type:	Federal Facility ID
Alias Name:	J09CA7406
Alias Type:	INPR
Alias Name:	80001106
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	08/24/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

122 **SAM LEE AUTO REPAIR**
724 W WASHINGTON
SAN DIEGO, CA 92103

RCRA-SQG **1000122152**
FINDS **CAD050640101**
CA HIST CORTESE
CA LUST
CA SLIC
CA HIST UST
CA SWEEPS UST
CA San Diego Co. HMMD
CA HAZNET
CA SAN DIEGO CO. SAM

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SAM LEE AUTO REPAIR
Facility address:	724 W WASHINGTON SAN DIEGO, CA 92103
EPA ID:	CAD050640101
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TINH MA
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(415) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

SAM LEE AUTO REPAIR (Continued) **1000122152**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/24/1986
Site name: SAM LEE AUTO REPAIR
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/14/1994
Date achieved compliance: 07/14/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 03/01/1993
Date achieved compliance: 07/14/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 12/11/1992
Date achieved compliance: 03/01/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

SAM LEE AUTO REPAIR (Continued) **1000122152**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 11/21/1991
Date achieved compliance: 12/11/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/14/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 03/01/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/14/1994
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/11/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/01/1993
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/21/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/11/1992
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002648065

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SAM LEE AUTO REPAIR (Continued) **1000122152**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT3033

LUST:

Region:	STATE
Global Id:	T0607301802
Latitude:	32.7499687
Longitude:	-117.1700518
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	05/14/2003
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	JS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT3033
LOC Case Number:	H12926-002
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Contact:

Global Id:	T0607301802
Contact Type:	Local Agency Caseworker
Contact Name:	JON SENAHA
Organization Name:	SAN DIEGO COUNTY LOP
Address:	P.O. Box 129261
City:	San Diego
Email:	jon.senaha@sdcounty.ca.gov
Phone Number:	Not reported

Status History:

Global Id:	T0607301802
Status:	Completed - Case Closed
Status Date:	05/14/2003
Global Id:	T0607301802
Status:	Open - Case Begin Date
Status Date:	12/28/1994

Regulatory Activities:

Global Id:	T0607301802
Action Type:	Other
Date:	12/28/1994
Action:	Leak Began
Global Id:	T0607301802
Action Type:	Other
Date:	12/28/1994
Action:	Leak Discovery

SAM LEE AUTO REPAIR (Continued) **1000122152**

Global Id: T0607301802
Action Type: Other
Date: 12/28/1994
Action: Leak Stopped

Global Id: T0607301802
Action Type: ENFORCEMENT
Date: 04/27/1995
Action: Notice of Responsibility

Global Id: T0607301802
Action Type: Other
Date: 12/28/1994
Action: Leak Reported

LUST REG 9:
Region: 9
Status: Preliminary site assessment underway
Case Number: 9UT3033
Local Case: H12926-002
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Tank Closure
How Stopped: Close Tank
Source: Tank
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 12/28/1994
Date Stopped: 12/28/1994
Confirm Date: / /
Submit Workplan: Not reported
Prelim Assess: 02/21/1995
Desc Pollution: Not reported
Remed Plan: / /
Remed Action: Not reported
Began Monitor: Not reported
Release Date: 12/28/1994
Enforce Date: Not reported
Closed Date: Not reported
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.22
GW Depth: Not reported
Beneficial Use: NBNOCB/E
NPDES Number: Not reported
Priority: 2B
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:

SAM LEE AUTO REPAIR (Continued) **1000122152**

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	03/10/1995
Global Id:	T0608167222
Lead Agency:	SAN DIEGO COUNTY LOP
Lead Agency Case Number:	H12926-001
Latitude:	32.750102
Longitude:	-117.170005
Case Type:	Cleanup Program Site
Case Worker:	TVS
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST UST:

Region:	STATE
Facility ID:	00000013338
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	SAM LEE
Telephone:	6195746699
Owner Name:	WESTERN SALT COMPANY
Owner Address:	702 W. WASHINGTON STREET
Owner City,St,Zip:	SAN DIEGO, CA 92103
Total Tanks:	0004

Tank Num:	001
Container Num:	WSG1
Year Installed:	1958
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	002
Container Num:	WSG2
Year Installed:	1958
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	003
Container Num:	WSG3
Year Installed:	1958
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

SAM LEE AUTO REPAIR (Continued) **1000122152**

Tank Num:	004
Container Num:	WS01
Year Installed:	1958
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

SWEEPS UST:

Status:	Active
Comp Number:	12926
Number:	9
Board Of Equalization:	44-022668
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012926-000001
Tank Status:	A
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	4

Status:	Active
Comp Number:	12926
Number:	9
Board Of Equalization:	44-022668
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012926-000002
Tank Status:	A
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	12926
Number:	9
Board Of Equalization:	44-022668
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012926-000003
Tank Status:	A
Capacity:	5000
Active Date:	Not reported
Tank Use:	M.V. FUEL

SAM LEE AUTO REPAIR (Continued) **1000122152**

STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	12926
Number:	9
Board Of Equalization:	44-022668
Referral Date:	Not reported
Action Date:	06-26-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	37-000-012926-000004
Tank Status:	A
Capacity:	280
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	W
Content:	Not reported
Number Of Tanks:	Not reported

SAN DIEGO CO. HMMD:

Facility Id:	112926
Business Type:	Not reported
EPA Id Number:	CAD050640101
APN:	444-413-05-00
Last HMMD Inspection:	02/03/2000
Permit Status:	INAC
Permit Expiration:	Not reported
Facility Owner:	MA TINH
Facility Address:	724 W WASHINGTON ST
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-1938
UST Owner:	WESTERN SALT CO
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Y
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 112926 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	112926
Tank Type:	SINGLE WALL
Additional Id:	WSG1 UNLEADED
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-12-27 00:00:00
Year Installed:	1958-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05

SAM LEE AUTO REPAIR (Continued) **1000122152**

UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112926 T002
Last Update:	2012-11-02 14:17:38
Permit Number:	112926
Tank Type:	SINGLE WALL
Additional Id:	WSG2 UNLEADED
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-12-27 00:00:00
Year Installed:	1958-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112926 T003
Last Update:	2012-11-02 14:17:38
Permit Number:	112926
Tank Type:	SINGLE WALL
Additional Id:	WSG3 UNLEADED
Capacity Gallons:	5000
UST Contents:	REGULAR UNLEADED
Other Content Info:	REGULAR UNLEADED
Reg Status:	REMOVED
Remove Close Date:	1994-12-28 00:00:00
Year Installed:	1958-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	05
UST Monitor Method:	SW TANK DW PIPE W/ POS SHUTOFF-ALARM ON LLD W/ SIRS:SIR ANALY MONTHLY, TANK TEST BIENNIALLY, PIPE TEST ANN 0.1 G/HR OR MO 0.2 G/HR
UST Name:	UNDERGROUND TANK 112926 T004
Last Update:	2012-11-02 14:17:38
Permit Number:	112926
Tank Type:	SINGLE WALL
Additional Id:	WS01 WASTE OIL
Capacity Gallons:	280
UST Contents:	Not reported
Other Content Info:	WASTE OIL
Reg Status:	REMOVED
Remove Close Date:	1994-12-27 00:00:00
Year Installed:	1958-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY
UST Name:	UNDERGROUND TANK 112926 T005
Last Update:	2012-11-02 14:17:38
Permit Number:	112926

SAM LEE AUTO REPAIR (Continued) **1000122152**

Tank Type:	UNKNOWN
Additional Id:	AT4668
Capacity Gallons:	150
UST Contents:	Not reported
Other Content Info:	OTHER - SPECIFY
Reg Status:	REMOVED
Remove Close Date:	Not reported
Year Installed:	Not reported
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	90
UST Monitor Method:	NO MONITORING ALTERNATIVE SELECTED. VERIFY AND ENTER MONITORING ALTERNATIVE DURING INSPECTION.

HAZNET:

envid:	1000122152
Year:	1994
GEPAID:	CAD050640101
Contact:	TINH MA
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	724 W WASHINGTON ST
Mailing City,St,Zip:	SAN DIEGO, CA 921031938
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified aqueous solution
Disposal Method:	Recycler
Tons:	3.1275
Facility County:	San Diego

SAN DIEGO CO. SAM:

Case Number:	H12926-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**Non Billable**
Facility Type:	Failed Integrity Test
Facility Status:	Closed Case
Date:	3/10/1995
Date Began:	12/10/1987

Case Number:	H12926-002
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - Federal Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	5/14/2003
Date Began:	12/28/1994

123 **AT&T COMMUNICATIONS INC** **CA HIST CORTESE** **S104749843**
3940 07TH AV **CA LUST** **N/A**
SAN DIEGO, CA 92103 **CA San Diego Co. HMMD**
CA SAN DIEGO CO. SAM

HIST CORTESE:

Region:	CORTESE
Facility County Code:	37
Reg By:	LTNKA
Reg Id:	9UT2882

LUST:

Region:	STATE
Global Id:	T0607301644
Latitude:	32.749032
Longitude:	-117.158562
Case Type:	LUST Cleanup Site
Status:	Completed - Case Closed
Status Date:	08/21/1989
Lead Agency:	SAN DIEGO COUNTY LOP
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	9UT2882
LOC Case Number:	H21383-001
File Location:	Local Agency
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Status History:

Global Id:	T0607301644
Status:	Open - Case Begin Date
Status Date:	05/31/1989

Global Id:	T0607301644
Status:	Completed - Case Closed
Status Date:	08/21/1989

Regulatory Activities:

Global Id:	T0607301644
Action Type:	Other
Date:	05/31/1989
Action:	Leak Began

Global Id:	T0607301644
Action Type:	Other
Date:	05/31/1989
Action:	Leak Discovery

Global Id:	T0607301644
Action Type:	Other
Date:	05/31/1989
Action:	Leak Stopped

Global Id:	T0607301644
Action Type:	Other
Date:	05/31/1989

AT&T COMMUNICATIONS INC (Continued) **S104749843**

Action: Leak Reported

SAN DIEGO CO. HMMD:

Facility Id:	121383
Business Type:	6HK03
EPA Id Number:	Not reported
APN:	452-093-01-00
Last HMMD Inspection:	03/31/1989
Permit Status:	INAC
Permit Expiration:	03/31/1989
Facility Owner:	AT&T COMMINICATIONS INC
Facility Address:	650 ROBINSON AV #183
Facility City:	SAN DIEGO
Facility State:	CA
Facility Zip:	92103-4326
UST Owner:	AT&T COMMINICATIONS INC
Handle Regulated Hazmat:	Not reported
Own Or Operate UST:	Not reported
Subject To APSA:	Not reported
Generate Haz Waste:	Not reported
Treat Haz Waste:	Not reported
Generate Medical Waste:	Not reported

UST:

UST Name:	UNDERGROUND TANK 121383 T001
Last Update:	2012-11-02 14:17:38
Permit Number:	121383
Tank Type:	SINGLE WALL
Additional Id:	B56K711
Capacity Gallons:	3000
UST Contents:	DIESEL
Other Content Info:	DIESEL
Reg Status:	REMOVED
Remove Close Date:	1989-10-02 00:00:00
Year Installed:	1970-01-01 00:00:00
Pipe Type:	Not reported
Delivery System:	Not reported
Monitor Code:	07
UST Monitor Method:	SW TANK SW PRESSURE PIPE W/RESTRICTIVE LLD W/DAILY RECONCILIATION OR WEEKLY GAUGING: TANK AND PIPE TEST ANNUALLY

SAN DIEGO CO. SAM:

Case Number:	H21383-001
Agency:	DEH Site Assessment & Mitigation
Funding:	**LOP - State Fund**
Facility Type:	Soils Only
Facility Status:	Closed Case
Date:	8/21/1989
Date Began:	5/31/1989

124 **GRANT K8 SCHOOL PHASE 1** **CA SWF/LF** **S112954916**
1425 WASHINGTON PLACE **CA NPDES** **N/A**
SAN DIEGO, CA 92103 **CA HAZNET**

SWF/LF (SWIS):

Region:	STATE
Facility ID:	37-CR-0126
Lat/Long:	32.7485399 / -117.17637
Owner Name:	San Diego Unified School District
Owner Telephone:	8585735731
Owner Address:	Not reported
Owner Address2:	4860 Ruffner St. Annex # 11
Owner City,St,Zip:	San Diego, CA 92111
Operational Status:	Closed
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Solid Waste Disposal Site
Regulation Status:	Unpermitted
Landuse Name:	Not reported
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Semiannual
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	37-CR-0126
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	32.7485399 / -117.17637

NPDES:

Npdes Number:	CAS000002
Facility Status:	Active
Agency Id:	0
Region:	9
Regulatory Measure Id:	450313
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	9 37C372544
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/30/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	San Diego Unified School District

GRANT K8 SCHOOL PHASE 1 (Continued) **S112954916**

Discharge Address:	4860 Ruffner Street
Discharge City:	San Diego
Discharge State:	California
Discharge Zip:	92111
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported
OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported

GRANT K8 SCHOOL PHASE 1 (Continued) **S112954916**

PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	9
Regulatory Measure Id:	450313
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	9 37C372544
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	03/16/2015
PROCESSED DATE:	03/30/2015
STATUS CODE NAME:	Active
STATUS DATE:	03/30/2015
PLACE SIZE:	7.13
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Gary Stanford
FACILITY CONTACT TITLE:	Director Project Management
FACILITY CONTACT PHONE:	585-637-6280
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	gstanford1@sandi.net
OPERATOR NAME:	San Diego Unified School District
OPERATOR ADDRESS:	4860 Ruffner Street
OPERATOR CITY:	San Diego
OPERATOR STATE:	California
OPERATOR ZIP:	92111
OPERATOR CONTACT NAME:	Gary Stanford
OPERATOR CONTACT TITLE:	Director Project Management
OPERATOR CONTACT PHONE:	585-637-6280
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	gstanford1@sandi.net
OPERATOR TYPE:	Special District
DEVELOPER NAME:	San Diego Unified School District
DEVELOPER ADDRESS:	4860 Ruffner Street
DEVELOPER CITY:	San Diego
DEVELOPER STATE:	California
DEVELOPER ZIP:	92111
DEVELOPER CONTACT NAME:	Gary Stanford
DEVELOPER CONTACT TITLE:	Director Project Management
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N

GRANT K8 SCHOOL PHASE 1 (Continued) **S112954916**

CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Educational
CONSTYPE OTHER IND:	Y
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Gary Stanford
CERTIFIER TITLE:	Director of Project Mgt.
CERTIFICATION DATE:	16-MAR-15
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

HAZNET:

envid:	S112954916
Year:	2006
GEPAID:	CAC002605940
Contact:	JOE KINKEAD/ASBESTOS INSPECTOR
Telephone:	8586277255
Mailing Name:	Not reported
Mailing Address:	4860 RUFFNER ST
Mailing City,St,Zip:	SAN DIEGO, CA 92111
Gen County:	Not reported
TSD EPA ID:	AZC950823111
TSD County:	Not reported
Waste Category:	Asbestos containing waste
Disposal Method:	Disposal, Land Fill
Tons:	0.33
Facility County:	San Diego

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125 **CA Notify 65** **S100178151**
3927 1ST AVE **N/A**
SAN DIEGO, CA 92103

NOTIFY 65:

Date Reported:	Not reported
Staff Initials:	Not reported
Board File Number:	Not reported
Facility Type:	Not reported
Discharge Date:	Not reported
Incident Description:	92103-3015

126 **PACIFICA COMPANIES**
4350 PACIFIC HIGHWAY
SAN DIEGO, CA 92110

CA HIST CORTESE **S102429281**
CA LUST **N/A**
CA SLIC
CA ENVIROSTOR

HIST CORTESE:
Region: CORTESE
Facility County Code: 37
Reg By: LTNKA
Reg Id: 9UT201

LUST REG 9:
Region: 9
Status: Case Closed
Case Number: 9UT201
Local Case: H28826-001
Substance: Gasoline
Qty Leaked: 0
Abate Method: Not reported
Local Agency: San Diego
How Found: Other Means
How Stopped: Not reported
Source: Unknown
Cause: Unknown
Lead Agency: Local Agency
Case Type: Other ground water affected
Date Found: 05/02/1986
Date Stopped: 05/07/1986
Confirm Date: 05/07/1986
Submit Workplan: Not reported
Prelim Assess: / /
Desc Pollution: Not reported
Remed Plan: 11/04/1986
Remed Action: 1/1/80
Began Monitor: Not reported
Release Date: 05/07/1986
Enforce Date: Not reported
Closed Date: 11/12/91
Enforce Type: Not reported
Pilot Program: LOP
Basin Number: 908.21
GW Depth: 7 FT
Beneficial Use: No Beneficial groundwater use
NPDES Number: Not reported
Priority: Low priority. Priority ranking can change over time.
File Dispn: File discarded, case closed
Interim Remedial Actions: Yes
Cleanup and Abatement order Number: Not reported
Waste Discharge Requirement Number: Not reported

SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 05/31/2012
Global Id: T06019769955
Lead Agency: SAN DIEGO COUNTY LOP
Lead Agency Case Number: H28826-003
Latitude: 32.7481569806026

PACIFICA COMPANIES (Continued) **S102429281**

Longitude:	-117.199144363403
Case Type:	Cleanup Program Site
Case Worker:	KK
Local Agency:	SAN DIEGO COUNTY LOP
RB Case Number:	9UT201
File Location:	Local Agency
Potential Media Affected:	Soil Vapor
Potential Contaminants of Concern:	Gasoline
Site History:	The site consists of approximately 1.92 acres in the shape of a wedge located between Sports Arena Boulevard and Pacific Highway, approximately 500 feet northwest of their intersection. Pacifica Companies (now Pacific Groves LTD), entered the Department of Environmental Health (DEH), Voluntary Assistance Program (VAP) in January 2004 in anticipation of site redevelopment activities in areas where soil and groundwater impacts associated with underground storage tank (UST) cases H28826-001 and H28826-002 were known to exist. The VAP application indicated that the property owner intended to conduct a vapor risk evaluation and excavation of hydrocarbon-impacted soil at the site to alleviate any potential vapor risks. The majority of assessment activities related to VAP case H28826-003 were conducted under previous UST cases H28826-001 and H28826-002, which were closed in November 1991 and February 2007, respectively. The primary focus of this VAP case, H28826-003, was to evaluate vapor risk for the site, which had not been conducted in accordance with the Site Assessment and Mitigation Manual under the previous UST cases. Historically, the site was reportedly occupied by two large warehouse/storage facilities and one 550 gallon gasoline UST until the late 1980s. Prior to redevelopment to the existing configuration, the site was utilized as a Park-N-Ride facility with a single story garage. Currently the site is developed as a self storage center with three slab on grade structures and associated parking. Hydrocarbon-impacts observed at the subject site were primarily related to the property to the north, located at 4370 Pacific Highway, identified as unauthorized release case H28656-001. Hydrocarbon impacts, including liquid-phase hydrocarbons (LPH), migrated south impacting the subject site and were subsequently mitigated through excavation and groundwater pump and treat activities. These remedial activities significantly reduced hydrocarbon concentrations based on subsequent investigations, however soil vapor sampling indicated the presence of hydrocarbon impacts beneath the human occupied (office) portion of the existing storage facility. The detection of soil vapor impacts from soil vapor probes installed and sampled in 2005 and several insufficient vapor risk evaluations prompted DEH to request additional vapor risk evaluation be conducted. DEH staff ultimately completed the vapor risk evaluation utilizing default input values with the exception of the appropriate slab attenuation factor of 0.01. Taking a simple average of the most recent (2005) vapor risk data for benzene and ethylbenzene, collected from appropriate locations beneath or in close proximity to the existing human occupied portion of the building, the cumulative risk was calculated to be 7.73x10-7, which is less than the 1x10-6 SAM risk threshold. The consultant concluded that the current site use as slab on grade commercial is protective of human health. It is the consultants opinion that no further action is necessary at the site. Based on the provided data, the County of San Diego, Department of Environmental Health agrees with this conclusion.

PACIFICA COMPANIES (Continued) **S102429281**

Click here to access the California GeoTracker records for this facility:

ENVIROSTOR:

Facility ID:	37000022
Status:	Refer: 1248 Local Agency
Status Date:	01/27/2004
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	78
Senate:	39
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	32.74876
Longitude:	-117.2000
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	37000022
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

127 **CA Notify 65** **S100178368**
600 BUSH ST **N/A**
SAN DIEGO, CA 92103

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 92103-2910

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128 **CANYON WEST OF HWY 163 & SOUTH OF ROBINSON** **CA Notify 65** **S100178022**
SAN DIEGO, CA **N/A**

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

---

129 **SAN DIEGO GUN TOWER #4** **CA ENVIROSTOR** **S107737238**
N/A

SAN DIEGO, CA

ENVIROSTOR:
Facility ID: 80000455
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 32.74583
Longitude: -117.2
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F560400
Alias Type: Federal Facility ID
Alias Name: J09CA0602

SAN DIEGO GUN TOWER #4 (Continued) **S107737238**

Alias Type: INPR
Alias Name: 80000455
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

---

130 **OLD TOWN TROLLEY** **CA ENVIROSTOR** **S111120547**
2105-2115 KURTZ ST **N/A**
SAN DIEGO, CA 92110

ENVIROSTOR:
Facility ID: 60001518
Status: Refer: RWQCB
Status Date: 03/06/2013
Site Code: 401592
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: H. Alan Hsu
Supervisor: Manny Alonzo
Division Branch: Cleanup Cypress
Assembly: 76
Senate: 39
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 32.74446
Longitude: -117.1905
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: T0608155101
Alias Type: GeoTracker Global ID
Alias Name: T0608167536
Alias Type: GeoTracker Global ID
Alias Name: 401592
Alias Type: Project Code (Site Code)

OLD TOWN TROLLEY (Continued) **S111120547**

Alias Name: 60001518
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 10/17/2012
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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130 **PACIFIC SERVICES CO** **RCRA-SQG** **1000250154**
4085 PACIFIC HWY **FINDS** **CAD981579303**
SAN DIEGO, CA 92110 **CA SLIC**
CA DRYCLEANERS
CA HAZNET
CA EMI
CA ENVIROSTOR
CA SAN DIEGO CO. SAM

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: PACIFIC SERVICES CO
Facility address: 4085 PACIFIC HWY
SAN DIEGO, CA 92110
EPA ID: CAD981579303
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: THOMPSON V
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

PACIFIC SERVICES CO (Continued) **1000250154**

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/18/1986
Site name: PACIFIC SERVICES CO
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110013822587

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SLIC:
Region: STATE
Facility Status: **Open - Inactive**
Status Date: 03/29/2011
Global Id: T0608167536
Lead Agency: SAN DIEGO RWQCB (REGION 9)
Lead Agency Case Number: H00685-001

PACIFIC SERVICES CO (Continued) **1000250154**

Latitude:	32.7441775033589
Longitude:	-117.191172838211
Case Type:	Cleanup Program Site
Case Worker:	SAM
Local Agency:	Not reported
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern:	Other Chlorinated Hydrocarbons, Tetrachloroethylene (PCE)
Site History:	Transferred to the Regional Board 4/27/2011. No Funding or staff available to work on this case.

Click here to access the California GeoTracker records for this facility:

DRYCLEANERS:

EPA Id:	CAD981579303
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	04/10/1987
Facility Active:	No
Inactive Date:	06/30/2000
Facility Addr2:	Not reported
Owner Name:	TERISITA THOMPSON
Owner Address:	4085 PACIFIC HWY
Owner Address 2:	Not reported
Owner Telephone:	6192986060
Contact Name:	PHIL WARZEKA/GEN MGR
Contact Address:	INACT 00VQ FINAL NOTICE - BATCH
Contact Address 2:	4/10/01
Contact Telephone:	6192986060
Mailing Name:	Not reported
Mailing Address 1:	4085 PACIFIC HWY
Mailing Address 2:	Not reported
Mailing City:	SAN DIEGO
Mailing State:	CA
Mailing Zip:	921102029
Owner Fax:	Not reported
Region Code:	Not reported

HAZNET:

envid:	1000250154
Year:	2002
GEPAID:	CAD981579303
Contact:	PHIL WARZEKA/GEN MGR
Telephone:	6192986060
Mailing Name:	Not reported
Mailing Address:	4085 PACIFIC HWY
Mailing City,St,Zip:	SAN DIEGO, CA 921102029
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	0.39

PACIFIC SERVICES CO (Continued) **1000250154**

Facility County: San Diego

envid: 1000250154
Year: 2002
GEPAID: CAD981579303
Contact: PHIL WARZEKA/GEN MGR
Telephone: 6192986060
Mailing Name: Not reported
Mailing Address: 4085 PACIFIC HWY
Mailing City,St,Zip: SAN DIEGO, CA 921102029
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 0.45
Facility County: San Diego

envid: 1000250154
Year: 2001
GEPAID: CAD981579303
Contact: PHIL WARZEKA/GEN MGR
Telephone: 6192986060
Mailing Name: Not reported
Mailing Address: 4085 PACIFIC HWY
Mailing City,St,Zip: SAN DIEGO, CA 921102029
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 1.65
Facility County: San Diego

envid: 1000250154
Year: 2000
GEPAID: CAD981579303
Contact: PHIL WARZEKA/GEN MGR
Telephone: 6192986060
Mailing Name: Not reported
Mailing Address: 4085 PACIFIC HWY
Mailing City,St,Zip: SAN DIEGO, CA 921102029
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: 2.25
Facility County: San Diego

envid: 1000250154
Year: 1999
GEPAID: CAD981579303
Contact: TERISITA THOMPSON
Telephone: 6192986060
Mailing Name: Not reported
Mailing Address: 4085 PACIFIC HWY

PACIFIC SERVICES CO (Continued) **1000250154**

Mailing City,St,Zip:	SAN DIEGO, CA 921102029
Gen County:	Not reported
TSD EPA ID:	CAT000613976
TSD County:	Not reported
Waste Category:	Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	Transfer Station
Tons:	1.8900
Facility County:	San Diego

Click this hyperlink while viewing on your computer to access
9 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year:	1999
County Code:	37
Air Basin:	SD
Facility ID:	981
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2000
County Code:	37
Air Basin:	SD
Facility ID:	981
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2001
County Code:	37
Air Basin:	SD
Facility ID:	981
Air District Name:	SD
SIC Code:	7216
Air District Name:	SAN DIEGO COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1

PACIFIC SERVICES CO (Continued) **1000250154**

Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

ENVIROSTOR:

Facility ID:	60001520
Status:	Refer: RWQCB
Status Date:	03/06/2013
Site Code:	401594
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	H. Alan Hsu
Supervisor:	Manny Alonzo
Division Branch:	Cleanup Cypress
Assembly:	76
Senate:	39
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	32.74410
Longitude:	-117.1912
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	401594
Alias Type:	Project Code (Site Code)
Alias Name:	60001520
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	10/17/2012
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

PACIFIC SERVICES CO (Continued) **1000250154**

SAN DIEGO CO. SAM:
Case Number: H00685-001
Agency: DEH Site Assessment & Mitigation
Funding: **Non Billable**
Facility Type: GW With No Beneficial Use Designation
Facility Status: Preliminary Assessment
Date: 7/8/1993
Date Began: 7/8/1993

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130 **HANCOCK ST. SELF-STORAGE DEVELOPMENT** **CA ENVIROSTOR** **S106797710**
2150-2182 HANCOCK STREET **N/A**
SAN DIEGO, CA 92110

ENVIROSTOR:
Facility ID: 37420017
Status: Refer: 1248 Local Agency
Status Date: 11/13/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 76
Senate: Not reported
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 37420017
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

HANCOCK ST. SELF-STORAGE DEVELOPMENT (Continued) **S106797710**

Schedule Revised Date: Not reported

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131 **MFG PLANT ANX DPC, SAN DIEGO** **CA ENVIROSTOR** **S107737239**
N/A

SAN DIEGO, CA

ENVIROSTOR:
Facility ID: 80000457
Status: Inactive - Needs Evaluation
Status Date: 07/01/2005
Site Code: Not reported
Site Type: Military Evaluation
Site Type Detailed: FUDS
Acres: Not reported
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 78
Senate: 39
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 32.74527
Longitude: -117.1938
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA99799F560600
Alias Type: Federal Facility ID
Alias Name: J09CA0604
Alias Type: INPR
Alias Name: 80000457
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 06/26/1989
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

132 **300 BLK OF BROOKS AVE** **CA Notify 65** **S100178115**
N/A

SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

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132 **BROOKS ST AND FOURTH AVENUE** **CA Notify 65** **S100178322**
N/A

SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

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133 **EAST OF WAHINGTON AND INDIA ST** **CA Notify 65** **S100178348**
N/A

SAN DIEGO, CA

NOTIFY 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: Not reported

Count: 122 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL CAJON	S103472073	SHELL OIL PRODUCTS COMPANY	2404 EL CAJON BLVD	92104	CA LUST
SAN DEIGO	S105026099	U.S. NAVAL HOSPITAL, SAN	FLORIDA PL & PERSHING DR	92101	CA HIST CORTESE
SAN DEIGO	S105026106	RIVER VLY SPORTS CTR	2440 HOTEL PL	92109	CA HIST CORTESE
SAN DEIGO	S105026107	CROW VENTURES MGMT	120010 INDIA	92101	CA HIST CORTESE
SAN DEIGO	S105026118	CAMP ELLIOT, TIERRASANTA	NORTHERN PORTION OF SAN D	92103	CA HIST CORTESE
SAN DEIGO	S105026122	PUBLIC AUTO SERVICE	435060 PACIFIC	92110	CA HIST CORTESE
SAN DIEG	S117624732	BARRIOHAUS	1600 NATIONAL AVENUE	92101	CA SLIC
SAN DIEGO	S114620588	FIRST INTERNATIONAL BANK/LAND	2201 04TH AV		CA RGA LUST
SAN DIEGO	S108407000	CLINE RESIDENCE/FRMR PLATING SHOP	633 07TH AV	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S112889425	MV KARLA RENATA #536441	10TH AVE PIER BERTH 2	92101	CA HAZNET
SAN DIEGO	U001572539	BLK. 149 STA. A AREA	10TH & 11TH STREETS, N/O IMPER	92101	CA HIST UST
SAN DIEGO	S114680833	SAN DIEGO COMMUNITY COLLEGE	825 12TH STREET		CA RGA LUST
SAN DIEGO	S114680835	SAN DIEGO COMMUNITY COLLEGE	835 12TH ST		CA RGA LUST
SAN DIEGO	S106797667	TRIANGLE PROPERTY	65 13TH ST. & 1344 NATIONAL AVENUE	92101	CA ENVIROSTOR
SAN DIEGO	S112872008	APOSTOL COMMUNITY SERVICES	1425 & 1437 C STREET	92101	CA HAZNET
SAN DIEGO	S106893825	THE RENAISSANCE MARINA CENTER	1ST AVE/FRONT ST/G ST/MARKET ST	92101	CA ENVIROSTOR
SAN DIEGO	S106797704	ICON	312 & 354 11TH AVENUE	92101	CA ENVIROSTOR
SAN DIEGO	S108406973	CALTRANS	HY 8 BET TEXAS ST805	92108	CA SAN DIEGO CO. SAM
SAN DIEGO	S116289080	SD COMMUNITY COLLEGE DISTRICT SKILL CENTER	83512TH AV	92101	CA EMI
SAN DIEGO	1004678317	CITY OF SAN DIEGO WATER DEPT	8TH AND S W CORNER	92101	RCRA-SQG, CA HAZNET
SAN DIEGO	S106893820	9TH AND IMPERIAL	9TH STREET SOUTH OF IMPERIAL	92101	CA ENVIROSTOR
SAN DIEGO	S101311445	MURRAY CANYON DUMP	1 ML ABOVE MOUTH OF MURRAY CAN		CA WMUDS/SWAT
SAN DIEGO	S112832555	MISSION GORGE QUARRY MITIGATION PLAN	ADJACENT TO THE SAN DIEGO RIVER	92101	CA NPDES
SAN DIEGO	S114732902	SOUTH BAY LAND OUTFALL PHASE 1	ALIGNMENT ALONG MONUMENT RD TO PACIFIC O		CA RGA LF
SAN DIEGO	S105026083	UNIVERSITY INDUSTRIES	4464 ALVARADO CNYN	92120	CA HIST CORTESE
SAN DIEGO	S108226114	BAY FRONT STREET/CROSBY STREET RELEASE	BAY FRONT STREET	92101	CA SLIC
SAN DIEGO	S117290914	MV OCEAN STARR (RESEARCH VESSEL) IMO#7333195	BERTH B1	92101	CA HAZNET
SAN DIEGO	S112948311	MV JEAN ANNE IMO# 9233167	BERTH 24 & 25	92101	CA HAZNET
SAN DIEGO	S114580251	BARGAR WATER TREATMENT PLAN	505 BLACK CANYON PL		CA RGA LUST
SAN DIEGO	S114650037	MCRD BLDG COGENERATION PLAN	BLDG 224		CA RGA LUST
SAN DIEGO	S108407149	NAVAL OCEAN SYSTEMS CENTER	BLDG 15 CATALINA BL	92123	CA SAN DIEGO CO. SAM
SAN DIEGO	S106797694	LOTS 2 THRU 12 IN BLOCK 24 OF MIDDLETOWN	BLK BORDERED BY CEDAR,BEECH,STATE,UNION	92101	CA ENVIROSTOR
SAN DIEGO	S111292272	NORTH EMBARCADERO VISIONARY PLAN PHASE 1	BROADWAY AND HARBOR DRIVE	92101	CA NPDES
SAN DIEGO	S106797701	UNION SQUARE	1400,1434 BROADWAY & 1441 C STREET	92101	CA ENVIROSTOR
SAN DIEGO	S117338939	FHCSD PARKING LOT	0 EL CAJON BOULEVARD	92115	CA SLIC
SAN DIEGO	S108406992	CITICORP PLAZA	EL CAJON BL	92115	CA SAN DIEGO CO. SAM
SAN DIEGO	S101308175	VIP CEVROLET	3550 EL CAJON BLVD	92104	CA HIST CORTESE, CA LUST
SAN DIEGO	S106923433	BLUE SEAL LINEN AT0028	5802 CAMINO DEL RIO N	92108	CA SWEEPS UST
SAN DIEGO	S114614724	ENCINA POWER PLAN, SDG&E	4600 CARLSBAD BL		CA RGA LUST
SAN DIEGO	S106064042	GASOLINE TANKER ROLLOVER	805 CLAIREMONT MESA BLVD	92111	CA SLIC, CA San Diego Co. HMMD, CA SAN DIEGO CO. SAM
SAN DIEGO	1000363409	CLARK SIGNS INC	CLARK WILLIAM	92123	RCRA-SQG

Count: 122 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN DIEGO	1012175455	FORMER LINDBERGH FIELD PLANT	SW CORNER OF WASHINGTON	92101	RCRA NonGen / NLR
SAN DIEGO	S114605482	COMMUNITY TRANSIT SERVICES	8656 CUYAMACA ST		CA RGA LUST
SAN DIEGO	S106797678	INTERNATIONAL GATEWAY	N E OF WILLOW RD & TIA JUANA ST.	92101	CA ENVIROSTOR
SAN DIEGO	1004675539	TEXACO SERVICE STATION	3711 W EL CAMINO DEL RIO	92120	RCRA-SQG
SAN DIEGO	1010783737	KNSD ANNEX FAC	8260 0.5 ENGINEER RD	92111	RCRA-SQG
SAN DIEGO	U001573140	MISSION VALLEY LUMBER CO	5824 FAIRMOUNT AVE	92120	CA HIST UST, CA SWEEPS UST
SAN DIEGO	S114649923	MCMILLIN COMMUNITY RESID. P	FORESTER LN		CA RGA LUST
SAN DIEGO	S108407281	U S RENTALS	FRAZEE RD	92108	CA SAN DIEGO CO. SAM
SAN DIEGO	1008372086	SHELL SERVICE STATION NO 135906	4303 GENESEE	92109	RCRA-SQG
SAN DIEGO	S114708651	UCSD CENTRAL UTILITIES PLAN	9500 GILMAN DR		CA RGA LUST
SAN DIEGO	S112913111	MV JUBILEE SHIP	1140 N HARBOR DR/B ST PIER	92101	CA HAZNET
SAN DIEGO	S113174314	SHIP MV GALAXY 9106297	1140 N HARBOR DR B ST PIER 9106297	92101	CA HAZNET
SAN DIEGO	1001231395	MV RHAPSODY OF THE SEAS	1140 N HARBOR DR B ST PIER	92101	RCRA-SQG, FINDS
SAN DIEGO	1001231397	MV RHAPSODY OF THE SEAS	1140 N HARBOR DR (B ST PIER)	92101	RCRA-SQG
SAN DIEGO	U001572833	EXXON SERVICE STATION	2432 HOTEL CIRCLE	92110	CA HIST UST
SAN DIEGO	S106893822	9TH AND IMPERIAL	IMPERIAL AV BW WEST OF 8TH & EAST OF 9TH	92101	CA ENVIROSTOR
SAN DIEGO	S108407084	IMPERIAL AV 8TH> >9TH (VAP)	IMPERIAL/BTWN8TH&9TH	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S106797708	JACKSON & BLANC FACILITY	2015 INDIA/602 GRAPE/1970 COLUMBIA ST.	92101	CA ENVIROSTOR
SAN DIEGO	S112888112	A APARTMENT COMMUNITY	3883 INGHRAM	92109	CA HAZNET
SAN DIEGO	A100345928	NAVAL AVIATION DEPOT, N. ISLAND	NORTH ISLAND		CA AST
SAN DIEGO	S108407009	CORNER OF JUNIPER/PACIFIC HY	JUNIPER AT PACIFIC HY	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S107447657	SAN DIEGO GAS & ELECTRIC (SDG&E)	KETTNER @ PALM	92101	CA SLIC
SAN DIEGO	S106922215		C/O L A BROWN/5011 KEARNY VILLA RD	92123	CA SWEEPS UST
SAN DIEGO	1007199544	PEP BOY #10	1002 E MARTIN LUTHER KING JR	92101	RCRA-LQG
SAN DIEGO	S108407099	LAI CHING HOM	MIDWAY DR	92110	CA SAN DIEGO CO. SAM
SAN DIEGO	S100728616	CHEVRON USA INC SS #92239	2959 MIDWAY DR	92110	CA HIST CORTESE, CA LUST, CA CHMIRS
SAN DIEGO	S114733467	TIERRASANTA COMMUNITY AREA	1 MILE E OF I-15/TIERRASANTA ON LA CUENT		CA RGA LF
SAN DIEGO	S114666890	PALOMAR COMMUNITY COLLEGE	1140 W MISSION RD		CA RGA LUST
SAN DIEGO	S100732068	MISSION BAY (MZB VOR)	MISSION BAY ISLAND	92109	CA SWEEPS UST, CA San Diego Co. HMMD
SAN DIEGO	S108407130	MIDDLE OF MISSION GORGE/TWAIN	MISSION GORGE RD	92120	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407328	V R DENNIS CONSTRUCTION CO	MISSION GORGE RD & PRINCE	92120	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407141	MV WEST LIGHT RAIL EXTENSION	MORENA BL, SEGMENT	92108	CA SAN DIEGO CO. SAM
SAN DIEGO	S101579727	MV WEST LIGHT RAIL EXTENSION	MORENA SEGMENT	92108	CA San Diego Co. HMMD
SAN DIEGO	S106905761	METROPOLITAN TRANSIT DEVELOPMENT BOARD (MTDB)	MORENA BLVD @ LINDA VISTA ROAD	92110	CA SLIC
SAN DIEGO	S105026113	UNOCAL TERMINAL	2750 MURPHY CNYN	92123	CA HIST CORTESE
SAN DIEGO	S105026112	DALEY CORPORATION	2400 MURPHY CNYN	92120	CA HIST CORTESE
SAN DIEGO	S103442742	MURPHY-SHEPARD CANYON (KEARNY	NE MURPHY CANYON RD		CA WMUDS/SWAT
SAN DIEGO	U001572766	MURRAY CANYON PLANT	7404 MURRAY CANYON ROAD	92108	CA HIST UST
SAN DIEGO	S112885522	BAY APT COMMUNITY	7911 NITENGALE WAY	92123	CA HAZNET
SAN DIEGO	S114657703	MV WEST LIGHT RAIL EXTENSION	NONE MORENA BL, SEGMENT		CA RGA LUST
SAN DIEGO	S106916470	IMPERIAL AV 8TH> >9TH (VAP)	NONE IMPERIAL/BTWN8TH&9TH	92101	CA SLIC
SAN DIEGO	S106916469	CALTRANS	NONE HY 8 BET TEXAS ST805	92108	CA SLIC
SAN DIEGO	S100186120	MISSION BAY LANDFILL	NORTHWEST OF INTERSTATE 5 & SEAWORLD DR	92109	CA ENVIROSTOR
SAN DIEGO	1004675676	SHELL SERVICE STATION - 135897	2008 PACIFIC HWY/GRAPE	92101	RCRA-SQG

Count: 122 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAN DIEGO	S108407193	PUBLIC AUTO SERVICE	PACIFIC HY	92110	CA SAN DIEGO CO. SAM
SAN DIEGO	S106519116	NAVISTAR INTERNATIONAL TRANS. CORP.	2200 PACIFIC COAST HWY	92101	CA SLIC
SAN DIEGO	S108406996	CITY OF SD- WATER UTILITIES	PACIFIC HY	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S114607330	COUNTY OF SD-BORR SPGS LAND	2449 PALM CANYON DR		CA RGA LUST
SAN DIEGO	1000857937	SDCTY P AND R BALBOA PARK CLUB	2125 PARK BLVD	92101	RCRA NonGen / NLR, CA HIST CORTESE
SAN DIEGO	S114637597	JMPCO LAND DEVELOP	1839 RAMSEY LN		CA RGA LUST
SAN DIEGO	S112947660	MISSION PLAZA COMMUNITY ASSOCIATION	10737 RANCHO MISSION RD	92108	CA HAZNET
SAN DIEGO	S104750565	KAISER FOUNDATION HEALTH PLAN	4424 RIVERDALE ST	92120	CA SWEEPS UST, CA San Diego Co. HMMD
SAN DIEGO	S103320887	MONTGOMERY DEMOLITION LANDFILL	RUFFIN RD, BETWEEN AERO DR. &	92123	CA WMUDS/SWAT
SAN DIEGO	1001832381	SAN DIEGO CO, MSW	SAN DIEGO CITY	92101	CA HIST CORTESE
SAN DIEGO	S116741949	TDY 30 INCH WESTERN LAUREL HAWTHORN EMBAYMENT	SAN DIEGO BAY	92101	CA SLIC
SAN DIEGO	S103442740	NORTH MIRAMAR	SAN CLEMENTE CANYON		CA WMUDS/SWAT
SAN DIEGO	S107737243	SAN DIEGO NALF (AUXLNDFL)	SAN DIEGO	92101	CA ENVIROSTOR
SAN DIEGO	S106931791	SAN DIEGO PIPELINE COMPANY MIR	SAN CLEMENTE CY	92108	CA SWEEPS UST
SAN DIEGO	S106797698	PROPOSED 5TH & K DEVELOPMENT	NORTH SIDE OF K STREET B/W 5TH & 6TH AVE	92101	CA ENVIROSTOR
SAN DIEGO	S103320836	NAS NORTH ISLAND	SITE # 8 IAS		CA WMUDS/SWAT
SAN DIEGO	S108407248	SETON	B ST	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S108430868	CAL-MAT MISSION VALLEY	2240 STADIUM WY	92108	CA SAN DIEGO CO. SAM
SAN DIEGO	S108407333	W-HOTEL SAN DIEGO	STATE ST	92101	CA SAN DIEGO CO. SAM
SAN DIEGO	S106933949	USN-SUBASE PT LOMA	SUBASE POINT LOMA	92123	CA SWEEPS UST
SAN DIEGO	S106923911	CALTRANS AT0330	SUNSET ST ROSECRANS	92101	CA SWEEPS UST
SAN DIEGO	S112978010	SENIOR COMMUNITY CENTERS	1515 THRU 1525 4TH AVE	92101	CA HAZNET
SAN DIEGO	S104494730	WEST BOUND UNIV AVE I-15 OFF RAMP	UNIVERSITY AVE	92116	CA LUST
SAN DIEGO ,CA	S101614190	CONVOY TERRACE PARCEL LANDFILL	S OF SR 54 & WEST OF CONVOY ST	92123	CA WMUDS/SWAT
SAN DIEGO CA	S103866737	ADMIRAL BAKER GOLF COURSE	MISSION GORGE AVE, SITE 5	92120	CA WMUDS/SWAT
SAN DIEGO CA	S102006521	MISSION BAY LANDFILL	MISSION BAY - SEA WORLD DRIVE	92109	CA WMUDS/SWAT
SAN DIEGO COUNTY	A100345749	FLEET TRAINING CENTER	(TENANT ON NAVAL STATION)		CA AST
SAN DIEGO COUNTY	S106879372	PUBLIC WORKS CENTER	(TENANT ON NAVAL STATION)		CA AST
SAN DIEGO COUNTY	M300002614	AZTEC PERLITE CO INC	AZTEC ESCONDIDO PLANT		US MINES
SAN DIEGO COUNTY	M300003189	VULCAN MATERIALS CO.	CARROLL CANYON (#026)		US MINES
SAN DIEGO COUNTY	M300002765	WESTERN SALT CO	CHULA VISTA PLANT		US MINES
SAN DIEGO COUNTY	M300002489	WESTERN SALT CO	CHULA VISTA PLANT		US MINES
SAN DIEGO COUNTY	M300002616	HARBORLITE CORP	HARBORLITE ESCONDIDO PLANT		US MINES
SAN DIEGO COUNTY	M300003187	SUPERIOR READY MIX CONCRETE CO.	MISSION GORGE PLANT		US MINES
SAN DIEGO COUNTY	M300003190	VULCAN MATERIALS CO.	MISSION VALLEY (#022)		US MINES
SAN DIEGO COUNTY	M300003195	VULCAN MATERIALS CO.	SLOAN CANYON SAND CO. (#027)		US MINES
WHITTIER	U001573231	QWT RML	BELL RIVER DRIVE	92123	CA HIST UST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 75

Source: EPA
Telephone: N/A
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/23/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/24/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 07/08/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/23/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/28/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/04/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/07/2015
Date Data Arrived at EDR: 04/09/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Biennially

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/07/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/22/2015
Data Release Frequency: Annually

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/14/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/29/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 16

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/20/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014
Date Data Arrived at EDR: 12/15/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 45

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/19/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/31/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 10

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/15/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 19

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/14/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/21/2015
Number of Days to Update: 22

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 02/18/2015
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/12/2015
Number of Days to Update: 20

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/25/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 05/04/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 05/14/2015
Number of Days to Update: 9

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: No Update Planned

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 01/16/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 06/09/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/03/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 24
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 53

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 52

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/05/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 48

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/06/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Semi-Annually

Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List
Cupa Facility List

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 7

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/21/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 05/19/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 7

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 15

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/19/2014
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 06/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/26/2015
Date Data Arrived at EDR: 05/28/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 18

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/21/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 13

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 33
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/20/2015
Date Data Arrived at EDR: 04/20/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 17
Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/20/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29
Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015
Date Data Arrived at EDR: 01/29/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 40
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 03/06/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 16
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/03/2015
Date Data Arrived at EDR: 06/04/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 32

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/15/2015
Number of Days to Update: 17

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 10

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 06/01/2015
Date Data Arrived at EDR: 06/03/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 33

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/19/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/12/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 18

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/04/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 24

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 30
Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6
Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/28/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/28/2015
Date Data Arrived at EDR: 04/30/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/02/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 04/16/2015
Number of Days to Update: 8
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/09/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/02/2015
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 7

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/12/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 09/23/2013
Date Data Arrived at EDR: 09/24/2013
Date Made Active in Reports: 10/17/2013
Number of Days to Update: 23

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014
Date Data Arrived at EDR: 11/21/2014
Date Made Active in Reports: 12/29/2014
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 06/03/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 10
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/10/2015
Number of Days to Update: 15
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/20/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/15/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/17/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 7
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 06/01/2015
Next Scheduled EDR Contact: 09/14/2015
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/07/2015
Date Data Arrived at EDR: 05/12/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 05/22/2015
Date Data Arrived at EDR: 05/26/2015
Date Made Active in Reports: 06/08/2015
Number of Days to Update: 13

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/22/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 5

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/19/2015
Date Data Arrived at EDR: 06/30/2015
Date Made Active in Reports: 07/07/2015
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/10/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/22/2015
Next Scheduled EDR Contact: 10/12/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/05/2015
Date Data Arrived at EDR: 06/09/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 27

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 06/05/2015
Next Scheduled EDR Contact: 09/21/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List
Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 6

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 05/22/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 14

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/26/2015
Next Scheduled EDR Contact: 10/19/2015
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: Quarterly

Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 14

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/27/2015
Date Data Arrived at EDR: 06/17/2015
Date Made Active in Reports: 07/06/2015
Number of Days to Update: 19

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/17/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 12

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 07/06/2015
Next Scheduled EDR Contact: 10/05/2015
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/18/2015
Date Data Arrived at EDR: 05/19/2015
Date Made Active in Reports: 06/05/2015
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2015
Next Scheduled EDR Contact: 08/31/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/29/2015
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2015
Date Data Arrived at EDR: 05/06/2015
Date Made Active in Reports: 05/20/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/26/2015
Next Scheduled EDR Contact: 09/07/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2015
Next Scheduled EDR Contact: 09/28/2015
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Telephone: 281-546-1505
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: 800-823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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EDR DataMap® Area Study

MV Community Plan Land Use Hazmat Update

- Listed Sites
- Earthquake Epicenters (Richter 5 or greater)
- Search Boundary
- Roads
- Major Roads
- Waterways
- Railroads
- Contour Lines
- Pipelines
- Powerlines
- Fault Lines
- Water
- Superfund Sites
- Federal DOD Sites
- Indian Reservations BIA
- 100-Yr Flood Zones
- National Wetland Inventory



San Diego, CA

0 1/2 1

Scale in Miles

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MV Community Plan Land Use Hazmat Update
San Diego, CA 92108

Inquiry Number: 4348991.2w
July 10, 2015

EDR DataMap™ Well Search Report

Environmental Data Resources Inc

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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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with any questions or comments.

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GEOCHECK VERSION 2.1
SUMMARY

FEDERAL DATABASE WELL INFORMATION

MAP ID	WELL ID
1	USGS40000129834
1	USGS40000129833
2	USGS40000129832
3	USGS40000129827
3	USGS40000129828
4	USGS40000129829
3	USGS40000129824
6	USGS40000129807
6	USGS40000129806
6	USGS40000129808
6	USGS40000129809
6	USGS40000129810
7	USGS40000129811
9	USGS40000129803
9	USGS40000129802
10	USGS40000129800
11	USGS40000129798
12	USGS40000129797
12	USGS40000129796
13	USGS40000129794
14	USGS40000129791
15	USGS40000129784
16	USGS40000129775
17	USGS40000129766
17	USGS40000129765
18	USGS40000129764
19	USGS40000129763
21	USGS40000129762
22	USGS40000129760

STATE WATER WELL INFORMATION

MAP ID	WELL ID
6	CADW50000000296
6	CADW50000000294
6	CADW50000000295
6	CADW50000000293
6	CADW50000000291
6	CADW50000000292
20	CADW50000000219

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID
1	CAOG11000223085
2	CAOG11000223097
3	CAOG11000223056

GEOCHECK VERSION 2.1
SUMMARY

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Map ID: 5
PWS ID: CA3700912
PWS Name: CAMP MARSTON YMCA
CAMP MARSTON YMCA
PINE HILLS RD
JULIAN, CA 92036
PWS currently has or had major violation(s) or enforcement:

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Map ID: 8
PWS ID: CA3700953
PWS Name: TECATE VISTA MUTUAL WATER CO
TECATE VISTA MUTUAL WATER CO
23945 TECATE MISSION RD
TECATE, CA 92080
PWS currently has or had major violation(s) or enforcement:

USGS TOPOGRAPHIC MAP(S)

32117-F2 POINT LOMA, CA
32117-G1 LA MESA, CA
32117-G2 LA JOLLA, CA

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 92109

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

Federal Area Radon Information for Zip Code: 92115

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.250 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

Federal EPA Radon Zone for SAN DIEGO County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

GEOCHECK VERSION 2.1
SUMMARY

AREA RADON INFORMATION

Federal Area Radon Information for SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Well Information:

Map ID:	1		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129834
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324716117055202		
Monloc name:	016S002W16E002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7880389
Longitude:	-117.0979389	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	100
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	25
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	1		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129833
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324716117055201		
Monloc name:	016S002W16E001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7878083
Longitude:	-117.0979389	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	100
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	26
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	2		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129832
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324712117070301		
Monloc name:	016S002W08N001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7868611
Longitude:	-117.1175556	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	72
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19881112	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	21
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	3		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129827
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324709117062001		
Monloc name:	016S002W17B003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.786
Longitude:	-117.1057778	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	150
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID:	3		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129828
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324709117062501		
Monloc name:	016S002W17B002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7859444
Longitude:	-117.107	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	140
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID:	4		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129829
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324709117064001		
Monloc name:	016S002W17C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7858832
Longitude:	-117.1119763	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	115
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID:	3		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129824
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324706117061901		
Monloc name:	016S002W17B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7850944
Longitude:	-117.1055194	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	130
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20010129	Welldepth:	385
Welldepth units:	ft	Wellholedepth:	385
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	6		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129807
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324641117071502		
Monloc name:	016S002W18J004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7781056
Longitude:	-117.1208639	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	59.87
Vert measure units:	feet	Vertacc measure val:	.5
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20041028	Welldepth:	730
Welldepth units:	ft	Wellholedepth:	949.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	6		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129806
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324641117071501		
Monloc name:	016S002W18J003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7781056
Longitude:	-117.1208639	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	59.87
Vert measure units:	feet	Vertacc measure val:	.5
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20041028	Welldepth:	940
Welldepth units:	ft	Wellholedepth:	949.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	6		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129808
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324641117071503		
Monloc name:	016S002W18J005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7781056
Longitude:	-117.1208639	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	59.87
Vert measure units:	feet	Vertacc measure val:	.5
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20041028	Welldepth:	485
Welldepth units:	ft	Wellholedepth:	949.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	6		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129809
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324641117071504		
Monloc name:	016S002W18J006S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7781056
Longitude:	-117.1208639	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	59.87
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	20041028	Welldepth:	165
Welldepth units:	ft	Wellholedepth:	949.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	6		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129810
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324641117071505		
Monloc name:	016S002W18J007S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7781056
Longitude:	-117.1208639	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	59.87
Vert measure units:	feet	Vertacc measure val:	.5
Vert accmeasure units:	feet		
Vertcollection method:	Global Positioning System		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	20041028	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	949.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	7		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129811
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324641117091401		
Monloc name:	016S003W14J001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7780889
Longitude:	-117.1539389	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	180
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID:	9		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129803
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324630117082701		
Monloc name:	016S003W13Q004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070304	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7750499
Longitude:	-117.1416995	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	45.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	52.4
Welldepth units:	ft	Wellholedepth:	52.4
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 19

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-09-12					
Note: The well was destroyed (no water level is recorded).					
1990-03-14	15.57		1989-09-12	19.97	
1989-03-21	17.26		1988-09-23	15.98	
1988-03-09	12.92		1987-09-16	14.62	
1987-02-20	12.27		1986-04-09	11.39	
1985-08-13	13.15		1984-11-30	13.96	
1983-12-02	13.59		1983-03-11	12.20	
1982-05-12	13.74		1981-08-25	14.86	
1981-01-29	12.96		1980-07-14	11.60	
1979-12-19	12.50				
Note: A nearby site that taps the same aquifer was being pumped.					
1978-12-08	12.57				

Map ID:	9		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129802
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324630117082601		
Monloc name:	016S003W13Q003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18070304	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7750499
Longitude:	-117.1414217	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	45.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	10		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129800
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324628117072601		
Monloc name:	016S002W18N001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7745444
Longitude:	-117.1240722	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	95
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	18
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	11		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129798
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324627117093201		
Monloc name:	016S003W14Q001S		
Monloc type:	Well		
Monloc desc:	Well actually plots in 16S/3W-14Q1 8-22-2007mmcha		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7742778
Longitude:	-117.1591472	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	50
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	22
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	12		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129797
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324627117091501		
Monloc name:	016S003W23A003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7742222
Longitude:	-117.154361	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	40
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19940120	Welldepth:	22.2
Welldepth units:	ft	Wellholedepth:	22.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	12		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129796
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324625117091601		
Monloc name:	016S003W23A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7736944
Longitude:	-117.1546667	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	36
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19940121	Welldepth:	24.5
Welldepth units:	ft	Wellholedepth:	24.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	13		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129794
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324624117074201		
Monloc name:	016S002W19D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7733834
Longitude:	-117.1292268	Sourcemap scale:	24000
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Unknown		
Horiz coord refsys:	NAD83	Vert measure val:	50
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	57.6
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	14		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129791
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324615117092101		
Monloc name:	016S003W23H001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.770975
Longitude:	-117.1560389	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	38
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	53.9
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	15		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129784
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324609117081001		
Monloc name:	016S002W19D003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7693611
Longitude:	-117.1361389	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	50
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	23
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	16		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129775
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324558117093801		
Monloc name:	016S003W23K003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7662556
Longitude:	-117.1605722	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	40
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Other aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	19.7
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	17		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129766
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324549117102001		
Monloc name:	016S003W22J002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7638583
Longitude:	-117.1722278	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	20
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19970421	Welldepth:	105
Welldepth units:	ft	Wellholedepth:	105
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	17		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129765
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324549117101401		
Monloc name:	016S003W22J001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7638083
Longitude:	-117.170561	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	20
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19970415	Welldepth:	105
Welldepth units:	ft	Wellholedepth:	105
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	18		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129764
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324549117095901		
Monloc name:	016S003W23M001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7636111
Longitude:	-117.1663889	Sourcemap scale:	Not Reported
Horiz Acc measure:	Unknown	Horiz Acc measure units:	Unknown
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	54.26
Vert measure units:	feet	Vertacc measure val:	2
Vert accmeasure units:	feet		
Vertcollection method:	Reported		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID:	19		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129763
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324546117115201		
Monloc name:	016S003W21R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7630028
Longitude:	-117.1978278	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	19
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	27
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	21		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129762
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324546117102501		
Monloc name:	016S003W22R002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7627778
Longitude:	-117.17375	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	23
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19830819	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	90
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

Map ID:	22		
Org. Identifier:	USGS-CA	Site ID:	USGS40000129760
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324533117102701		
Monloc name:	016S003W22R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7591972
Longitude:	-117.1741972	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from Digital Map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	22
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Well Information:

Map ID:	6		
Latitude :	32.778106	Site ID:	CADW50000000296
Longitude :	117.120864		
Site code:	327781N1171209W006	Casgem sta:	Not Reported
Local well:	Aqua Culture	Casgem s 1:	Observation
County id:	37		
Basin cd:	9-14	Basin desc:	Mission Valley
Org unit n:	Southern Region Office	Site id:	CADW50000000296

Map ID:	6		
Latitude :	32.7781	Site ID:	CADW50000000294
Longitude :	117.1209		
Site code:	327781N1171209W003	Casgem sta:	16S02W18J005S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	37		
Basin cd:	9-14	Basin desc:	Mission Valley
Org unit n:	Southern Region Office	Site id:	CADW50000000294

Map ID:	6		
Latitude :	32.7781	Site ID:	CADW50000000295
Longitude :	117.1209		
Site code:	327781N1171209W005	Casgem sta:	16S02W18J007S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	37		
Basin cd:	9-14	Basin desc:	Mission Valley
Org unit n:	Southern Region Office	Site id:	CADW50000000295

Map ID:	6		
Latitude :	32.7781	Site ID:	CADW50000000293
Longitude :	117.1209		
Site code:	327781N1171209W004	Casgem sta:	16S02W18J006S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	37		
Basin cd:	9-14	Basin desc:	Mission Valley
Org unit n:	Southern Region Office	Site id:	CADW50000000293

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	6		
Latitude :	32.7781	Site ID:	CADW50000000291
Longitude :	117.1209		
Site code:	327781N1171209W001	Casgem sta:	16S02W18J003S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	37		
Basin cd:	9-14	Basin desc:	Mission Valley
Org unit n:	Southern Region Office	Site id:	CADW50000000291

Map ID:	6		
Latitude :	32.7781	Site ID:	CADW50000000292
Longitude :	117.1209		
Site code:	327781N1171209W002	Casgem sta:	16S02W18J004S
Local well:	Not Reported	Casgem s 1:	Unknown
County id:	37		
Basin cd:	9-14	Basin desc:	Mission Valley
Org unit n:	Southern Region Office	Site id:	CADW50000000292

Map ID:	20		
Latitude :	32.7628	Site ID:	CADW50000000219
Longitude :	117.1933		
Site code:	327628N1171933W001	Casgem sta:	Not Reported
Local well:	YMCA	Casgem s 1:	Observation
County id:	37		
Basin cd:	9-14	Basin desc:	Mission Valley
Org unit n:	Southern Region Office	Site id:	CADW50000000219

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Oil/Gas Well Information:

Map ID:	1		
District nun:	1	Api number:	07300034
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Mission Valley Oil Enterprise		
County name:	San Diego	Fieldname:	Any Field
Area name:	Any Area	Section:	24
Township:	16S	Range:	03W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000223085		

Map ID:	2		
District nun:	1	Api number:	07300047
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	J. A. Smith & F. R. Williams		
County name:	San Diego	Fieldname:	Any Field
Area name:	Any Area	Section:	13
Township:	16S	Range:	03W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Balboa	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000223097		

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID:	3		
District nun:	1	Api number:	07300004
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Borderland Exploration Co., Inc.		
County name:	San Diego	Fieldname:	Any Field
Area name:	Any Area	Section:	20
Township:	16S	Range:	03W
Base meridian:	SB	Elevation:	Not Reported
Locationde:	Not Reported		
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	30-DEC-99
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	30-DEC-99	Completion:	30-DEC-99
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000223056		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

PWS SUMMARY:

Map ID: 5

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

PWS Water Well Information:

Epa region:	09	State:	CA
Pwsid:	CA3700912		
Pwsname:	YMCA CAMP MARSTON/RAINTREE		
City served:	Not Reported	State served:	CA
Zip served:	Not Reported	Fips county:	06073
Status:	Active	Pop srvd:	310
Pwssvcconn:	17	Source:	Groundwater
Pws type:	NTNCWS	Owner:	Private
Contact:	J.C. MAYFIELD		
Contactor gname:	YMCA CAMP MARSTON/RAINTREE		
Contact phone:	7607650894	Contact address1:	P.O. BOX 2440
Contact address2:	Not Reported	Contact city:	JULIAN
Contact state:	CA	Contact zip:	92036
Activity code:	A		

Facid:	CA3700912301		
Facname:	TREATMENT PLANT 1		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, pre

Location Information:

Name:	YMCA CAMP MARSTON/RAINTREE		
Pwstypcd:	NTNCWS	Primsrccd:	GW
Popserved:	310		
Add1:	P.O. BOX 2440		
Add2:	Not Reported		
City:	JULIAN	State:	CA
Zip:	92036	Phone:	7607650894
Cityserv:	Not Reported	Cntyserv:	San Diego
Stateserv:	CA	Zipserv:	Not Reported

Enforcement Information:

Violation id:	0802723	Orig cd:	S
Enf fy:	2008	Enf act date:	07/11/2008
Enf act detail:	St AO (w/o penalty) issued	Enf act cat:	Formal

Enforcement Information:

Violation id:	0501525	Orig cd:	S
Enf fy:	2005	Enf act date:	04/07/2005
Enf act detail:	St AO (w/o penalty) issued	Enf act cat:	Formal

Violations Information:

Violoation id:	1003259	Orig cd:	S
State:	CA	Viol fy:	2010
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	23		
Viol name:	Monitoring, Routine Major (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported

State mcl:	Not Reported	Cmpbdt:	07/01/2010
Cmpedt:	09/30/2010		

Violations Information:

Violoation id:	1003208	Orig cd:	S
State:	CA	Viol fy:	2010
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	23		
Viol name:	Monitoring, Routine Major (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	04/01/2010
Cmpedt:	06/30/2010		

Violations Information:

Violoation id:	0802723	Orig cd:	S
State:	CA	Viol fy:	2008
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	23		
Viol name:	Monitoring, Routine Major (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	04/01/2008
Cmpedt:	06/30/2008		

Violations Information:

Violoation id:	0702486	Orig cd:	S
State:	CA	Viol fy:	2007
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	23		
Viol name:	Monitoring, Routine Major (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	07/01/2007
Cmpedt:	09/30/2007		

Violations Information:

Violoation id:	0501525	Orig cd:	S
State:	CA	Viol fy:	2005
Contamcd:	1040		
Contamnm:	Nitrate		
Viol code:	03		
Viol name:	Monitoring, Regular		
Rule code:	331		
Rule name:	Nitrates		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	01/01/2005
Cmpedt:	03/31/2005		

PWS ID:	CA3700912		
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	CAMP MARSTON YMCA CAMP MARSTON YMCA PINE HILLS RD JULIAN, CA 92036		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

PWS SUMMARY:

Addressee / Facility: System Owner/Responsible Party
CAMP MARSTON YMCA
7510 CLAIREMONT MESA BOULEVARD
SAN DIEGO, CA 92111

Facility Latitude:	32 46 59	Facility Longitude:	117 10 14
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	00000200

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate:	03/31/2009	Pwsid:	CA3700912
Pwsname:	YMCA CAMP MARSTON/RAINTREE		
Retpopsrvd:	300	Pwstypecod:	NTNC
Vioid:	0802723	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Routine Major (TCR)		
Complperbe:	4/1/2008 0:00:00		
Complperen:	6/30/2008 0:00:00	Enfdate:	7/11/2008 0:00:00
Enf action:	State AO (w/o Penalty) Issued		
Violmeasur:	Not Reported		

CONTACT INFORMATION:

Name:	YMCA CAMP MARSTON/RAINTREE		
Population:	300		
Contact:	J.C. MAYFIELD	Phone:	Not Reported
Address:	P.O. BOX 2440		
Address 2:	JULIAN		
	CA, 92 76076		

Map ID: 8

Epa region:	09	State:	CA
Pwsid:	CA3700953		
Pwsname:	TECATE VISTA MUTUAL WATER COMPANY		
City served:	Not Reported	State served:	CA
Zip served:	Not Reported	Fips county:	06073
Status:	Active	Pop srvd:	200
Pwssvcconn:	15	Source:	Groundwater
Pws type:	NTNCWS	Owner:	Private
Contact:	JENNIFER HOM		
Contactor gname:	TECATE VISTA MUTUAL WATER COMPANY		
Contact phone:	6194683000	Contact address1:	P.O. BOX 6950
Contact address2:	Not Reported	Contact city:	SAN DIEGO
Contact state:	CA	Contact zip:	92116
Activity code:	A		

Facid:	CA3700953301		
Facname:	TREATMENT PLANT 1		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, pre

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Location Information:

Name:	TECATE VISTA MUTUAL WATER COMPANY		
Pwstypcd:	NTNCWS	Primsrccd:	GW
Popserved:	200		
Add1:	P.O. BOX 6950		
Add2:	Not Reported		
City:	SAN DIEGO	State:	CA
Zip:	92116	Phone:	6194683000
Cityserv:	Not Reported	Cntyserv:	San Diego
Stateserv:	CA	Zipserv:	Not Reported

Enforcement Information:

Violation id:	1303795	Orig cd:	S
Enf fy:	2013	Enf act date:	02/27/2013
Enf act detail:	St AO (w/o penalty) issued	Enf act cat:	Formal

Violations Information:

Violoation id:	95V0001	Orig cd:	F
State:	CA	Viol fy:	1993
Contamcd:	5000		
Contamnm:	Lead and Copper Rule		
Viol code:	51		
Viol name:	Initial Tap Sampling for Pb and Cu		
Rule code:	350		
Rule name:	LCR		
Violmeasur:	0	Unitmeasur:	Not Reported
State mcl:	0	Cmpbdt:	07/01/1993
Cmpedt:	Not Reported		

Violations Information:

Violoation id:	1403929	Orig cd:	S
State:	CA	Viol fy:	2013
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	22		
Viol name:	MCL, Monthly (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	10/01/2013
Cmpedt:	12/31/2013		

Violations Information:

Violoation id:	1303805	Orig cd:	S
State:	CA	Viol fy:	2013
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	22		
Viol name:	MCL, Monthly (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	04/01/2013
Cmpedt:	06/30/2013		

Violations Information:

Violoation id:	1303795	Orig cd:	S
State:	CA	Viol fy:	2013
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	22		
Viol name:	MCL, Monthly (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	01/01/2013
Cmpedt:	03/31/2013		

Violations Information:

Violoation id:	0802515	Orig cd:	S
State:	CA	Viol fy:	2007
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	22		
Viol name:	MCL, Monthly (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	10/01/2007
Cmpedt:	12/31/2007		

Violations Information:

Violoation id:	0702431	Orig cd:	S
State:	CA	Viol fy:	2007
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	22		
Viol name:	MCL, Monthly (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	07/01/2007
Cmpedt:	09/30/2007		

Violations Information:

Violoation id:	0400927	Orig cd:	S
State:	CA	Viol fy:	2003
Contamcd:	3100		
Contamnm:	Coliform (TCR)		
Viol code:	22		
Viol name:	MCL, Monthly (TCR)		
Rule code:	110		
Rule name:	TCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	10/01/2003
Cmpedt:	12/31/2003		

PWS ID: CA3700953
Date Initiated: 7706 Date Deactivated: Not Reported
PWS Name: TECATE VISTA MUTUAL WATER CO
TECATE VISTA MUTUAL WATER CO
23945 TECATE MISSION RD
TECATE, CA 92080

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

PWS SUMMARY:

Addressee / Facility: System Owner/Responsible Party
TECATE VISTA MUTUAL WATER CO
2936 MEADE AVENUE
SAN DIEGO, CA 92116

Facility Latitude:	32 46 30	Facility Longitude:	117 05 30
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	00000200

PWS currently has or had major violation(s) or enforcement: YES

VIOLATIONS INFORMATION:

Violation ID:	9300002	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	04/01/93	Vio. end Date:	06/30/93	Vio. Period:	003 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	MCL, Acute (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	073093				

Violation ID:	9300003	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	07/01/93	Vio. end Date:	09/30/93	Vio. Period:	003 Months
Num required Samples:	Not Reported	Number of Samples Taken:		Not Reported	
Analysis Result:	Not Reported	Maximum Contaminant Level:		Not Reported	
Analysis Method:	Not Reported				
Violation Type:	MCL, Acute (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	103093				

ENFORCEMENT INFORMATION:

Truedate:	03/31/2009	Pwsid:	CA3700953
Pwsname:	TECATE VISTA MUTUAL WATER COMPANY		
Retpopsrvd:	200	Pwstypecod:	NTNC
Vioid:	0400927	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	12/31/2003 0:00:00	Enfdate:	No Enf Action as of
Enf action:	7/8/2009 0:00:00		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	CA3700953
Pwsname:	TECATE VISTA MUTUAL WATER COMPANY		
Retpopsrvd:	200	Pwstypecod:	NTNC
Vioid:	95V0001	Contaminant:	LEAD & COPPER RULE
Viol. Type:	Initial Tap Sampling for Pb and Cu		
Complperbe:	7/1/1993 0:00:00		
Complperen:	12/31/2025 0:00:00	Enfdate:	No Enf Action as of
Enf action:	7/8/2009 0:00:00		
Violmeasur:	0		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

PWS SUMMARY:

ENFORCEMENT INFORMATION:

System Name:	TECATE VISTA MUTUAL WATER COMPANY		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 12/31/2003 0:00:00		
Violation ID:	0400927		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	TECATE VISTA MUTUAL WATER COMPANY		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 12/31/2003 0:00:00		
Violation ID:	0400927		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	TECATE VISTA MUTUAL WATER COMPANY		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	7/1/1993 0:00:00 - 12/31/2025 0:00:00		
Violation ID:	95V0001		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	TECATE VISTA MUTUAL WATER		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1993-07-01 - 2015-12-31		
Violation ID:	95V0001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	TECATE VISTA MUTUAL WATER COMPANY		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	7/1/1993 0:00:00 - 12/31/2025 0:00:00		
Violation ID:	95V0001		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported

CONTACT INFORMATION:

Name:	TECATE VISTA MUTUAL WATER COMPANY		
Population:	200		
Contact:	JENNIFER HOM	Phone:	Not Reported
Address:	P.O. BOX 6950		
Address 2:	SAN DIEGO		
	CA, 92 61946		

CALIFORNIA GOVERNMENT WELL RECORDS SEARCHED

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

Water Well Database
Source: Department of Public Health
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

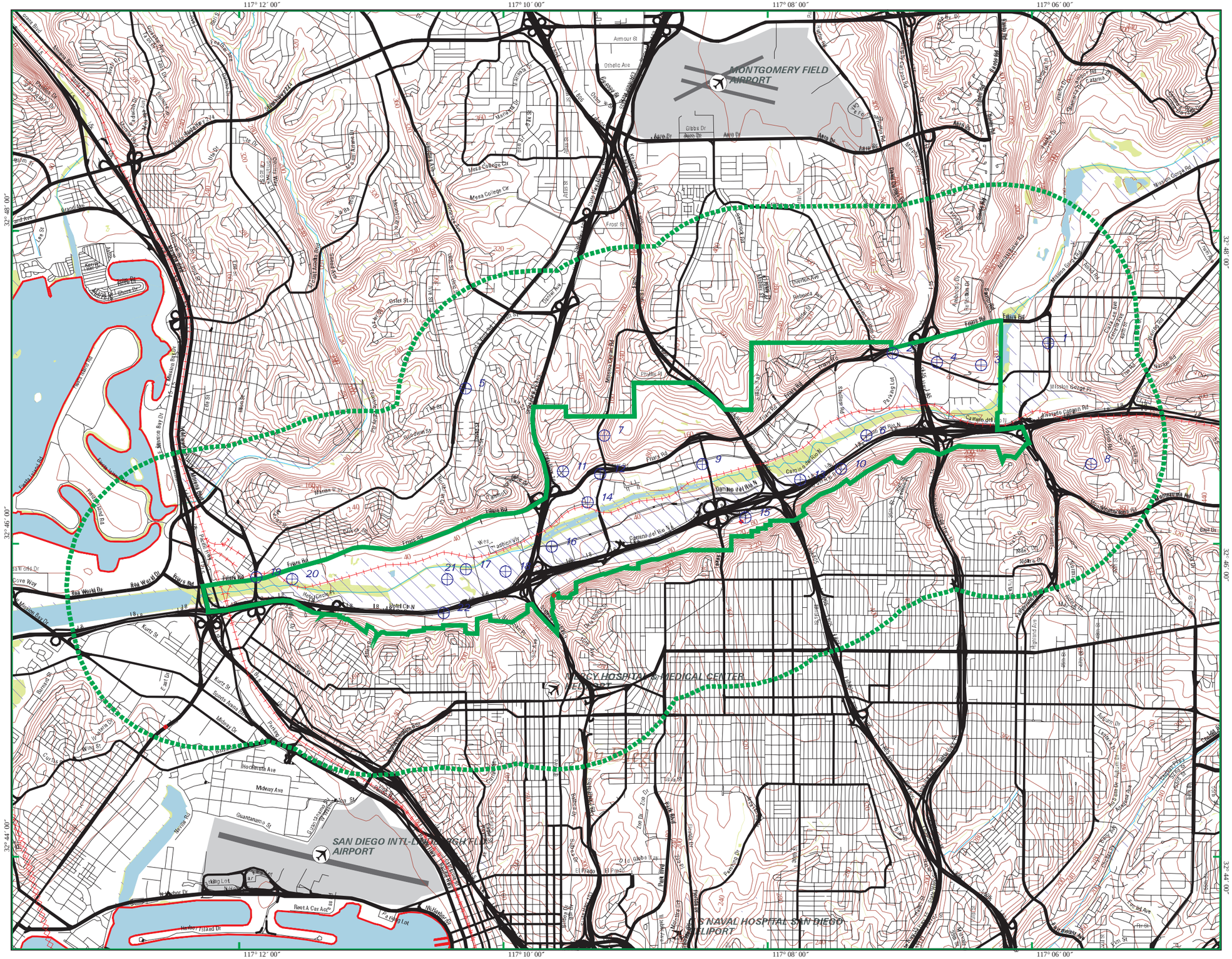
California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

STREET AND ADDRESS INFORMATION

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EDR DataMap®
Well Search

MV Community Plan Land Use Hazmat Update


117° 12' 00"
117° 10' 00"
117° 08' 00"
117° 06' 00"
32° 48' 00"
32° 46' 00"
32° 44' 00"
MONTGOMERY FIELD AIRPORT
SAN DIEGO INTL-LINDBERGH FLD AIRPORT
SCRIPPS MEMORIAL HOSPITAL-LA JOLLA HELIPORT
U S NAVAL HOSPITAL SAN DIEGO HELIPORT
Armour St
Othello Ave
Aero Dr
Mesa College Dr
Mesa College CW
Frost St
Friars Rd
Osler St
Midway Dr
Hochmuth Ave
Midway Ave
Guantanamo St
Harbor Island Dr
Rent A Car Access Rd
Parking Lot
Sea World Dr
Cove Way
Kurtz St
Sports Arena Blvd
Rosecrans St
Nimitz Blvd
Pacific Hwy
Old Town Ave
Taylor St
Hancock St
Sunset Cliffs Blvd
Point Loma Ave
Famosa Blvd
Catalina Blvd
Rosecrans St
Canon St
Talbot St
Dwight St
Bessemer St
Evans St
Voltaire St
Chatsworth Blvd
Grand Ave
Garnet Ave
Mission Bay Dr
Mission Blvd
Ingraham St
Ingraham Pl
Gresham St
Ibis St
Quivira Rd
Sea World Dr
Hotel Circle Pl
Hotel Cir N
Hotel Cir S
Camino del Rio N
Camino del Rio S
Mission Center Rd
Mission Gorge Rd
Mission Gorge Pl
Waring Rd
Fairmount Ave
Wabash Blvd
Wabash Dr
Lake Murray Blvd
Alvarado Canyon Rd
Alvarado Rd
Murray Ridge Rd
Murray Dr
Murray Canyon Rd
Navajo Rd
Jackson Dr
Lake Murray Ln
Golfcrest Dr
Fletcher Pkwy
Parkway Plaza
Fletcher Hills Park
Fletcher Hills Park Dr
Jamacha Rd
Jamacha Blvd
Lemon Grove Ave
Broadway
Main St
Lemon Grove
Spring Valley
Sweetwater Rd
Sweetwater River
Sweetwater Reservoir
Bonita
Bonita Rd
Bonita Vista High School
Bonita Vista Middle School
Otay Valley Regional Park
Otay Valley Rd
Otay Lakes Rd
Otay Lakes
Otay Lake
Otay Mesa
Otay Mesa Rd
Otay Mesa Truck Trail
Otay Mesa Truck Trail Rd
Otay Mesa Truck Trail Rd
Otay Mesa Truck Trail Rd

Appendix B – List of Applicable Laws and Regulations

1. APPLICABLE LAWS, ORDNANCES, AND REGULATIONS

1.1. Federal Statutory Requirements

- Resource Conservation and Recovery Act.
- Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986.
- Toxic Substances Control Act of 1976.
- Hazardous Materials Transportation Act of 1975.
- Clean Water Act.
- Clean Air Act.
- Occupational Safety and Health Act of 1970.
- The Emergency Planning and Community Right to Know Act of 1986.

1.2. Environmental Protection Agency (EPA)

- 40 Code of Federal Regulations (CFR) 61 National Emission Standards for Hazardous Air Pollutants.
- 40 CFR 112 Oil Pollution Prevention.
- 40 CFR 122-124 National Pollutant Discharge Elimination System Permit Regulations.
- 40 CFR 261 Identification and Listing of Hazardous Waste.
- 40 CFR 262 Generators of Hazardous Waste.
- 40 CFR 264 Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities.
- 40 CFR 265 Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities.
- 40 CFR 266 Management of Specific Hazardous Waste and Specific Types of Hazardous Waste Management Facilities.
- 40 CFR 270 Hazardous Waste Permit Program.
- 40 CFR 279 Used Oil Regulations.
- 40 CFR 300 National Oil and Hazardous Substances Pollution Contingency Plan.
- 40 CFR 302 Designation, Reportable Quantities, and Notification
- 40 CFR 355 Emergency Planning and Notification.
- 40 CFR 372-SUBPART D EPA Toxic Chemical Release Reporting Regulations.
- 40 CFR 761 Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.

1.3. Occupational Safety and Health Administration (OSHA):

- 29 CFR 1904 Recording and Reporting Occupational Injuries and Illnesses.
- 29 CFR 1910 Occupational Safety and Health Standards.
- 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response.
- 29 CFR 1926.59 OSHA Hazard Communication.

1.4. Department of Transportation

- 49 CFR 172 Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements.
- 49 CFR 173 Shipments and Packaging.

1.5. State of California Statutory Requirements

- California Health and Safety Code Section 25100 et seq.
- California Health and Safety Code Section 25299.10 et seq.

- California Health and Safety Code Section 25300 et seq.
- California Health and Safety Code Section 25359.4
- California Health and Safety Code Division 20 Chapter 6.95 Hazardous Materials Release Response Plans and Inventory.
- Porter Cologne Water Quality Control Act, Cal. Water Code §§13000 et seq.

1.6. State of California Administrative Code and Regulations

- 8 California Code of Regulations (CCR) 1539 through 1541.
- 8 CCR 5144 and 5192 Cal OSHA Worker Protection Standards.
- 22 CCR Division 4.5 Environmental Health Standards for the Management of Hazardous Waste et seq.
- 22 CCR 66261 Identification and Listing of Hazardous Waste.
- 23 CCR Division 3, Chapter 15 Discharges of Hazardous Waste to Land et seq.

1.7. Local Agency Requirements

- California Regional Water Quality Control Board San Diego Region Water Quality Control Plan for the San Diego Basin.

Appendix G: Cultural Resources Constraints Analysis

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Cultural Resources Constraints Analysis for the Mission Valley Community Plan, San Diego, California

Project No. 518009

Prepared for:

Dyett & Bhatia Urban and Regional Planners
755 Sansome St. Suite 400
San Francisco, CA 94111

And

City of San Diego Planning Department
9485 Aero Drive, MS 413
San Diego, CA 92123

Submitted by:

Tierra Environmental Services
10650 Scripps Ranch Blvd, Ste. 105
San Diego, California 92131-1120

Hillary Murphy
and
Michael G. Baksh, Ph.D.

January 2019

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SUMMARY

Tierra Environmental Services, Inc. (Tierra) was contracted by Dyett & Bhatia Urban and Regional Planners (Dyett & Bhatia) in conjunction with the City of San Diego (City) to conduct a cultural resources constraints analysis in support of the Mission Valley Community Plan Update (Plan Update). The purpose of this document is to present the results of a background archival search and to classify prehistoric and historic cultural resources sensitivity for the area depicted within the Plan Update, and to provide community leaders with sufficient information to make informed planning decisions.

The community of Mission Valley is located along the San Diego River Valley and is bounded by the community of Grantville to the east and Interstate-5 to the west. The western half of the northern boundary of the community extends along Friars Road before reaching the mesa plateau in the east. The southern boundary is bounded by the natural geographical transition between the San Diego River Valley and the San Diego Mesa where the communities of Uptown, North Park, Mid-City can be found.

This constraints analysis was undertaken in association with the update of the Mission Valley Community Plan for the City of San Diego. To achieve this analysis, archival data, geographical and environmental aspects, and correspondence with the local Native American tribes were reviewed. The archival research consisted of literature and records searches at local archaeological repositories, in addition to an examination of historic maps, aerial photographs, and historic site inventories. This information was used to identify previously recorded resources within the study area. A records search was conducted at the South Coastal Information Center (SCIC) at San Diego State University on July 20, 2015 and updated by qualified City staff in December 2018. The results of the records search indicated that 157 previous investigations have been conducted and 57 cultural resources have been previously recorded within the community of Mission Valley. Of these, 27 are prehistoric, 2 are multi-component resources, 20 are historic archaeological resources, and 7 are built historic resources. In addition, several key areas have been identified that may be of high level of interest to local Native American communities because of proximity to the CPU, such as but not limited to the prehistoric Rancheria of *Kosti/Cosoy/Kosaii/Kosa'aay,* the Presidio de San Diego, and the ethnohistoric route through the valley often referred to as the Kumeyaay Highway, and the Mission San Diego de Alcalá which is within the CPU boundary.

A Sacred Lands File check was requested of the Native American Heritage Commission (NAHC) in August 2015 which indicated that no sacred lands have been identified within the vicinity of the community plan boundaries. The NAHC provided a list of local tribal entities and other interested parties, and a Native American contact program was conducted to gather similar information, resulting in responses from two local Native American tribes requesting copies of the report and noting areas of interest within the community of Mission Valley.

Based on the results of the records search, the NAHC Sacred Lands File check, correspondence with the local Native American Kumeyaay community, and known regional environmental factors, certain areas within the community of Mission Valley are considered culturally sensitive for the presence of archaeological resources. Beginning with early Spanish establishment of the Presidio, the areas known today as Old Town and Mission Valley played a pivotal role in the historic development of the San Diego

region. Prior to the arrival of the Spanish, these areas were extensively occupied and exploited by Native Americans, further contributing to the rich cultural heritage and sensitivity for archaeological resources in the San Diego River Valley. For the reasons noted above, the archaeological sensitivity levels for the community of Mission Valley are comprised of areas determined to represent low, moderate and high sensitivities as shown in Figure 4.

Participation of the local Native American community is crucial to the effective identification and protection of cultural resources within the community of Mission Valley in accordance with the City's Historical Resources Guidelines (City of San Diego 2001). Native American participation is required for all levels of future investigations in the community of Mission Valley, including those areas that have been previously developed, unless additional information can be provided to demonstrate that the property has been graded to a point where no resources could be impacted. Areas that have not been previously developed should be surveyed to determine potential for historical resources to be encountered, and whether additional evaluation is required. In areas that have been previously developed, additional ground-disturbing activities may require further evaluation and/or monitoring.

I. INTRODUCTION

The City of San Diego (City) is preparing an update to the Mission Valley Community Plan and requires a constraints analysis and cultural sensitivity analysis for archaeological and tribal cultural resources to support the environmental review process for the Plan Update. The community of Mission Valley is located along the San Diego River Valley and is bounded by the Navajo Community Planning area neighborhood of Grantville to the east and Interstate-5 to the west. The western half of the northern boundary of the community extends along Friars Road before reaching the mesa plateau in the east. The southern boundary is bounded by the natural geographical transition between the San Diego River Valley and the San Diego Mesa. The communities of Uptown (Mission Hills and Hillcrest), North Park (University Heights), Normal Heights and Kensington overlook the Plan Update area to the north from the San Diego Mesa.

A records search was conducted by the Tierra Environmental Services, Inc. (Tierra) using the California Historical Resources Information System (CHRIS) in 2015 and updated in 2018 by qualified City staff in support of the community plan update, along with a literature review update at the South Coastal Information Center (SCIC) and a records search at the San Diego Museum of Man. This report documents the relevant records search and literature review results and identifies the archaeological resources sensitivity for the community of Mission Valley.

A. Project Personnel

This cultural resources constraints analysis was prepared by Tierra, whose cultural resources staff meets federal, state, and local requirements. Dr. Michael G. Baksh served as Principal Investigator and provided overall project management. Dr. Baksh has a Ph.D. in Anthropology from the University of California at Los Angeles and has more than 35 years conducting archaeological investigations in the southwestern United States in compliance with the CEQA. Ms. Hillary Murphy served as primary report author. Ms. Murphy has a B.A. from California State University, Sacramento and over eleven years of experience in southern California archaeology.

II. NATURAL AND CULTURAL SETTING

The following environmental and cultural background provides a brief context for the cultural resources analysis for coastal San Diego County.

A. Natural Setting

The area comprising the community of Mission Valley is located along the San Diego River Valley. Elevation across the Mission Valley community varies from 7 ft above median sea level (AMSL) and 365 ft AMSL. The landscape of the project area is largely a product of the region's geology. During the Jurassic and late Cretaceous (>100 million years ago), a series of volcanic islands paralleled the current coastline in the San Diego region. The remnants of these islands stand as Mount Helix, Black Mountain, and the Jamul Mountains, among others. This island arc of volcanoes spewed out vast layers of tuff (volcanic ash) and breccia that have since been metamorphosed into hard rock of the Santiago Peak Volcanic formation. These fine-grained rocks provided a regionally important resource for Native American flaked stone tools. Similar materials were created during Miocene volcanism in the Jacumba area. Known as the Table Mountain Gravels, these volcanic rocks provided a more local source of lithic material that was utilized by Native Americans throughout the County.

Paleoenvironmental Setting

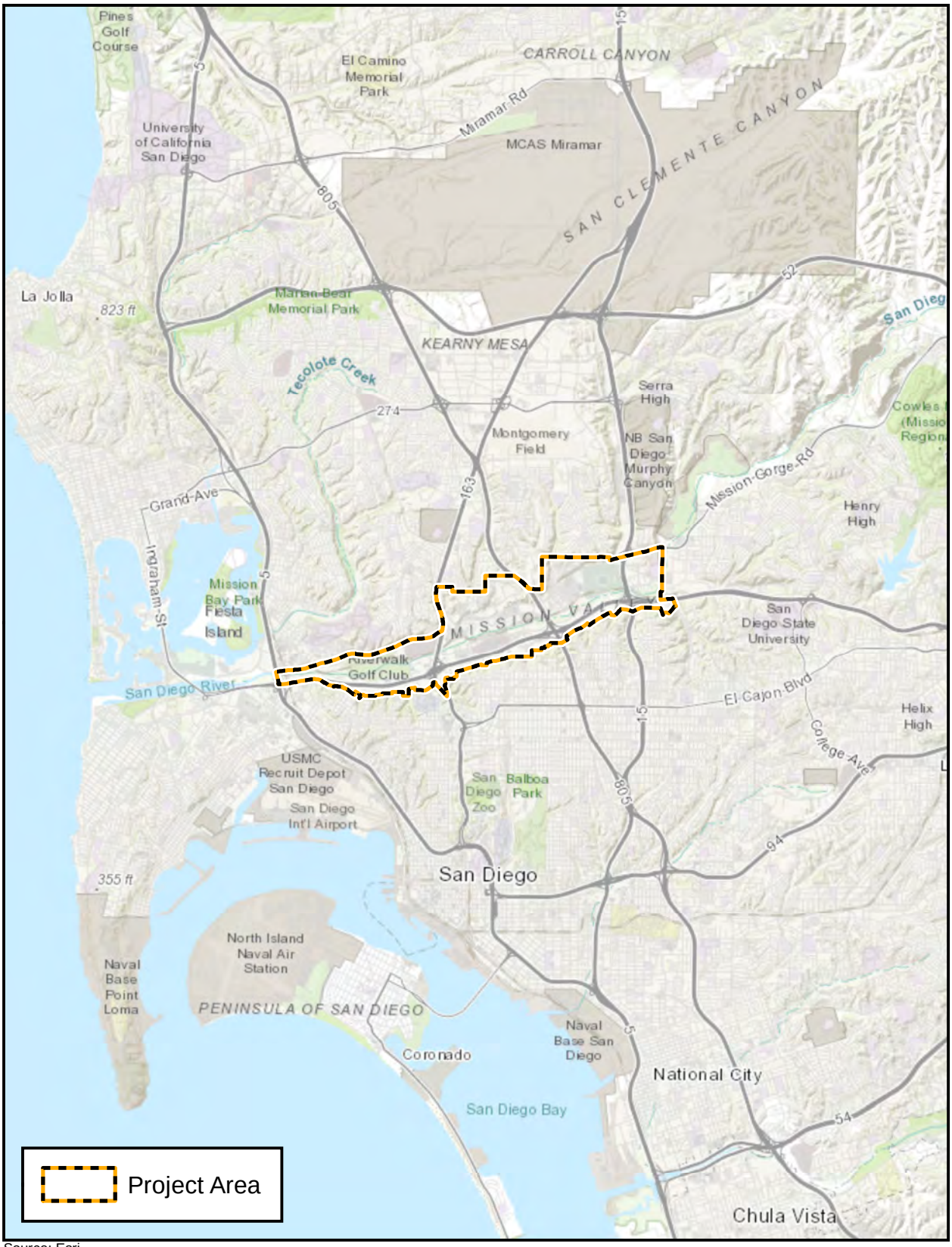
The early Holocene was a time of environmental transition, with a number of global climatic trends resulting in biotic and habitat adjustments in what is now coastal Southern California. Although temperatures in the Northern Hemisphere were characterized by pronounced warming in the early Holocene (West et al. 2007), local climates in the area that is now San Diego may have been relatively cool and wet due to the influence of coastal fog produced by upwelling and the resultant cold sea surface temperatures (Pope et al. 2004). In general, however, the early Holocene was a time of climatic warming in what is now coastal California, resulting in a number of changes to biotic communities, most prominently the retreat of coniferous forests and the expansion of oak woodland throughout most of the region.

The most significant environmental change at this time, however, was likely the stabilization of sea levels. At the time of the first observed archaeological evidence of prehistoric occupation in what is now the Old Town area, sea levels had been rising rapidly for several thousand years, pausing only briefly at approximately 11,500 years before present (B.P.) for the Younger Dryas re-glaciation and again for another global cooling event at approximately 8200 B.P. (Masters and Aiello 2007). This rapid transgression flooded coastal drainages, resulting in a series of deep embayments along the coast of what is now San Diego County during the early Holocene. Current data suggest, however, that the sea level rise, which had reached maximum rates of 2 to 4 meters per century, began to stabilize by approximately 8000 B.P., and approached the current level by approximately 6000 B.P. This slowing of the transgression allowed the accumulation of sediment at lagoon margins, resulting in a complex mosaic of biotic habitats that provided prehistoric populations with a wide array of marine, riparian, and terrestrial resources.

The middle Holocene climate in what is now coastal Southern California was marked by pronounced warming and increased aridity between approximately 7800 and 5000 B.P. (Carbone 1991), which was consistent with a broader warming trend seen elsewhere during this interval. This was followed by a cool, moist interval that persisted until approximately 2,000 years ago in what is now coastal Southern California (Davis 1992).

Due largely to their more recent occurrence, climatic changes in what is now coastal Southern California during the past 2,000 years are much better understood. Among the clearest of these records is a 1,600-year tree-ring record reported by Larson and Michaelson (1989) for the Transverse Ranges, and the pollen record from San Joaquin Marsh. During the early portion of their sequence (A.D. 500 to 1000), Larson and Michaelson record relatively high variability in yearly precipitation totals. During the first 150 years of their reconstruction, approximately A.D. 500 to 650, climatic conditions were characterized by moderately low precipitation levels. This period was followed by very low rainfall levels, which lasted from approximately A.D. 650 to 800. Extreme drought was experienced between approximately A.D. 750 and 770. The succeeding 200 years, approximately A.D. 800 to 1000, was a sustained high-interval period unmatched in the entire 1,600-year reconstruction.

The climate of the region can generally be described as Mediterranean, with cool wet winters and hot dry summers. Rainfall limits vegetation growth, but coastal sage scrub and riparian vegetal communities are particularly adapted to the climate of the area and dominated the area around the community of Mission Valley historically. Paleoclimatic records from a wide variety of contexts consistently indicate that the period between approximately 1,000 and 700 years ago (A.D. 1000 to 1300) was characterized by generally higher temperatures and periods of extreme drought. This event, known as the Medieval Warm Period or the Medieval Climatic Anomaly, has received considerable attention, due both to the apparent severity of the droughts and to its apparent coincidence with important cultural changes described throughout the prehistoric archaeological record of California (Jones et al. 1999; Raab and Larson 1998). Evidence of severe drought and increasing temperatures at this time is documented for the Sierra Nevada area by Stine (1990, 1994) and Graumlich (1993), and is documented along the Southern California coast by Larson and Michaelson (1989). Larson and Michaelson's (1989) data indicate that the interval between approximately A.D. 1100 and 1250 was one of continued drought, particularly between approximately A.D. 1120 and 1150.



Source: Esri

N

0 0.5 1 2 3 4 Miles

1:140,000

Community Plan Update - Mission Valley CPU

Figure 1
Mission Valley
Project Location



Source: Esri, SanGIS

0 0.5 1 2 Miles

N

1:103,830

Community Plan Update - Mission Valley

Figure 2
Mission Valley
Project Vicinity

Project Area

Source: Esri, SanGIS

0 0.25 0.5 Miles

1:24,000

N

Community Plan Update - Mission Valley

Figure 3a
Mission Valley
Project Vicinity with ESRI Topographic Basemap

Project Area

Source: Esri, SanGIS

0 0.25 0.5 Miles

N

1:24,000

Community Plan Update - Mission Valley

Figure 3b
Mission Valley
Project Vicinity with ESRI Topographic Basemap

B. Cultural Setting

Prehistory and Ethnohistory

The prehistoric cultural sequence for what is now San Diego County is generally thought of as three basic periods: Paleoindian, locally characterized by the San Dieguito complex; Archaic, characterized by the cobble and core technology of the La Jollan and Pauma complexes; and Late Prehistoric, marked by the appearance of ceramics, small arrow points, and cremation burial practices. Late Prehistoric materials in southern San Diego County, known as Yuman I and Yuman II, are believed to represent the ancestral Kumeyaay, (also known as the Ipay/Tipay).

Paleoindian Period

The earliest well documented prehistoric sites in southern California are identified as belonging to the Paleoindian period, which has locally been termed the San Dieguito complex/tradition. The Paleoindian period is thought to have occurred between 9,000 years ago (or earlier), and 8,000 years ago in this region. Although varying from the well-defined fluted point complexes such as Clovis, the San Dieguito complex is still seen as a hunting focused economy with limited use of seed grinding technology. The economy is generally seen to concentrate on highly ranked resources such as large mammals and relatively high mobility, which may be related to following large game. Archaeological evidence associated with this period has been found around inland dry lakes, on old terrace deposits of the California desert, and also near the coast, where it was first documented at the Harris Site.

Archaic Period

Native Americans during the Archaic period had a generalized economy which focused on hunting and gathering. In many parts of North America, Native Americans chose to replace this economy with types based on horticulture and agriculture. Coastal southern California economies remained largely dependent on wild resource use until European contact (Willey and Phillips 1958). Changes in hunting technology and other important elements of material culture have created two distinct subdivisions within the Archaic period in southern California.

The Archaic period is differentiated from the earlier Paleoindian period by a shift to a more generalized economy and an increased focus on the use of grinding and seed processing technology. At sites dated between approximately 8,000 and 1,500 years before present, the increased use of groundstone artifacts and atlatl dart points, along with a mixed core-based tool assemblage, identify a range of adaptations to a more diversified set of plant and animal resources. Variations of the Pinto and Elko series projectile points, large bifaces, manos and portable metates, core tools, and heavy use of marine invertebrates in coastal areas are characteristic of this period, but many coastal sites show limited use of diagnostic atlatl points. Major changes in technology within this relatively long chronological unit appear limited. Several scientists have considered changes in projectile point styles and artifact frequencies within the Archaic period to be indicative of population movements or units of cultural change (Moratto 1984), but these units are poorly defined locally due to poor site preservation.

Late Prehistoric Period

Around 2,000 before present (B.P.), Yuman-speaking people from the eastern Colorado River region began migrating into southern California, representing what is called the Late Prehistoric Period. The Late Prehistoric Period in San Diego County is recognized archaeologically by smaller projectile points, the replacement of flexed inhumations with cremation, the introduction of ceramics, and an emphasis on inland plant food collection and processing, especially acorns (True 1966). Inland semi-sedentary villages were established along major water courses, and montane areas were seasonally occupied to exploit acorns and piñon nuts, resulting in permanent milling features on bedrock outcrops. Mortars for acorn processing increased in frequency relative to seed grinding basins. This period is known archaeologically in southern San Diego County as the Yuman (Rogers 1945) or the Cuyamaca Complex (True 1970).

The Kumeyaay (formerly referred to as Diegueño) who inhabited the southern region of San Diego County, western and central Imperial County, and northern Baja California (Almstedt 1982; Gifford 1931; Hedges 1975; Luomala 1976; Shipek 1982; Spier 1923) are the direct descendants of the early Yuman hunter-gatherers. Kumeyaay territory encompassed a large and diverse environment which included marine, foothill, mountain, and desert resource zones. The Kumeyaay language is a dialect of the Yuman language and related to the large Hokan super family.

There seems to have been considerable variability in the level of social organization and settlement pattern during this period. The Kumeyaay were organized by patrilineal, patrilocal lineages that claimed prescribed territories but did not own the resources except for some minor plants and eagle aeries (Luomala 1976; Spier 1923). Some lineages occupied procurement ranges that required considerable residential mobility, such as those in the deserts (Hicks 1963). In the mountains, some of the larger groups inhabited a few large residential bases that would be occupied biannually in Cuyamaca in the summer and fall, and in Guatay or Descanso during the rest of the year (Almstedt 1982; Rensch 1975). According to Spier (1923), many Eastern Kumeyaay spent the period of time from spring through autumn in larger residential bases in the upland procurement ranges and wintered in mixed groups in residential bases along the eastern foothills on the edge of the desert (i.e., Jacumba and Mountain Springs). This variability in settlement mobility and organization reflects the great range of environments in the territory.

Acorns were the single most important food source used by the Kumeyaay. Their villages were usually located near water, which is necessary for leaching acorn meal. Other storable resources such as mesquite or agave were equally valuable to groups inhabiting desert areas, at least during certain seasons (Hicks 1963; Shackley 1984). Seeds from grasses, Manzanita, sage, sunflowers, lemonadeberry, chia and other plants were also used, in addition to various wild greens and fruits. Deer, small game, and birds were hunted and fish and marine foods were eaten. Houses were arranged in the village without apparent pattern. The houses in primary villages were conical structures covered with tule bundles that had excavated floors and central hearths. Houses constructed at the mountain camps generally lacked any excavation, probably due to the summer occupation. Other structures included sweathouses, ceremonial enclosures, ramadas, and acorn granaries. The material culture included ceramic cooking and storage vessels, baskets, flaked lithic and ground stone tools, arrow shaft straighteners, and stone, bone, and shell ornaments.

Hunting implements included the bow and arrow, curved throwing sticks, nets, and snares. Shell and bone fishhooks, as well as nets, were used for fishing. Lithic materials including quartz and metavolcanics were commonly available throughout much of the Kumeyaay territory. Other lithic resources, such as obsidian, chert, chalcedony and steatite, occur in more localized areas and were acquired through direct procurement or exchange. Projectile points including the Cottonwood Series points and Desert Side-notched points were commonly produced.

Kumeyaay culture and society remained stable until the advent of missionization and displacement by Hispanic populations during the eighteenth century. The effects of missionization, along with the introduction of European diseases, greatly reduced the native population of southern California. By the early 1820s, California was under Mexico's rule. The establishment of ranchos under the Mexican land grant program further disrupted the way of life of the native inhabitants.

Ethnohistoric Period

The Ethnohistoric period refers to a brief period when Native American culture was initially being affected by Euroamerican culture and continued through the Spanish and Mexican periods and into the American period. Historical records on Native American activities during this time were limited. By the time Spanish colonists began to settle in Alta California in 1769, the areas that are now part of the CPU area and the adjacent community of Old Town were within the territory of the Kumeyaay people, a cultural group comprised of exogamous, nontotemic territorial bands with patrilineal descent, often also referred to as Northern and Southern Diegueño, because of their association with the San Diego Mission. The founding of Mission San Diego de Alcalá in 1769 brought about profound changes in the lives of the Kumeyaay after being brought into the mission system. The Kumeyaay speak a Yuman language which differentiates them from the Luiseño to the north, who speak a Takic language (Kroeber 1925). Both of these groups were hunter-gatherers with highly developed social systems. European contact introduced disease that dramatically reduced the Native American population and helped to break down cultural institutions. The transition to a largely Euroamerican lifestyle occurred relatively rapidly in the nineteenth century.

Villages and campsites were generally located in areas where water was readily available, preferably on a year-round basis. The San Diego River, which bisects the CPU area, provided an important resource not only as a reliable source of water, but as a major transportation corridor through the region. Major coastal villages were known to have existed along the San Diego River, including the village of *Kosaii* (also known as *Cosoy* or *Kosa'aay*) near the mouth of the San Diego River (Gallegos et al. 1998; Kroeber 1925), which took its name from the Kumeyaay word for drying place or dry place (Dumas 2011). This ranchería appears in the earliest of Spanish travelogues for the area, and was the village closest to the Presidio. Although the actual location of the village is unknown, it has been described as being near the mouth of the San Diego River, and also reported by Bancroft in 1884, that a site called *Cosoy*/*Kosaii*/*Kosa'aay* by the Native Americans was in the vicinity of Presidio Hill and Old Town. Several investigations have identified possible locations for the village of *Cosoy*/*Kosaii*/*Kosa'aay* (Clement and Van Bueren 1993; Felton 1996), but the actual site has never been found. Several additional large villages have been documented along the San Diego River through ethnographic accounts and

archaeological investigations in the area. These include *Nipaquay*, located near present-day Mission San Diego de Alcalá (Kyle 1996); El Corral, located near present-day Mission Gorge; Santee Greens, located in present-day eastern Santee (Berryman 1981); and El Capitan, located approximately 25 miles upstream from the CPU, now covered by the El Capitan Reservoir (Pourade 1961). To the north of the CPU was *onap,* a ranchería of a large settlement located in Rose Canyon; west of the I-5 was a large village known as *hamo, jamo or Rinconada de Jamo,*in present-day Pacific Beach*;* and further to the north was a prominent rancheria located in present-day Sorrento Valley known *as Ystagua* or *istagua*, a Spanish gloss of *istaawah* or *istawah*, and means worm's (larvae) house.

Native Places and Place Names on the Land

The Kumeyaay have roots that extend thousands of years in the area that is now San Diego County and northern Baja California, and there are hundreds of words that describe a given landform, showing a close connection with nature. There are also stories associated with the land. The San Diego area in general, including Old Town, the River Valley and the City as it existed as late as the 1920s, was known as *qapai* (meaning uncertain). According to Kumeyaay elder Jane Dumas, some native speakers referred to what is now I-8 as *oon-ya*, meaning trail or road, describing one of the main routes linking the interior of San Diego with the coast. The floodplain from the Mission San Diego de Alcalá to the ocean was *hajir* or *qajir* (Harrington; 1925, 1927), and the modern-day Mission Valley area was known as *Emat kuseyaay,* which means spirit land, land with spirits, or place of spirit person, and may have been in reference to the presence of Spanish priests in the valley after 1769 (Robertson 1982). The narrows of Mission Gorge within present-day Mission Trails Regional Park carries the name *Ewiikaakap,* meaning rocks where the river narrows (Robertson 1982).

Although the river valley itself was extensively used and occupied by Native Americans prior to and during the historic periods and well into the 20th century, development prompted by the construction of I-8 has left little evidence of this occupation behind. However, in the culturally rich alluvial nature of the western river valley, the archaeological record has provided evidence demonstrating the importance of this area to the local Kumeyaay community through further research, including testing, data recovery and construction monitoring efforts.

Spanish, Mexican and Early American Periods

Cultural activities within San Diego County between the late 1700s and the present provide a record of Native American, Spanish, Mexican, and American control, occupation, and land use. An abbreviated history of San Diego County is presented for the purpose of providing a background on the presence, chronological significance, and historical relationship of cultural resources within the county. Native American control of the southern California region ended in the political views of western nations with Spanish colonization of the area beginning in 1769. De facto Native American control of the majority of the population of California did not end until several decades later. In southern California, Euroamerican control was firmly established by the end of the Garra uprising in the early 1850s (Phillips 1975).

The Spanish Period (1769-1821) represents a period of Euroamerican exploration and settlement. Dual military and religious contingents established the San Diego Presidio and the San Diego and San Luis Rey

Missions. The Mission system used Native Americans to build a footing for greater European settlement. The Mission system also introduced horses, cattle, other agricultural goods and implements, and provided construction methods and new architectural styles. The cultural and institutional systems established by the Spanish continued beyond the year 1821, when California came under Mexican rule.

The Mexican Period (1821-1848) includes the retention of many Spanish institutions and laws. The Mission system was secularized in 1834, which dispossessed many Native Americans and increased Mexican settlement. After secularization, large tracts of land were granted to individuals and families and the rancho system was established. Cattle ranching dominated other agricultural activities, and the development of the hide and tallow trade with the United States increased during the early part of this period. Grants were also made to towns seeking formal recognition by the Mexican government as established pueblos with a city council. In 1834, permission to establish a municipal government was granted to three pueblos which had grown out of the original military presidios (San Diego, San Francisco and Santa Barbara (Crane 1991). Through a period of brief population decline, in the late 1830s, the pueblo of San Diego lost its town council in favor of a governor appointed sub-prefect named Santiago Arguello. Arguello commissioned that a survey of the San Diego Pueblo lands be undertaken which was made in August of 1845. The details of this survey including boundaries, landmarks, and a map were provided to Governor Pio Pico for his signature in May 1846. The signing of this authorization provided the pueblo of San Diego with approximately 48,000 acres, more than any other city in California. Shortly thereafter, the Mexican Period ended when Mexico ceded California to the United States after the Mexican-American War of 1846-48.

Soon after American control was established (1848-present), gold was discovered in California. The tremendous influx of American and Europeans that resulted quickly drowned out much of the Spanish and Mexican cultural influences and eliminated the last vestiges of de facto Native American control. Few Mexican ranchos remained intact because of land claim disputes, and the homestead system increased American settlement beyond the coastal plain. While the Treaty of Guadalupe was supposed to ensure that the grants awarded during the Spanish and subsequent Mexican rule were to remain intact, the U.S. Government established a three person commission in 1851 to review these grants and determine the validity of the claimant's petition. However, in practice, it was incumbent on the grantee to prove to the commission that they were entitled to the land in question. This resulted in years of appeals often resulting in the forfeiture of the claimant's withholdings. Even the pueblo of San Diego was not spared the process whereby interested parties and squatters petitioned for the greatly desirable 48,000 acre land grant. However, according to the United States jurisdiction over California began on July 7, 1846, two months after Governor Pio Pico signed the authorization granting the pueblo the land. This, coupled with the detail mapping initiated by Arguillo, enabled the pueblo to retain its extraordinarily land grant following a 23 year legal battle. The community of Mission Valley lies within the central portion of the San Diego Pueblo land grant, see Figure 4.

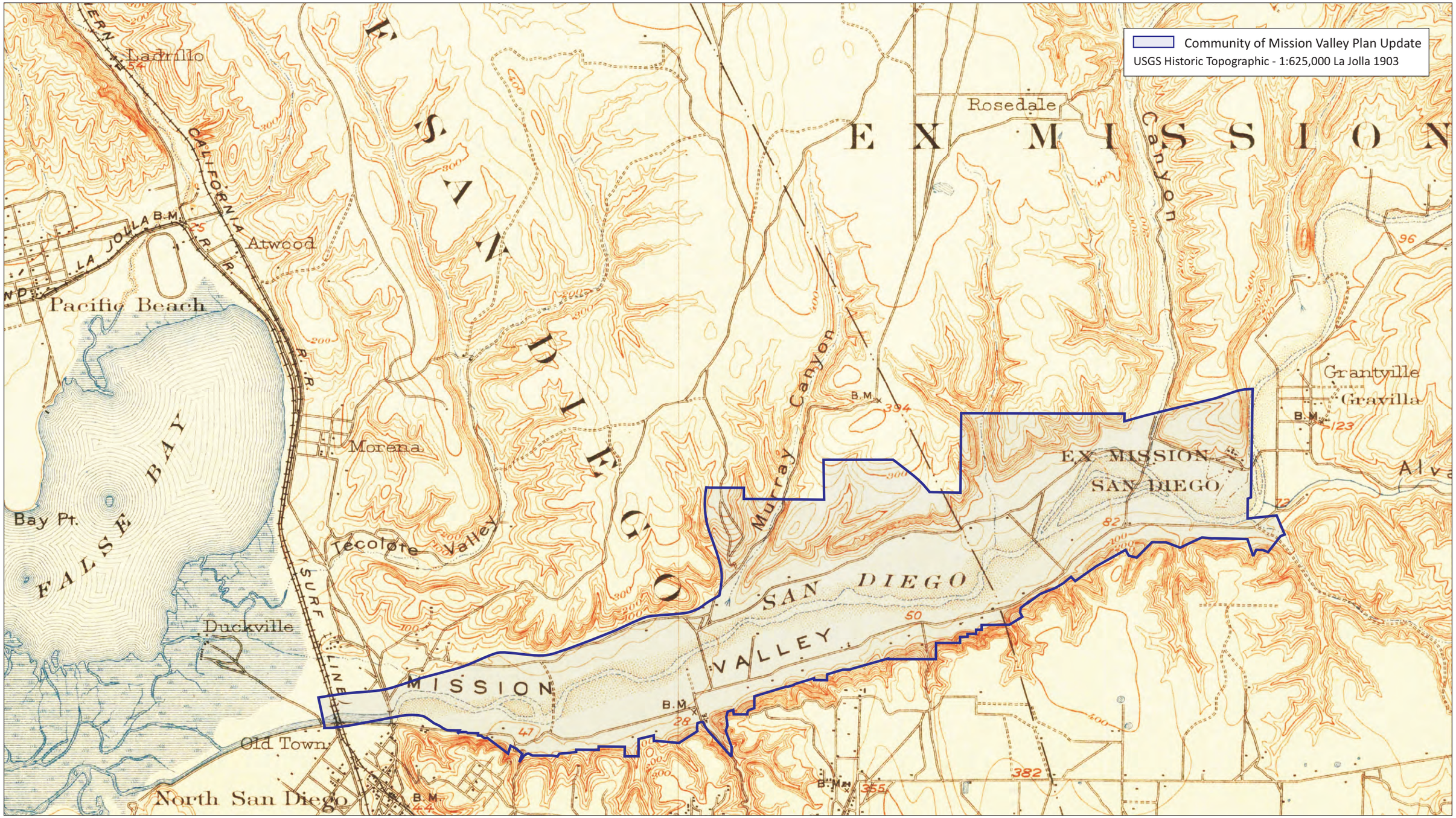


Figure 4. 1903 La Jolla Quadrangle

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ENVIRONMENTAL SERVICES

Cultural Resource Definition

Cultural resources are physical features, both natural and constructed, that reflect past human existence and are of historical, archaeological, scientific, educational, cultural, architectural, aesthetic, or traditional significance. These resources may include such physical objects and features as archaeological sites and artifacts, buildings, groups of buildings, structures, districts, street furniture, signs, cultural properties, and landscapes. Cultural resources in the San Diego region span a timeframe of at least the last 10,000 years and include both the prehistoric and historic periods, and can be divided into three categories: archaeological resources (prehistoric and historic), architectural resources, and tribal cultural resources. Archaeological and tribal cultural resources are the main focus of this study and are further described below.

Archaeological Resources (Prehistoric and Historic)

Archaeological resources include prehistoric and historic locations or sites where human actions have resulted in detectable changes to the area. This can include changes in the soil, as well as the presence of physical cultural remains. Archaeological resources can have a surface component, or a subsurface component, or both. Prehistoric resources are those that typically predate AD 1540, European contact, in San Diego County and may include those centered around food production, tool stone acquisition and reduction or even temporary camps. Prehistoric archaeological resources likely to be encountered within the community of Mission Valley include artifact scatters, campsites, ceramic scatters, lithic scatters, village sites, and burials.

Historic archaeological resources are those from the post-European contact period after AD 1540 in San Diego County, and greater than 45 years of age, under City guidelines. These resources may include subsurface features such as wells, cisterns, or privies. Other historic archaeological remains that could be encountered in the community of Mission Valley can include artifact concentrations, building foundations, or remnants of structures.

Tribal Cultural Resources

Tribal cultural resources (TCR) is defined under the recently enacted Assembly Bill 52 (AB52) of the California Environmental Quality Act (CEQA) as a site, feature, place cultural landscape, sacred place, or object that is of cultural value to a Native American tribe and is either on or eligible for listing on the national, State or a local historic register, or which the lead agency, at its discretion, chooses to identify as a Tribal Cultural Resource. Archaeological sites, locations of events, sacred places, and resource areas, including hunting or gathering areas, may be also be considered tribal cultural resources that could be encountered within the community of Mission Valley.

C. Archival Research

This constraints analysis incorporates the findings obtained through archival and other background studies. The archival research consisted of literature and records searches at local archaeological repositories, in addition to an examination of historic maps, aerial photographs, and historic site

inventories. This information was used to identify previously recorded resources within the study area. The methods and results of the archival research are described below.

The records and literature search for the analysis was conducted at the South Coastal Information Center (SCIC) at San Diego State University on July 20, 2015 and updated in December 2018 by qualified City staff. The records search was focused within the community of Mission Valley but incorporates information on sites which are directly adjacent to and/or extend into the plan boundaries. Copies of historic maps were also provided by the SCIC.

Historical research included an examination of a variety of resources. The current listings of the National Register of Historic Places were checked through the National Register of Historic Places website. The California Inventory of Historic Resources (State of California 1976) and the California Historical Landmarks (State of California 1992) were also checked for historic resources. Historic maps consulted included the 1872 County of San Diego (1:100,000 scale), 1769-1885 Historic Roads and Trails (1:100,000 scale), 1903 La Jolla (1:62,500 scale), 1953 La Jolla and 1953 La Mesa (1:24,000 scale) USGS map.

The records search provided by SCIC revealed that 157 studies have been previously conducted within community plan area. Based on the records search results, 57 archaeological and cultural resources have been previously recorded within the CPU area. These include 16 historic archaeological resources; 21 prehistoric archaeological resources; 2 multi-component sites with both prehistoric and historic period artifacts; 10 isolated prehistoric and historic artifacts; and one modern site. In addition, several key areas have been identified that may be of high level of interest to local Native American communities because of proximity to the CPU, such as but not limited to the prehistoric Rancheria of *Kosti/Cosoy*/*Kosaii*/*Kosa'aay,* the Presidio de San Diego, and the ethnohistoric route through the valley known today as the Kumeyaay Highway, and the Mission San Diego de Alcalá which is within the CPU boundary. Several of these are listed on the City's Historical Resources Register or identified as "Landmarks" on the California Register of Historic Resources and the National Register of Historic Places, or have not been formally recognized to date. Despite ethnohistoric and historic information about the prehistoric Rancheria of *Kosti/Cosoy*/*Kosaii*/*Kosa'aay* and presence of the Kumeyaay in the San Diego River Valley and surrounding area, the Sacred Lands File check from the Native American Heritage Commission (NAHC) indicated that no sacred lands have been identified within the vicinity of the community of Mission Valley. Studies conducted within the community of Mission Valley (n=157) are detailed below in Table 1.

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-00228	Archaeological Survey of the Rancho Mission Road Site San Diego, CA	Carrico, Richard	1976
SD-00270	An Archaeological Survey of the Area Affected By the Proposed Rezoning of Lot 44, Rancho Mission, San Diego.	Bull, Charles S. and Paul H. Ezell	1973
SD-00368	Archaeological Survey of the Conrock Mission Valley Cup Extension and Reclamation Plant Area	Carrico, Richard	1979
SD-00469	An Archaeological Survey Report for Portions of A Proposed Ramp Metering Project (11-SD-8, P.M. R 0.0-R 18.7) 11355-146531	Corum, Joyce M.	1977
SD-00516	A Report of Cultural Impact Survey Phase 1	Cupples, Sue Ann	1974
SD-00546	An Archaeological Survey of the San Diego River Valley	Cupples, Sue Ann	1975
SD-00703	Archaeological/Historical Survey of the Mission Cliffs PRD Project	Eckhardt, Leslie C.	1978
SD-00717	Results of An Archaeological Test At the Friars Road Condominiums Project	Kaldenberg, Russell L.	1975
SD-00789	Archaeological Survey of the North Mission Valley Interceptor Sewer, Stadium Way to Fairmont Avenue	Cheever, Dayle and Dennis Gallegos	1988
SD-00803	Negative Archaeological Survey Report: Proposed Additional Project Limits for Westbound Auxiliary Lane On Interstate 8, 11-SD-8 P.M. 5.8/9.7 11222-169660	Kelsay, Richalene	1987
SD-00816	First Addendum Archaeological Survey Report for Route 15/8 Interchange 11-SD-15 R5.6/R5.9 11-SD-08 5]1/6.3 11206-048161	Goldberg, Donna	1980
SD-00970	Texas Street Widening	Gross, Timothy & Mary Robbins-Wade	1988
SD-01158	Archaeological Survey of the Frontage Road Near the 8/15 Interchange.	Kupel, Douglas E. and Chris White	1983
SD-01704	Second Addendum Archaeological Survey Report for Route 8/15 Interchange 11-SD-15 R6.0/R7.0 11-SD-08 5.1/6.3 11206-048161	Price, Harry J. Jr.	1980
SD-02069	Draft Environmental Impact Report Atlas Hotel Specific Plan	City Of San Diego	1984
SD-02186	Cultural Resources Impact Survey for the San Diego River Outfall Project	Advanced Science Inc.	1992
SD-02628	Historic Properties Inventory Report for the Mission Valley Water Reclamation Project, San Diego CA	Carrico, Richard and Et Al	1990
SD-02825	Proposed Mitigated Negative Declaration for East Linda Vista Trunk Sewer, San Diego, CA	City Of San Diego	1991
SD-02894	Mitigated Negative Declaration Replacement of Water and Sewer Pipes: La Jolla, Uptown, Mission Valley, Midway and Navajo Communities	City Of San Diego	1993
SD-02916	Cultural Resources Assessment of AT&T's Proposed San Bernardino to San Diego Fiber Optic Cable, San Bernardino, Riverside and San Diego Counties, CA	Peak & Associates, Inc	1990

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-02929	Results of A Cultural Resource Evaluation Study for the Padre Dam Municipal Water District Phase I Reclaimed Water System Project	Smith, Brian F.	1993
SD-02932	Cultural Resources Evaluation for the Proposed North Metro Interceptor Sewer Project, San Diego, CA. Appendix F.	Schaefer, Jerry	1994
SD-02960	Negative Archaeological Survey Report, 11-Sd-8, P.M. 3.9/4.9,11290-050021, 11-Sd-805, P.M. 17.2/18/2, 11290-050031	Caltrans	1994
SD-02985	Archaeological Testing of Seven Sites for the Stardust Golf Course Realignment Project, City of San Diego, CA	Kyle, Carolyn and Dennis Gallegos	1995
SD-03000	Archaeological Testing of Prehistoric Site Ca-Sdi-12126 for the North Mission Valley Interceptor Sewer Phase 2, City of San Diego, CA	Kyle, Carolyn and Dennis Gallegos	1995
SD-03019	Historic Properties Inventory for the Sewer Replacement Groups 72 and 80 Project, City of San Diego	Kyle, Carolyn and Dennis Gallegos	1996
SD-03110	Draft Historic Properties Inventory for the East Mission Gorge Trunk Sewer Rehabilitation Project, City of San Diego.	Kyle, Carolyn E. and Dennis R. Gallegos	1995
SD-03228	East Mission Gorge Trunk Sewer (EMGTS) Rehabilitation	Monserrate, Laurence C.	1995
SD-03429	Limited Data Recovery Investigations At Site CA-SDI-11767, A La Jolla Complex Site Along the Lower San Diego River Valley Mission Valley West Light Transit Project San Diego CA	Cooley, Theodore and Patricia Mitchell	1996
SD-03461	Cultural Resource Constraint Study for the North Bay Redevelopment Project City of San Diego, CA	Kyle, Carolyn and Roxana L. Phillips	1998
SD-03473	Cultural Resources Survey for the Proposed Liew Hotel, Mission Valley, San Diego, CA	Dietler, John, and Richard L Carrico	1998
SD-03485	Cultural Resources Survey for the North Metro Interceptor Diversion 3a Pipeline Project (CIP No. 46-104.0), San Diego, CA	Case, Robert P. and Richard L. Carrico	1999
SD-03556	Results of An Archaeological Monitoring of the North Mission Valley Interceptor Sewer Replacement-Phase II. San Diego, CA .	Gilmer, Jo Anne and Dayle M. Cheever	1997
SD-03679	Cultural Resource Survey for the Bain Property, San Diego, CA (DEP No 93-0672)	Wade, Sue A	1995
SD-03863	Cultural Resources Investigation for the Nextlink Fiber Optic Project San Diego County, CA	Jones & Strokes	2000
SD-04350	Limited Data Recovery Investigations At Site CA-SDI-11767, A La Jolla Complex Site Along the Lower San Diego River Valley Mission Valley West Light Rail Transit Project, San Diego, CA	Cooley, Theodore and Patricia Mitchell	1996
SD-04658	Formation of Underground Utility Districts: Proposed Mitigated Negative Declaration	City Of San Diego	2002

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-04690	Archaeological Monitoring of Excavation During Construction of the East Linda Vista Trunk Sewer Project Dep. No 91-0684, Located in the City of San Diego, CA	Brown, Joan	1996
SD-04769	Final Environmental Impact Report for the East Mission Gorge Trunk Sewer Rehabilitation Project, San Diego, Ca	City Of San Diego	1995
SD-04868	Environmental Assessment for the North Mission Valley Interceptor Sewer Phase Ii- City Contract	Kinnetic Laboratories Incorporated	1996
SD-05008	Historic Property Survey Report for An Interstate 5 and Stage Route 163 Pavement Rehabilitation Project	Caltrans	2000
SD-05049	Archaeological Survey Report for the Revised I-8/I-15 Interchange Stage Ii 11-Sd-15 P.M. R5.6/R6.5	Graham, William	1982
SD-05196	Archaeological Monitoring of Construction Excavation, North Mission Valley Interceptor Sewer, Phase II, DEP No. 94-0573, Addendum to DEP No. 94-0160, Located in City of San Diego, CA	Brown, Joan	1997
SD-05238	Results of Archaeological Monitoring of the North Mission Valley Interceptor Sewer Replacement Phase II	Gilmer Joanne and Dayle M. Cheever	1997
SD-05439	Historic Property Survey Parcel 11-Fla-8052c(SD) (Airspace Lease)	Owens, M.A.	1978
SD-05674	Cultural Resource Testing and Evaluation for the Mission Valley West Light Rail Transit Project San Diego, CA	Pigniolo, Andrew	1991
SD-05675	Negative Area Survey Report District Ii County of San Diego	Kelsay, Richalene	1987
SD-05770	Historic Property Survey for Route 8/15 Interchange	Goldberg, Donna	1981
SD-05903	DEIR for Riverwalk	City Of San Diego	1992
SD-05927	Mitigated Negative Declaration for Home Depot On Fairmont Ave	City Of San Diego	1997
SD-06101	Historic Properties Inventory for the Sewer Replacement Groups 72 & 80 Project City of San Diego	Kyle, Carolyn	1996
SD-06115	Archaeological Investigation for the Proposed Mission City Specific Plan EIR	Cook, John	1997
SD-06159	Historic Properties Evaluation for the North Mission Valley Interceptor Sewer Phase Ii Project City of San Diego, CA	Pigniolo, Andrew	1994
SD-06221	A Phase 1 Cultural Resources Investigation of the Vesta Telecomunications Inc Fiber Optic Alignment, River County to San Diego County CA	Mckenna Jeanette A	2000
SD-06382	Public Notice of A Proposed Mitigated Negative Declaration-Stardust Golf Course Reconfiguration	City Of San Diego	1995
SD-06408	Mitigated Negative Declaration for Sewer and Water Group Job 618	City Of San Diego	1996
SD-06499	A Report of Cultural Impact Survey Phase I	Ezell, Paul	1974
SD-06644	Negative Archaeological Survey-Interstate 8 & 805 Mission Valley	Rosen, Martin	1994
SD-06996	Public Notice of Proposed Mitigated Negative Declaration Home Depot Fairmont Avenue	City Of San Diego	1997

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-07047	Public Notice of Proposed Mitigated Negative Declaration-Liew Hotel	City Of San Diego	1999
SD-07335	Historic Property Survey Report for An Interstate 5 & State Route 163 Pavement Rehabilitation Project	Caltrans	2000
SD-07471	Historic Properties Evaluation for the North Mission Valley Interceptor Sewer Phase Ii Project City of San Diego, CA	Pigniolo, Andrew	1994
SD-07541	Cultural Resources Inventory-For the Hoffman Canyon Sewer Project San Diego	Robbins-Wade, Mary	1990
SD-07830	Cultural Resources Survey Report for the Mission City Parkway Bridge Project	Ghabhlain, Sinead Ni	
SD-08342	Archaeological Survey of the Rachal Project, San Diego CA (LDR 42-0755, Pts No. 2547) Assessor's Parcel Number 439-500-12	Pierson, Larry	2003
SD-08820	Cultural Resource Survey for the Proposed Van Nuys Canyon Sewer, Canyon Access Project, San Diego, CA	McGinnis, PATRICK	2003
SD-08892	Cultural Resource Survey for A Five-Acre Parcel Located in the Mission Valley Area of the City of San Diego, CA	Kyle, Carolyn	2003
SD-09007	Historical Resources Compliance Report for the Implementation of A Corridor Management Plan (CMP) On State Route 163 Through Balboa Park, City of San Diego, CA	Rosen, Martin D.	2004
SD-09088	Cultural Resource Assessment for Cingular Wireless Facility SD791-03 City of San Diego, CA	Kyle, Carolyn	2002
SD-09089	Cultural Resource Assessment for Cingular Wireless Facility Sd791-05 San Diego County, CA	Kyle, Carolyn	2002
SD-09145	Cultural Resource Survey Report San Diego Bikeways Project San Diego, CA	Gallegos, Dennis and Carolyn Kyle	1991
SD-09312	Cultural Resource Inventory for Cingular Lock It Lockers Site	Pigniolo, Andrew R.	2002
SD-09367	Cultural Resources Initial Study for the Boulevard At North Park Project	Ni Ghabhlain, Sinead	2004
SD-09516	The Cemeteries and Gravestones of San Diego County: An Archaeological Study	Caterino, David	2005
SD-09526	Cultural Resource Survey for A Five-Acre Parcel Located in the Mission Valley Area of the City of San Diego, CA	Kyle, Carolyn	2005
SD-09630	Cultural Resource Assessment/Evaluation for Cingular Wireless Site SD415-01, San Diego, CA	Kyle, Carolyn	2001
SD-09632	Cultural Resource Assessment/Evaluation for Cingular Wireless Site SD 414-3, San Diego, California	Kyle, Carolyn	2001
SD-09633	Cultural Resource Assessment/Evaluation for Cingular Wireless Site SD413-01, San Diego, CA	Kyle, Carolyn	2001
SD-09635	Cultural Resource Assessment/Evaluation for Cingular Wireless Site SD474-01, San Diego, CA	Kyle, Carolyn	2001
SD-09650	Cultural Resource Assessment/Evaluation for Cingular Wireless Site SD518-02, San Diego, CA	Kyle, Carolyn	2001
SD-09742	Cultural Resources Mitigation Monitoring Report for the Archstone Presidio View Apartment Project (MV PDO 99-0348), Mission Valley Community Planning Area, City of San Diego, CA	Case, Robert P. and Carol Serr	2005

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-09748	Archaeological Monitoring for the San Diego River Wetland Creation Project-Phase A, City of San Diego, CA PTS #6020, LDR 42-0077 (JO#008212)	Becker, Mark	2005
SD-09751	Cultural Resources Study for the Quarry Falls Project	Moslak, Ken	2004
SD-10012	Historic Property Survey Report SR 163/Friars Road Interchange San Diego, CA	Robbins-Wade, Mary	2005
SD-10154	Draft Cultural Resources Monitoring Report for the Hotel Circle South Project, San Diego, CA , Project #14953, Work Order #424428, PTS Number 70523, Data Sheet Number 33621-1-D	Becker, Mark S.	2006
SD-10444	Uptown Historic Architectural and Cultural Landscape Reconnaissance Survey	May, Vonn Marie	2006
SD-10536	Report to the Historical Board for the City of San Diego Water Utilities Department Alvarado Filtration Plant Upgrade and Expansion CIP 73-261	Glenn, Brian	1993
SD-10551	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of CA	Arrington, Cindy	2006
SD-10598	Cultural Resources Survey for A Five-Acre Parcel Located in the Mission Valley Area of the City of San Diego, CA	Kyle, Carolyn E.	2005
SD-11022	Mission San Diego De Alcalá: Historic Site Board Documents	SCIC cites “Various”	n.d.
SD-11231	Old Town - Estudillo House, Chapel of the Immaculate Conception, Gilla House Site, Whaley House, Exchange Hotel, Johnson House, Mason St. School, San Blas Bell, Exchange Hotel, Casa De Machado-Stewart, Casa De Machado-Silvas…	SCIC cites “Various”	n.d.
SD-11232	Old Town - Miscellaneous Documents	SCIC cites “Various”	n.d.
SD-11360	Quarry Falls Program EIR- Cultural Resources Study	Moslak, Ken	2006
SD-11500	Mission San Diego De Alcalá: Miscellaneous Documents	Various	
SD-11529	Archaeological Resource Report Form: Archaeological Survey of the Hampton Inn Suites Project	Rosenberg, Seth A. and Brian F. Smith	2007
SD-11694	Archaeological Resource Report Form: Archaeological Survey of the Springhill Suites Project	Smith, Brian F. and Adriane Dorrler	2008
SD-11810	Results of A Historical Resources Survey of A Portion of the Hazard Center Redevelopment Project, San Diego, CA	Price, Harry J. and Jackson Underwood	2008
SD-11823	Cultural Resources Technical Report for the San Diego Vegetation Management Project	Kick, Maureen S.	2007
SD-11826	Archaeological Resources Analysis for the Master Stormwater System Maintenance Program, San Diego, CA Project. No. 42891	Robbins-Wade, Mary	2008
SD-12120	Hanalei Hotel Ballroom Archaeological Monitoring	Robbins-Wade, Mary	2009

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-12167	Bridge Maintenance Activities On 22 Structures On Routes 5, 125, 163, and 274 in San Diego County Historic Property Survey Report	Rosen, Martin	2009
SD-12200	Draft Environmental Impact Report for the Master Storm Water System Maintenance Program (MSWSMP)	Herrmann, Myra	2009
SD-12298	Public Review Draft Environmental Impact Report for the Hazard Center Redevelopment Project	Gallardo, Cecilia	2009
SD-12422	A Cultural Resources Inventory for the Route Realignment of the Proposed Pf. Net /AT&T Fiber Optics Conduit Oceanside to San Diego, CA	Ni Ghabhlain, Sinead and Drew Pallette	2001
SD-12425	Historic Property Survey Report for the Construction of A Multiuse Bicycle and Pedestrian Path in Mission Valley, San Diego, CA	Rosen, Martin	2009
SD-12426	Phase I Archaeological Survey for the San Diego River Multi-Use Bicycle and Pedestrian Path Project (Work Order No. 581910), Mission Valley Community Planning Area, City of San Diego, CA	Case, Robert P.	2009
SD-12509	Stadium Channel (Murphy Canyon) Storm Water Maintenance Emergency Clearing Project - Individual Historic Assessment	Robbins-Wade, Mary	2009
SD-12637	State Route 163/Friars Road Interchange Project	Shearer-Nguyen, Elizabeth	2010
SD-12670	Draft Environmental Impact Report for the Pacific Coast Office Building Project	City Of San Diego	2010
SD-12740	SR-15 Mid-City Bus Rapid Transit Project	Rosen, Martin D.	2010
SD-12818	Archaeological Monitoring Report for the Miramar Pipeline Repair Project, Naval Base Point Loma to Marine Corps Air Station Miramar, San Diego County, CA	Bowden-Renna, Cheryl	2010
SD-13006	Master Storm Water System Maintenance Program	Robbins-Wade, Mary	2011
SD-13121	Montezuma Trunk Sewer	City Of San Diego	2011
SD-13202	Cultural Resources Technical Assessment for the Program Environmental Impact Report for the San Diego River Park Master Plan, City of San Diego, CA	Rosen, Martin D.	2011
SD-13427	Water and Sewer Group 930	City Of San Diego	2012
SD-13461	Mission Valley Waterline Break Emergency Archaeological Monitoring	Robbins-Wade, Mary	2012
SD-13465	Archaeological Resources Survey, Sempra Mission Control Access Road, Mission Valley, San Diego, CA	Gross, G. Timothy	2002
SD-13491	Section 106 Consultation for the Mid Coast Corridor Transit Project, San Diego County, Ca	U.S. Department Of Transportation	2011
SD-13755	Letter Report: ETS 21345 Cultural Resources Monitoring for Conduit Removal and Replacement, Pacific Highway Bridge, San Diego County, CA - Io 7011103	Bowden-Renna, Cheryl	2011
SD-13918	The San Diego River Park Master Plan	City of San Diego	2012

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-13956	Archaeological Resources Inventory for the Hazard Center Drive Extension Project, San Diego, CA	Robbins-Wade, Mary	2003
SD-14808	Cultural Resource Monitoring Report for the Montezuma Trunk Sewer Project City of San Diego	Stropes, Tracy A.	2014
SD-15043	Archaeological Monitoring, Testing, and Data Recovery At Site CA-SDI-18995 (HCN-S-10) for the Hotel Circle South Undergrounding Project, Mission Valley, City of San Diego, CA	Aguilar, Jose Pepe, Andrew R. Pigniolo, and Carol Serr	2012
SD-15064	Mid-Coast Corridor Transit Project: Archaeological Resources Extended Phase I Investigation Results and Effects Assessment	ICF International	2014
SD-15065	Mid-Coast Corridor Transit Project: Archaeological Survey Report, San Diego, California	Garcia and Associates	2014
SD-15066	Mid-Coast Corridor Transit Project: Historic Property Effects Report	SANDAG	2014
SD-15086	Direct APE Historic Architectural Assessment for T-Mobile West, LLC Candidate SD06193a (SD193 Qualcomm Stadium [Jack Murphy Stadium]) 9449 Friars Road, San Diego, San Diego County, California	Environmental Assessment Specialists, Inc.	2015
SD-15120	Historical Resource Research Report Stadium Wetland Mitigation Project (San Diego River)	Atkins	2015
SD-15168	ETS #22462, Cultural Resources Monitoring for the Wood Pole Inspections, 16 Poles, Murr Subarea Project, San Diego County, CA (HDR # 182960)	Tennesen , Kristin	2012
SD-15169	ETS #22497, Cultural Resources Monitoring for the Renew CP STA #301-Mission Gorge Road Project, San Diego County, CA (HDR #184186)	Erickson , Shannon	2013
SD-12586	Cultural Resource Monitoring Report for the Holiday Inn Express Project San Diego, California	Brian F. Smith and Associates, Inc.	2015
SD-15422	ETS #29602, Cultural Resources Survey for the Replace Anchors, TL 654, Mission Valley Project, San Diego County, California	HDR, Inc.	2015
SD-15613	Cultural Resources Records Search and Site Visit Results For T-Mobile West, LLC Candidate Sd06193a (Sd193 Qualcomm Stadium [Jack Murphy Stadium]) 9449 Friars Road, San Diego, San Diego County, California	No data provided	2015
SD-15710	San Diego Stadium 4994 Friars Road - San Diego, Ca 92108 Historical Resources Technical Report	Heritage Architecture & Planning	2016
SD-15756	Historic Architectural Resource-Inventory and Assessment, AT&T Site SD0588, AT&T 3c Carrier Add, Qualcomm Stadium (Das), 9949 Friars Road, San Diego, San Diego County, California 92108	ACE Environmental	2016

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-15757	Historic Architectural Resource-Inventory and Assessment, AT&T Site SS0112 (Includes Sprint Site SD96xc003), Qualcomm Stadium (Das), 9449 Friars Road, San Diego, San Diego County, California 92108	ACE Environmental	2016
SD-15758	Cultural Resource Records Search and Site Survey, AT&T Site SD0588, AT&T 3c Carrier Add, Qualcomm Stadium (Das), 9949 Friars Road, San Diego, San Diego County, California 92108	ACE Environmental	2016
SD-15759	Cultural Resource Records Search and Site Survey, AT&T Site SS0112 (Includes Sprint Site SD96xc003), Qualcomm Stadium (Das), 9449 Friars Road, San Diego, San Diego County, California 92108	ACE Environmental	2016
SD-15910	Draft Programmatic Environmental Impact Report for the Grantville Focused Plan Amendment	City of San Diego Planning Department	2016
SD-15911	Historic Resources Reconnaissance Survey for Grantville Focused Plan Amendment, Grantville, San Diego, San Diego County, California	ASM Affiliates	2016
SD-15912	Cultural Resources Technical Report for the Grantville Focus Plan Amendment, San Diego, California	ASM Affiliates	2016
SD-15953	Archaeological Resources Survey, 1975 Hotel Circle South, San Diego, California PTS No. 307512	Affinis	2016
SD-16003	A Cultural Resources Survey Using the Archaeological Resources Report Form (Appendix D) for the Mission Valley Suites Project in Mission Valley, San Diego, California	ASM Affiliates	2016
SD-16405	Historic Architectural Resource-Inventory and Assessment Qualcomm Stadium Verizon Antenna Add VZW ODAS Final Design AT&T ASG SD RF 9449 Friars Road, San Diego, San Diego County, California 92108	ACE Environmental	2016
SD-16424	Cultural Resource Records Search and Site Visit Results for AT&T Mobility, LLC Candidate SS0122 (Macys Fashion Valley), 7017 Friars Road, San Diego, San Diego County, California	Helix Environmental	2016
SD-16425	Direct APE Historic Architectural Assessment for AT&T Mobility, LLC Candidate SS0122 (Macys Fashion Valley), 7017 Friars Road, San Diego, San Diego County, California	Helix Environmental	2016
SD-16431	Cultural Resource Records Search and Site Survey Qualcomm Stadium Verizon Antenna Add VZW ODAS Final Design AT&T ASG SD RF 9449 Friars Road, San Diego, San Diego County, California 92108	ACE Environmental	2016
SD-16526	Macy's, 1702 Camino Del Rio North, San Diego, CA 92108	Office of Marie Burke Lia	2016
SD-16528	Historical Resource Technical Report for Town & Country Hotel and Convention Center Redevelopment Project San Diego, California	AECOM	2016

Table 1. Previous Cultural Resource Investigations within the Community of Mission Valley

Report ID	Investigation	Authors	Date
SD-16601	San Diego River Bridge Double Track Project (CP Tecolote To CP Friar) Cultural Resources Technical Report	Cogstone Resource Management, Inc.	2016
SD-16802	Uptown Community Plan Area Draft Historic Resources Survey Report	City of San Diego Planning Department	2017
SD-17231	Cultural Resource Assessment of the MTSA San Diego Fiber Trench Project, San Diego, California (BCR Consulting Project No. Syn1613)	BCR Consulting, LLC	2018
SD-17232	San Diego 55 Fiber Project, San Diego County, California (BCR Consulting Project No. Syn1628)	BCR Consulting, LLC	2018
SD-17234	Cultural Resources Assessment Of The Mission Control, Blue Cypress, Lake Murray and Caso Serra Project, San Diego County, California (BCR Consulting Project No. Syn1514)	BCR Consulting, LLC	2018
SD-17314	Archaeological Survey for SDG&E Tl676 Mission To Mesa Reconductor Project Proposed Staging Yard, San Diego, San Diego County, California (SDG&E ETS# 29956, PANGIS Project #1402.07)	PANGIS	2018
SD-17397	Cultural Resources Inventory Report for the Riverwalk Project, City of San Diego, County of San Diego, California	Spindrift Archaeological Consulting, LLC	2018
Not Available	Archeological Investigations at the Heron Site (CA-SDI-14,152), A Late Prehistoric Occupation Area in Mission Valley, City of San Diego, CA	Schaefer, Jerry, Carol Serr, Robert Case, Michael Baksh	1997

Previously Recorded Cultural Resources

The 157 investigations above addressed a total of 57 cultural resources within the community of Mission Valley (Figure 5 – confidential figures; Confidential Appendix B). The 57 cultural resources were comprised of prehistoric sites (n=27), historic resources, including the Mission San Diego de Alcalá (n=27), mixed-component sites with both prehistoric and historic period artifacts (n=2), a modern site (n=1). Previously recorded cultural resources are further described in Tables 2 through 5 below.

Table 2. Prehistoric Resources Within The Community of Mission Valley

P-Number	Trinomial	Description	Recorder; Date
P-37-000041	CA-SDI-000041	Prehistoric: Village Site	Nelson; n.d.
P-37-000202	CA-SDI-000202	Unknown	Treganza; n.d.
P-37-000239	CA-SDI-000239	Prehistoric: Artifact Scatter	Hall; 1951
P-37-004675	CA-SDI-004675	Prehistoric: Artifact Scatter	Moriarty, 1976
P-37-011055	CA-SDI-011055	Prehistoric: Artifact Scatter	Minshall; 1977
P-37-011056	CA-SDI-011056	Prehistoric: Campsite	Affinis; n.d.
P-37-011767	CA-SDI-011767	Prehistoric: Artifact and Shell Scatter	Clevenger, Baker; 1990
P-37-012126	CA-SDI-012126	Prehistoric: Shell Scatter	Huey, Baker; 1992
P-37-012127	CA-SDI-012127	Prehistoric: Shell Scatter	Huey, Baker; 1992
P-37-012128	CA-SDI-012128	Prehistoric: Shell Midden	Huey, Baker; 1992
P-37-012129	CA-SDI-012129	Prehistoric: Shell Scatter	Huey, Baker; 1992
P-37-012132	CA-SDI-012132	Prehistoric: Shell Scatter	Huey, Baker; 1992
P-37-012220	CA-SDI-012220	Prehistoric: Shell Scatter	Pigniolo; 1991
P-37-012862	CA-SDI-012862	Prehistoric: Shell Scatter	Huey, Baker; 1992
P-37-014380	CA-SDI-014152	Prehistoric: Village Site: *Cosoy*	Schaefer; 1996
P-37-014958	n/a	Isolate: Prehistoric: Lithic	Clevenger; 1990
P-37-014959	n/a	Isolate: Prehistoric: Lithic	Clevenger; 1990
P-37-014963	n/a	Isolate: Prehistoric: Lithic	Clevenger; 1990
P-37-024558	CA-SDI-016288	Prehistoric: Shell Scatter, Burial	Gilmer; 1996
P-37-024559	CA-SDI-016289	Prehistoric: Shell Scatter	Harris; 2002
P-37-024560	CA-SDI-016290	Prehistoric: Shell Scatter	Harris; 2002
P-37-029700	CA-SDI-018995	Prehistoric: Midden, Shell Scatter	Aguilar; 2008
P-37-030931	n/a	Isolate: Prehistoric: Lithic Core	Davidson; 2008
P-37-030932	n/a	Isolate: Prehistoric: Shell	Davidson; 2008
P-37-030934	n/a	Isolate: Prehistoric: Shell	Davidson; 2008
P-37-034472	n/a	Prehistoric: Lithic Scatter	Quach, T.; 2014
P-37-037631	CA-SDI-22463	Prehistoric: Temporary Campsite	Pigniolo, A; 2018

Table 3. Multi-Component Resources within the Community of Mission Valley

P-Number	Trinomial	Description	Recorder; Date
P-37-011766	CA-SDI-011766	Multi-component: Prehistoric: Artifact Scatter // Historic: Refuse Deposit	Berryman; 1973
P-37-031962	CA-SDI-020233	Multi-component: Prehistoric: Artifact Scatter; Historic: Cistern, Refuse Deposit	Kraft; 2011

Table 4. Historic Resources within the Community of Mission Valley

P-Number	Trinomial	Description	Recorder; Date
P-37-000004	CA-SDI-000004	Historic: "Old Mission Site"	Baumhoff; 1955
P-37-000035	CA-SDI-000035	Historic: Mission San Diego de Alcalá / Cobblestone Foundation	Hedges; 1976 / Schaeffer; 2013
P-37-026842	CA-SDI-017577	Historic: Refuse Deposits	Beecher; 2004
P-37-029807	n/a	Historic: Bridge	Robbins-Wade; 2008
P-37-030928	n/a	Isolate: Historic: Refuse Deposit	Davidson; 2008
P-37-030929	n/a	Isolate: Historic: Refuse Deposit	Davidson; 2008
P-37-030930	n/a	Isolate: Historic: Refuse Deposit	Davidson; 2008
P-37-030933	n/a	Isolate: Historic: Faunal Bone	Davidson; 2008
P-37-030935	CA-SDI-019628	Historic: Foundation, Refuse Deposit	Davidson; 2008
P-37-030936	CA-SDI-019629	Historic: Refuse Deposit	Davidson; 2008
P-37-030937	CA-SDI-019630	Historic: Refuse Deposit	Davidson; 2008
P-37-030938	CA-SDI-019631	Historic: Refuse Deposit	Davidson; 2008
P-37-030939	CA-SDI-019632	Historic: Refuse Deposit	Davidson; 2008
P-37-030940	CA-SDI-019633	Historic: Refuse Deposit	Davidson; 2008
P-37-030941	CA-SDI-019634	Historic: Refuse Deposit	Davidson; 2008
P-37-030942	CA-SDI-019635	Historic: Wall	Davidson; 2008
P-37-030943	CA-SDI-019636	Historic: Refuse Deposit	Davidson; 2008
P-37-030945	CA-SDI-019638	Historic: Refuse Deposit	Davidson; 2008
P-37-034320	n/a	Historic: Bridge	Schultz, et al.; 2011
P-37-035171	n/a	Historic: Stadium/Sports Arena	Crawford, K. 2015
P-37-035941	n/a	Historic: Commercial Building	Crawford, K. 2015
P-37-037007	n/a	Historic: Commercial Building	Crawford, K. 2015
P-37-037009	n/a	Historic: Hotel	AECOM; 2016
P-37-037632	CA-SDI-22464	Historic: Refuse Deposit	Pigniolo, A; 2018
P-37-037633	CA-SDI-22465	Historic: Refuse Deposit	Pigniolo, A; 2018
P-37-037634	CA-SDI-22466	Historic: Refuse Deposit	Pigniolo, A; 2018
P-37-037635	CA-SDI-22467	Historic: Well, Refuse Deposit	Pigniolo, A; 2018

Table 5. Modern Resources within the Community of Mission Valley

P-Number	Trinomial	Description	Recorder; Date
P-37-030944	CA-SDI-019637	Modern: Refuse Deposit	Davidson; 2008

Resources Within the Project Area

The cultural resources identified within the study area (the shaded line items summarized above in Table 2) are discussed in greater detail below with the exception of isolated artifacts. Isolated artifacts do not meet the necessary criteria to be considered a significant cultural resource on Local, State and Federal guidelines.

P-37-00004

This resource was originally recorded in 1955 by Martin A. Baumhoff in one of the clover-leaf on-ramps (site dimensions unknown) at the intersection of Friars Road and State Route-163 (SR-163). While the

original site record does not disclose the artifact assemblage, Baumhoff refers to the site as "One of (George) Carter's 'artifact' bearing areas." Carter was an archaeology professor and professional in the mid 1900's who sought to prove the establishment of a prehistoric culture from 80,000 to 100,000 years ago in California. "His work has been discredited by modern archaeologists and his cobble-based stone technology as naturally occurring cobble beach deposits (Moratto 1984, Baumhoff 1955)". Many of these cobble formations were found throughout Mission Valley and have since been developed over. P-37-00004 was revisited in 2001 and 2012 by ASM Affiliates (ASM). In both visits, the area was noted to have been disturbed through mechanical grading and obscured by ice plant ground cover. In both instances, ASM concluded the site was presumably destroyed due to lack of evidence of cultural materials (Cordova *et al* 2012).

P-37-000035

This resource consists of the Mission San Diego de Alcalá (Mission) located at 10818 San Diego Mission Road. The site was initially recorded in 1912 by Nels C. Nelson, although the first site record on file was completed in 1949 by Arnold Pilling. In addition to the historic component of the site, an update to the site record in 1976 by Ken Hedges noted this location as also the prehistoric site of the Kumeyaay village, Nipaguay, citing "a full range of artifacts from aboriginal, Hispanic, and American occupations of the site area encountered" (Hedges 1976). Hedges further notes the "reconstruction of the Mission and modern features including associated church buildings, roads and commercial developments have occurred on the site area." Subsequent updates to the site record over the years include multiple testing efforts at various locations within the Mission's compound. The Mission has been listed on both the California Register of Historic Resources (California Register) and the National Register of Historic Places (National Register) as well as being recognized as both a California Historic Landmark and a National Historic Landmark.

P-37-000041

This resource was originally recorded by Nels C. Nelson as a large village site (123 m N/S by 159 m E/W) according to firsthand accounts in the early 1900's (no date provided). Nelson notes that no evidence was observed to substantiate long term occupancy. The site is located at the intersection of Interstate-8 (I-8) and Interstate-5 (I-5). The site record states that "since the initial documentation, the site location has been tested…". However the testing did not produce evidence of the site and no cultural resources were observed during a site visit in 2011 by Garcia and Associates as well (GANDA) (Greenlee and Letter, 2011). The location of the site is recorded within the currently developed I-8/I-5 intersection right-of-way (ROW) that includes on-ramps and landscaping, as well as adjacent paved parking lots.

P-37-000202

The site record for P-37-000202 fails to document any information regarding the resource. There is nothing regarding the size, nature, composition or even the year recorded and author. The only information present on the record indicates the resource is adjacent to P-37-000035.

P-37-000239

This site (dimensions unknown) was originally recorded in 1951 by E. Hall as a prehistoric artifact scatter including obsidian and chert flakes, shell and pottery. The site is recorded on a hillside northwest of P-37-000035 and Hall noted that modern area development likely covers a portion of the site. While no

update is on file for this site, the site's recorded location has since been developed with condominiums.

P-37-004675
This resource was originally recorded in 1976 by Dr. James Moriarty and consisted of prehistoric lithic tools. The site (dimensions unknown) was recorded along Hotel Circle west of the Stardust Country Club and north of I-8; however, the site location data is incomplete. Based on the maps, the site appears to have been located where the current Riverwalk Golf Club (formerly the Stardust Golf Course) is located or where the adjacent developed parking lots and commercial buildings are located. No site record update is on file at the SCIC to confirm the site's specific location.

P-37-011055
The earliest site record for P-37-011055 on file at the SCIC was completed by Herbert Minshall in 1977; however, Minshall noted that the location had been previously excavated in 1973 by "Carter, Moriarty and Minshall" (Minshall 1977). The site is recorded as a prehistoric temporary camp (38m N/S x 12m E/W) that included thermal features, ash lenses, and lithic artifacts along an alluvial fan as it slopes downhill and north into Mission Valley. An update in 1982 by George Carter reported the site in similar condition, but notes "adjacent areas being destroyed by commercial development". The northern half of this site falls within the current study area and much of it has been commercially developed. Approximately, half of the site remains undeveloped; however, there is not a recent update on file with the SCIC to ascertain the current conditions of the site.

P-37-011056
This resource was originally recorded by Affinis (no date provided) as a prehistoric artifact scatter (site dimensions unknown). While the site record yields little information, the site is recorded as a "river terrace camp of probable permanence" but notes that local collectors had removed most of the surface resources (Affinis, n.d.). A low-density shell midden and obsidian projectile point were also recorded. This resource is recorded along the northern side of the San Diego River in an area which has since been completely developed with condominiums. Historic aerials show a trailer park in the region dating back to 1964. The trailer park was removed in 1981 and by 1989 the area was largely developed with paved access roads and condominiums (historicaerials.com 2015).

P-37-011766
This resource was originally recorded in 1990 by ERC Environmental as an artifact and shell scatter (30 m N/S by 20 m E/W). The site was recorded within the current boundary of the Riverwalk Golf Club, just south of the northern fence line. During a site visit in 1992 by Danielle Huey and Ed Baker, the site was subsequently reduced since only the shell scatter was observed. This site has not been tested nor has a more recent survey been conducted to update the record with the site's current condition.

P-37-011767
This site was originally recorded in 1990 by ERC Environmental as a shell scatter (100 m N/S by 70 m E/W). An update in 1992 by Gallegos & Associates observed the shell scatter in conjunction with an artifact scatter. The site is located within the Riverwalk Golf Club. According to a 2012 site record update by ASM, portions of the site were capped during the construction of an adjacent housing project. The 2012 ASM investigation only documented the northern portion of the site, the current condition of the

southern portion remains unknown.

P-37-012126
This resource was originally recorded in 1992 by Gallegos & Associates as a small shell scatter (37 m N/S by 26 m E/W) located within the Riverwalk Golf Club, just south of Friars Road. Updates to the site record conducted in 1996 by RECON identified prehistoric habitation debris in addition to the shell scatter. The testing program conducted by RECON, identified artifacts just below the golf course sod in three concentrations. Carbon-14 dating was conducted on a shell sample resulting in the age of 1530+/-60 BP. Additionally, groundstone and lithic artifacts were collected. Archival information provided by the SCIC regarding the results of this site's testing for eligibility on the National Register and California Register was not included.

P-37-012127
This resource was originally recorded in 1992 by Huey and Baker of Gallegos & Associates as a small shell scatter (15 m N/S by 45 m E/W) within the boundary of the Riverwalk Golf Club. Huey and Baker noted the site's surface was obscured by the golf course's turf. There is no update on file to confirm the site's current condition.

P-37-012128
This resource was recorded in 1992 by Huey and Baker of Gallegos & Associates as prehistoric shell midden (15 m N/S by 30 m E/W) within the boundary of the Riverwalk Golf Club. Huey and Baker noted the site's surface is obscured by the golf course's turf. There is no modern update on file to confirm the site's current condition.

P-37-012129
This resource was recorded in 1992 by Huey and Baker of Gallegos & Associates as a prehistoric shell scatter (15 m by 15 m) within the boundary of the Riverwalk Golf Club. Huey and Baker noted the site's surface was obscured by the golf course's turf. There is no modern update on file to confirm the site's current condition.

P-37-012132
This resource was recorded in 1992 by Huey and Baker of Gallegos & Associates as a prehistoric shell scatter (75 m by 75 m) within the boundary of the Riverwalk Golf Club. Huey and Baker noted the site's surface was obscured by the golf course's turf. There is no modern update on file to confirm the site's current condition.

P-37-012220
This site was originally recorded in 1991 by Andrew Pigniolo as a prehistoric temporary habitation site (20 m N/S by 20 m E/W) within the boundary of the Riverwalk Golf Club. A site revisit conducted in 1992 by Huey and Baker of Gallegos & Associates observed a shell scatter solely. There is no current update on file for this resource to confirm the site's present condition.

P-37-012862
Originally recorded in 1973 by Stanley Berryman as a possible prehistoric campsite with an artifact

scatter, this site (15 m N/S by 30 m E/W) was recorded along the northern half of the Riverwalk Golf Club and extending to the north side of Friar's Road. The site record also noted a letter from Ken Hedges, dated 1976, that stated that testing at the site found no evidence of a prehistoric occupation, but rather modern refuse deposits. According to the site record, this site was tested again in 1991 by Andy Pigniolo and found to not be significant under CEQA criteria. During a subsequent site visit in 1992 by Huey and Baker, prehistoric lithics were once again observed.

P-37-014380

This site was recorded in 1996 by Jerry Schaefer of ASM as a village site (50 m by 60 m) located in the western portion of the Mission Valley river valley (Schaefer 1996). Artifacts observed included lithics, groundstone, thermal features, and midden soils. The site, referred to as the Heron Site, was discovered during archaeological monitoring the removal of alluvial sediments for the Biological Wetlands Mitigation Area of the Mission Valley West Light Rail Transit Project. An initial test indicated the site was significant and potentially eligible for the NRHP, and data recovery was implemented. Excavations revealed a temporary camp on a sand bar of the San Diego River, adjacent to a marshy wetlands and riparian environment. The site was found to consist of two components – a lower, well-preserved occupation area and an upper, less discrete horizon – separated by sandy alluvium. (Schaefer *et al* 1997)

Discrepancies were found between radiocarbon dates derived from shell and charcoal, but the artifact assemblage is typical of the Late Prehistoric period. Schaefer identified this to be located at and ancestral to the ethnohistorically known village of *Cosoy* (additional spellings include: *Kotsi/ Kosaii*/*Kosa'aay*), the first settlement encountered and described by Spaniards when they founded the San Diego presidio and mission in 1769. The Heron Site has revealed important information about the nature and dynamics of settlement and subsistence systems in the lower San Diego River Valley.

P-37-024558

This resource was originally recorded in 1996 by RECON as a prehistoric burial with associated funerary items (4 m in length by 2 m in width). Observed during construction monitoring, the resource appeared undisturbed but was partially destroyed during trenching. Shell observed with the burial was collected and a C-14 analysis conducted. The C-14 testing resulted in 1390+/-60 B.P. dates. The burial was observed at a depth of approximately 12 ft below the current golf course surface. The site record noted the original location of the burial was mismapped and provided new locational data (Gilmer 1996). However, the new locational data was not provided in industry standard format and was not supported in the documentation but left as a series of coordinate numbers with no defining coordinate system. SCIC attempted to provide the data in standard format, but given the resource locational data possesses very general whole numbers, it would appear that locational accuracy has been compromised resulting in the burial location being approximated.

In 2002 Nina Harris recorded a shell scatter at this location (7 m N/S by 10 m E/W) yet cited the shell may be natural deposits from periodic river flooding. A 2007 update to the site record recommended the burial become its own site and not be affiliated with the shell scatter recorded by Harris. However, at the present time, both resources have the same designation but are mapped as different locations and not affiliated.

P-37-024559
This resource was recorded in 2002 by Nina Harris as a shell scatter (22 m N/S by 4 m E/W) in the San Diego River west of the Presidio ball fields. No other cultural artifacts were observed during the survey effort and Harris documented the site as being the product of natural deposits from flooding. There is no modern update on file to ascertain the site's current condition.

P-37-024560
This resource was recorded in 2002 by Nina Harris as a shell scatter (site dimensions unknown) in the San Diego River east of the Presidio ball fields. No other cultural artifacts were observed during the survey effort. There is no recent update on file to ascertain the site's current condition.

P-37-026842
This resource was recorded in 2004 by Fred Beecher as redeposited historic refuse deposit. Beecher cites the "isolated artifacts are a result of multiple episodes of fill soil importation. None of the artifacts collected derived from a primary context" (Beecher 2004).

P-37-029700
This resource was recorded in 2008 by Jose Aguilar as a low-density shell scatter with midden soils and fire-affected rock (82 m N/S by 33 m E/W). The site was located south of I-8 in Hotel Circle and according to Aguilar, it may extend underneath the interstate and frontage roads as midden soils are visible in locations free of asphalt or ground cover. Testing of the site resulted in fire-affect rock being identified at a depth of 1.8m. Aguilar notes the site's integrity as being fair in spite of the extensively developed area. Archival information provided by the SCIC regarding the results of this site's testing for eligibility on the National Register and California Register was not included.

P-37-029807
This resource was originally recorded in 2008 by Mary Robbins-Wade and Stephen Van Wormer of Affinis as a historic bridge. The bridge is comprised of steel-reinforced concrete approximately 1000 ft long. The bridge was constructed in 1946 on SR-163 traversing the San Diego River. The bridge has been evaluated and recommended not eligible for listing in the National Register or California Register due to questions of integrity following alterations to the bridge.

P-37-030935
This site was recorded in 2008 by Elizabeth Davidson of Laguna Mountain Environmental as a historic refuse deposit with a possible historic "foundation" feature (2 ft N/S by 1.5 ft E/W) during construction monitoring in Hotel Circle. The historic refuse was comprised of whole and broken domestic bottles which were collected. Redwood boards were encountered beneath a layer of fill, above native soils. The boards were not collected.

P-37-030936
This site was recorded in 2008 by Elizabeth Davidson of Laguna Mountain Environmental as a historic refuse deposit (3 ft by 2 ft) identified during construction monitoring in Hotel Circle. Artifacts were collected and consisted of liquor bottles and a kettle. Makers' marks dated the bottles to the 1920's and 1930's.

P-37-030937
This site was recorded in 2008 by Elizabeth Davidson of Laguna Mountain Environmental as a historic refuse deposit (20 ft N/S by 20 ft E/W) and well (4.8 ft in diameter by 8.7 ft long) during construction monitoring in Hotel Circle. Artifacts were collected and consisted of a vase, tile, bicycle seat, and glass shards, ceramic sherds, and metal fragments. Makers' marks dated the artifacts to the 1940's.

P-37-030938
This site was recorded in 2008 by Laguna Mountain Environmental as a historic refuse deposit (5 ft N/S by 1.5 ft E/W) during construction monitoring in Hotel Circle. Artifacts were collected and consisted of a medicine bottle, ceramic fragments, and metal fragments. The bottle's makers' mark dated to the 1880's.

P-37-030939
This site was recorded in 2008 by Laguna Mountain Environmental as a historic refuse deposit (9 ft N/S by 3 ft E/W) during construction monitoring in Hotel Circle. Artifacts were collected and consisted of glass, ceramic and metal fragments, a necklace, a cat statue, and miscellaneous metal items. Makers' marks dated the artifacts to the 1940's and 1950's.

P-37-030940
This site was recorded in 2008 by Laguna Mountain Environmental as a historic refuse deposit (4 ft N/S by 2 ft E/W) during construction monitoring in Hotel Circle. Artifacts were collected and consisted of kitchenware, shell and metal fragments. Charcoal, melted glass and partially burnt wood pieces would suggest that this refuse deposit was burned prior to being discarded. Makers' marks dated the artifacts from the 1920's to the 1950's.

P-37-030941
This site was recorded in 2008 by Laguna Mountain Environmental as a historic refuse deposit (2 ft N/S by 1.5 ft E/W) during construction monitoring in Hotel Circle. Artifacts were collected and consisted of glass bottles and fragments, kerosene lamp fragments, and ceramic fragments. Makers' marks dated the artifacts to the 1910's and 1960's.

P-37-030942
This site was recorded in 2008 by Laguna Mountain Environmental as historic retaining wall fragments (7 ft long by 1 ft wide) during construction monitoring in Hotel Circle. The wall fragments were collected and constructed of cement and cobbles with two iron pipes exiting at an exposed end.

P-37-030943
This site was recorded in 2008 by Laguna Mountain Environmental as a historic refuse deposit (2 ft N/S by 1 ft E/W) during construction monitoring in Hotel Circle. Artifacts were collected and consisted of kitchenware, light bulb remnants, saw-cut animal bone, and brick. Makers' marks dated the artifacts to the 1910's and 1960's.

P-37-030944
This site was recorded in 2008 by Laguna Mountain Environmental as a "modern, soon to be historic"

refuse deposit (dimensions unknown) during construction monitoring in Hotel Circle. Artifacts observed, but not collected, included beer cans, pebble flooring, glass and metal fragments. There is no detail on the site form to indicate the date upon which the site will become a historic site. At present, this site does not meet the requirement s as listed in CEQA as a historic-era resource.

P-37-030945
This site was recorded in 2008 by Laguna Mountain Environmental as a historic refuse deposit (20 ft N/S by 5 ft E/W) during construction monitoring in Hotel Circle. Artifacts were collected and consisted of consumer items, garments and kitchenware. Makers' marks dated the artifacts to the 1920's and 1950's.

P-37-031962
This resource was recorded in 2011 by Jennifer Kraft of Brian Smith & Associates as a multi-component site (500 m long by 20 m wide) during construction monitoring along City of San Diego sewer pipelines. Resources observed at five locations along the 500 m corridor include a prehistoric and historic scatter, a brick feature (possible cistern), and three historic refuse deposits. All resources were observed within existing manhole boundaries. Kraft cites the brick cistern to have been constructed in 1875 as part of the private San Diego Water Company's assets and retrofitted in 1886. While the cistern was buried under approximately 10 ft of fill, the artifact scatters were collected during the monitoring effort.

P-37-034320
This resource was recorded in 2011 by Garcia & Associates as a historic-era bridge, Caltrans Bridge #57C0239. The bridge measures 938 feet in length and 65 feet in width and is a steel stringer multi-bean girder bridge. The bridge was originally built in 1933 and widened in 1952. Caltrans previously evaluated the bridge and determined it to be ineligible for listing on the NRHP.

P-37-034472
This resource was recorded in 2014 by ASM Affiliates as a prehistoric lithic scatter. The site measures 55 meters (E/W) by 15 meters (N/S). Subsurface testing was conducted and found the site to be predominately a light surface scatter with no subsurface component.

P-37-035171
This resource was recorded in 2013 by Crawford Historic Services as a historic-era sports arena/stadium. The stadium is a multi-level, oval shaped, asymmetrical, Modern style, open-air sports arena built in approximately 1967. Formerly known as Jack Murphy Stadium and Qualcomm Stadium, the stadium is currently named SDCCU Stadium. Major renovations to the structure occurred in 1997. The site was evaluated and found to not be eligible for listing on the NRHP.

P-37-035941
This resource was recorded in 2015 by Crawford Historic Services as a historic-era multi-story commercial building. This structure is the Macy's Department Store located at Fashion Valley Mall. The building has a glazed tile exterior, flat roof, and reinforced concrete foundation. The building was constructed, as part of the greater mall, in 1969 and was originally The Broadway department store. Macy's Federated Department Stores bought out the former and occupied the building in 1996. Due to multiple alterations, the building does not meet the necessary criteria to be considered eligible for

listing on the NRHP.

P-37-037007
This resource was recorded in 2015 by Crawford Historic Services as a historic-era multi-story commercial building. This structure is the Macy's Department Store located at Mission Valley Shopping Center. The structure is a three-story, asymmetrical, irregular shaped, Modern Contemporary style department store. The building was built during the post-World War II commercial development of the 1950's. Due to alterations, the building does not meet the necessary criteria to be considered eligible for listing on the NRHP.

P-37-037009
This resource was recorded in 2016 by AECOM as a historic-era hotel/motel complex known as the Town and Country property. The complex consists of various buildings supporting hotel rooms, a lobby, offices, restaurants, a gift shop, a spa, laundry, landscaping, engineering, and maintenance facilities, conference meeting rooms, and shipment receiving rooms. The initial buildings were constructed between 1953-1955 with additions constructed between 1956-1962, 1969-1975, 1979, and 2006-2007. The multitude of buildings display an array of architectural styles including Tiki-Polynesian, Futuristic, Brutalism, Ranch, and Contemporary. The evaluation of Town and Country determined that portions of the property meet the necessary criteria to be considered eligible for listing on the CRHP and Historic Resources Board. At the time of this document, the resource is currently undergoing considerable renovations, including the demolition of some of the buildings within the complex.

P-37-037631
This resource was recorded in 2018 by Laguna Mountain Environmental as a prehistoric temporary campsite consisting of hearths, shell midden, lithic scatters, charcoal and fire-affected rock. The site measures 81 meters by 71 meters. A testing and evaluation program was conducted and observed a considerable subsurface component. Artifacts observed during the testing were collected. The site record notes that much of the site has been graded and that much of the site's deposits have been removed. The site's integrity has been degraded to poor on account of disturbances.

P-37-037632
This resource was recorded in 2018 by Laguna Mountain Environmental as a historic-era refuse deposit consisting of glass bottles and shards, including sun-colored amethyst, ceramic dish fragments, kitchen items, building materials, and consumer containers. The site measures 264 feet (E/W) by 153 feet (N/S). As the deposit consists primarily of milk bottles and dish fragments, it is posited the site was a dumping location of a hotel or restaurant. The items date between 1877-1926. Much of the site was collected during construction monitoring. The site's integrity has been degraded to poor on account of disturbances.

P-37-037633
The resource was recorded in 2018 by Laguna Mountain Environmental as a historic-era refuse deposit measuring 5'4 (N/S) by 5 feet (E/W). This deposit was observed during construction monitoring and was collected. The deposit consists of glass bottles and fragments, metal fragments, kitchen items, and a pair of leather shoes. Portions of the site appear to have been graded previously during the construction of a

motel in 1956. The items appear to have been discarded in the mid-1920s. The site's integrity has been degraded to poor on account of disturbances.

P-37-037634
This resource was recorded in 2018 by Laguna Mountain Environmental as a historic-era refuse deposit measuring 7'4 (N/S) by 6'2 (E/W). The site's assemblage consists largely of fragmented glass milk bottles followed with kitchenware, houseware, metal fragments, and a mass of slag. The makers marks on the bottles denote manufacturing between 1925-1927. It appears the top portion of this refuse dump was graded during the construction of a motel at this location in 1956. The site form notes The Holsom Dairy operated on a ranch located in this vicinity between the 1920s to 1943 (Pigniolo 2018). Much of the site was collected during construction monitoring. The site's integrity has been degraded to poor on account of disturbances.

P-37-037635
This resource was recorded in 2018 by Laguna Mountain Environmental as a historic-era well and refuse deposit measuring 6'8 (N/S) by 6'6 (E/W). The cobble-walled well measures 6'8 in diameter. The well was initially filled with debris and soil, however as three feet of soil was removed, the refuse was located. The refuse largely consists of glass milk bottles dating to the late 1920s and seemingly the deposit of a dairy that once occupied this space in the 1920s. In addition to the glass bottles, a concrete box, a wooden-lined wall, fragments of window glass, ceramic dishes, metal fragments, and other miscellaneous items were observed. The top portion of this resource was graded during the construction of a motel at this location in 1956. The items were collected during the construction monitoring and the site's integrity has been degraded to poor on account of disturbances.

Historical Addresses

P-37-016279
This resource consists of the Cabrillo Freeway, SR-163, as it heads north through Mission Valley. Only a portion of this resource is within the current study area. Originally recorded in 1996 by Frank Lortie of Caltrans, the freeway and associated elements including: landscaping, roadway, Cabrillo Bridge, and on/off-ramps make up the Cabrillo Freeway Historic District. Lortie nominated the district to the National Register and California Register in 1996. The site record does not state if the district was accepted. In reviewing the National Register and California Register, the district does not appear to be listed on either.

I-8 Mission Valley Freeway also falls under this Cabrillo Freeway Historic District where the bridge connects the two highways.

10818 San Diego Mission Road
This address is that of the aforementioned Mission San Diego de Alcalá. See above P-37-000035 for information regarding this historical address/resource.

Table 6 below outlines the cultural resources' evaluation status.

Table 6. Status of Cultural Resources within the Community of Mission Valley

Resource	Description	Recorder; Date	Current Status of Resource	Evaluated?	*Integrity Level	**NRHP /CRHP Eligibility
P-37-000004	Historic: "Old Mission Site"	Baumhoff; 1955	Site could not be relocated during 2001 and 2012 revisit	No	P	N
P-37-000035	Historic: Mission San Diego de Alcalá / Cobblestone Foundation	Hedge; 1976 / Schaeffer; 2013	Site Intact	Yes	E	On NR & CR
N/A	Historic Address: 10818 San Diego Mission Road (Mission San Diego de Alcalá)					
P-37-000041	Prehistoric: Village Site	Nelson; ? / GANDA; 2011	1991 Testing program could not relocate site, nor 2011 revisit	Yes	P	N
P-37-000202	Unknown	Treganza; ?	Unknown- recent update not yet conducted	No	U	U
P-37-000239	Prehistoric: Artifact Scatter	Hall; 1951	No update on file but site area has been developed	No	U	N
P-37-004675	Prehistoric: Artifact Scatter	Moriarty, 1976	No update on file but site area recorded beneath Hotel Circle Drive North	No	U	N
P-37-011055	Prehistoric: Artifact Scatter	Minshall; 1977	Unknown- recent update not yet conducted	Yes	U	U
P-37-011056	Prehistoric: Campsite	Affinis; ?	Location of site has been developed	No	U	N
P-37-011766	Mixed Component: Prehistoric: Artifact Scatter // Historic: Refuse Deposit	Berryman; 1973 (update in Table 2)	Disturbed and partially collected as of 1990 revisit	Yes	P	N
P-37-011767	Prehistoric: Artifact and Shell Scatter	Clevenger, Baker; 1990	Unknown- partial resurvey in 2012.	No	F	U
P-37-012126	Prehistoric: Shell Scatter	Huey, Baker; 1992	Unknown- recent update not yet conducted	No	U	P 3CS
P-37-012127	Prehistoric: Shell Scatter	Huey, Baker; 1992	Unknown- recent update not yet conducted	No	F	U
P-37-012128	Prehistoric: Shell Midden	Huey, Baker; 1992	Unknown- recent update not yet conducted	No	F	U
P-37-012129	Prehistoric: Shell Scatter	Huey, Baker; 1992	Unknown- recent update not yet conducted	No	F	U
P-37-012132	Prehistoric: Shell Scatter	Huey, Baker; 1992	Unknown- recent update not yet conducted	No	F	U
P-37-012220	Prehistoric: Artifact and Shell Scatter	Pigniolo; 1991	Unknown- recent update not yet conducted	No	F	U
P-37-012862	Prehistoric: Shell Scatter	Huey, Baker; 1992	Unknown- recent update not yet conducted	No	F	U
P-37-014380	Prehistoric: Village Site	Schaefer; 1996	Intact, partially collected	Yes	F/G	P
P-37-014958	Isolate: Prehistoric: Lithic	Clevenger; 1990	Collected	N/A	N	N
P-37-014959	Isolate: Prehistoric: Lithic	Clevenger; 1990	Collected	N/A	N	N
P-37-014963	Isolate: Prehistoric: Lithic	Clevenger; 1990	Collected	N/A	N	N

Table 6. Status of Cultural Resources within the Community of Mission Valley

Resource	Description	Recorder; Date	Current Status of Resource	Evaluated?	*Integrity Level	**NRHP /CRHP Eligibility
P-37-016279	Historic Address: 163 Cabrillo Freeway. State Route 163 Cabrillo Freeway District	Lortie; 1996	Resource Intact	No	G	N
P-37-024558	Prehistoric: Shell Scatter, Burial	Gilmer; 1996	Unknown- recent update not yet conducted	No	U	P
P-37-024559	Prehistoric: Shell Scatter	Harris; 2002	Unknown- recent update not yet conducted	No	P	N
P-37-024560	Prehistoric: Shell Scatter	Harris; 2002	Unknown- recent update not yet conducted	No	U	N
P-37-026842	Historic: Refuse Deposits	Beecher; 2004	Secondary deposit in fill soils	No	P	N
P-37-029700	Prehistoric: Midden, Shell Scatter	Aguilar; 2008	Collected during testing	Yes	F	N
P-37-029807	Historic: Bridge	Robbins-Wade; 2008	Resource Intact	No	P/F	N
P-37-030928	Isolate: Historic: Refuse Deposit	Davidson; 2008	N/A	N/A	N	N
P-37-030929	Isolate: Historic: Refuse Deposit	Davidson; 2008	Collected	N/A	N	N
P-37-030930	Isolate: Historic: Refuse Deposit	Davidson; 2008	N/A	N/A	N	N
P-37-030931	Isolate: Prehistoric: Lithic	Davidson; 2008	Collected	N/A	N	N
P-37-030932	Isolate: Prehistoric: Shell	Davidson; 2008	N/A	N/A	N	N
P-37-030933	Isolate: Historic: Faunal Bone	Davidson; 2008	Collected	N/A	N	N
P-37-030934	Isolate: Prehistoric: Shell	Davidson; 2008	N/A	N/A	N	N
P-37-030935	Historic: Foundation, Refuse Deposit	Davidson; 2008	Foundation Intact, Refuse Collected	No	F	U
P-37-030936	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-030937	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-030938	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-030939	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-030940	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-030941	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-030942	Historic: Wall Fragments	Davidson; 2008	Collected	No	F	N
P-37-030943	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-030944	Modern: Refuse Deposit	Davidson; 2008	Modern – N/A	No	N	N
P-37-030945	Historic: Refuse Deposit	Davidson; 2008	Collected	No	F	N
P-37-031962	Mixed Component: Prehistoric: Artifact Scatter; Historic: Cistern, Refuse Deposit	Kraft; 2011	Partially Collected	No	F	U
P-37-034320	Historic: Bridge	Schultz, et al.; 2011	Resource Intact	Yes	U	N 6Z
P-37-034472	Prehistoric: Lithic Scatter	Quach, T.; 2014	Collected	Yes	P	N
P-37-035171	Historic: Stadium/Sports Arena	Crawford, K. 2015	Resource Intact	Yes	G	N

Table 6. Status of Cultural Resources within the Community of Mission Valley

Resource	Description	Recorder; Date	Current Status of Resource	Evaluated?	*Integrity Level	**NRHP /CRHP Eligibility
P-37-035941	Historic: Commercial Building	Crawford, K. 2015	Resource Intact	Yes	P	N
P-37-037007	Historic: Commercial Building	Crawford, K. 2015	Resource Intact	Yes	P	N 6Z
P-37-037009	Historic: Hotel	AECOM; 2016	Resource undergoing remodel	Yes	P	Y 3S
P-37-037631	Prehistoric: Temporary Campsite	Pigniolo, A; 2018	Collected	No	F	U
P-37-037632	Historic: Refuse Deposit	Pigniolo, A; 2018	Collected	No	F	U
P-37-037633	Historic: Refuse Deposit	Pigniolo, A; 2018	Collected	No	P	U
P-37-037634	Historic: Refuse Deposit	Pigniolo, A; 2018	Collected	No	P	U
P-37-037635	Historic: Well, Refuse Deposit	Pigniolo, A; 2018	Collected	No	P	U
Designation Not Assigned by SCIC	Historic Address: I8 Mission Valley Freeway. State Route 163 Cabrillo Freeway District		Resource Intact	No	G	N

**Integrity Level: P=Poor, F= Fair, G=Good, E=Excellent, U=Unknown, N/A=Not Applicable*
***NRHP/CRHP Eligibility: N=Ineligible/Unlikely to be eligible, P=Possibly Eligible, On=On Register, U=Unknown*
3CS/3S= Status Code 3: Appears eligible for National Register or California Register through Survey Evaluation
6Z=Status Code 6: Not Eligible for Listing or Designation

D. Native American Contact Program

In addition to the literature search, a Sacred Lands File Check was requested of the Native American Heritage Commission (NAHC) in August 2015 for potential sacred sites within the community of Mission Valley. A response was received from the NAHC, dated January 25, 2016, citing that the search for sacred lands resulted in a negative finding. The NAHC forwarded a list of local Native American contacts with potential interest and/or additional information regarding cultural resources in the vicinity of Mission Valley. Letters were mailed on January 26, 2016 to all tribal entities, and emails were sent to tribal entities with email addresses on January 28, 2016. Two responses were received and are detailed below. All correspondence between Tierra, the NAHC, and local Tribes is documented in Appendix C.

An email response was received by Mr. Clint Linton, Director of Cultural Resources for the Iipay Nation of Santa Ysabel, on February 2, 2016. Mr. Linton addressed a few areas of concern, stating his extensive experience working in the San Diego River Valley on previous projects and is very familiar with the location of the village of *Kosti/Cosoy/Kosaii/Kosa'aay* (P-37-014380). Mr. Linton offered to "share which areas are of most concern as needed" and provided information regarding the discovery of human remains during project-related monitoring in the community plan area. Mr. Linton also stressed the need for a large buffer zone around the Mission San Diego de Alcalá. Lastly, Mr. Linton included "that all projects within the boundary of this analysis should be subject to Kumeyaay [Native American Monitor]

involvement, giving the [Native American Monitors] a chance to review individual projects and request their involvement as appropriate" (Linton 2016). Ms. Murphy replied via email on February 3, 2016 that his concern has been included in this document.

An email response was received from the Viejas Band of Kumeyaay Indians on February 2, 2016. The letter requested that they receive a copy of the "Cultural Resource report … in order to make an informed decision/recommendation on the matter". Ms. Murphy replied via email on February 3, 2016 that their concern would be included in this document.

Consultation with local Native American tribes, in accordance with Senate Bill 18 (SB 18) and Assembly Bill 52 (AB 52) for this Community Plan Update has been conducted by the City of San Diego and is on-going. Information previously provided by culturally affiliated tribes in San Diego County has been incorporated into this report, the Mitigation Framework, and the Community Plan policies addressing Tribal Cultural Resources.

III. CULTURAL SENSITIVITY ANALYSIS

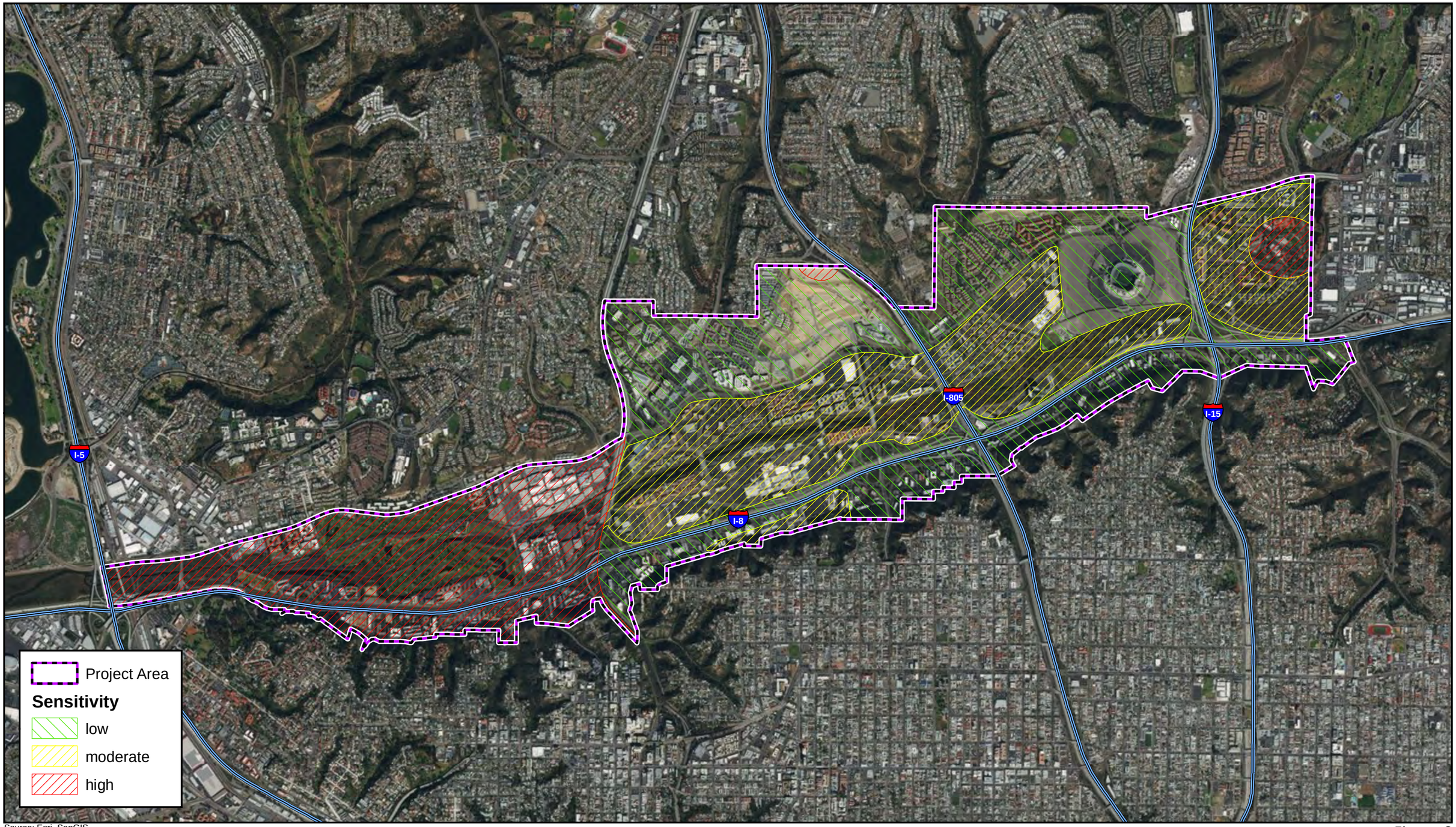
The cultural sensitivity analysis of the Mission Valley community is comprised of areas determined to represent low, moderate and high sensitivities. These areas were determined by examining the archival data, including the records search from the SCIC, the sacred lands file from the NAHC, and correspondence with the local Native American community, as well as regional environmental factors. Sensitivity ratings may be adjusted based on the amount of disturbance that has occurred which may have previously impacted archaeological resources.

A low sensitivity rating indicates that minimal or no previously recorded cultural resources were identified in these areas by the archival analysis. Potential resources in these areas are unlikely to be substantial in artifact assemblage frequency and/or content based off of the archival data and environmental factors. Additionally, in some cases these resources were collected prior to commercial disturbance (ie: P-37-014959). As a result, probability is low for the identification of resources in these areas. Low sensitivity areas are depicted with a forward-slash green fill in Figure 6.

A moderate sensitivity rating indicates areas where archival data illustrates multiple previously recorded resources. The resources may be more complex or have more substantive elements and frequencies as supported by the information provided by the SCIC. The probability for the identification of resources in these areas is moderate. Moderate sensitivity areas are depicted with a back-slash yellow fill in Figure 6. It should be noted that a few prehistoric and historic sites have been recorded in areas depicted in yellow. However, the areas where these sites were recorded has been subsequently impacted reducing their potential from highly sensitive to moderate sensitivity due to integrity concerns (ie: P-37-004675).

Areas identified as having high cultural sensitivity would indicate that the record search identified several previously recorded sites within the study area. The resources in these areas are generally complex in nature with unique and/or abundant artifact assemblages. In some cases, the resources in this category may have been determined to be significant under local, State or Federal guidelines. The potential for the identification of resources in areas of high sensitivity is likely. Areas of high sensitivity are represented with a forward-slash red fill in Figure 6. The high sensitivity on the western end is particularly due to archaeological evidence of extensive prehistoric use of this area, which is also supported by physical attributes associated with the ethnohistoric village of *Kosti/Cosoy/Kosaii/Kosa'aay (P-37-014380)*. The far eastern end is considered sensitive due to the physical and well-documented evidence associated with the ethnohistoric and historic occupation of the San Diego Mission de Alcalá (P-37-000035).

While much of the community of Mission Valley has been developed, it consists of a heavily active, depositional river valley utilized over thousands of years and the potential for intact cultural deposits at depth is probable at many locations. As is illustrated by the high density of cultural resources (Tables 2 through 5 in Section II), the area represents a prehistorically and historically active environment. Considering these factors in conjunction with Native American correspondence, much of the community of Mission Valley has been determined to be of either moderate or high cultural sensitivity.



Source: Esri, SanGIS

0 0.25 0.5 Miles

N

1:28,000

Community Plan Update - Mission Valley

Figure 6
Mission Valley
Cultural Sensitivity Areas - Cultural Resources

IV. RECOMMENDATIONS

This constraints analysis was undertaken in association with the update of the Mission Valley Community Plan for the City of San Diego. To achieve this analysis, archival data, geographical and environmental aspects, and correspondence with the local Native American tribes were reviewed.

While the community of Mission Valley has been extensively developed during the modern era, records also show the vicinity to have been a highly utilized area over time. Due to continued use and development, there is no doubt that numerous prehistoric and historical resources in the community of Mission Valley have been disturbed over the years. However, as indicated in previous sections, any remaining undisturbed soils up to several feet deep anywhere along the San Diego River Valley have the potential to contain sensitive cultural resources, as is the case with P-37-024558, a prehistoric burial identified at a depth of 12 feet observed during modern trenching activities. This highlights the potential for significant cultural resources within this depositional environment. Considering this type of environment coupled with the known sites in the region, the village of *Kosti/Cosoy/Kosaii/Kosa'aay* (P-37-014380) and P-37-024558 in particular, the community of Mission Valley maintains moderate and high sensitivity levels and therefore it is recommended that a qualified archaeologist and Native American monitor be present for all ground disturbing activities, especially within areas depicted with the yellow or red slash fills on Figure 6.

Additionally, the following recommendations are made to better integrate and interpret the prehistoric and historic archaeological resources within the community of Mission Valley:

- Recognize the Native American habitation and land use of the community of Mission Valley and its surrounding vicinity. Their ties to their ancestral lands should be honored.
- Recognize the role of Native American and Spanish, Mexican, and early American settlers in the formation of the presidio, the Pueblo of San Diego, the Mission San Diego de Alcalá, Old Town and Mission Valley.
- Ensure that members of local Native American tribes and interested individuals are incorporated into the planning process in a meaningful way.
- Acknowledge the place names and places important to Native Americans and Spanish, Mexican, and early American settlers who inhabited the community of Mission Valley. This could be accomplished through signage and/or narratives in brochures and handouts.
- Expand the perception that the community of Mission Valley was a place where local Kumeyaay people consider important to their cultural history.

Future discretionary projects within the community of Mission Valley should be evaluated by a qualified archaeologist following the Mitigation Framework detailed below to determine the potential for the presence or absence of buried archaeological resources. Because the majority of the community of Mission Valley is developed, many prehistoric and archaeological resources are buried. Buried deposits offer a unique opportunity to broaden our understanding of the lives, culture, and lifeways of the diverse occupation of the community through time. As such, the following recommendations area made to ensure that buried resources are identified and documented:

- Conduct extensive, non-intrusive investigations to better located potential undocumented burials that may exist within the community
- Require archaeological and Native American monitoring during all construction related ground-disturbing activities within the community of Old Town. Such projects include, but are not limited to, installation of water, sewer, or utility lines; building demolition projects; new construction projects; and road paving or repairs that require subsurface disturbance.

If it is determined that a resource is historically significant, it should be referred to the City's Historical Resources Board for possible designation. Mitigation measures should be initiated for all significant sites, either through avoidance or data recovery.

All phases of future investigations, including survey, testing, data recovery, and monitoring efforts, would require the participation of local Native American tribes. Early consultation is an effective way to avoid unanticipated discoveries and local tribes may have knowledge of religious and cultural significance of resources in the area. In addition, Native American participation would help ensure that cultural resources within the community of Mission Valley are protected and properly cared for. A current list of local tribes can be obtained through the NAHC for all future projects.

Mitigation Framework

The following Mitigation Framework has been adapted from the Historical Resources Guidelines located in the City's Land Development Manual (City of San Diego 2001).

Archaeological and Tribal Cultural Resources

Prior to issuance of any development permit for a subsequent project tiering from the Community Plan Update (CPU) that could directly affect an archaeological or tribal cultural resource; the City shall require the following steps be taken to determine: (1) the presence of archaeological or tribal cultural resources and (2) the appropriate mitigation for any significant resources which may be impacted by a development activity. Sites may include, but are not limited to, privies, trash pits, building foundations, and industrial features representing the contributions of people from diverse socioeconomic and ethnic backgrounds. Resources may also include resources associated with prehistoric Native American activities.

Initial Determination

The environmental analyst shall determine the likelihood for the project site to contain historical resources by reviewing site photographs and existing historic information (e.g., Archaeological Sensitivity Maps, the Archaeological Map Book, and the California Historical Resources Inventory System and the City's "Historical Inventory of Important Architects, Structures, and People in San Diego") and may conduct a site visit. A cultural resources sensitivity map was created from the record search data as a management tool to aid in the review of future projects within the CPU area which depicts three levels of sensitivity (Figure 6). Review of this map should be done at the initial planning stage of a specific project to ensure that cultural resources are avoided and/or impacts are minimized in accordance with

the Historical Resources Guidelines. These levels, which are described below, are not part of any federal or state law.

- **High Sensitivity:** These areas contain known significant cultural resources and have a potential to yield information to address a number of research questions. These areas may have buried deposits, good stratigraphic integrity, and preserved surface and subsurface features. If a project were to impact these areas, a survey and testing program is required to further define resource boundaries subsurface pressure or absence and determine level of significance. Mitigation measures such as an Archaeological Data Recovery Plan (ADRP) and construction monitoring shall also be required.
- **Moderate Sensitivity:** These areas contain recorded cultural resources or have a potential for resources to be encountered. The significance of the cultural resources within these areas is not known. If a project impacts these areas, a survey and significance evaluation is required if cultural resources were identified during the survey. Mitigation measures may also be required.
- **Low Sensitivity:** These areas have slopes greater than 25 degrees. Steep slopes have a low potential for archaeological deposits because they were not occupied by prehistoric peoples but rather used for gathering and other resource procurement activities. Many of these activities do not leave an archaeological signature. If a project impacts these areas, a survey is needed to confirm the lack of cultural resources. Should cultural resources be identified, a significance evaluation is required followed by mitigation measures.

Review of this map shall be done at the initial planning stage of a project to ensure that cultural resources are avoided and/or impacts are minimized in accordance with the City's Historical Resources Guidelines. If there is any evidence that the project area contains archaeological or tribal cultural resources, then an archaeological evaluation consistent with the City's Guidelines would be required. All individuals conducting any phase of the archaeological evaluation program must meet professional qualifications in accordance with the City's Historical Resources Guidelines.

Step 1

Based on the results of the initial determination, if there is evidence that the project area contains archaeological resources, preparation of an evaluation report is required. The evaluation report could generally include background research, field survey, archaeological testing, and analysis. Before actual field reconnaissance would occur, background research is required that includes a record search at the South Coastal Information Center (SCIC) at San Diego State University. A review of the Sacred Lands File maintained by the NAHC shall also be conducted at this time. Information about existing archaeological collections should also be obtained from the San Diego Archaeological Center and any tribal repositories or museums.

Once the background research is complete, a field reconnaissance shall be conducted by individuals whose qualifications meet City standards. Consultants shall employ innovative survey techniques when conducting enhanced reconnaissance including, but not limited to, remote sensing, ground penetrating radar, human remains detection canines, LiDAR, and other soil resistivity techniques as determined on a

case-by-case basis by the tribal representative during the project-specific AB 52 consultation process. Native American participation is required for field surveys when there is likelihood that the project site contains prehistoric archaeological resources or tribal cultural resources. If, through background research and field surveys, resources are identified, then an evaluation of significance, based on the City's Guidelines, shall be performed by a qualified archaeologist.

Step 2

Where a recorded archaeological site or tribal cultural resource (as defined in the PRC) is identified, the City shall initiate consultation with identified California Indian tribes pursuant to the provisions in PRC sections 21080.3.1 and 21080.3.2, in accordance with AB 52. It should be noted that during the consultation process, tribal representative(s) will be involved in making recommendations regarding the significance of a tribal cultural resource which also could be a prehistoric archaeological site. A testing program may be recommended which requires reevaluation of the proposed project in consultation with the Native American representative, which could result in a combination of project redesign to avoid and/or preserve significant resources, as well as mitigation in the form of data recovery and monitoring (as recommended by the qualified archaeologist and Native American representative). The archaeological testing program, if required, shall include evaluating the horizontal and vertical dimensions of a site, the chronological placement, site function, artifact/ecofact density and variability, presence/absence of subsurface features, and research potential. A thorough discussion of testing methodologies including surface and subsurface investigations can be found in the City of San Diego's Historical Resources Guidelines. Results of the consultation process will determine the nature and extent of any additional archaeological evaluation or changes to the proposed project.

The results from the testing program shall be evaluated against the Significance Thresholds found in the Historical Resources Guidelines. If significant historical resources are identified within the area of potential effects, the site may be eligible for local designation. However, this process will not proceed until such time that the tribal consultation has been concluded and an agreement is reached (or not reached) regarding significance of the resource and appropriate mitigation measures are identified. The final testing report shall be submitted to Historical Resources Board (HRB) staff for designation. The final testing report and supporting documentation will be used by HRB staff in consultation with qualified City staff to ensure that adequate information is available to demonstrate eligibility for designation under the applicable criteria. This process shall be completed prior to distribution of a draft environmental document.

An agreement on the appropriate form of mitigation is required prior to distribution of a draft environmental document. If no significant resources are found and site conditions are such that there is no potential for further discoveries, then no further action is required. Resources found to be non-significant as a result of a survey and/or assessment will require no further work beyond documentation of the resources on the appropriate Department of Parks and Recreation site forms and inclusion of results in the survey and/or assessment report. If no significant resources are found, but results of the initial evaluation and testing phase indicates there is still a potential for resources to be present in portions of the property that could not be tested, then mitigation monitoring is required.

Step 3

Preferred mitigation for archaeological resources is to avoid the resource through project redesign. If the resource cannot be entirely avoided, all prudent and feasible measures to minimize harm shall be taken. For archaeological resources where preservation is not an option, a Research Design and Data Recovery Program is required, which includes a Collections Management Plan for review and approval. When tribal cultural resources are present and also cannot be avoided, appropriate and feasible mitigation will be determined through the tribal consultation process and incorporated into the overall data recovery program, where applicable, or project-specific mitigation measures incorporated into the project. The data recovery program shall be based on a written research design and is subject to the provisions as outlined in CEQA Section 21083.2. The data recovery program shall be reviewed and approved by the City's Environmental Analyst prior to distribution of a draft CEQA document and shall include the results of the tribal consultation process. Archaeological monitoring may be required during building demolition and/or construction grading when significant resources are known or suspected to be present on a site but cannot be recovered prior to grading due to obstructions such as, but not limited to, existing development or dense vegetation.

A Native American observer must be retained for all subsurface investigations, including geotechnical testing and other ground disturbing activities whenever a tribal cultural resource or any archaeological site located on City property, or within the area of potential effects of a City project, would be impacted. In the event that human remains are encountered during data recovery and/or a monitoring program, the provisions of California Public Resources Code Section 5097 shall be followed. In the event that human remains are discovered during project grading, work shall halt in that area and the procedures set forth in the California Public Resources Code (Section 5097.98) and State Health and Safety Code (Section 7050.5), and in the federal, State, and local regulations described above shall be undertaken. These provisions shall be outlined in the Mitigation Monitoring and Reporting Program included in a subsequent project-specific environmental document. The Native American monitor shall be consulted during the preparation of the written report, at which time they may express concerns about the treatment of sensitive resources. If the Native American community requests participation of an observer for subsurface investigations on private property, the request shall be honored.

Step 4

Archaeological Resource Management reports shall be prepared by qualified professionals as determined by the criteria set forth in Appendix B of the Historical Resources Guidelines. The discipline shall be tailored to the resource under evaluation. In cases involving complex resources, such as traditional cultural properties, rural landscape districts, sites involving a combination of prehistoric and historic archaeology, or historic districts, a team of experts will be necessary for a complete evaluation. Specific types of historical resource reports are required to document the methods (see Section III of the Historical Resources Guidelines) used to determine the presence or absence of historical resources; to identify the potential impacts from proposed development and evaluate the significance of any identified historical resources; to document the appropriate curation of archaeological collections (e.g., collected materials and the associated records); in the case of potentially significant impacts to historical resources, to recommend appropriate mitigation measures

that would reduce the impacts to below a level of significance; and to document the results of mitigation and monitoring programs, if required.

Archaeological Resource Management reports shall be prepared in conformance with the California Office of Historic Preservation "Archaeological Resource Management Reports: Recommended Contents and Format" (see Appendix C of the Historical Resources Guidelines), which will be used by Environmental staff in the review of archaeological resource reports. Consultants must ensure that archaeological resource reports are prepared consistent with this checklist. This requirement will standardize the content and format of all archaeological technical reports submitted to the City. A confidential appendix must be submitted (under separate cover), along with historical resource reports for archaeological sites and tribal cultural resources, containing the confidential resource maps and records search information gathered during the background study. In addition, a Collections Management Plan shall be prepared for projects that result in a substantial collection of artifacts, which must address the management and research goals of the project, and the types of materials to be collected and curated based on a sampling strategy that is acceptable to the City of San Diego. Appendix D (Historical Resources Report Form) may be used when no archaeological resources were identified within the project boundaries.

Step 5

For Archaeological Resources: All cultural materials, including original maps, field notes, non-burial related artifacts, catalog information and final reports recovered during public and/or private development projects must be permanently curated with an appropriate institution, one which has the proper facilities and staffing for insuring research access to the collections consistent with State and federal standards unless otherwise determined during the tribal consultation process. In the event that a prehistoric and/or historical deposit is encountered during construction monitoring, a Collections Management Plan shall be required in accordance with the project's Mitigation Monitoring and Reporting Program. The disposition of human remains and burial- related artifacts that cannot be avoided or are inadvertently discovered is governed by State (i.e., AB 2641 [Coto] and California Native American Graves and Repatriation Act [NAGPRA] of 2001 [Health and Safety Code 8010-8011]) and federal (i.e., federal NAGPRA [USC 3001-3013]) law, and must be treated in a dignified and culturally appropriate manner with respect for the deceased individual(s) and their descendants. Any human bones and associated grave goods of Native American origin shall be turned over to the appropriate Native American group for repatriation.

Arrangements for long-term curation of all recovered artifacts must be established between the applicant/property owner and the consultant prior to the initiation of the field reconnaissance. When tribal cultural resources are present, or non-burial-related artifacts associated with tribal cultural resources are suspected to be recovered, the treatment and disposition of such resources will be determined during the tribal consultation process. This information must then be included in the archaeological survey, testing, and/or data recovery report submitted to the City for review and approval. Curation must be accomplished in accordance with the California State Historic Resources Commission's Guidelines for the Curation of Archaeological Collections (dated May 7, 1993) and, if federal funding is involved, Title 36 of the Code of Federal Regulations Part 79. Additional information

regarding curation is provided in Section II of the Historical Resources Guidelines.

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APPENDICES

A. Resumes of Key Personnel

B. Confidential Map (*Bound Under Separate Cover*)
Figure 6. Cultural Resources within the Community of Mission Valley

C. Native American Contact Program

Appendix A.

Resumes of Key Personnel

MICHAEL G. BAKSH, PH.D.
Principal Anthropologist/Archaeologist
Tierra Environmental Services

Education

University of California, Los Angeles, Doctor of Philosophy, Anthropology, 1984
University of California, Los Angeles, Master of Arts, Anthropology, 1977
San Diego State University, Bachelor of Arts, Anthropology, 1975

Professional Experience

1993-Present	Principal Anthropologist/Archaeologist, Tierra Environmental Services, San Diego, California
1993-Present	Adjunct Professor, Department of Anthropology, San Diego State University
1990-1993	Senior Anthropologist/Archaeologist, Brian F. Mooney Associates, San Diego, California
1985-1990	Research Anthropologist, University of California, Los Angeles
1980-1985	Consulting Anthropologist, Brian F. Mooney Associates, San Diego, California
1976-1983	Research Assistant, Department of Anthropology, University of California, Los Angeles
1973-1975	Supervisory Archaeologist, San Diego State University, San Diego, California
1970-1973	Assistant Archaeologist, San Diego State University, San Diego, California

Professional Affiliations

Fellow, American Anthropological Association
Member, American Ethnological Society
Member, Association of Environmental Professionals
Member, Society for California Archaeology
Advisory Council Member, San Diego Archaeological Center
Permitted by Bureau of Land Management for Cultural Resource Surveys in California
Principal Investigator, City of San Diego
Member, City of San Diego Historic Resources Board

Qualifications

Dr. Michael Baksh received his Ph.D. in Anthropology from the University of California at Los Angeles in 1984. He has been Principal Anthropologist/Archaeologist at Tierra Environmental Services for 22 years. Dr. Baksh's area of specialty is cultural resource management, and he has conducted numerous archaeological surveys, testing projects, and data recovery programs throughout southern California. He has also conducted numerous Native American consultation and ethnohistoric projects throughout the southwestern United States in compliance with Section 106 of the National Historic Preservation Act. He has established an excellent rapport with Native Americans on a wide range of cultural resource management, land use, and planning projects.

Relevant Projects

Ocotillo Express Wind Archaeological Construction Monitoring *(Pattern Energy).*
Dr. Baksh managed the archaeological construction monitoring for the Ocotillo Express Wind Project in Ocotillo, California. The Ocotillo Express Wind Project involved a year-long construction of 112 wind turbines, more than 30 miles of new roads, and numerous associated facilities on desert lands managed by the U.S. Bureau of Land Management. Tierra employed approximately 20 full-time archaeologists and 10 Native Americans for the project.

As-Needed City of San Diego Cultural Resources *(Helix Environmental).*
Dr. Baksh is managing a multi-year As-Needed Cultural Resources contract for the City of San Diego (through Helix Environmental). Commencing in 2011, numerous task orders have been issued for archaeological studies including surveys, testing programs, monitoring projects, historic evaluations, and records searches throughout the City. In addition to providing archaeological staff Tierra is also responsible for coordinating and retaining Native American monitors. Tierra also coordinates with the San Diego Archaeological Center to ensure that all collections resulting from the As-Needed project are properly curated.

Sunrise Powerlink *(San Diego Gas & Electric).*
Dr. Baksh managed the Native American monitoring of the 2010-2012 construction of the Sunrise Powerlink project. The project included the construction of a 118-mile-long 230-kV/500kV transmission line between SDG&E's Imperial Valley Substation near El Centro, Imperial County, to its Sycamore Canyon Substation near Interstate 15 in San Diego, California, and a new substation in Alpine, California. Native Americans monitored whenever ground-disturbing activities occurred within 50 feet of known cultural resource sites. The U.S. Bureau of Land Management served as lead federal agency under NEPA and the National Historic Preservation Act, and the California Public Utilities Commission served as lead state agency under CEQA from October 2010 to June 2012. Tierra retained 43 Native Americans from six Tribes who worked on a daily basis and logged 24,913 hours.

Caltrans As-Needed Cultural Resource Services *(California Department of Transportation).*
Dr. Baksh served as Principal Anthropologist on the Caltrans District 11 (San Diego and Imperial County) As-Needed Cultural Resources contracts from 1992 through 2010. He managed several archaeological surveys and testing programs and was responsible for coordinating Native American involvement and input on specific task orders. One task order included the development of a comprehensive list of Native Americans capable of providing archaeological monitoring and/or ethnographic consultation services on future Caltrans cultural resource management projects. In consultation with over 20 reservations including Kumeyaay, Luiseño, and Quechan Indians, Dr. Baksh prepared a list for Caltrans to draw upon during future projects and thereby help ensure compliance Section 106 of the National Historic Preservation Act and other regulations. Development of the list also involved consultation with the Native American Heritage Commission and local cultural resource management firms.

Model Marsh Archaeological Studies *(California State Coastal Conservancy)*.
Dr. Baksh managed several archaeological studies associated with the construction of the 20-acre Model Marsh located in the Tijuana Estuary. These resulted in the identification of a historic resource that was found to be associated with the Naval Electronic Laboratory on Point Loma. Tierra subsequently conducted monitoring and during construction of the Model Marsh and discovered a buried prehistoric site. Tierra tested the site, found it to be significant, and implemented a data recovery program. A total of 41 one-square-meter units were excavated in a timely manner to allow completion of project construction. The investigations were conducted in compliance with all federal, state, and local cultural resource laws and in close coordination with State Parks and the U.S. Army Corps of Engineers.

IID Niland to Blythe Powerline Replacement *(Greystone).*
Dr. Baksh managed the archaeological survey of an approximately 60-mile transmission line corridor along an existing transmission line between substations near Blythe and Niland. Archaeological and historical research included a review of records and literature searches and an archaeological field inventory of the transmission line corridor. The BLM and Department of Defense served as Federal lead agencies for NEPA and NHPA compliance, and the Imperial Irrigation District served as the lead agency for CEQA compliance. The survey of the 60-mile-long 500-foot-wise corridor identified 20 previously located sites and 170 new sites including prehistoric flaking stations, lithic scatters, trails, rock rings, pottery scatters, and rock shelters, and historic trash dumps, military encampments, building foundations, cairns, and survey markers. Dr. Baksh also managed the project's Native American consultation.

Sabre Springs *(Parsons Brinckerhoff).*
Tierra conducted a cultural resource study for the proposed Sabre Springs Project adjacent to Interstate 15 and Ted Williams Parkway in the community of Sabre Springs. The project includes the construction of a Transit Center and access road on a 6.2-acre property. The environmental review was conducted in accordance with the California Environmental Quality Act (CEQA) and the City of San Diego Land Development Code. The Metropolitan Transit Development Board (MTDB) will serve as lead agency for CEQA compliance, and Caltrans served as agent for the Federal Highway Administration (FHA) and federal review.

Carroll Canyon *(Parsons Brinckerhoff).*
Tierra conducted several cultural resource studies for the proposed Carroll Canyon Road Extension Project in the area of Interstate 805. These studies have included general cultural surveys, archaeological testing and historic evaluations, and Native American consultation. The City of San Diego has served as the lead agency for CEQA review and Caltrans has served as the lead agency for NEPA review and compliance with the National Historic Preservation Act.

Black Mountain Pipeline *(City of San Diego).*
Dr. Baksh managed the archaeological studies associated with the construction of the Black Mountain Pipeline in the Mira Mesa and Penasquitos communities of San Diego. The project included several miles of pipeline constructed in Black Mountain Road and several adjacent streets. Tierra conducted construction monitoring of the project for a nearly two-year period.

Penaquitos Sewer *(BRG).*
Dr. Baksh conducted the archaeological studies associated with the Penasquitos trunk sewer for the City of San Diego. The project site consisted of a pipeline route of approximately two miles adjacent to Penasquitos Canyon. The study included a records search, Native American consultation, an archaeological survey, and an archaeological testing program.

City Trunk Sewers *(EarthTech).*
Dr. Baksh managed the archaeological studies for trunk sewers and access routes located in 18 canyons the City of San Diego. The goal of the project was to identify any cultural resources that could be impacted by routine maintenance and emergency repairs to aging sewer lines throughout the City. Records searches and archaeological surveys were conducted for all 18 canyons.

City Sewers As-Needed *(BRG).*
Dr. Baksh managed the archaeological studies for the City of San Diego on an As-Needed contract in 2004-2005. Most of the effort involved construction monitoring during the replacement of sewer lines in City streets.

City Water Group Jobs *(Arrieta, BRG, RBF).*
Dr. Baksh managed the archaeological studies for numerous City Water Group Jobs including 689, 744, 903, 904, and 905. Most of the effort associated with these projects involved construction monitoring during the replacement of water pipelines in existing City streets.

San Diego Water Repurification *(Montgomery Watson).*
Dr. Baksh prepared an archaeological feasibility study for the San Diego Water Repurification Project proposed by the City of San Diego Water Utilities Department. This project included analyses of records searches and existing archaeological studies, as well as field reconnaissance studies, for several alternative pipeline conveyance corridors and Advanced Water Treatment Facilities located between the North City Water Reclamation Plant and San Vicente Reservoir.

Mt. Israel Reservoir and Pipelines *(Olivenhain Municipal Water District and Bureau of Land Management).*
Dr. Baksh served as Senior Archaeologist for preparation of the cultural resources study for this proposed reservoir, flood control channel, and pipeline project in San Diego County. The cultural resource study also included record search analyses and intensive surveys of four alternative access roads. Located in an area traditionally utilized by the Luiseño Indians, this project included ethnohistoric research in addition to the archaeological survey.

SDCWA As-Needed Cultural Resources *(San Diego County Water Authority).*
Dr. Baksh served as the Project Ethnographer on the SDCWA As-Needed Cultural Resource Services contract. Task orders focused on Native American consultation and ethnographic research related to an archaeological test excavation and subsequent data recovery program at the Harris Site in association with Pipeline 5.

As Needed Archaeological Services For The MTDB Light Rail Project *(Metropolitan Transit Development Board).*
Dr. Baksh managed the As-Needed archaeological services for the San Diego Metropolitan Transit Development Board for construction of the Mission Valley Light Rail Project between Old Town and Fashion Valley. As-needed services included on-going construction monitoring, site testing, and data recovery activities. During monitoring, a buried prehistoric archaeological site was found at a location scheduled for immediate construction. In consultation with the Army Corps of Engineers and the City of San Diego, a testing project was implemented within days and the site was determined to be significant. Dr. Baksh managed the preparation of an evaluation and treatment plan (for the Heron site) and coordination with the ACOE and City. The plan was approved and Dr. Baksh managed the data recovery fieldwork, which was completed in less than one month after initial discovery of the site and just prior to crucial construction deadlines. He subsequently managed all phases of data analysis and preparation of the draft and final reports.

Clean Water Program/Native American Memorandum Of Understanding *(City of San Diego Metropolitan Waste Water Department).*
Dr. Baksh prepared a Memorandum of Understanding (MOU) between the Metropolitan Waste Water Department and Native American groups in San Diego County. The MOU specifies Native American involvement in archaeological investigations and the treatment of archaeological and human remains associated with construction of CWP facilities in San Diego County.

HILLARY MURPHY

Archaeologist
Tierra Environmental Services

Education

Certificate in Archaeology, San Diego City College
B.A., Interior Design with an Art History Minor, California State University, Sacramento

Professional Experience

July 2007- Current	Project Archaeologist, Tierra Environmental Services, Inc.
March 2008- 2010	On-call Associate Archaeologist, ICF International
June 2007-July 2007	Archaeological field and lab crew, Programme for Belize, Belize
January 2007-June 2007	Archaeology Field School, Rancho Peñasquitos site, CA-SDI-8125 San Diego City College

Qualifications

Ms. Murphy has a variety of experience in cultural resources management in southern California and Central America. Ms. Murphy has been involved in surveys for a number of infrastructure and development related projects. She has served as Project Manager and Crew Chief for various projects including fieldwork regarding survey, testing, data recovery, monitoring, site recording, site and artifact illustration, and lab analysis. Additionally, she has authored and co-authored many technical reports.

Relevant Projects

Ocotillo Express Wind Energy Project – Geotechnical Construction Monitoring Effort
Following the completion of the archaeological survey effort, Ms. Murphy oversaw the monitoring effort and authorized the geotechnical report for the preliminary testing of the proposed turbine locations. Additionally, Ms. Murphy participated in the coordination and preparation of the construction monitoring effort. Per the request of the BLM, Ms. Murphy authored a Tribal Participation Plan to convey details of the proposed monitoring efforts by the participating Native American Tribes, Kumeyaay and Colorado River Tribes. Ms. Murphy also assisted with the authoring of the Archaeological Management Plan for the same effort. This phase of the project is expected to commence May of 2012 at which point Ms. Murphy will assist with the coordination of the monitoring crews and assist with the monitoring reports.

Ocotillo Express Wind Energy Project - Archaeological Survey
Ms. Murphy served as co-project archaeologist for the Ocotillo Wind Express Project. The project consisted of a Class II and Class III survey totaling 12,436 acres for the proposed installation of 112 wind turbines in Imperial County, CA. Ms. Murphy coordinated field crews, both field technicians and Native American monitors, and served as liaison between the office and the field. When needed, Ms. Murphy accompanied Native Americans during site visits. Ms. Murphy assisted with the post-survey analysis of the data and the authorization of the technical report.

Sunrise Powerlink Final Environmentally Superior Southern Route
Ms. Murphy served as Native American Coordinator for the construction monitoring effort for the Sunrise Powerlink; an 118-mile transmission line from San Diego Gas & Electric (SDG&E) Imperial Valley Substation near El Centro, Imperial Valley, to SDG&E's Sycamore Canyon Substation in coastal San

Diego, California. Ms. Murphy coordinated and scheduled monitors from the Kumeyaay Indian Tribes and the Cocopah Indian Tribe. Ms. Murphy discussed with and matched cultural monitors with construction activities in potentially culturally sensitive locations based on proximity and/or Tribal interest. Ms. Murphy authored technical Native American monitoring report upon completion of the project.

Palm Avenue Bridge
Ms. Murphy served as project archaeologist for the survey of the proposed the improvements of the Palm Avenue Bridge at the Interstate-805 interchange. Ms. Murphy also authored the report under Caltrans guidelines.

SR-76 Monitoring
Ms. Murphy served as monitor and authored the report for the widening and realignment efforts extending approximately 5 miles along State Route 76 in northern San Diego County. The monitoring effort extended intermittently over a period of 14 months.

La Posta Pipeline
Ms. Murphy served as crew chief for the La Posta Pipeline Project for the La Posta Band of Mission Indians. The survey resulted in one prehistoric bedrock milling site adjacent to the proposed pipeline. Ms. Murphy authored the Department of Parks and Recreation site forms for the resource, as well as co-authored the technical report.

Campo Homes
Ms. Murphy served as crew chief for a survey of six one-acre parcels of land for prospective new homes of residents in the Campo Indian Reservation. The survey resulted in two sites containing bedrock milling features and lithic scatters. The larger of the two sites contained a massive abundance of both lithic and ceramic scatter, including chalcedony and obsidian. Ms. Murphy authored the site forms and assisted in the preparation of the report.

Salton Sea City Landfill
Ms. Murphy served as monitor, field crew, and report co-author for cultural resources studies related to 320 acres allotted for the development of the Salton City Landfill. The survey resulted in approximately 25 resources ranging from historic refuse deposits to prehistoric fish traps, habitation sites, and lithic and ceramic scatters. A data-test and recovery program was implemented to fully mitigate the resources prior to demolition and Ms. Murphy served as crew, lab analysis and report co-author for this as well. Additionally, as the Landfill's progression continues in the future with various ground disturbing activities, Ms. Murphy will serve as monitor.

Boulevard Apartments
Ms. Murphy served as cultural resources monitor for the ground disturbing activity associated with the implementation of a new low income apartment building within the city of San Diego. The project was located in an urban setting between existing structures and streets. The entire project last over a year and resulted in negative findings.

Campo Homes
Ms. Murphy served as survey crew for six one-acre parcels of land for the prospective new homes of residents in the Campo Indian Reservation. The survey resulted in two sites containing bedrock milling features and lithic scatters. The larger of the two sites contained a massive abundance of both lithic and ceramic scatters including chalcedony and obsidian. Ms. Murphy authored the site forms and assisted in the preparation of the report.

Santa Ysabel Homes
Ms. Murphy served as survey crew for seven parcels of land proposed for the development of single family houses on the Santa Ysabel Indian Reservation. Each parcel surveyed consisted of a one-acre allotment for the housing. One of which resulted in the location of a historic house once used at the Camp Kearny Training Base during World War I, circa 1917-1920. Ms. Murphy assisted in the completion of the report and site forms.

Augustine Land Transfer
Ms. Murphy served as survey crew for the 120-acre land transfer of three parcels on the Augustine Indian Reservation in Coachella, California, which resulted in the location of seven cultural resources including lithic scatters and a potential burial. Historic artifact scatters and deposits were located, as well. Ms. Murphy co-authored the report and site forms.

Jacumba Water System Rehabilitation Project
Ms. Murphy assisted in the survey and monitoring of over 8,500 linear feet for the project. The survey resulted in the recording of seventeen historic and prehistoric archaeological sites including a turn-of the-century stone house, 1920s hotel, and prehistoric habitation sites. Information from the survey was used to direct the planning effort in order to avoid sensitive cultural resources. Ms. Murphy participated in the laboratory analysis of the artifact collection recovered during monitoring for the project. She was responsible for identification and cataloguing of the artifact assemblage.

Niland Waste Water
Ms. Murphy assisted as crew for surveying two linear miles in preparation of new waste water lines and treatment facility to be implemented. She then assisted in the preparation and completion of the report.

Santiago Sedimentation Basin Project
Served as crew for the survey of 21 acres for a housing development upon which two isolated flakes were observed. Ms. Murphy completed the site forms and assisted in the preparation of the report.

Bishop Water System Upgrade
Ms. Murphy authored site forms and participated in the completion of the report for the survey of a new well and water line project that resulted in the location of seven cultural resources.

Ocotillo RV Project
Ms. Murphy assisted in the survey and monitoring of 5-acres proposed for development as an RV storage center. The survey resulted in the recording of two in-situ lithic scatters. Information from the survey was used to direct the planning effort in order to avoid sensitive cultural resources. Ms. Murphy participated in the laboratory analysis of the artifact collection recovered during monitoring for the project. She was responsible for identification and cataloguing of the artifact assemblage.

Programme for Belize, Blue Creek, Belize
Participated in field excavation and laboratory analysis of the University of Texas, Austen's excavation of the third largest Mayan site in Belize, La Milpa, under the supervision of Dr. Fred Valdez Jr. Attempts have been made to understand the chronology of the sites in the northwest region over a period of 15 years.

Rancho Peñasquitos, **CA-SDI-8125**
Participated in the field excavation under the supervision of Dr. Steve Bouscaren to unveil an eighteenth century Spanish zanja in hopes of better understanding the early water works, both agricultural and natural elements, at this historic and prehistoric site.

Appendix B.

Confidential Map *(bound separately)*
Figure 5. Cultural Resources within Mission Valley

Appendix C.

Native American Heritage Commission & Native American Tribal Correspondence

Sacred Lands File Request
Tierra to NAHC

Sacred Land File Response
NAHC to Tierra

Update Notification & Information Requests
(One Example Letter of 27 sent)
Tierra to Native American Tribes

Update Notification & Information Responses
Native American Tribes to Tierra

Sacred Lands File Request

Tierra to NAHC

TIERRA
ENVIRONMENTAL SERVICES

August 26, 2015

Ms. Katy Sanchez
Native American Heritage Commission
1550 Harbor Blvd
West Sacramento, CA 95691
(916) 373-3710

Re: Mission Valley Community Plan Information Project

Dear Ms. Sanchez,

Tierra Environmental Services, Inc. (Tierra) has been retained to conduct a cultural resources constraints report for the Mission Valley Community Plan Project located in western San Diego County (Figure 1). The proposed project is located within unsectioned Pueblo Lands of San Diego as depicted on the La Mesa and La Jolla USGS 7.5' quadrangles (Figure 2).

Archaeological site record and literature reviews have been requested from the South Coastal Information Center at San Diego State University.

In addition to informing you about this project, a major purpose of this letter is to request a search of the sacred lands files in possession of the NAHC. Any information you may have about cultural resources on the property would greatly benefit our study.

If I can provide any additional information, please contact me immediately at (858) 578-9064. Thank you for your assistance.

Sincerely,

HMurphy

Hillary Murphy
Project Archaeologist

Enclosures

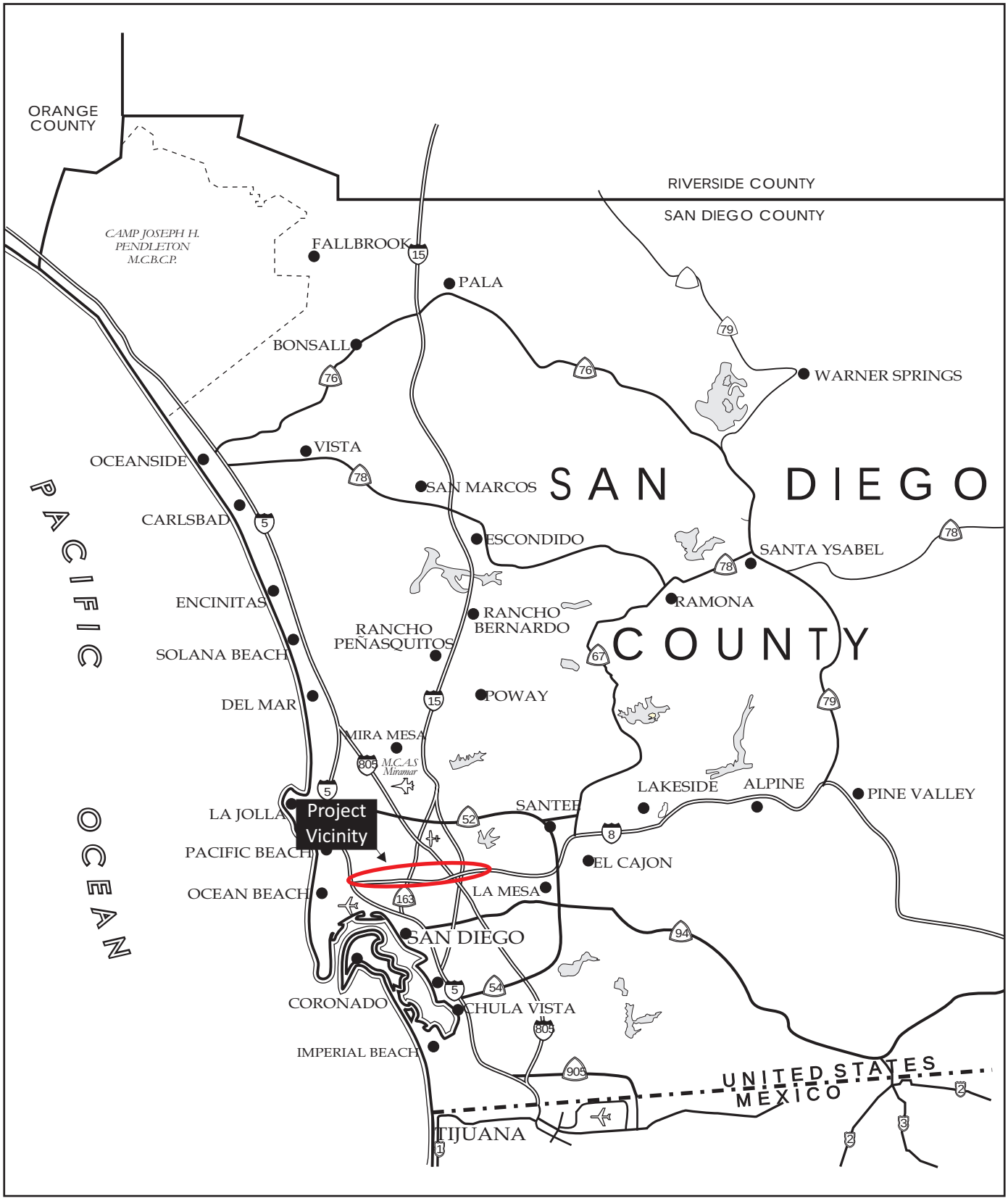


Figure 1. Project Vicinity Map

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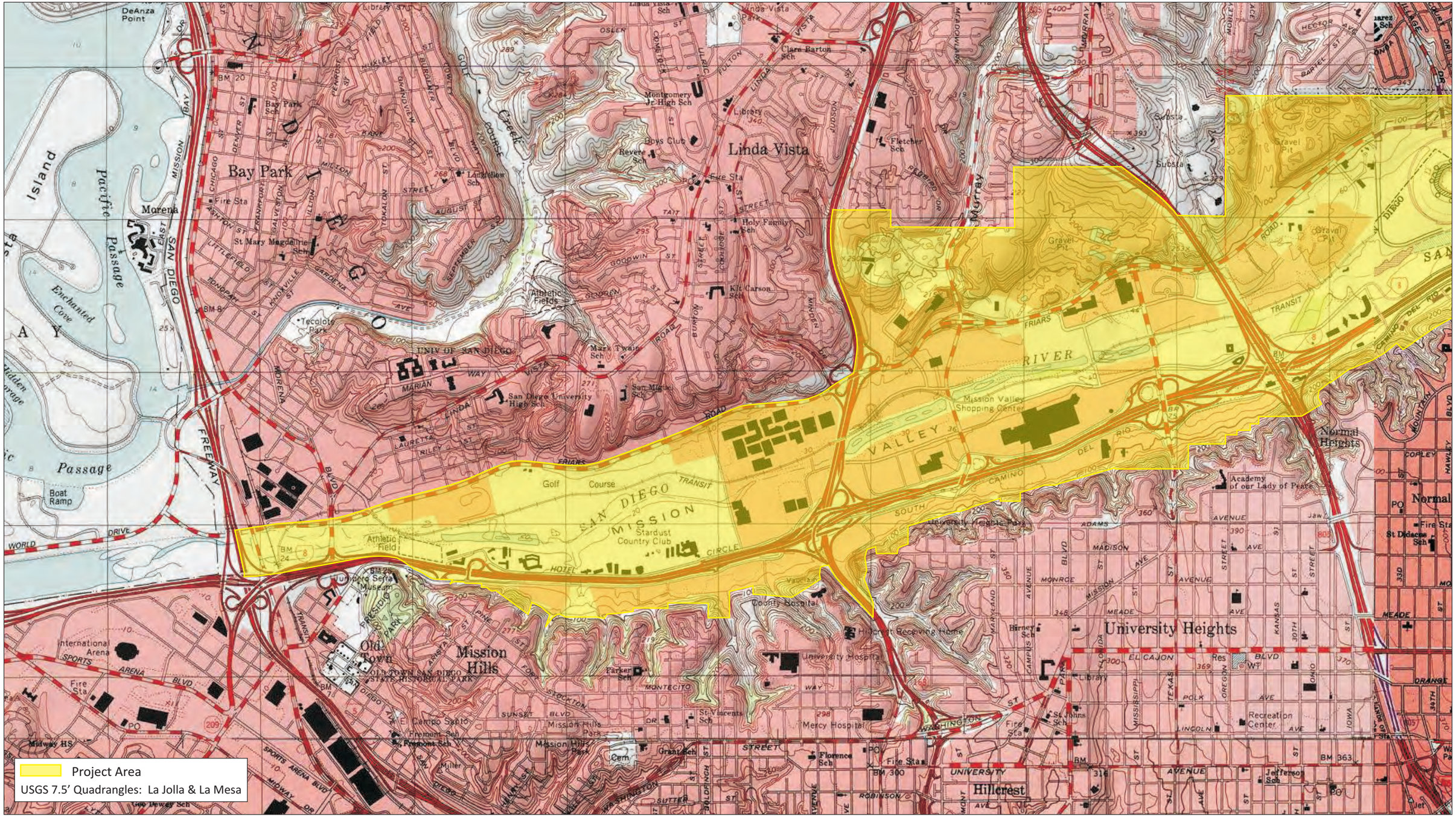


Figure 2a. Project Location Map

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ENVIRONMENTAL SERVICES

Project Area

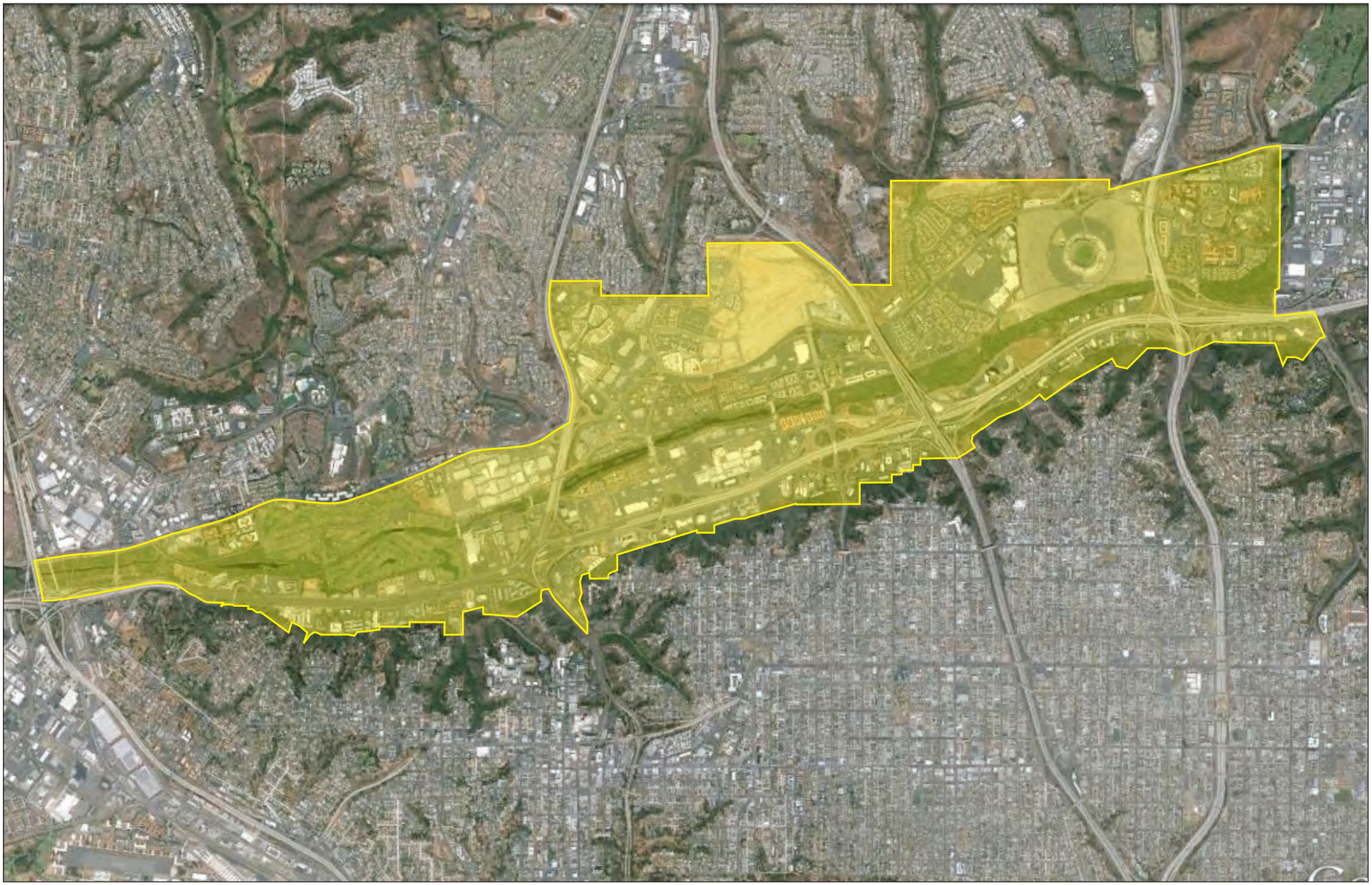
USGS 7.5' Quadrangles: La Jolla & La Mesa

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Figure 2b. Project Location Map

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ENVIRONMENTAL SERVICES



Source: Google Earth 2015

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Figure 3. Aerial Image of Project Area

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Sacred Land File Response
NAHC to Tierra

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
1550 Harbor Blvd., ROOM 100
West SACRAMENTO, CA 95691
(916) 373-3710
Fax (916) 373-5471

January 25, 2016

Hillary Murphy
Project Archaeologist
Tierra Environmental Services

Sent by Email: tierraenv@aol.com
Number of Pages: 4

Reference: Mission Valley Community Plan Information Project, Unsectioned Pueblo Lands of San Diego County as depicted on the La Mesa and La Jolla USGS Quadrangles, San Diego County.

Dear S. Spagnolo:

A record search of the Native American Heritage Commission (NAHC) *Sacred Lands File* was completed for the area of potential project effect (APE) referenced above with negative results. Please note that the absence of specific site information in the *Sacred Lands File* does not indicate the absence of Native American cultural resources in any APE. Other sources of cultural resources information should be contacted regarding known and recorded sites.

Please contact all of the people on the attached list. The list should provide a starting place to locate areas of potential adverse impact within the APE. I suggest you contact all of those listed, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those on the list, your organization will be better able to respond to claims of failure to consult. If a response has not been received within two weeks of notification, the NAHC requests that you follow-up with a telephone call to ensure that the project information has been received

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 373-3711.

Sincerely,

Rob Wood

Rob Wood
Associate Environmental Planner

Native American Contact List
San Diego County
January 25, 2016

Barona Group of the Capitan Grande
Clifford LaChappa, Chairperson
1095 Barona Road Diegueno
Lakeside , CA 92040
cloyd@barona-nsn.gov
(619) 443-6612
(6190 443-0681

Ewiiaapaayp Tribal Office
Robert Pinto Sr., Chairperson
4054 Willows Road Diegueno/Kumeyaay
Alpine , CA 91901
(619) 445-6315

(619) 445-9126 Fax

La Posta Band of Mission Indians
Gwendolyn Parada, Chairperson
8 Crestwood Road Diegueno/Kumeyaay
Boulevard , CA 91905
LP13boots@aol.com
(619) 478-2113
(619) 478-2125 Fax

Manzanita Band of Kumeyaay Nation
Angela Elliott Santos, Chairperson
P.O. Box 1302 Diegueno/Kumeyaay
Boulevard , CA 91905
aelliottsantos7@aol.com
(619) 766-4930

(619) 766-4957 Fax

San Pasqual Band of Mission Indians
Allen E. Lawson, Chairperson
P.O. Box 365 Diegueno
Valley Center , CA 92082
allenl@sanpasqualtribe.org
(760) 749-3200

(760) 749-3876 Fax

Sycuan Band of the Kumeyaay Nation
Cody J. Martinez, Chairperson
1 Kwaaypaay Court Diegueno/Kumeyaay
El Cajon , CA 92019
ssilva@sycuan-nsn.gov
(619) 445-2613

(619) 445-1927 Fax

Viejas Band of Kumeyaay Indians
Anthony R. Pico, Chairperson
P.O. Box 908 Diegueno/Kumeyaay
Alpine , CA 91903
jhagen@viejas-nsn.gov
(619) 445-3810

(619) 445-5337 Fax

Kumeyaay Cultural Historic Committee
Ron Christman
56 Viejas Grade Road Diegueno/Kumeyaay
Alpine , CA 91901
(619) 445-0385

Campo Band of Mission Indians
Ralph Goff, Chairperson
36190 Church Road, Suite 1 Diegueno/Kumeyaay
Campo , CA 91906
rgoff@campo-nsn.gov
(619) 478-9046

(619) 478-5818 Fax

Jamul Indian Village
Raymond Hunter, Chairperson
P.O. Box 612 Diegueno/Kumeyaay
Jamul , CA 91935
Rhunter1948@yahoo.com
(619) 669-4785

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Mission Valley Community Plan Information Project, unsectioned Pueblo Lands of San Diego County as depicted on the La Mesa and La Jolla USGS Quadrangles, San Diego County.

Native American Contact List
San Diego County
January 25, 2016

Mesa Grande Band of Mission Indians
Mark Romero, Chairperson
P.O Box 270 Diegueno
Santa Ysabel , CA 92070
mesagrandeband@msn.com
(760) 782-3818

(760) 782-9092 Fax

Barona Group of the Capitan Grande
ATTN: Sheilla Alvarez
1095 Barona Road Diegueno
Lakeside , CA 92040
salvarez@barona-nsn.gov
(619) 443-6612

Kwaaymii Laguna Band of Mission Indians
Carmen Lucas
P.O. Box 775 Diegueno-Kwaaymii
Pine Valley , CA 91962 Kumeyaay
(619) 709-4207

Viejas Band of Kumeyaay Indians
ATTN: Julie Hagen, Cultural Resources
P.O. Box 908 Diegueno/Kumeyaay
Alpine , CA 91903
jhagen@viejas-nsn.gov
(619) 445-3810
(619) 445-5337

Inaja Band of Mission Indians
Rebecca Osuna, Chairman
2005 S. Escondido Blvd. Diegueno
Escondido , CA 92025
(760) 737-7628

(760) 747-8568 Fax

San Pasqual Band of Indians
John Flores, Environmental Coordinator
P.O. Box 365 Diegueno
Valley Center , CA 92082
johnf@sanpasqualtribe.org
(760) 749-3200

(760) 749-3876 Fax

Kumeyaay Cultural Repatriation Committee
Steve Banegas, Spokesperson
1095 Barona Road Diegueno/Kumeyaay
Lakeside , CA 92040
sbanegas50@gmail.com
(619) 742-5587

(619) 443-0681 Fax

Ewiiaapaayp Tribal Office
Will Micklin, Executive Director
4054 Willows Road Diegueno/Kumeyaay
Alpine , CA 91901
wmicklin@leaningrock.net
(619) 445-6315

(619) 445-9126 Fax

La Posta Band of Mission Indians
Javaughn Miller, Tribal Administrator
8 Crestwood Road Diegueno
Boulevard , CA 91905
jmiller@Lapostatribe.net
(619) 478-2113

(619) 478-2125- Fax

Manzanita Band of Mission Indians
ATTN: David Thompson, EPA
P.O. Box 1302 Kumeyaay
Boulevard , CA 91905
(619) 766-4851

(619) 766-4957 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Mission Valley Community Plan Information Project, unsectioned Pueblo Lands of San Diego County as depicted on the La Mesa and La Jolla USGS Quadrangles, San Diego County.

Native American Contact List
San Diego County
January 25, 2016

Iipay Nation of Santa Ysabel
Clint Linton, Director of Cultural Resources
P.O. Box 507 Diegueno/Kumeyaay
Santa Ysabel , CA 92070
cjlinton73@aol.com
(760) 803-5694

Iipay Nation of Santa Ysabel
Virgil Perez, Chairperson
P.O. Box 130 Diegueno/Kumeyaay
Santa Ysabel , CA 92070
(760) 765-0845

(760) 765-0320 Fax

Sycuan Band of the Kumeyaay Nation
Lisa Haws, Cultural Resource Manager
1 Kwaaypaay Court Diegueno/Kumeyaay
El Cajon , CA 92019
(619) 445-4564

Ewiiaapaayp Tribal Office
Michael Garcia, Vice Chairperson
4054 Willows Road Diegueno/Kumeyaay
Alpine , CA 91901
michaelg@leaningrock.net
(619) 445-6315

(619) 445-9126 Fax

Manzanita Band of the Kumeyaay Nation
Nick Elliott, Cultural Resources Coordinator
P.O. Box 1302 Kumeyaay
Boulevard , CA 91905
nickmepa@yahoo.com
(619) 766-4930
(619) 925-0952 Cell
(919) 766-4957 Fax

Kumeyaay Diegueno Land Conservancy
Mr. Kim Bactad, Executive Director
2 Kwaaypaay Court Diegueno/Kumeyaay
El Cajon , CA 92019
kimbactad@gmail.com
(619) 659-1008 Office

(619) 445-0238 Fax

Kumeyaay Cultural Repatriation Committee
Bernice Paipa, Secretary
P.O. Box 63 Diegueno/Kumeyaay
Santa Ysaberl , CA 92070
bernicepaipa@gmail.com

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Mission Valley Community Plan Information Project, unsectioned Pueblo Lands of San Diego County as depicted on the La Mesa and La Jolla USGS Quadrangles, San Diego County.

Update Notification & Information Requests

(One Example Letter of 27 sent)

Tierra to Native American Tribes

TIERRA
ENVIRONMENTAL SERVICES

January 26, 2016

Barona Group of the Capitan Grande
Clifford LaChappa, Chairperson
1095 Barona Road
Lakeside, CA 92040

RE: Mission Valley Community Plan Update – Cultural Resources Constraints Analysis

Dear Mr. LaChappa,

Tierra Environmental Services (Tierra) has been obtained to conduct a cultural resources constraints analysis for the update of Mission Valley's Community Plan (Figure 1). This analysis report is for informational purposes, not intended for specific construction activities at this time. The City of San Diego serves as Lead Agency for this analysis. The analysis study area encompasses Mission Valley within the unsectioned Pueblo Lands of San Diego of the USGS La Jolla and La Mesa 7.5' California Quadrangles (Figure 2), extending from Fairmount Avenue on the East to Interstate 5 on the west.

A records search has been conducted at the South Coastal Information Center at San Diego State University for the analysis area plus a half-mile radius buffer.

In addition to informing you about this project's status, a major purpose of this letter is to request any information that you and other tribal elders may have regarding cultural resources located in the vicinity of the study area, pursuant to AB52 of the California Environmental Quality Act (CEQA). Any information you may have about cultural resources on the property would greatly benefit our study. If you or other tribal members have any knowledge about cultural resources located in the study area, please contact me.

If I can provide any additional information, please contact me immediately at (858) 578-9064 or tierraenv@aol.com. Thank you for your assistance.

Sincerely,

HMurphy

Hillary Murphy
Archaeologist

Enclosures: Figure 1, Figure 2

Native American Contacts, San Diego County - Provided by the NAHC
Letters Mailed and Emailed to the Following:
January 26, 2016

Barona Group of the Capitan Grande
Clifford LaChappa, Chairperson
Sheilla Alvarez

Campo Band of Mission Indians
Ralph Goff, Chairperson

Ewiiaapaayp Tribal Office
Robert Pinto Sr., Chairperson
Michael Garcia, Vice Chairperson
Will Micklin, Executive Director

Iipay Nation of Santa Ysabel
Virgil Perez, Chairperson
Clint Linton, Director of Cultural Resources

Inaja Band of Mission Indians
Rebecca Osuna, Chairperson

Jamul Indian Village
Raymond Hunter, Chairperson

Kumeyaay Cultural Historic Committee
Ron Christman

Kumeyaay Cultural Repatriation Committee
Steve Banegas, Spokesperson
Bernice Paipa, Secretary

Kumeyaay Diegueno Land Conservancy
Mr. Kim Bactad, Executive Director

Kwaaymii Laguna Band of Mission Indians
Carmen Lucas

La Posta Band of Mission Indians
Gwendolyn Parada, Chairperson
Javaughan Miller, Tribal Administrator

Manzanita Band of the Kumeyaay Nation
Angela Elliott Santos, Chairperson
David Thompson, EPA Director
Nick Elliott, Cultural Resources Coordinator

Mesa Grande Band of Mission Indians
Mark Romero, Chairperson

San Pasqual Band of Mission Indians
Allen Lawson, Chairperson
John Flores, Environmental Coordinator

Sycuan Band of the Kumeyaay Nation
Cody Martinez, Chairperson
Lisa Haws, Cultural Resource Manager

Viejas Band of Kumeyaay Indians
Robert Welch, Chairperson
Julie Hagen, Cultural Resources

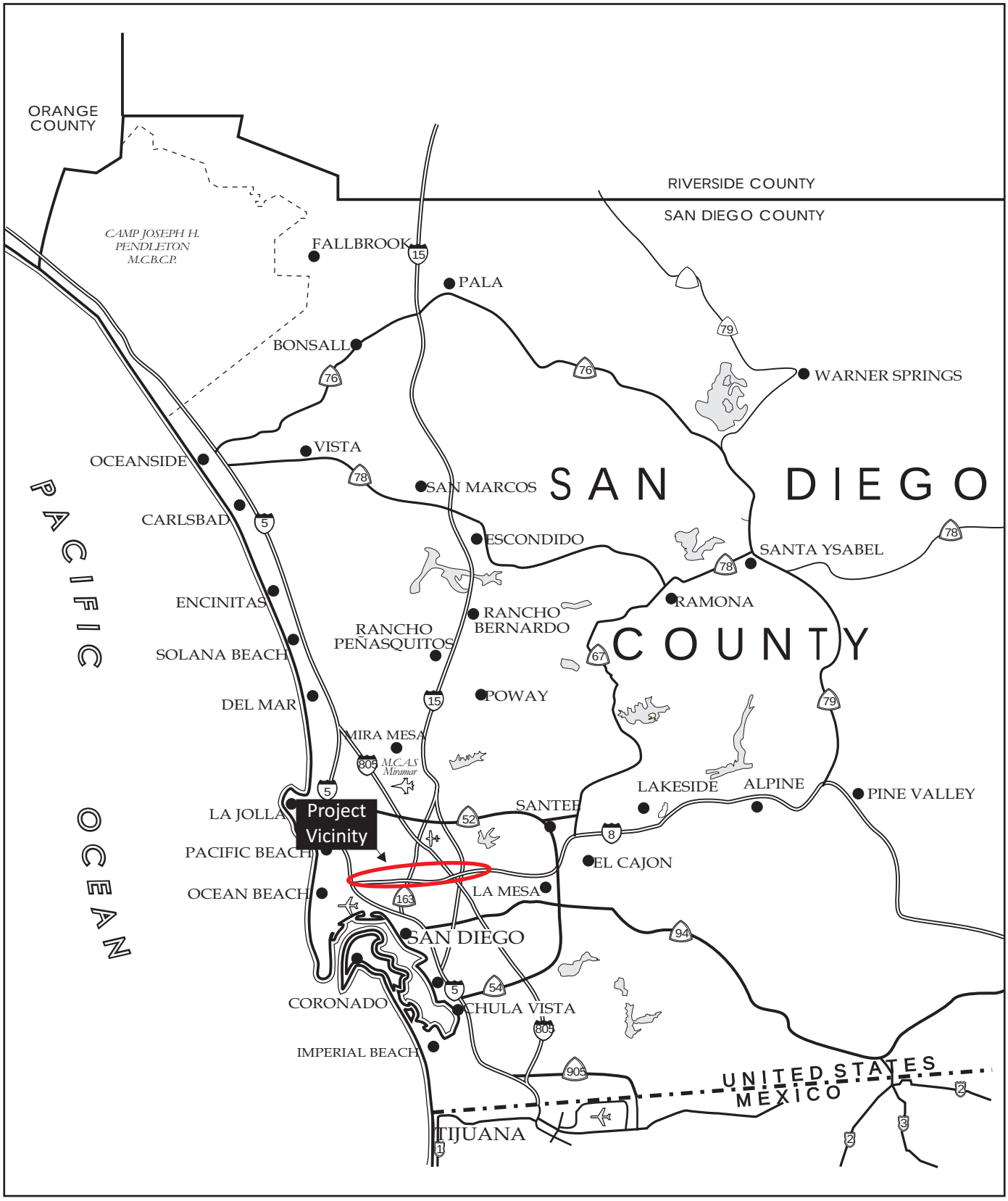


Figure 1. Project Vicinity Map

TIERRA
ENVIRONMENTAL SERVICES

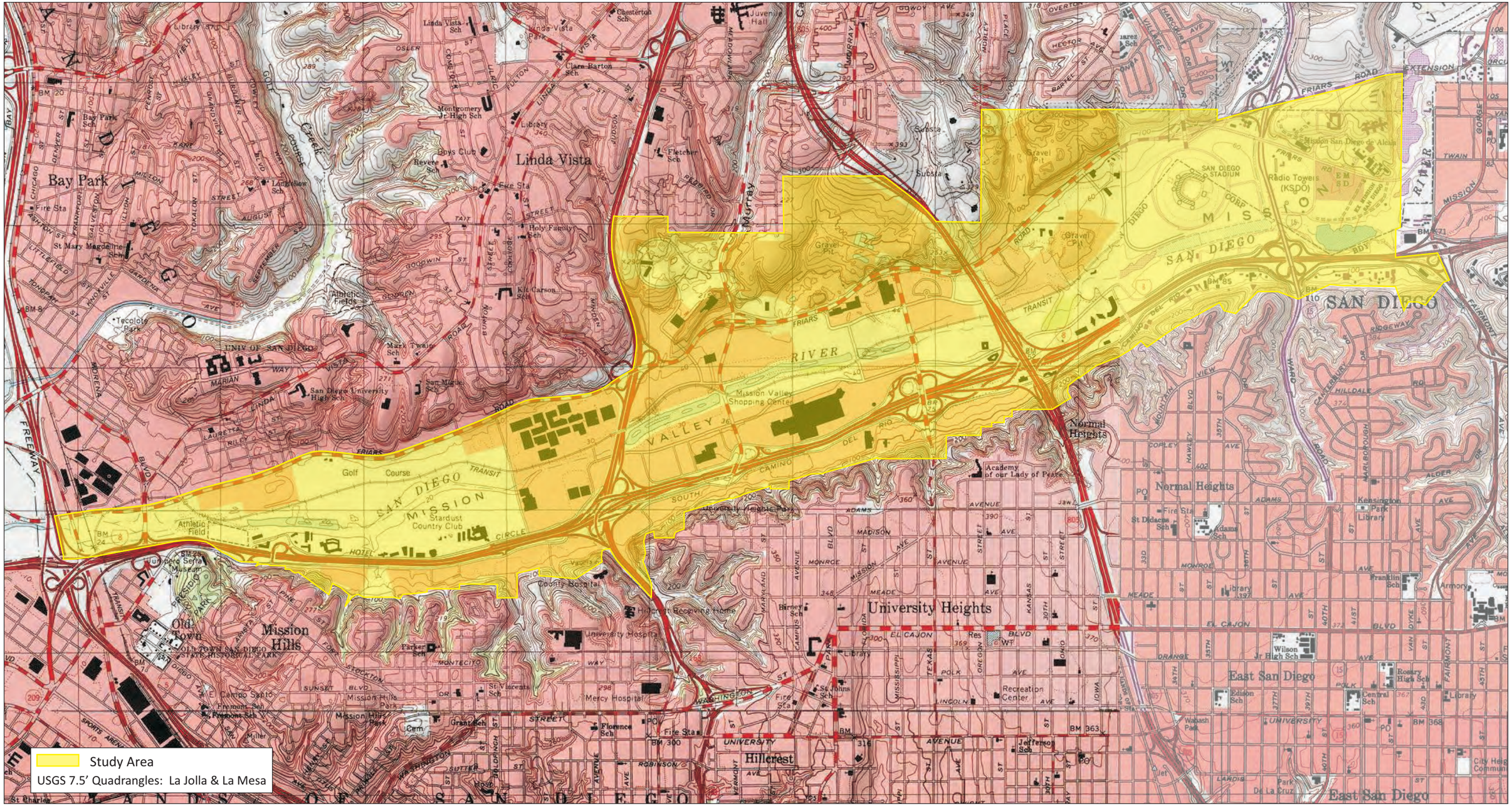


Figure 2. Project Location Map

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ENVIRONMENTAL SERVICES

Update Notification & Information Responses

Native American Tribes to Tierra

From: cjlinton73 <cjlinton73@aol.com>
To: tierraenv <tierraenv@aol.com>
Subject: Re: Mission Valley Community Plan Update Notification
Date: Wed, Feb 3, 2016 2:47 pm

Thanks Hillary!

—Original Message—
From: Tierra Environmental <tierraenv@aol.com>
To: cjlinton73 <cjlinton73@aol.com>
Sent: Wed, Feb 3, 2016 12:44 pm
Subject: Re: Mission Valley Community Plan Update Notification

Hi Clint,

Thank you so much for your response and shared information regarding the Constraints Analysis for the Mission Valley Community Plan Update. Your project area familiarity is essential and we wish to include as much information as you feel comfortable providing for this document to help protect future proposed work from impacting or affecting potential resources. Just to reiterate, since this is a constraints analysis we don't want to include any information that could compromise site confidentiality, but we would want to include anything you might feel is relevant and pertinent to the reporting. Along those lines we are already including your comments and concerns that you have provided thus far into the current draft analysis. Toward this end, please feel free to include anything else you might feel be important to include in the constraints analysis.

Thanks again,

Hillary

Tierra Environmental Services, Inc.
9915 Businesspark Avenue, Ste. C
San Diego, CA 92131
O: (858) 578-9064
F: (858) 578-3646
tierraenv@aol.com

—Original Message—
From: cjlinton73 <cjlinton73@aol.com>
To: tierraenv <tierraenv@aol.com>
Sent: Tue, Feb 2, 2016 10:09 am
Subject: Re: Mission Valley Community Plan Update Notification

Hi Hillary,

With regard to the attached constraints analysis I would like to point out a few areas of particular concern.
1-The village of Kosoy is located in the western portion of this analysis. Having worked on the Hotel Circle South project with Laguna Mt Env I am very familiar with the village boundaries and am happy to share which areas are of most concern as needed.
2-At Bachman Drive and Hotel Circle South we had an inadvertent discovery of human remains across the intersection. These remains were part of a slope wash and migrated down hill to the intersection at some point in time.
3-Mission de Alcala' is located in the far eastern portion of this analysis. No baptized burials are located outside the mission proper and a large buffer zone for their protection should be implemented when finalizing this analysis.

As additional comments I would like to state that all projects within the boundaries of this analysis should be subject to Kumeyaay NAM involvement, giving the NAMs a chance to review individual projects and request their involvement as appropriate.

Thank you,

Clint

—Original Message—
From: Tierra Environmental <tierraenv@aol.com>
To: cjlinton73 <cjlinton73@aol.com>
Sent: Thu, Jan 28, 2016 4:35 pm
Subject: Mission Valley Community Plan Update Notification

Hello Mr. Linton,

Please see the attached letter notifying and requesting information of you in regard to the update of the Mission Valley Community Plan. A hard copy of this letter is being mailed to you as well.

Thank you,

Hillary Murphy

Tierra Environmental Services, Inc.
9915 Businesspark Avenue, Ste. C
San Diego, CA 92131
O: (858) 578-9064
F: (858) 578-3646
tierraenv@aol.com

VIEJAS
TRIBAL GOVERNMENT

P.O. Box 908
Alpine, CA 91903
#1 Viejas Grade Road
Alpine, CA 91901

Phone: 6194453810
Fax: 6194455337
viejas.com

February 2, 2016

Hillary Murphy
Tierra
9915 BusinessPark Ave., Suite C
San Diego, CA 92131

RE: **Mission Valley Community Plan Update**

Dear Ms. Murphy,

The Viejas Band of Kumeyaay Indians would like to request the Cultural Resource report on the above referenced project in order to make an informed decision/recommendation on the matter.

Sincerely,

VIEJAS BAND OF KUMEYAAY INDIANS

Hillary Murphy

From: Hillary Murphy
Sent: Wednesday, February 03, 2016 12:33 PM
To: 'Julie Hagen'
Subject: RE: Mission Valley

Dear Ms. Hagen and the Viejas Band of Kumeyaay Indians,

Thank you for your recent response to our inquiry for information regarding the Mission Valley Community Plan Update submitted to you on January 28, 2016. Your contact information was provided to us by the Native American Heritage Commission during the initial fact finding phase of our work and as such the constraints analysis technical document report is still in draft format. As per the guidelines of the data collection phase, we will include in the document your concern for the project area and your request to have a final document provided to you by the lead agency, the City of San Diego.

Should you have any additional comments or concerns that you would like included in the report, please contact us at your earliest convenience.

Sincerely,

Hillary Murphy
Archaeologist

Tierra Environmental Services
9915 Businesspark Avenue, Suite C
San Diego, CA 92131
O: (858)578.9064
F: (858)578.3646

From: Julie Hagen [mailto:jhagen@viejas-nsn.gov]
Sent: Tuesday, February 02, 2016 4:24 PM
To: Hillary Murphy
Subject: Mission Valley

Hello,

Attached is a comment letter from Viejas Band. Thank you

Julie Hagen
Environmental Coordinator
1 Viejas Grade Rd
Alpine, CA 91901
Phone: 619-659-2339
Cell: 619-890-2346

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Appendix H: Historic Context Statement

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DRAFT

MISSION VALLEY COMMUNITY PLAN

HISTORIC CONTEXT STATEMENT

Prepared for:

City of San Diego Planning Department
9485 Aero Drive, San Diego, CA 92123

Prepared by:

Heritage Architecture & Planning
633 Fifth Avenue, San Diego, CA 92101

for:
Dyett & Bhatia
755 Sansome Street #400, San Francisco, CA 94111

January 31, 2019

MISSION VALLEY COMMUNITY PLAN
HISTORIC CONTEXT

Prepared for:

CITY OF SAN DIEGO
PLANNING DEPARTMENT
9485 Aero Drive, San Diego, CA 92123

Prepared by:

HERITAGE ARCHITECTURE & PLANNING
633 Fifth Avenue, San Diego, CA 92101

for

DYETT & BHATIA
755 Sansome Street Suite 400, San Francisco, CA 94111

DRAFT
January 31, 2019

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TITLE PAGE

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SECTION I PROJECT OVERVIEW

A. INTRODUCTION

The Mission Valley Historic Context Statement was prepared for Dyett & Bhatia and the City of San Diego to provide a historical overview of the Mission Valley Community Plan area as an initial step to the plan update. The original Mission Valley Community Plan was adopted in 1985 and is undergoing a comprehensive update.

The intent of the Mission Valley historic context statement is to provide an analytical framework for identifying and evaluating resources of the built environment by focusing on the aspects of geography, history, and culture that significantly shaped the physical development of a community's land use patterns over time. This Historic Context Statement of Mission Valley's built environment will focus on pre-history through 1970, which coincides with the City of San Diego Municipal Code's 45 year threshold to review properties which may be adversely impacted by development.

The report identifies periods, events, themes, and patterns of development. It also provides a framework for evaluating individual historic properties and districts in accordance with the National Register of Historic Places, the California Register of Historical Resources, and the San Diego Register of Historical Resources.

Although the report will note key historical themes that shaped development of the Mission Valley Community Plan area, it is not a comprehensive history of the community, nor is it a definitive listing of all community's significant resources. Instead, it provides a general discussion of the principal influences that created the built environment; why the resources are important; and what characteristics they should have to be considered an important representation of their type and context.

Study Lists have been included under each theme to aid in the identification and evaluation of properties within the Mission Valley Community. Properties in these Study Lists should be evaluated at some level to determine whether they are significant; however, their inclusion in a Study List does not mean that these properties have been determined significant by this study. In addition, properties not included in these Study Lists may nevertheless be eligible for designation and should be evaluated if it appears that the property could be significant under one or more of the City's Designation Criteria.

B. PROJECT STUDY AREA

The Mission Valley Community Plan area encompasses approximately 3,216 acres and is located near the geographic center of the City of San Diego. It is bounded on the west by Interstate 5 (I-5), on the north by Friars Road west of State Route 163 (SR-163) and by the northern slopes of the valley east of SR-163, on the east by eastern bank of the San Diego River, and on the south by approximately the 150-foot elevation contour line.

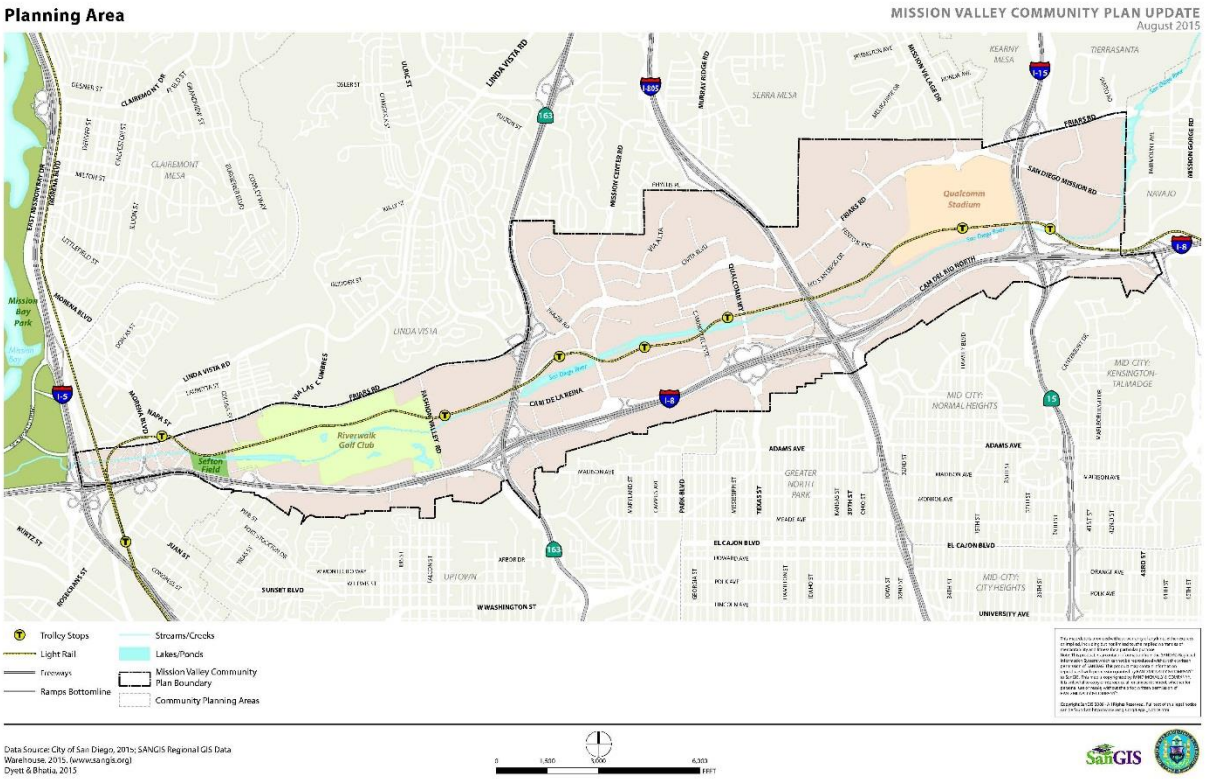


Figure 1-1: Mission Valley Community Plan project study area.

C. METHODS

The development of a historic context statement is a critical first step in assessing historical resources. The content and organization are prepared in accordance with the following guidelines established by the National Park Service:

- National Register Bulletin 15: *How to Apply the National Register Criteria for Evaluation*
- National Register Bulletin 16A: *How to Complete the National Register Form*
- National Register Bulletin 16B: *How to Complete the National Register Multiple Property Documentation*
- National Register Bulletin 24: *Guidelines for Local Surveys: A Basis for Preservation Planning*

In addition, the following guidelines were consulted:

- *Instructions for Recording Historical Resources*, California Office of Historic Preservation
- "Writing Historic Contexts", California Office of Historic Preservation
- "Historic Resources Survey Guidelines," City of San Diego
- "San Diego Modernism Historic Context Statement," City of San Diego

This report was prepared using primary and secondary sources related to the development history of Mission Valley. Archival research was conducted to determine the location of previously documented historic and architectural resources within the project study area and to help establish a context for resource significance. National, state, and local inventories of architectural/historic resources were examined in order to identify significant local historical events and personages, development patterns, and unique interpretations of architectural styles.

Information was solicited regarding the location of historic properties in the project area from local governments, public and private organizations, online repositories, and other parties likely to have knowledge of or concerns about such resources. The following inventories, sources, and persons were consulted in the process of compiling this report:

- National Register of Historic Places
- California Historical Resources Information System (CHRIS) Information Center
- California Historical Landmarks
- California Points of Historical Interest
- California Register of Historic Resources
- City of San Diego Historical Resources Board
- San Diego History Center Research Library
- San Diego Central Public Library, California Room
- Modernsandiego.com

Materials included documentation of previous reports, photographs, news articles, and maps. Published sources focusing on local history were consulted, as well as material relating to federal, state, and location designation requirements. Research for the report was not intended to produce a large compendium of historical and genealogical material, but rather to provide selected information necessary to understanding the evolution of the area and its significance.

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SECTION II HOW TO USE THIS DOCUMENT

A. PURPOSE OF A HISTORIC CONTEXT STATEMENT

According to the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation*, "the development of historic context statements is the foundation for decisions about the identification, evaluation, registration, and treatment of historic properties, and surveys." They provide the basis for evaluating significance and integrity.

B. OVERVIEW OF DISIGNATION PROGRAMS

Federal, state, and local historic preservation programs provide specific criteria for evaluating the potential historic significance of a resource. Although the criteria used by the different programs (as relevant here, the National Register of Historic Places, the California Register of Historical Resources, and the City of San Diego's Local Register of Historical Places) vary in their specifics, they focus on many of the same general themes. In general, a resource need only meet one criterion in order to be considered historically significant.

Another area of similarity is the concept of integrity — generally defined as the survival of physical characteristics that existed during the resource's period of significance. Federal, state, and local historic preservation programs require that resources maintain integrity in order to be identified as eligible for listing as historic.

To date, the Mission San Diego de Alcalá is the only resource within the Mission Valley Community Plan area that has been identified and is listed in the National Register of Historic Places, the California Register of Historical Resources, and the City of San Diego's Local Register of Historical Places.

1. National Register of Historic Places

The National Register of Historic Places (commonly referred to as the "National Register" or "NRHP") is a Congressionally-authorized inventory of buildings, structures, objects, sites, and districts that possess historic, architectural, engineering, archaeological, or cultural significance at the national, state, or local level. According to the *National Register Bulletin Number 15, How to Apply the National Register Criteria for Evaluation*, resources over fifty years of age are typically eligible for listing if they meet any one of four significance criteria and if they possess historic integrity. The following are the four basic criteria set forth by the National Register (listed alphabetically):

> **Criterion A**: Properties that are associated with events that have made a significant contribution to the broad patterns of our history; or
>
> **Criterion B**: Properties that are associated with the lives of persons significant in our past; or
>
> **Criterion C**: Properties that embody the distinctive characteristics of a type, period, or method of construction; represent the work of a master; possess high artistic values; or

represent a significant and distinguishable entity whose components may lack individual foundation; and

Criterion D: Properties that have yielded or is likely to yield information important in prehistory or history.

Criteria Considerations
According to the National Register, not all property types are eligible for listing in the National Register. However, these properties can be eligible *if* they meet specific requirements, or Criteria Considerations, as well as meeting one or more of the four evaluation criteria described previously. These National Register Criteria Considerations are:

Criteria Consideration A: A religious property deriving primary significance from architectural or artistic distinction or historical importance; or

Criteria Consideration B: A building or structure removed from its original location but which is primarily significant for architectural value, or which is the surviving structure most importantly associated with a historic person or event; or

Criteria Consideration C: A birthplace or grave of a historical figure of outstanding importance if there is no appropriate site or building directly associated with his or her productive life; or

Criteria Consideration D: A cemetery which derives its primary importance from graves of persons of transcendent importance, from age, from distinctive design features, or from association with historic events; or

Criteria Consideration E: A reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived; or

Criteria Consideration F: A property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance; or

Criteria Consideration G: A property achieving significance within the past 50 years if it is of exceptional importance.

2. California Register of Historical Resources

The California Register of Historical Resources ("California Register" or "CRHR") is an authoritative guide to California's significant historical and archaeological resources to be used by state and local agencies, private groups, and citizens in identifying the existing historical resources of the state, and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change. The California Register includes:

- Resources formally determined eligible for, or listed in, the National Register
- State Historical Landmarks number 770 or higher;
- Points of Historical Interest recommended for listing by the State Historical Resources Commission;

- Resources nominated for listing and determined eligible in accordance with criteria and procedures adopted by the State Historical Resources Commission, including
    - Individual historic resources and historic districts;
    - Resources identified as significant in historical resources surveys which meet certain criteria; and
    - Resources and districts designated as city or county landmarks pursuant to a city or county ordinance when the designation criteria are consistent with California Register criteria.

Resources eligible for listing include buildings, site, structure, objects, or historic districts that retain historic integrity and are historically significant at the local, state, or national level under one of the following four criteria:

> **Criterion 1**: Properties that are associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States;
>
> **Criterion 2**: Properties that are associated with the lives of persons important to local, California, or national history;
>
> **Criterion 3**: Properties that embody the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possess high artistic values; or
>
> **Criterion 4**: Properties that have yielded or has the potential to yield information important in prehistory or history of the local area, California, or the nation.

In addition to having significance, resources must have integrity for the period of significance. The period of significance is the date or span of time within which significant events transpired, or significant individuals made their important contributions.

The California Register does not have strict Criteria Considerations as the National Register and are more flexible for properties that have been relocated, properties less than fifty years of age, and reconstructed buildings.

> For **moved properties**, the California Register may consider eligibility if the resource was moved to prevent demolition at the former location and if the new location is compatible with the original character and use of the historic resource. The historical resource should retain its historic features and compatibility in orientation, setting, and general environment.
>
> Properties that are have **achieved significance within the past fifty years** may be considered for listing in the California Register if it can demonstrate that sufficient time has passed to understand the resource's historical importance.
>
> **Reconstructed buildings** are those buildings not listed in the California Register under the criteria stated above. A reconstructed building less than fifty years old may be eligible if it embodies traditional building methods and techniques that play an important role in a community's historically rooted beliefs, customs, and practices.

3. City of San Diego Register of Historical Resources

The Historical Resources Guidelines of the City of San Diego's Land Development Manual (LDM) identifies the criteria under which a resource may be historically designated. It states that any improvement, building, structure, sign, interior element and fixture, site, place, district, area, or object, typically over 45 years old, regardless of whether they have been altered or continue to be used, may be designated a historical resource by the City of San Diego Historical Resources Board (HRB) if it meets one or more of the following designation criteria listed below and retains sufficient integrity to convey its significance.

> **HRB Criterion A:** Exemplifies or reflects special elements of the City's, a community's, or a neighborhood's, historical, archaeological, cultural, social, economic, political, aesthetic, engineering, landscaping or architectural development;
>
> **HRB Criterion B:** Is identified with persons or events significant in local, state or national history;
>
> **HRB Criterion C:** Embodies distinctive characteristics of a style, type, period, or method of construction or is a valuable example of the use of indigenous materials or craftsmanship;
>
> **HRB Criterion D:** Is representative of the notable work or a master builder, designer, architect, engineer, landscape architect, interior designer, artist, or craftsman;
>
> **HRB Criterion E:** Is listed or has been determined eligible by the National Park Service for listing on the National Register of Historic Places or is listed or has been determined eligible by the State Historical Preservation Office for listing on the State Register of Historical Resources; or
>
> **HRB Criterion F:** Is a finite group of resources related to one another in a clearly distinguishable way or is a geographically definable area or neighborhood containing improvements which have a special character, historical interest or aesthetic value or which represent one or more architectural periods or styles in the history and development of the City.

4. Integrity

The concept and aspects of integrity are defined in "Section VIII. How to Evaluate the Integrity of a Property Historical Resource" in *National Register Bulletin Number 15: How to Apply the National Register Criteria for Evaluation.* According to the Bulletin, "Integrity is the ability of a property to convey its significance." The evaluation of integrity must be grounded in an understanding of a property's physical features, and how they relate to the concept of integrity. Determining which of these aspects are most important to a property requires knowing why, where, and when a property is significant. To retain historic integrity, a property must possess several, and usually most, aspects of integrity:

- *Location* is the place where the historic property was constructed or the place where the historic event occurred.

- *Design* is the combination of elements that create the form, plan, space, structure, and style of a property.
- *Setting* is the physical environment of a historic property, and refers to the character of the site and the relationship to surrounding features and open space. Setting often refers to the basic physical conditions under which a property was built and the functions it was intended to serve. These features can be either natural or manmade, including vegetation, paths, fences, and relationship between other features or open space.
- *Materials* are the physical elements that were combined or deposited during a particular period of time, and in particular pattern or configuration to form a historic property.
- *Workmanship* is the physical evidence of crafts of a particular culture or people during any given period of history or prehistory, and can be applied to the property as a whole, or to individual components.
- *Feeling* is a property's expression of the aesthetic or historic sense of a particular period of time. It results from the presence of physical features that, when taken together, convey the property's historic character.
- *Association* is the direct link between the important historic event or person and a historic property.

5. Applying Designation Criteria and Integrity

While it is understood that nearly all properties undergo change over time—and thus minor alterations or changes are not uncommon—a building must possess enough of its original features to demonstrate why it is significant. When evaluating a property's integrity, evaluators should look closely at characteristics such as massing, roof forms, the pattern of windows and doors, cladding materials, and neighborhood surroundings.

In order to convey its historical significance, a property that has sufficient integrity for listing in the national, state, or local historical register will generally retain a majority of its character-defining features. However, the necessary aspects of integrity also depend on the criteria for which the property is significant.

National Register of Historic Places / California Register of Historical Resources

National Register Bulletin Number 15, How to Apply the National Register Criteria for Evaluation describes what aspects of integrity are essential for each of the four National Register criteria. Although the National Register Bulletin does not address the California Register, the same principles are utilized.

> **NRHP A/CRHR 1** (Events): A property that is significant for its historic association is eligible if it retains the essential physical features that made up its character or appearance during the period of its association with the important event or historical pattern. If the property is a site (such as a treaty site) where there are no material cultural remains, the setting must be intact. Archeological sites eligible under these criteria must be in overall good condition with excellent preservation of features, artifacts, and spatial relationships to the extent that these remains are able to convey important associations with events.
>
> **NRHP B/CRHR 2** (Persons): A property that is significant for its historic association with an important person(s) is eligible if it retains the essential physical features that made up its

character or appearance during the period of its association with the person(s). If the property is a site where there are no material cultural remains, the setting must be intact. Archeological sites eligible under these criteria must be in overall good condition with excellent preservation of features, artifacts, and spatial relationships to the extent that these remains are able to convey important associations with persons.

NRHP C/CRHR 3 (Architecture): A property important for illustrating a particular architectural style or construction technique must retain most of the physical features that constitute that style or technique. A property that has lost some historic materials or details can be eligible if it retains the majority of the features that illustrate its style in terms of the massing, spatial relationships, proportion, pattern of windows and doors, texture of materials, and ornamentation. The property is not eligible, however, if it retains some basic features conveying massing but has lost the majority of the features that once characterized its style. Archeological sites eligible under this criterion must be in overall good condition with excellent preservation of features, artifacts, and spatial relationships to the extent that these remains are able to illustrate a site type, time period, method of construction, or work of a master.

NRHP D/CRHR 4 (Information Potential & Archaeology): For properties eligible under this criterion, including archeological sites and standing structures studied for their information potential, less attention is given to their overall condition, than if they were being considered for events, persons, or design. Archeological sites, in particular, do not exist today exactly as they were formed. There are always cultural and natural processes that alter the deposited materials and their spatial relationships.[1]

To summarize, properties significant under Events or Architecture criteria need only retain integrity of design, materials, and workmanship to the extent that they help the property convey integrity of feeling and/or association. Similarly, integrity of location and setting are crucial for properties significant under Events criteria, but are typically less important for properties significant under Persons or Architecture criteria. High priority is typically placed on integrity of design, materials, and workmanship for properties significant under Architecture criteria. For properties significant under any of these criteria, however, it is possible for some materials to be replaced without drastically affecting integrity of design as long as these alterations are subordinate to the overall character of the building. For example, minor alterations such as window replacement may be acceptable in residential districts but are less so for individual properties designed by a master architect.

Evaluations of integrity should also include some basis of comparison. In other words, the evaluator should understand the general extent of alterations common to each property type--especially for properties that are particularly old or rare. Conversely, properties that are less rare or not as old should retain all or nearly all of their original features to qualify for historic listing. *National Register Bulletin Number 15, How to Apply the National Register Criteria for Evaluation*, states that:

"...comparison with similar properties should be considered during the evaluation of integrity. Such comparison may be important in deciding what physical features are essential to properties of that type. In instances where it has not been determined what physical features a property must possess in order for it to reflect

[1] National Park Service. *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation*, p. 48.

> the significance of a historic context, comparison with similar properties should be undertaken during the evaluation of integrity. This situation arises when scholarly work has not been done on a particular property type or when surviving examples of a property type are extremely rare."[2]

Properties that have undergone few or no alterations and retain all aspects of integrity are more likely to be eligible for listing in state or national historic registers. These properties should also be given high priority in preservation planning efforts. Finally, it should be stressed that historic integrity and condition are not the same. Buildings with evident signs of deterioration can still retain eligibility for historic listing as long as it can be demonstrated that they retain enough character-defining features to convey their significance.

City of San Diego

The City of San Diego's Guidelines for the Application of Historical Resources Board Designation Criteria (adopted 27 August 2009) outlines significant aspects of integrity related to each criterion:

> **Criterion A** (Events & Archeology): The significant aspects of integrity for a property significant under Criterion A may vary depending upon the aspect of development for which the resource is significant. For instance, design, materials, workmanship and feeling may be especially important for aspects of aesthetic, engineering, landscape and architectural development. Location, setting, feeling and association may be especially important for aspects of historical, archaeological, cultural, social, economic, and political development. It is critical for the evaluator to clearly understand the context and why, where, and when the property is significant in order to identify which aspects of integrity are most important to the resource.
>
> **Criterion B** (Events & Persons): Location, setting, feeling and association are the most relevant aspects of integrity related to Criterion B. Integrity of design and workmanship might not be as important, and would not be relevant if the property were a site. A basic integrity test for a property associated with an important event or person is whether a historical contemporary would recognize the property as it exists today.
>
> **Criterion C** (Architecture): Retention of design, workmanship, and materials will usually be more important than location, setting, feeling, and association. Location and setting will be important; however, for those properties whose design is a reflection of their immediate environment.
>
> **Criterion D** (Master Architect/Builder): property important as a representative example of the work of a Master must retain most of the physical features and design quality attributable to the Master. A property that has lost some historic materials or details can be eligible if it retains the majority of the features that illustrate its style in terms of the massing, spatial relationships, proportion, pattern of windows and doors, texture of materials, and ornamentation. The property is not eligible, however, if it retains some basic features conveying massing but has lost the majority of the features that once characterized its style and identified it as the work of a Master.

[2] Ibid., p. 47.

C. DOCUMENT ORGANIZATION

The Mission Valley Historic Context Statement identifies development patterns and significant properties in the area. The document is organized as follows:

- **Section I – Introduction** provides an introduction to the document and defines the geographical boundaries of the study area.
- **Section II – How to Use this Document** provides an overview of the purpose of historic contexts, regulatory designation programs, and report organization.
- **Section III – Historic Context, Significant Themes, and Related Property Types** includes a narrative of the area's developmental history. The history is broken down into periods which are defined by events, themes, and development trends. Property types associated with each of the periods are identified and analyzed. Analysis includes an architectural description, a list of character-defining features, an evaluation of historic significance, a summary of integrity considerations, and associated property study list.
- **Section IV – Appendix** includes a section on architectural styles and a study list of properties of architecture or thematic interest within Mission Valley.

SECTION III HISTORIC CONTEXT, SIGNIFICANT THEMES, AND RELATED PROPERTY TYPES

INTRODUCTION

This section provides a discussion of each of the historic themes important to the development of Mission Valley and the property types that are associated with those themes in a significant way. Mission Valley includes all of the land between overlying mesas on the lower ten miles of the San Diego River from the rocky construction of Mission Gorge to the lowlands of Mission Bay. The San Diego River, which runs through the center of Mission Valley and empties out into the San Diego Bay, played a key role on how Mission Valley has developed to the present time.

PRE- SETTLEMENT (Pre-1769)

The history of Mission Valley began long before the arrival of Spanish missionaries and soldiers in 1769. Originally home of the Kumeyaay tribes, the area had been inhabited for thousands of years prior to the development of the area by Europeans. Villages and settlements, such as Kosaii/Kosa'aay/Cosoy and Nipaguay, were located at modern-day Mission Valley, dotted the valley floor for centuries, as the groups were drawn by the water of the river and the abundance of plant and animal life.[1]

Mission Valley was known to the Spanish as "La Canada de San Diego," translated as "The Glen of San Diego" and the San Diego River was the center of life. The first mention of the San Diego River was in the diary of explorer Sebastian Vizcaino. In 1602, Vizcaino left San Diego Bay to explore False Bay (now Mission bay) and reported that it was a "good port, although it had at its entrance a bar of little more than two fathoms depth, and there was a very large grove at an estuary which extended into the land, and many Indians."[2]

Associated Property Types

No built environment is known to exist from Mission Valley's pre-contact period. The pre-contact and associated Tribal cultural and archaeological resources are addressed in the Cultural Resources Constraints Analysis of the Mission Valley Community Plan Update.

SPANISH AND MEXICAN PERIOD (1769-1847)

When the Spanish returned in 1769 with the intent to settle the area, Mission Valley and the San Diego River was found to be a "river with excellent water" by Captain Vincente Vila of the ship *San Carlos.*[3] Soon thereafter a land expedition led by Gaspar de Portola reached San Diego Bay, where they met

[1] "San Diego River Context." www.sandiegoriver.org/docs/our_vision_conceptual_plan/3.SanDiegoRiverContext.pdf; accessed September 27, 2015.
[2] Richard F. Pourade, *The Explorers* quoted in Nan Taylor Papageorge, "The Role of the San Diego River in the Development of Mission Valley." *The Journal of San Diego History*, Vol. 17, No. 2, (Spring 1971). http://sandiegohistory.org/journal/71spring/river.htm; accessed August 31, 2015.
[3] Nan Taylor Papageorge, "The Role of the San Diego River in the Development of Mission Valley." *The Journal of San Diego History*, Vol. 17, No. 2, (Spring 1971). http://sandiegohistory.org/journal/71spring/river.htm; accessed August 31, 2015.

those who had survived the trip by sea on the *San Antonio* and the *San Carlos*. Initially, camp was made on the shore of the bay in the area that is now downtown San Diego. However, lack of water at this location led to moving the camp to a small hill closer to the San Diego River near the Kumeyaay village of Kosaii/Kosa'aay/Cosoy. The Spanish built a primitive mission and presidio structure on the hill near the river. The first chapel and shelters were built of wooden stakes and brush, with roofs of tule reeds.

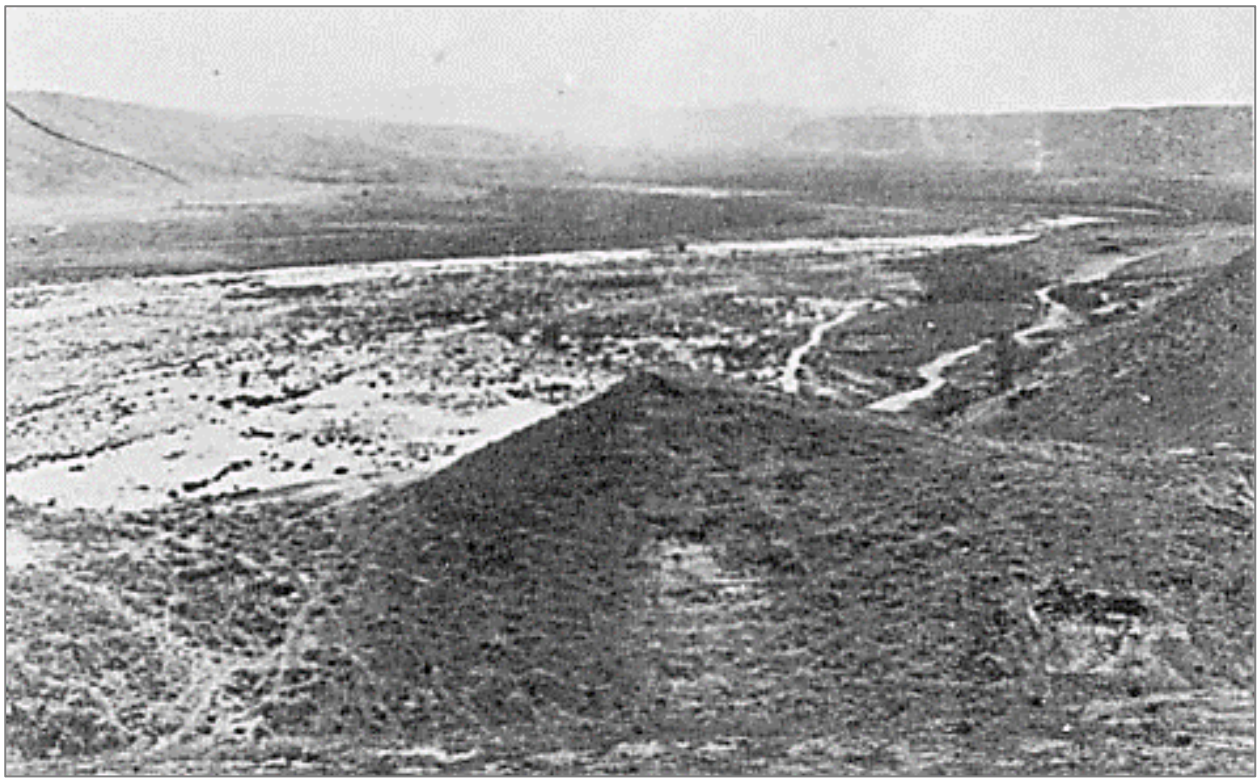


Figure 3-1: Mission Valley, dated 1847. Source: San Diego History Center.

Ill feelings soon developed between the native Kumeyaay and the soldiers, resulting in construction of a stockade. The original log and brush huts were gradually replaced with buildings made of adobe bricks. Pitched roofs with rounded roof tiles eventually replaced flat earthen roofs. Clay floors were eventually lined with fire brick.

Theme: Establishment of the Mission

The padres recommended that the Mission be moved further east in the valley. According to Father Serra's first report of the Mission, "It is determined to move the Mission within the same Canada of the port toward the northeast of the presidio, at a distance of a little less than two leagues. The place is much more suitable for a population, on account of the facility of obtaining necessary water, and

on account of the vicinity of good land for cultivation. The place is called Nipaguay."[4] The move was accomplished in August of 1774 and Mission Valley became its permanent location.[5]



Figure 3-2: Mission Valley looking northeast towards the Mission San Diego de Alcala, n.d. Source: Heritage Architecture & Planning Archives.

The first chapel at that location was built of willow poles, logs, and tule. After it was burnt down during the Kumeyaay uprising of November 5, 1775, the first adobe chapel was completed in October 1776 followed by construction of the present church in 1777. A succession of building programs through 1813 resulted in the final quadrangle where the church formed one side with housing and

[4] Fr. Zephyrin Engelhardt, *San Diego Mission* (San Francisco: James H. Barrey Company, 1920) p. 56. Letter from Fr. Serra; quoted in Papageorge, op. cit.
[5] Papageorge, op. cit.

classrooms forming the other three sides. The Mission grounds included a church, bell tower, sacristy, courtyard, residential complex, workshops, corrals, gardens, and cemetery. [6]

Life for the new settlers at the San Diego presidio was isolated and difficult. The arid desert climate and conflicts with Native American population made life difficult for the Spanish settlers. According to British Captain George Vancouver who visited in 1794, the military were supported by the fields and labors of the missionaries and the Native Americans.[7] They raised cattle and sheep, gathered fish and seafood, and did some subsistence farming along the San Diego River valley.[8]

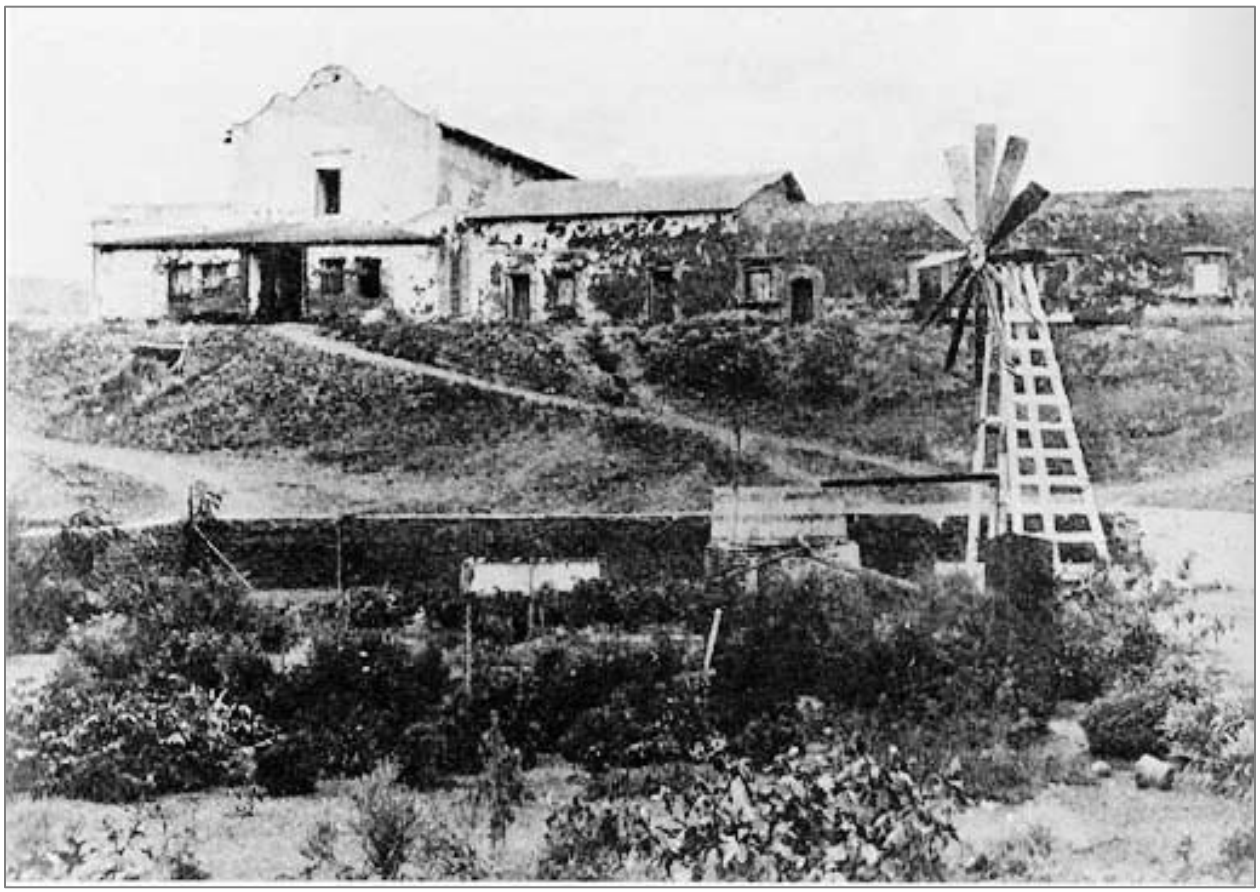


Figure 3-3: Mission San Diego de Alcala, dated 1874. Source: San Diego History Center.

A dam and aqueduct were started in 1807 using Native American labor. The River was dammed at the head of Mission Gorge and an aqueduct was run nearly six miles through a rugged canyon to the fields of the Mission. At the Mission, the water was stored in a small basin. Construction of the flume involved creation of an earthworks system sufficient to support the mission tiles and bricks used to

[6] Norman Neuerberg, "The Changing Face of Mission San Diego." *The Journal of San Diego History*, Vo. 32, No. 1, (Winter 1986). http://www.sandiegohistory.org/journal/86winter/mission.htm; accessed September 27, 2015.
[7] Papageorge, op. cit.
[8] Appendix E, HP-1 "San Diego History" in the *City of San Diego General Plan*. Adopted March 10, 2008.

line the canal.[9] With the advent of a more reliable water supply, Mission agriculture flourished. Vineyards, orchards and crops were successful, as were herds of cattle.[10]

In 1822, Mexico declared its independence from Spanish rule, and San Diego became part of the Mexican Republic. Mexican independence led to the final demise of California's mission system and in 1834, the Mexican government secularized the San Diego mission. The Act of Secularization and the Decree of Confiscation removed the administration of the mission from the Franciscans to the Mexican administrators.

The Mexican government opened California to foreign trade bringing manufactured goods from Europe in exchange for California's cattle hides. As the hide trade grew so did the need for additional grazing lands. Privatized land grants were issued establishing the rancho system of large agricultural estates.

Native Mexican Franciscan Francisco Garcia Diego y Moreno became the first Bishop of the California occupying the Mission until 1842 but only a few of the main buildings were habitable. In 1846, Governor Pio Pico sold the lands of Mission San Diego de Alcalá to prominent Californio Santiago Arguello, a former commandante of the Presidio from 1830-1835.[11] The land grant known as the Rancho Ex-Mission San Diego was approximately 58,875 acres. Arguello never lived on the former mission lands; but made his home at Rancho Tia Juana. In 1848, California was ceded by Mexico to the United States under the Treaty of Guadalupe Hidalgo.

During this period, definite paths developed between the Mission and the Presidio, and essentially the present network of roads in Mission Valley was created.[12] The La Playa Trail is known as the earliest European trail in the western United States, although the Kumeyaay have traversed this roadway prior to 1769. The Trail stretches from the harbor entrance at Point Loma to the Mission San Diego de Alcala in Mission Valley, and beyond.[13]

Portions of the La Playa Trail run through Mission Valley and is the main link between the Mission and La Playa, in present day Point Loma. In the 1930s, the San Diego Historical Society developed a program of marking the 12-mile trail. A marker is located at the Mission site.

In the valley, the path along the northern side of the River became known as Friars Road in remembrance of the Mission's priests. The path on the southern side was referred to as Mission Road.

[9] City of San Diego and Merkel & Associates, "Draft Final San Diego River Natural Resource Management Plan." May 2006.
[10] Papageorge, op. cit.
[11] "History." www.missionsandiego.org; accessed January 6, 2016.
[12] Virgil Raymon Henson, "Mission Valley, San Diego County, California: A Study in Changing Land-Use from 1769-1960." Thesis, University of California, Los Angeles. September 1960. p. 49.
[13] "La Playa Trail." www.laplayatrail.org Accessed September 4, 2016.

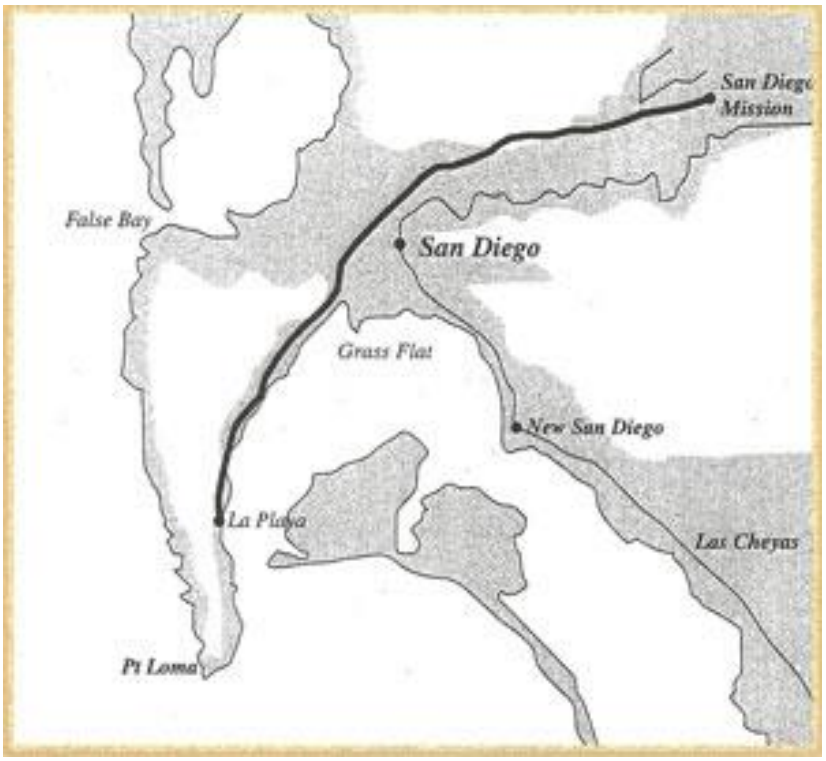


Figure 3-4: La Playa Trail. www.laplayatrail.org.

Associated Property Types

Property types comprise of individual resources including religious buildings (Mission/Church), cemeteries, and sites. The property types within this context are significant in the areas of exploration/settlement, social history, and ethnic history for their association with important events families, and/or persons dating from the Spanish and Mexican era settlement.

Character-Defining Features:

- Adobe construction
- Arcade
- Curved, pedimented gables
- Terraced bell towers
- Wide, projecting eaves
- Unadorned wall surfaces
- Tile roofs

The property types associated with the Spanish and Mexican period have been listed and include historic sites and reconstructed buildings including the Mission San Diego de Alcalá (HRB#113; NR 1970-04-15). The Mission San Diego de Alcalá is known as the Mother of the Missions as it was the first of 21 Spanish missions established, in part, by Father Junipero Serra. The mission was founded in 1769. The present church is the fifth in the history of the mission, four of which were on the mission's present site. The fourth and final reconstruction of the Mission Church took place in the

1930s and is built of reinforced concrete. The decorative and adobe tiles within the Church are reproductions of the originals, hand hewn timbers and lintels make up the roof, and wrought iron hardware is of the style of the Mission era. The Mission is located at 10818 San Diego Mission Road.

AMERICAN PERIOD (1848-1975)

At the conclusion of the Mexican-American War, California was ceded by Mexico to the United States under the Treaty of Guadalupe Hidalgo in 1848. The transfer of control of California from Mexico to the United States would represent a significant turning point in the development of San Diego. Prosperity for the city would be elusive for many years as American interests after 1850 were focused on the gold fields of the Sierra Nevada as well as opportunities in San Francisco and Los Angeles.

By 1850, San Diego began to develop under land speculators like William Heath Davis and Alonzo Horton. Davis, along with Andrew Gray and several investors, began purchasing 160 acres and laid out a subdivision named New San Diego. Davis, the wealthier of the partners, paid for the construction of the wharf and imported prefabricated houses to stimulate sales. The enterprise, however, failed and within years New San Diego became known as "Davis' Folly."[14] In 1867, growth of San Diego became realized with the arrival of Alonzo Horton who acquired 800 acres in present-day downtown. Horton had a subdivision map drawn, went back to San Francisco, opened a real estate office, and began to sell land. By 1870, 2,300 people lived in New Town San Diego.[15] The city would continue to grow as the promise of the railroad made commercial and economic success viable. The city underwent a "boom and bust" cycle in the 1880s but recovered and continued to grow into one of the largest cities in the United States. As the expansion of New Town and its surrounding communities gained momentum, Mission Valley, remained predominately rural.

In his survey of the San Diego River in 1853, Lt. George H. Derby records the area as Mission Valley due to the proximity of the Mission San Diego de Alcalá.[16] By 1870, Mission Valley becomes the adopted name.[17]

[14] Clare B. Crane, ""The Pueblo Lands: San Diego's Hispanic Heritage." *The Journal of San Diego History*, Vol. 27 No. 2 (Spring 1991). http://www.sandiegohistory.org/journal/91spring/pueblo.htm; accessed October 28, 2015.
[15] Ibid.
[16] George H. Derby, "Survey of San Diego River and Its Vicinity." 1853.
[17] A.D. Bache, "San Diego Bay California from a Trigonometrical Survey under the direction of A.D. Bache Superintendent of the Survey of the Coast of the United States." 1859 www.raremaps.com Accessed September 15, 2016.



Figure 3-5: Partition of Rancho Mission San Diego, dated 1886. Source: www.raremaps.com

Due to earlier political separation of Mission Valley between the presidio and the mission, individual land patents were necessary for the city and county portions. The eastern portion of Mission Valley was included in the land patent for Ex-Mission lands belonging to the county and were divided into irregular lots. The western portion of Mission Valley was covered in the land patent for the Pueblo Lands of the city of San Diego and were divided in quadrangles. The border appears to be where the I-805 currently runs through the valley but has since disappeared as a result of later development.

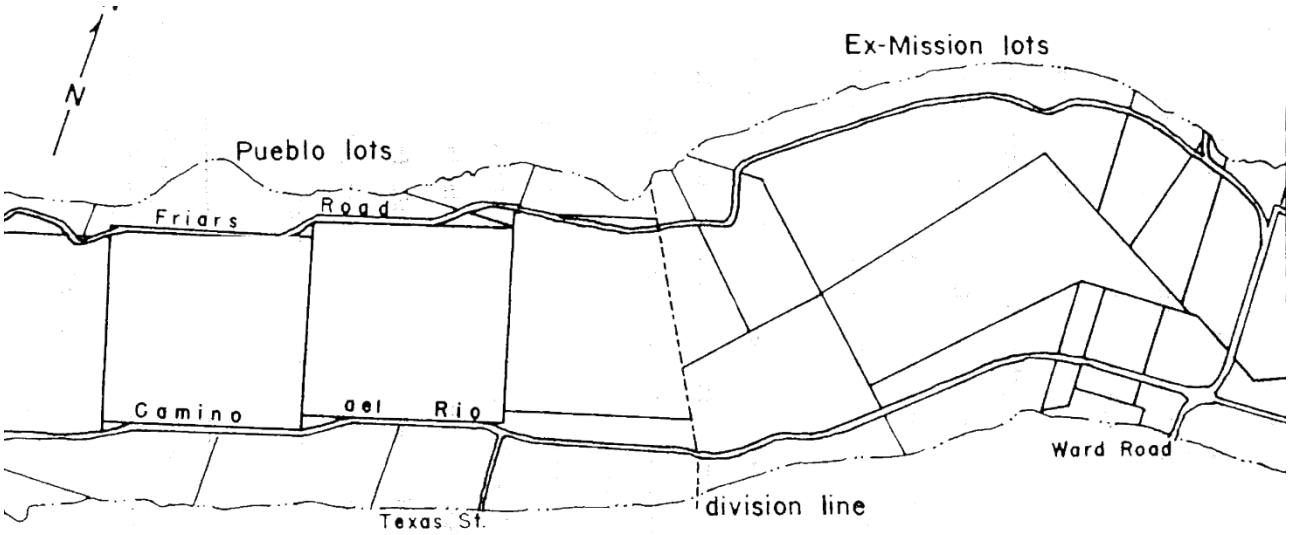


Figure 3-6: Detail of the division line between the Pueblo lots and Ex-Mission lots. Source: Virgil Raymon Henson,"Mission Valley, San Diego County, California: A Study in Changing Land-Use from 1769-1960."

Following the Treaty of Guadalupe Hildalgo, the United States military set up post in the abandoned Mission San Diego de Alcalá from 1846-1862. The army divided the church into two stories, using the top for dormitories and the bottom as stables. After the military left, the church fell into ruins and the mission was returned to the church and utilized as a school from 1887-1907.[18] In 1891, Father Ubach began the efforts to restore the Mission.

Theme: Development of Natural Resources (1850-1968)

Other parts of the San Diego River valley began to draw homesteaders with interest in dry farming which utilized specific cultivation techniques for lands associated with drylands, that is, areas characterized by a cool wet season followed by a warm dry season. Dry farm crops in the valley included oats, barley, and alfalfa. During the next few years as the ranchers continued to work and cultivate their land, many began to sell their surplus crops, operating as local truck gardens which raise and sell fresh produce at local markets. The farm lands were intensively cultivated, producing tons of vegetables each year. The farmers added poultry, orchards, and vines to the list of products produced in the valley. City/County Directories dating to 1887-1888 reveal the following Mission Valley ranchers: Serano D. Allen, H.J. Cleveland, C.B. Baskill, J. Hornback, John Varney, and George Vasey. Most were located at the south side of the River, but there were a few that were located at the northern

[18] Martha Schimitschek. "Travel: Start at the Beginning—Mission San Diego." *San Diego Union-Tribune.* March 6, 2011. Accessed September 15, 2016.

portion. Sandrock Grade, known as Texas Street today, was one of the few roads that crossed the San Diego River. Grocer C.W. Sandrock operated his store at the foot of Sandrock Grade.[19]



Figure 3-7: Mission Valley, 1890. Source: San Diego History Center

As little money could be made in truck farming, soon dairies became a part of Mission Valley's landscape. The valley provided the large, flat areas needed for dairy operations. In addition, the cost for land in the valley was cheap, as most people feared the floods from the San Diego River.[20] An 1893 *Union* advertisement offered 400 acres of level land in Mission Valley for $60 an acre.[21]

The first commercially successfully dairy farm was the Allen Dairy owned by Sereno Allen from Kansas. The Dairy initially delivered milk door-to-door on horseback as early as the 1880s.[22] By the 1920s and 1930s, the Allens sent their milk trucks up to Mission Hills and Hillcrest via the steep canyon path near their dairy known as "Allen Road" or "Allen's Dairy Road" up towards Fort Stockton Drive. Portions of this road still exist as Allen Road Trail. The dairy prospered under sons Fred and Harvey, who also owned two ranches in the valley and kept a retail shop in Hillcrest.[23] The Allen Dairy operated in Mission Valley until 1957 when it relocated to El Cajon.

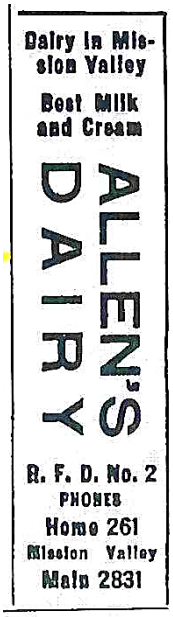


Figure 3-8: City/ County Directory advertisement.

[19] Papageorge, op. cit. Also see 1893-1894 San Diego City/County Directory.
[20] Richard Crawford, "Before Malls, Cows Ruled Mission Valley." *The San Diego Union-Tribune.* May 31, 2008
[21] Linda Freischlag, ed. "The Role of the San Diego River in the Development of Mission Valley." *The Journal of San Diego History.* Spring 1971, Volume 17, Number 2.
[22] Crawford, op. cit.
[23] Margot Sheehan, "Lost Roads of San Diego." *San Diego Reader.* November 5, 1992



Figure 3-9: 1963 Texaco Map noting Allen Road. Source: "Lost Roads of San Diego," San Diego Reader. *November 5, 1992.*

The Ferraris established a dairy farm in Mission Valley with operations dating from 1914-1968. Louis Ferrari, an immigrant from Genoa, Italy initially purchased 60 acres of land in 1896 and began truck farming. While many of his neighboring ranchers turned to dairy farming, Ferrari eventually followed suit and turned to dairy farming. He initially started with 30 cows, his first barn, and several horse stables.[24] Ferrari later joined the Challenge Cream and Butter Association, which established a cooperative located at the southeast corner of the valley and eventually became a major retailer of dairy products. Ferrari's son, Pete Ferrari, later took over and expanded the business and by World War II, it became the biggest dairy in San Diego producing 600 gallons a day.[25] By the 1950s, Mission Valley had 20 dairy farms that dotted the landscape.[26]

[24] "'They Offer Me Big Money for This Land, But I Like it Here.'" *Los Angeles Times*. July 14, 1985.
[25] Ibid.
[26] Nan Taylor Papageorge, "The Role of the San Diego River in the Development of Mission Valley." *The Journal of San Diego History*, Vol. 17, No. 2, (Spring 1971). http://sandiegohistory.org/journal/71spring/river.htm; accessed August 31, 2015. Also refer to, Henson, op cit. p. 34.

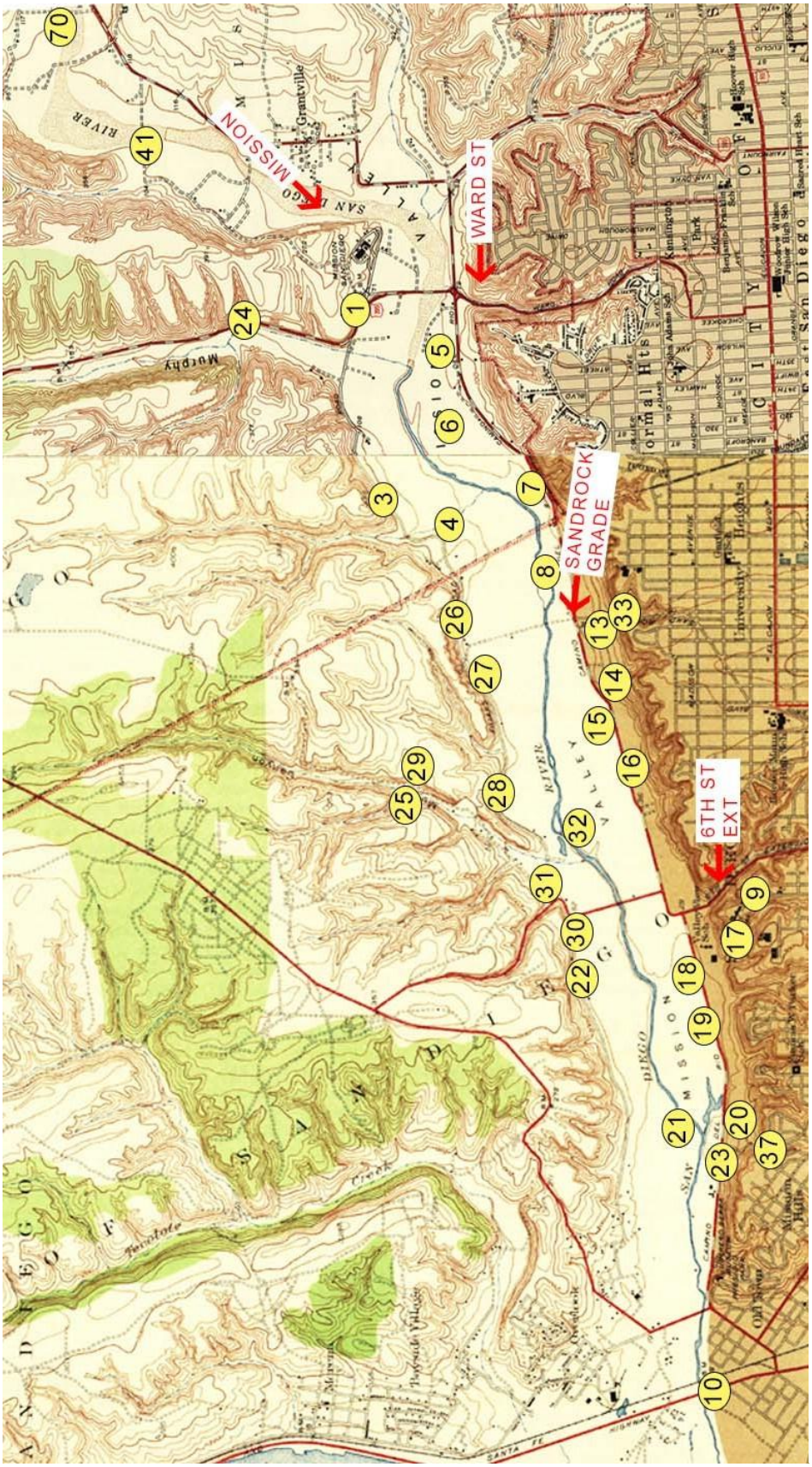


Figure 3-10: Based on the Mission Valley map featured in an interview with Fritz Ohre, dairy owner, in 2002. The map notes location of various Mission Valley dairies. Source: San Diego Reader.

List of Mission Valley Dairies

As identified by Fritz Ohre (2002) and noted in the following map (Figure 3-10)

1. Guglielmettis
2. Jepson (west of Clark at the foot of the hill)
3. Jepson
4. Ohre
5. Gibson (south of Guglielmetti)
6. McDermot (between Ferrari & Gibson)
7. Ferrari
8. Ricard
9. Clark (with pumping station)
10. Railroad track
11. Reland (west of Jepson; 2 story house)
12. Officer (south side of the road; 2 story house w/ dirt floors)
13. Sandrock Grade
14. Scott
15. Ross Bond
16. Reed (right side of Camino del Rio)
17. McCready (Mountain Meadow Dairy at the old 6th St. Extension; Replaced Poor Farm/County Hospital)
18. Mills (grew alfalfa)
19. Henry Gray
20. Allen Dairy (south side of the I-8)
21. Adolph Levi / Levi-Cushman (north and west of Bernard, possibly down to Morena bridge)
22. Ruben (Highland Ranch)
23. Bernard Nursery
24. Harvey Allen Dairy (Murphy Canyon)
25. Ernie Allen (in Murray Canyon)
26. Hong Far gardens later Tom Choy
27. Chinese vegetable garden
28. Baughman dairy (Indian Canyon)
29. Russell Grant Family
30. Cliff
31. Hazard block plant
32. Pumping station
33. Sandrock Store
34. Isolation Hospital
35. Stairway down to Isolation Hospital (later moved to Gaines Street)
36.
37.
38. Hilkowitz
39. Jaussauds
40. Teisseire
41. Barry Jakes
76. Summers

Aiding in the maintaining the rural landscape were sand and gravel plants littered throughout the valley. The sand and gravel industry in Mission Valley began modestly in 1913 and expanded in earnest in the 1920s-1930s. Sand and gravel operations and related activities once occupied about 596 acres within the valley. Primary sources were sands along the San Diego River and Murphy Canyon area, and the conglomerate rocks in adjacent Serra Mesa. These plants were essential to fostering materials utilized for construction and development of many of local neighborhoods throughout the city. Furthermore, although extraction of materials from the valley was not a recent practice, the development of the sand and gravel plants into large businesses during this period was influential. Some of these companies later diversified and included the V.R. Dennis Construction Company, Ed Denton's American Sand Plant, H.G. Fenton, Nelson and Sloane, Griffith Company, Caudell and Johnson, Woodward Sand Company, Daley Corporation, and R.E. Hazard Company. Many of these companies were highly influential in the development and construction of local buildings and infrastructure throughout the city with many of their names memorialized and stamped along city sidewalks.



Figure 3-11: Gravel pit in Mission Valley, ca. 1940s. Source: San Diego History Center.

Circulation networks during this period were generally dirt, gravel, or paved roads connecting the ranches to the primary roads. Improvements to the community's transportation network were undertaken beginning in the 1930s. Unlike the subdivisions of the communities located along the mesas, Mission Valley maintained much of their dirt roads which were often muddy and impassable during rainy seasons.

Early access roads to and from the valley to the upper mesas correspond to present-day roadways such as Ward Road at the east, which also provided a direct link to the Mission; Sandrock Grade (now Texas Street); and the 6th Street Extension also referred to as Mission Grade/Poor Farm Grade, now Hwy 163.

Along with these roads were private roads which included Allens Road, located a quarter mile east of the Presidio, which directly connected Allen's Dairy to Fort Stockton in Mission Hills. Today, only the south portion of the complete pathway has been paved. Bachman Place (sometimes referred to as Homeland Place) provided a route from the Valley to the County Hospital, just west of the 6th Street Extension (Highway 163). It is now a private road for UCSD Medical Center and connects to Hotel Circle South on the north end.

Early maps record west-to-east roads running parallel on both the north and south side of the San Diego River. The northern road was always referred to as Friars Road and the south side was initially known as Mission Road, but was later renamed Camino del Rio.[27] By the early 1930s, Camino del Rio's dirt road was replaced with a two-lane paved road by the San Diego County Highway Development Association and was constructed by the Work Projects Administration.[28] "Paving was of immeasurable value to farmers and dairymen, and would have probably served rural valley for years, but the roads also opened the valley to those who wished to reside there and commute to work in the urban portions of San Diego. The result was that the valley was made ready for the first serious encroachments of urbanism, non-farm residences."[29]



Figure 3-12: Camino del Rio South, ca. 1940. Source: San Diego History Center.

[27] Refer to the 1926 Rodney Stokes roadmap and the 1935 Lowell E. Jones roadmap.
[28] Virgil Raymon Henson, "Mission Valley, San Diego County, California: A Study in Changing Land-Use from 1769-1960." Thesis, University of California, Los Angeles. September 1960.
[29] Virgil Raymon Henson, "Mission Valley, San Diego County, California: A Study in Changing Land-Use from 1769-1960." Thesis, University of California, Los Angeles. September 1960.

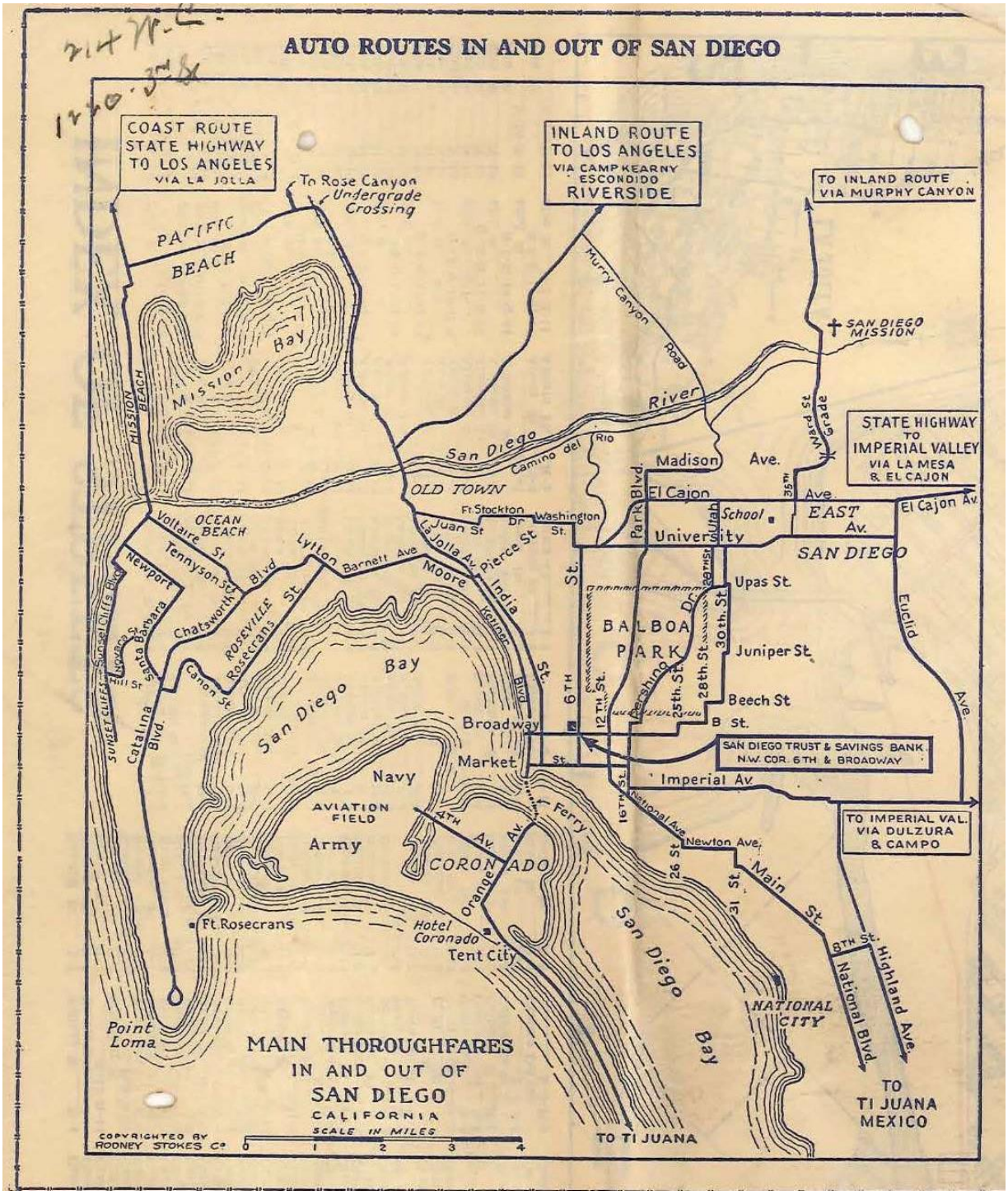


Figure 3-13: A portion of the 1926 Rodney Stokes map showing the early automobile routes to and from Mission Valley.

Associated Property Types

Ranches dominated the landscape during this period of development. Ranch sites encompassed a cluster of buildings generally containing a primary residence, typically of a simple, vernacular style; barns for livestock and equipment; stables; outbuildings reflecting the property's use; and housing for workers. Other buildings, structure, or objects designed for various functions associated with the property include cisterns, windmills, privies, and corrals for dairy cows or other animals.

Due to later development, most of these properties did not survive. The few buildings that may have survived, are primarily vernacular ranch houses, one- to two-story in height with wood siding, gabled roofs, and wood windows. In rare occasions, other related ranch buildings may still be extant. Properties are located on both Camino del Rio North and Camino del Rio South.

Character-Defining Features:

- Domestic buildings include vernacular primary residences, usually wood-framed and two-stories.
- Barns for housing and feeding livestock or storing equipment generally dominate the cluster in size and scale.
- Small-scale elements may include signs announcing the ranch's name, water and feeding troughs, corrals, windmills, and cattle guards.



Figure 3-14: Fagerheim Dairy, 1927. The ranch included a residence that was set back from Friars Road and four barns in front. Source: "Life Along the San Diego River." The Reader*, July 25, 2002.*

Eligibility Criteria and Integrity Thresholds

Significance Evaluation
The ranch site and its associated buildings, represents a critical component of the agricultural history of Mission Valley. Ranches may be individually significant under the NRHP Criterion A/CRHR Criterion 1 if they are associated with events that contributed to the broad patterns of local history, particularly in regard to the agricultural and dairy industry and development; or under HRB Criterion A if they represent special elements of the City's or Mission Valley's historical development.

Associated ranch sites and their resources may be individually significant under NRHP Criterion B/CRHR Criterion 2 or HRB Criterion B if the property was association with persons or a family significant in local history or have made a significant contribution to the dairy industry.

Eligibility under NRHP Criterion C/CRHR Criterion 3 if they embody the distinctive characteristics of a style, type, period, or method of construction; and/or HRB Criterion C as a resource that embodies the distinctive characteristics of a style, type, period, or method of construction. Because many of the buildings associated with the ranch's form and function are synonymous to their use, buildings may exhibit only a few character-defining features.

Significance under other criteria may be identified following future site-specific survey and evaluation.

Essential Factors of Integrity
Due to their relative rarity, extant ranch-related buildings may not retain their historic setting and still be eligible, particularly under local criteria. A property significant under NRHP Criterion A, CRHR Criterion 1, and HRB Criterion A may possess location, feeling, and association. Under NRHB Criterion B, CRHR Criterion 2, and HRB Criterion B, location, feeling, and association must also be present. For NRHP Criterion C, CRHR Criterion 3, and HRB Criterion C, design, materials, and feeling should be retained. In all cases, the building's original use may have changed.

Agriculture and Dairy Industry Properties Study List

STREET NUMBER	STREET NAME	NOTES
2495	Hotel Circle Place	U-Haul building
3154	Camino del Rio South	Ferrari Residence

Theme: Modern Commercialization, Tourism, and Commercialization of the Valley (1940-1970)

Mission Valley's character as it exists today, began to take shape during the Post-WWII era. Prior to World War II, commercial development around Mission Valley was random and sparse and mostly serviced the local farmers. Open areas around the major principle traffic arteries attracted early businesses, which were initially mostly recreational related. Resistence to development began as early as 1940 with the birth of the Mission Valley Improvement Association which hoped to prevent the area from development. However, with the ease of access in and out of the Valley by expansion of

the freeway system, developers began to scout undeveloped areas along the principal traffic arteries, namely Camino del Rio, Hotel Circle, and Friars Road.

A second wave of roadway and freeway expansions during this period facilitated commercial development along the valley which catered to both locals and tourists alike. It was these transportation networks through the valley connecting downtown and the suburbs with new Post-World War II auto-oriented suburbia, that helped set the stage for the development of Mission Valley as a commercial and recreational destination.

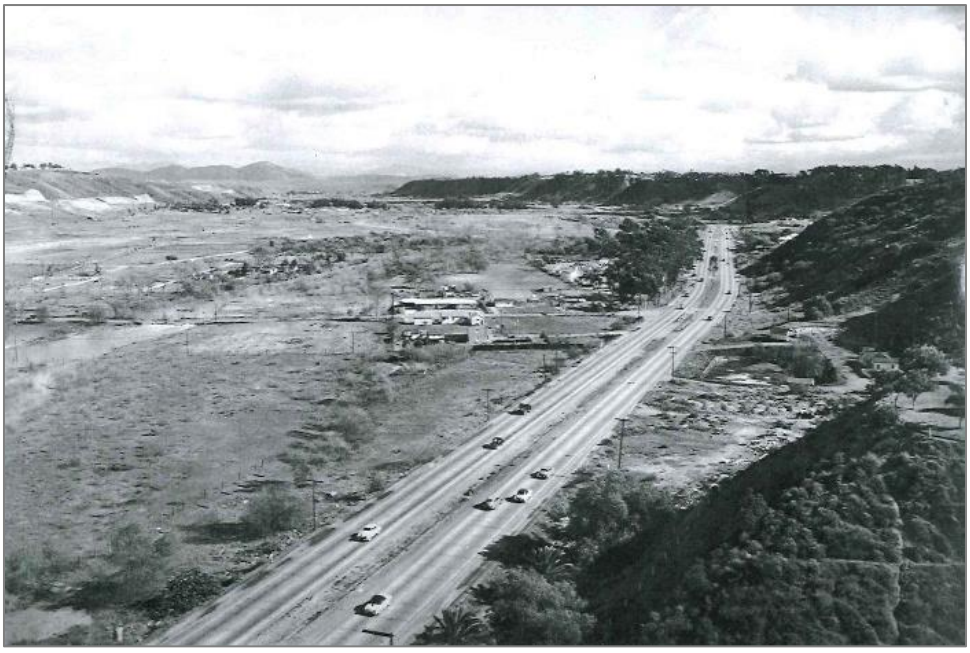


Figure 3-15: Mission Valley looking east, dated 1951. Source: San Diego History Center.

The increase in population brought on by World War II in the surrounding communities of La Mesa and El Cajon to the east and the development of Linda Vista and Kearney Mesa to the north created a need for additional east-west and north-south access routes through the city. This included the conversion of the 6th Street Extension into the Cabrillo Freeway (US Route 395, now SR-163) from 1946-1948. The two-lane Camino del Rio could no longer meet the high commute demand and eventually the Mission Valley Freeway (US 80, now I-8) was constructed and then expanded to include four lanes by 1953. Two years later, these routes were converted to full freeways with eight lanes resulting in large sections of Mission Valley land changed from farm use to transportation use. By 1960, over 350 acres had been switched to transportation. Over 50,000 vehicles a day passed through the Valley on these new highways and the traffic would grow continuously in the coming decades.

Planning for an inland north-south freeway mirrored the valley's development. In 1967, construction of the Interstate 805 began. It would cross both the I-8 and the San Diego River and would bisect Mission Valley at the center. The I-805 was a late addition to the freeway system in San Diego and was completed in 1971. The 3,900-foot Mission Valley Viaduct, the top stack of which was later named the Jack Schrade Interchange, a four-level symmetrically stacked interchange that allowed a smooth flow of traffic between the I-805 and I-8 freeways, was at one time the longest concrete box girder bridge in the world.

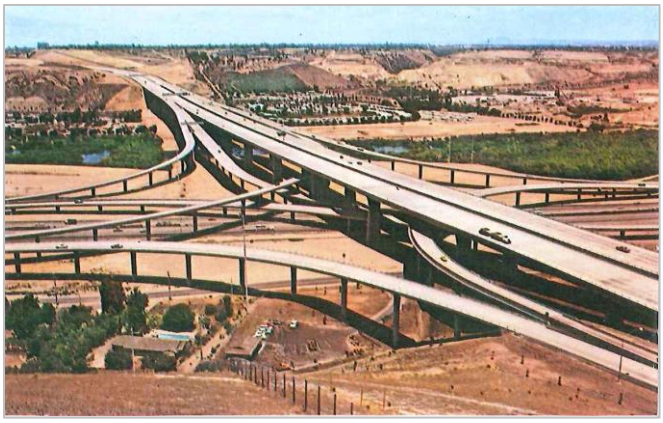


Figure 3-16: I-805 completed in 1971. Source: Heritage Architecture & Planning Archives.

The ease of access brought on by the freeways facilitated the growth and development of destinations for retirement- and tourist-related entertainment and recreation. It was to be an extension of Mission Bay, complete with golf courses, resort hotels, and open space.[30] Mission Valley's location for this type of land use was also key due to its close proximity to other major city tourist attractions and was incorporated into a "Tourist Loop" along with Balboa Park, Shelter Island, and Mission Bay that was envisioned by City Planners. [31]

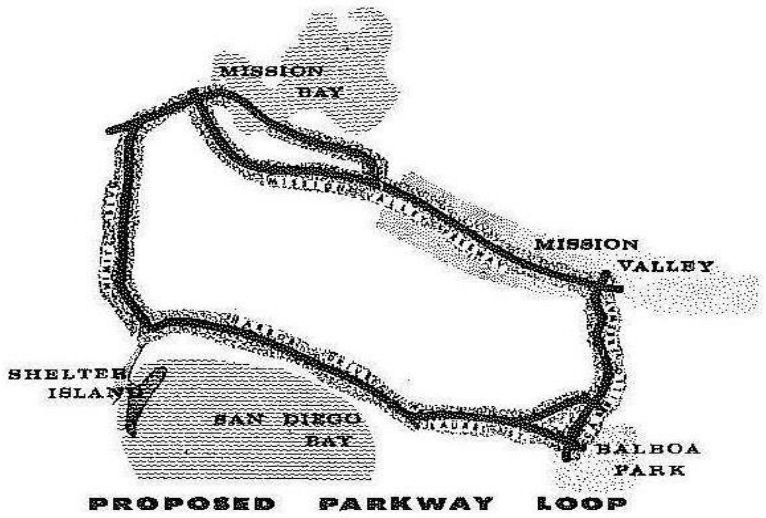


Figure 3-17: "Tourist Loop" as envisioned by City Planners, in their 1960 land use study.

[30] Clare B. Crane, Ph.D. "Citizens and Coordinate and the Battle for City Planning in San Diego." *The Journal of San Diego History.* Vol 57 No. 3, Summer 2011. Also, City of San Diego Planning Department, "Mission Valley Plan: A Land Use Study." November 1960.
[31] City of San Diego Planning Department, "Mission Valley Plan: A Land Use Study." November 1960.

The presence of the freeway contributed to the substantial numbers of commercial establishments in direct response to traffic along the route and along major roads such as Camino del Rio and Hotel Circle. These sites utilized Modernist architectural styles such as Ranch, Contemporary, Tiki-Polynesian, Futurist/Googie, and Brutalist in their design.[32] Developers such as Charles H. Brown and William Sample, Jr. of Atlas Hotel, Inc. and A.A. Stadmiller, Paul Borgerding, and Harry Handlery hired modernist architects and designers for their projects including Ronald K. Davis; Deems Lewis Martin & Associates; Frank L. Hope & Associates; John R. Mock; Richard Wheeler; Perkins, Will, Inwood; Leonard Veitzer; William Pereira; and Hal Sadler of Tucker, Sadler & Bennett.[33]

TABLE 3-1: MISSION VALLEY ARCHITECTS[34]

ARCHITECT/FIRM	STREET NUMBER	STREET NAME	PROPERTY NAME	CONSTR DATE	NOTES
CJ PADEREWSKI	1895	CAMINO DEL RIO SOUTH	BOWLERO (SCOTTISH RITE TEMPLE)		
CJ PADEREWSKI	950	HOTEL CIRCLE	STARDUST MOTOR HOTEL		
DEEMS & LEWIS	3255	CAMINO DEL RIO SOUTH	INDUSTRIAL INDEMNITY CO.	1970-1974	
DEEMS & LEWIS		CAMINO DEL RIO NORTH	MISSION VALLEY CENTER	1960	
FRANK HOPE / JOHN R. MOCK			VALLEY HO RESTAURANT		DEMOLISHED
FRANK L. HOPE & ASSOC	350	CAMINO DE LA REINA	UNION TRIBUNE BUILDING	1974	
FRANK L. HOPE & ASSOC	875	HOTEL CIRCLE SOUTH	MISSION VALLEY INN	1958	DEMOLISHED
FRANK L. HOPE & ASSOC	1640	CAMINO DEL RIO NORTH	MAY COMPANY, MISSION VALLEY CENTER		
GARY ALLEN / FRANK L. HOPE & ASSOC	9449	FRIARS ROAD	SAN DIEGO STADIUM	1967	

[32] City of San Diego, "San Diego Modernism Historic Context Statement." October 17, 2007.
[33] www.modernsandiego.com Accessed October 10, 2018.
[34] www.modernsandiego.com Accessed December 3, 2018.

ARCHITECT/FIRM	STREET NUMBER	STREET NAME	PROPERTY NAME	CONSTR DATE	NOTES
JONES & EMMONS, FRANK L. HOPE & ASSOC, A QUINCY JONES		CAMINO DEL RIO NORTH	MISSION VALLEY WEST		
KENDRICK BANGS KELLOGG			HYPNOS MORPHEUS OFFICE INTERIORS	1979	
LEONARD VEITZER		CAMINO DEL RIO SOUTH	MISSION SQUARE OFFICE BUILDING	1961	
PERKINS, WILL, INWOOD	2111	CAMINO DEL RIO SOUTH	FIRST UNITED METHODIST	1964	
RICHARD GEORGE WHEELER	875	HOTEL CIRCLE SOUTH	MISSION VALLEY LODGE	1959	DEMOLISHED
RICHARD GEORGE WHEELER	404	CAMINO DEL RIO SOUTH	ASSOCIATED GENERAL CONTRACTORS	1960	
ROBERT E. DES LAURIERS	8404	PHYLLIS PLACE	CITY VIEW CHURCH		
TUCKER SADLER	6855	FRIARS ROAD	APARTMENTS	ca. 1966	
WILLIAM F. CODY, FAIA			MISSION VALLEY COUNTRY CLUB	1955	
WILLIAM F. CODY, FAIA			STARDUST HOTEL		DEMOLISHED
WILLIAM KRISEL			CIRCLE 8 1/2 MOTEL	1962	

Sub-Theme: Sports, Recreation, & Leisure

In the 1940s, the rural environment of the valley attracted recreation and leisure activities such as horse farms, riding stables, and polo clubs. At that time, Mission Valley was advertised as a horse's paradise containing twenty miles of bridle trails.[35] In 1947, the Mission Valley Golf Club was established along the agricultural greenbelt of the San Diego River. Its popularity and challenging layout made it one of the best golf courses nationwide. It later attracted the professional golf tour in 1957 when it hosted the San Diego Open Invitational, in which Arnold Palmer won that same year. The club was renamed Stardust Country Club in 1962.

Commercial-recreational facilities were also encouraged. Bowling was a very popular sport and recreational activity during the 1950s. As a result, the Bowlero Bowling Alley opened in 1957 along Camino del Rio South. At the time of its construction it was the largest bowling center in the west and included 56-lanes and a lounge. By 1965, the bowling alley closed, and new ownership and occupancy was assumed by the Scottish Rite Valley of San Diego.



Figure 3-18: Bowlero, early 1960s. Source: www.pillartopost.org

[35] Ibid.

Businessman C. Arnholt Smith, owner of Westgate-California Tuna Packing Co., had acquired the Pacific Coast League (PCL) Padres and immediately began to make plans to develop a new, modern stadium for the minor league team in 1955. He set his eyes on the undeveloped Mission Valley. After approval by the City Council in 1956, an aggressive construction schedule began, which included the surfacing of Friars Road. Westgate Park was opened to the public on April 28, 1958.



Figure 3-19: Westgate Park, ca. 1958. Source: San Diego History Center.

That same time in 1958, the Los Angeles-based football team, the Chargers, expressed interest in moving their team to San Diego with hopes of a new, larger municipal stadium in Mission Valley.[36] They temporarily moved into the 1914 Balboa Stadium in Balboa Park and played their first game on August 6, 1961. In order to retain the national league football team, the City would have to provide a large facility. In November 1965, a $27 million bond was passed, allowing construction to begin on a new multi-purpose stadium. The stadium's location would be in "fast-growing Mission Valley."[37] "The…stadium is '20 minutes away from 90 percent of the population of San Diego County, making it the most accessible stadium anywhere."[38]

The construction of the San Diego Stadium (now SDCCU Stadium) from 1966-1967 by architect Frank L. Hope's office, took more of the valley land away for large parking lots and stadium grounds.[39] However, at its completion, the Stadium's design would mark the first ballpark to receive the distinguished National AIA Design Award and its televised exposure would aid in bringing national attention to the area. Westgate Park was demolished in 1967 to make room for Fashion

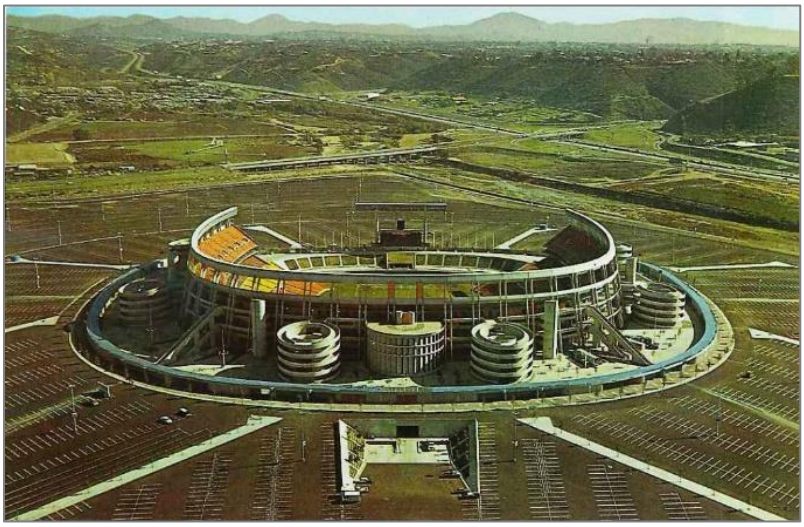


Figure 3-20: Aerial postcard of the San Diego Stadium (SDCCU), looking east, ca. 1967. Source: Heritage Architecture & Planning Archives.

[36] City of San Diego, "San Diego Modernism Historic Context Statement." October 17, 2007.
[37] *The San Diego Stadium Story*. (San Diego: CA: Hall & Ojena Publication Division, 1967), p. 15
[38] "Can't Beat Stadium, S.D. Architect Beams." *The San Diego Union*. July 11, 1967.
[39] K.A. Crawford, "Macy's, 1702 Camino Del Rio North, San Diego, CA 92108 Draft HRRR." June 2014. The stadium incumbered various names such as the Jack Murphy Stadium and Qualcomm Stadium.

Valley Shopping Center following the Padres' relocation to the new joint use stadium.[40]

The San Diego Stadium's multi-purpose design concept departed from the "cookie-cutter" circular plan that was being used at the time. For many of the newer multi-purpose stadia, the "cookie-cutter" circular plan offered poor sight line angles for spectators at baseball and football games. Instead, the horseshoe shape, originally termed as "supercircle" by the architectural team, would incorporate eight radiuses. The "supercircle" was developed as a result of the architectural team's studies conducted nationwide on six of the most current stadiums built.[41] San Diego Stadium's design would allow spectators of both football and baseball to have an unobstructed sight line to the entire playing field, and to provide a greater quality of choice seats between extensions of the goal lines and first and third base lines.[42] It was a unique design shape of its time and influenced other similar designs such as the 1971 Veterans Stadium in Philadelphia, no longer extant. As part of the original design, the horseshoe shape would also "allow expansion to a total of 70,000 by extending the structure to completely enclose the field."[43] The Stadium development solidified Mission Valley as a regional sports and recreation-destination by establishing two professional sports teams that drew thousands of sports enthusiasts year around.

Associated Property Types

Sports, recreation, and leisure properties in the planning area includes stadiums, bowling alleys, and golf courses.

Character-Defining Features:

- Incorporates Modern architectural styles.
- Buildings were set-back from the public right of way.
- Incorporates ample surface parking with spaces adjacent to and surrounding the facilities.
- Large stadium seating capacities.
- Visitor amenities such as restaurants, lounges, snack bars, and small retail shops were located within the facilities.

Eligibility Criteria and Integrity Thresholds

Significance Evaluation

Sports, recreation, and leisure buildings may be individually significant under the NRHP Criterion A/CRHR Criterion 1 if they are associated with events that contributed to the broad patterns of local history, particularly in regard to commercial history and development; or under HRB Criterion A if

[40] Richard Crawford, "Westgate Park a Major Marvel as Home for Minor-League Padres." *The San Diego Union-Tribune.* April 9, 2009. http://www.sandiegouniontribune.com/news/2009/apr/09/1cz9history191218-westgate-park-major-marvel-home. Accessed July 7, 2015. Westgate Park was demolished in in 1967 when plans were made for a new shopping center, Fashion Valley, on site.

[41] The multi-purpose stadiums built in the 1960s include RFK Stadium (1961), Shea Stadium (1964-2009), Astrodome (1965, 2013 partial demolition), Atlanta-Fulton Co. Stadium (1965-1997), Oakland Coliseum (1966), Busch Stadium (1967-2005), and San Diego Stadium (1967).

[42] Frank L. Hope & Associates Architects and Engineers, "San Diego All-American Stadium Phase 2 Report." Prepared for the City of San Diego. May 25, 1965.

[43] Ibid. "Stadium 95% Complete; Solve Scoreboard Problem: Board Reviews Progress." *The San Diego Union.* July 11, 1967.

they represent special elements of the City's or Mission Valley's historical and commercial development.

Eligibility under NRHP Criterion C/CRHR Criterion 3 if they embody the distinctive characteristics of a style, type, period, or method of construction; and/or HRB Criterion C as a resource that embodies the distinctive characteristics of a style, type, period, or method of construction. Candidates for individual listing should be a highly representative example of a significant type or style and/or contain high artistic value.

Significance under other criteria may be identified following future site-specific survey and evaluation.

Essential Factors of Integrity
A property significant under NRHP Criterion A, CRHR Criterion 1, and HRB Criterion A may possess location, setting, feeling, and association.

For NRHP Criterion C, CRHR Criterion 3, and HRB Criterion C, design, materials, and workmanship aspects of integrity are especially important and must be intact for a resource to be eligible. Resources evaluated under Criterion C should also retain most of the character-defining features of their construction types, as well as retain the primary character-defining features of any recognized style identified with the property.

Sports, Recreation, & Leisure Properties Study List

STREET NUMBER	STREET NAME	NOTES
1895	Camino del Rio South	Scottish Rite Temple (Bowlero Bowling Alley)
9494	Friars Road	SDCCU Stadium (San Diego Stadium)
1102, 1150	Fashion Valley Road	Riverwalk Golf Club (Mission Valley Golf Club)

Sub-Theme: Motels/Hotels



Figure 3-21: Looking west at Hotel Circle, ca. 1960, included the Stardust Motor Hotel, Town and Country, Kings Inn, Vagabond Inn, Mission Valley Inn, and Del Webb's Highway House (later Travelodge). Source: San Diego History Center.

The development of Hotel Circle was spearheaded by Charles H. Brown, a local developer, in an effort to increase property values and draw business towards Mission Valley and away from downtown. In the 1950s, Brown helped secure zoning variances from the San Diego City Council, founded Atlas Hotel, Inc. and began developing hotels and motels along the I-8. Conditional use permits were granted by the City Council under pressure, despite the City Planning Department's stance of wanting to preserve open space. To assuage the City's resistance to denser development in Mission Valley, the hotel developers committed to keeping a rural character in Mission Valley with low density, rustic, landscape, garden-themed hotels.[44]

The Town and Country Resort, located at 500 Hotel Circle North, was the first hotel in Mission Valley. It was initially developed by Charles J. Brown in 1953 as a 46-room motor inn. [45] Others soon followed such as the Mission Valley Lodge Stardust Hotel & Country Club. These garden motels along the route were one- and two-stories in height and were comprised of several buildings typically laid out in L or U shape and integrated modern architectural styles of the time.[46] They provided ample parking at the rear or sides of the building. Customers could easily access their car and their motel unit from the exterior doors.

[44] AECOM, "Historical Resource Technical Report for Town & Country Hotel and Convention Center Redevelopment Project San Diego, California." Prepared for Lowe Enterprises, Revised February 2016.
[45] Mary Lou Philips, ed. "Town and Country History." *Town and Country Cookbook.* n.d.
[46] In the postwar period, the terms motel and hotel are sometimes used interchangeably as the properties often had the same function, form, and materials.



Figure 3-22: The Town & Country Hotel was the first garden hotel developed in Mission Valley in 1956. Source: Heritage Architecture & Planning Archives.

Charles Brown, along with developers A.A. Stadtmiller, Paul Borgerding, and Harry Handlery, proposed zoning changes to permit denser hotel development in Mission Valley, with Brown claiming that "limitations of motel development less than 50 percent land coverage for 30 units an acre is not economically feasible," and that "planning staff is not qualified to make such recommendations to hotel men."[47] Brown and the developers were successful in convincing the City Planning Commission to recommend rezoning of western Mission Valley to permit denser development of motels, hotels, and recreational facilities in March 1959. This was followed by the rapid development of five additional hotels, the Stardust Motel, Rancho Presidio Hotel (Hanalei Hotel), Vagabond Hotel, Kings Inn, and Del Webb's Highway House. The seven hotels were located within a mile of each other along service roads on either side of the I-8 forming "Hotel Circle."[48] The low-density concept of the garden-themed hotels was quickly abandoned with the Hotel Circle developers requesting new zoning to allow multistory density in 1963.[49]

Associated Property Types



Figure 3-23: Kings Inn at 1333 Hotel Circle South.

Character-Defining Features:

- Incorporates Modern architectural styles.
- Designed and built as a planned unit.
- Buildings were set-back from the public right of way.
- Ample parking with spaces adjacent to and surrounding the buildings.
- One- to two-stories in height.
- Rooms typically accessed from the exterior door.
- Linear arrangement of buildings, typically I, U, or L-shaped plans.
- Large, free-standing signage near the road or attached to the building.
- Some provide guest amenities such as restaurants, lounges, and small retail shops in separate buildings or adjacent to the main lobby.
- Some incorporate garden features and pools.
- Later multi-story additions were usually located at the rear of the property.

Eligibility Criteria and Integrity Thresholds

Significance Evaluation

The motel industry developed as a hybrid between auto camps and conventional hotels in the 1920s. The combination of easy access to rooms and to the highway, reasonable prices, amenities, and privacy was an attraction to the industry. In the plan area, the convenience of the I-8 and the central location of Mission Valley to other local destinations, was an easy attraction for tourists.

The motel is a building type designed for temporary lodging with direct link between the automobile and the room. A motel evaluated under this sub-theme is significant in the area of commerce with most examples also significant under the area of architecture. They illustrate the evolution of the motel as a significant commercial building type related to the automobile and San Diego's flourishing car culture. They show how a building type's design is shaped by accommodating the needs of the automobile as well as the stylistic economic trends of the day. In most cases, travel accommodating motels should retain integrity of location, association, feeling, and setting as these are important to establish the property's relationship to the commercial development along the I-8 and the establishment of Hotel Circle. Extant, intact examples are becoming increasing rare.

Motels may also be individually significant under the NRHP Criterion A/CRHR Criterion 1 if they are associated with events that contributed to the broad patterns of local history, particularly in regard to commercial history and development; or under HRB Criterion A if they represent special elements of the City's or Mission Valley's historical and commercial development.

Associated motel properties may also be individually significant under NRHP Criterion B/CRHR Criterion 2 or HRB Criterion B if the property was association with persons in local history or have made a significant contribution in the category of commerce within the City.

Eligibility under NRHP Criterion C/CRHR Criterion 3 if they embody the distinctive characteristics of a style, type, period, or method of construction; and/or HRB Criterion C as a resource that

embodies the distinctive characteristics of a style, type, period, or method of construction. Candidates for individual listing should be a highly representative example of a significant type or style and/or contain high artistic value.

Significance under other criteria may be identified following future site-specific survey and evaluation.

Essential Factors of Integrity
A property significant under NRHP Criterion A, CRHR Criterion 1, and HRB Criterion A may possess location, setting, feeling, and association.

Under NRHB Criterion B, CRHR Criterion 2, and HRB Criterion B, location, setting, feeling, and association must also be present.

For NRHP Criterion C, CRHR Criterion 3, and HRB Criterion C, design, materials, and workmanship aspects of integrity are especially important and must be intact for a resource to be eligible. Resources evaluated under Criterion C should also retain most of the character-defining features of their construction types, as well as retain the primary character-defining features of any recognized style identified with the property.

Motel Properties Study List

STREET NUMBER	STREET NAME	NOTES
1333	Hotel Circle South	Kings Inn
1201	Hotel Circle South	Atwood Hotel (formerly Travel Lodge)
625	Hotel Circle South	Hotel Iris
950	Hotel Circle North	Handlery Hotel

Sub-Theme: Commercial Regional Shopping Centers and Office Development

The large span of open land in Mission Valley also began to attract the potentiality of a large regional shopping center at the center of the Valley. At the same time that the Hotel Circle was rezoned, other areas of Mission Valley were rezoned for general commercial construction, specifically for the Mission Valley Shopping Center developed by the May Company in 1958, which became the precedent for the broad commercialization of the community.

As early as 1954, May Company, based out of Los Angeles, began surveying the San Diego region. According to David May, executive vice president of the nation-wide department store, "San Diego is our first choice of five cities for building a new shopping center of this magnitude."[50] In October 1957, the May Company announced plans for an $18 million "major department store and shopping center in Mission Valley." The original site for the proposed Mission Valley Center included 80 acres located north of US 80 between US 395 and Texas Street which was utilized for truck farming and other agricultural purposes.[51]

[50] May Co. Bares Plan for Valley." *Tribune.* October 9, 1957.
[51] Zone Shift Sought for May Co. Unit." *Evening Tribune.* April. 10, 1958.

In April of 1958, the City Council approved the May Company's request to rezone the 90 acres in Mission Valley for commercial use. Although the project was opposed by a variety of groups, a poll taken in 1958 found that 79% of San Diego residents favored the project. When completed, the project was to provide "the largest and most complete facility for shopping south of downtown Los Angeles." Construction of the shopping center commenced in July 1959 and was completed in February of 1961.[52] Designed by William S. Lewis, FAIA of Deems Lewis Martin & Associates, the construction of the May Company building would change zoning and the community landscape within Mission Valley forever from agriculture to commercial. By the end of the decade, a second regional shopping center was developed by Ernest Hahn. Fashion Valley, partially located at the former Westgate Park property, would boast four anchor stores in 1969.

By the end of the 1960s, office building development began to take root in areas of Mission Valley, particularly along Camino del Rio South and portions of Camino del Rio North. They included low- and mid-rise standalone buildings with flexible interior spaces for single tenant occupancy or multiple tenants. Buildings were set back and surrounded by surface parking adjacent to buildings.

Associated Property Types

Regional Shopping Centers

Large regional shopping centers were retailing destinations that represented a radical break from traditional, individually owned buildings facing the street. The shopping centers were built to the full extent of the lot and were separated from the streets by large parking lots and often featured internal entrances and courtyards. Massive in scale, regional shopping centers were generally anchored by one or several department stores and numerous smaller retail shops. Unlike strip malls, shopping centers incorporated pedestrian courtyards and walkways, creating a unique shopping environment sheltered from traffic and parking lots. The grouping of stores in areas where parking could be made available and access from major highways was a growing trend in San Diego County.

Character-Defining Features:

- Incorporates Modern architectural styles, particularly with the anchor stores.
- Designed and built as a planned unit.
- Buildings were set-back from the public right of way.
- Dedicated surface parking lot on all sides.
- One- to two-stories or more in height.
- Two or more anchor department stores with numerous smaller retail shops placed along an inner, pedestrian walkway.
- Linear arrangement of buildings, typically I or T-shaped plans.
- Individualized, prominently-placed signage for each tenant.

[52] K.A. Crawford, "Macy's, 1702 Camino Del Rio North, San Diego, CA 92108 Draft HRRR." June 2014.



Figure 3-24: Mission Valley Shopping Center, ca. 1961, looking east. Source: San Diego History Center.

Office Buildings

Office buildings in Mission Valley during this period incorporated high-designed Modernist examples in Contemporary, Brutalist, and New Formalist sub-styles.

Character-Defining Features:

- Incorporates Modern architectural styles.
- Buildings were set-back from the public right of way.
- Dedicated surface parking lot adjacent to the building.
- Low- to mid-rise standalone buildings with varying massing. Some high-rise examples possible.



Figure 3-25: UFCW Local 135 offices along Camino del Rio South. Note the expanses of glass at the entry and the use of metal decorative metal grilles at the left.



Figure 3-26: San Diego Community College District Offices at 3375 Camino del Rio South. Note the building's symmetrical composition, simple geometric form, flat roof, clear expression of structure and materials, and large expanses of glass.

Eligibility Criteria and Integrity Thresholds

Significance Evaluation

The commercial, regional shopping centers, and office properties may be individually significant under the NRHP Criterion A/CRHR Criterion 1 if they are associated with events that contributed to the broad patterns of local history, particularly in regard to commercial history and development; or under HRB Criterion A if they represent special elements of the City's or Mission Valley's economic, cultural, and/or historical development. Resources should be considered in the context of significant companies, developers, or categories of commerce within the City.

Eligibility under NRHP Criterion C/CRHR Criterion 3 if they embody the distinctive characteristics of a style, type, period, or method of construction; and/or HRB Criterion C as a resource that embodies the distinctive characteristics of a style, type, period, or method of construction. Candidates for individual listing should be a highly representative example of a significant type or style and/or contain high artistic value. While some of the office development may be less than 45 years old, there may be early and/or exceptional examples that still merit designation.

Significance under other criteria may be identified following future site-specific survey and evaluation.

Essential Factors of Integrity

A property significant under NRHP Criterion A, CRHR Criterion 1, and HRB Criterion A may possess location, setting, feeling, and association.

For NRHP Criterion C, CRHR Criterion 3, and HRB Criterion C, design, materials, and workmanship aspects of integrity are especially important and must be intact for a resource to be eligible. Resources evaluated under Criterion C should also retain most of the character-defining features of their construction types, as well as retain the primary character-defining features of any recognized style identified with the property.

Commercial, Regional Shopping Centers, and Office Properties Study List

STREET NUMBER	STREET NAME	NOTES
3255	Camino del Rio South	County of San Diego Behavioral Health Services (originally Industrial Indemnity Co.)
3375	Camino del Rio South	Charles W. Patrick Building, San Diego Community College District Offices
2001	Camino del Rio South	UFCW Local 135
350	Camino de la Reina	San Diego Union-Tribune
7007	Friars Road	Fashion Valley
1640	Camino del Rio North	Westfield Mission Valley (formerly Mission Valley Shopping Center)

Sub-Theme: Residential – Apartments

Unlike other neighborhoods, residential properties within Mission Valley came much later following the commercialization of the valley. Briefly starting in the late 1960s with a brutalist designed apartment complex located on Friars Road, the complex was designed by Tucker Sadler and included views into the adjacent golf course site. A wave of residential development did not readily follow until the 1970s when apartment complexes began to develop further east above the Mission San Diego site along Rancho Mission Road. These later apartment developments were generally two-stories complexes that did not incorporate strong stylistic statements. The apartments were generally rectangular in shape with entry to units along the exterior.

Associated Property Types

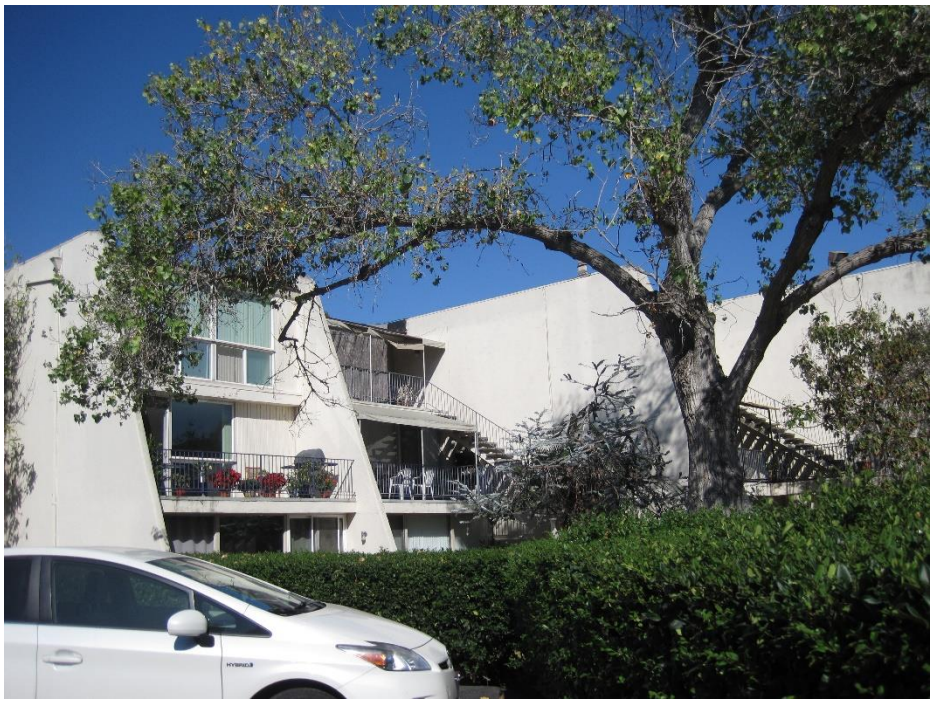


Figure 3-27: 1965 apartment complex designed by Tucker Sadler along Friars Road.

Character-Defining Features:

- 1960s apartments incorporate Modern architectural styles.
- Apartments were set-back from the public right of way.
- Dedicated surface parking or carports were provided for residents.
- Two- to three-stories buildings.

Apartment Properties Study List

STREET NUMBER	STREET NAME	NOTES
6855	Friars Road	Tucker Sadler, Architect

Eligibility Criteria and Integrity Thresholds

Significance Evaluation

Apartment complexes derive their eligibility under NRHP Criterion C/CRHR Criterion 3 if they embody the distinctive characteristics of a style, type, period, or method of construction; and/or HRB Criterion C as a resource that embodies the distinctive characteristics of a style, type, period, or method of construction. Candidates for individual listing should be a highly representative example of a significant type or style and/or contain high artistic value. While some of the apartment complexes may be less than 45 years old, there may be early and/or exceptional examples that still merit designation.

Significance under other criteria may be identified following future site-specific survey and evaluation.

Essential Factors of Integrity

For NRHP Criterion C, CRHR Criterion 3, and HRB Criterion C, design, materials, and workmanship aspects of integrity are especially important and must be intact for a resource to be eligible. Resources evaluated under Criterion C should also retain most of the character-defining features of their construction types, as well as retain the primary character-defining features of any recognized style identified with the property.

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A. ARCHITECTURAL STYLES

Mission Valley exhibits a wide range of architectural styles. The styles discussed are those represented among the potentially historic resources within the Mission Valley Plan area. The following section, presented chronologically, describes the prominent styles and their character defining features. It does not establish historic significance, but rather provides a guidance to assist in the identification and evaluation of resources within the community plan area. The character defining features listed are intended to assist in resource identification but does not necessarily prescribe that all resources exhibit all the features listed. The descriptions of architectural styles are used in conjunction with Virginia and Lee McAlester's *A Field Guide to American Houses* (New York: Alfred A. Knopf, 1988) and the City of San Diego's *San Diego Modernism Historic Context Statement* (2007).

Mission/Spanish Colonial Revival

The Mission/Spanish Colonial Revival style, as its name implies, encompasses two major subcategories. The Mission Revival vocabulary, popular between 1890 and 1920, drew its inspiration from the missions of the Southwest.



Mission San Diego de Alcala, 10818 San Diego Mission Road.

Character-Defining Features:
- Quatrefoil windows
- Curved parapets
- Low-pitched, red-tiled roofs and coping, (usually with overhanging eaves)
- Arcaded porch supported by large, square piers, arches
- Smooth stucco wall surfaces

The Spanish Colonial Revival flourished between 1915 and 1940, reaching its apex during the 1920s and 1930s. The movement received widespread attention after the Panama-California Exposition in San Diego in 1915, where lavish interpretations of Spanish and Latin American prototypes were showcased.



Nazareth School, 10728 San Diego Mission Road.

Character-Defining Features:
- Low-pitched roofs, usually with little or no overhangs and red tile roof coverings,
- Flat roofs surrounded by tiled parapets;
- Smooth stucco wall surfaces

Craftsman Bungalow

The Craftsman Bungalow, also referred to as the "California Bungalow" in other areas of the country, was popular in the early 1900s for use on residential properties. It emerged out of the Arts and Crafts movement, the proponents of which desired to return to traditional building materials and techniques. The principles of honest design, often characterized by exposure of structural building elements, were applied to small homes (bungalows), many available from house-kit companies and pattern books to create the Craftsman Bungalow. The bungalow, with its simple structure and popular styling, made home ownership possible for many Americans at the beginning of the 20th century. The style is typically one to one-and-a-half stories, with low-pitched, gabled roof, has oversized eaves with exposed rafters, and windows place din groups or bands.

Character-Defining Features:

- Low-pitched, hipped or gable-front roof with oversized eaves and exposed decorative rafters
- Windows arranged in bands or singly; three-over-one or one-over-one; rectangular top
- Clad with clapboard, shingles, stone, or brick
- Porch, either large or small, supported by columns or piers that begin either at porch floor or from porch balustrade.



One of the few remaining single-family residences associated with the Dairy Industry is the Ferrari Residence, 3154 Camino del Rio South.

Ranch

Ranch construction were typically custom designed with a specific client in mind, mainly for custom homes. Designers of this style include such noted San Diego designers as Cliff May, Richard Wheeler, CJ Paderewski, and Weir Brothers Construction. Cliff May was instrumental in popularizing the Ranch style in California with his book and articles published by *Sunset Magazine*. The Ranch style became the era's most prevalent type of residential construction in San Diego and was also utilized in hotel/motel architecture, as seen in Mission Valley. Ranch buildings frequently included a large landscaped property, with a deep street setback. Materials and detailing on Ranch buildings are generally traditional. Typical exterior materials include wood siding, stone, concrete block, brick, and even adobe. Detailing may include



Inner courtyard at the Town & Country Hotel, 500 Hotel Circle North.

paneled wood doors, divided lite windows, and wood shutters. They offered "contemporary" styling, modern amenities, sprawling floor plans, included ranch style landscape features such as split-rail fences and wide lawns reminiscent of open fields.

Character-Defining Features:

- Horizontal massing
- Usually single-story
- Sprawling floor plan frequently "L" or "U" shaped around a central courtyard
- Large attached carports, porte-cocheres, or garages
- Prominent low-sloped gabled or hipped roofs with deep overhangs
- Traditional details (wood shutters, wood windows, and large prominent brick or stone chimneys)
- Traditional building materials (wood shingle roofing, wood siding, brick, and stone)



1960s postcard of the King's Inn, 1333 Hotel Circle South.

Futurist-Googie

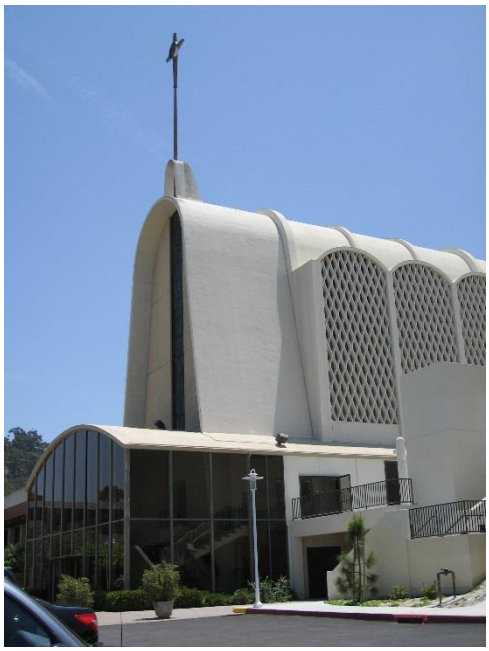
The Futurist style of Modern architecture began after World War II as Americans became entranced with technology and the space age. At that time America was also being transformed by a car culture. As automobile use increased, roadside architecture evolved. It was intended to attract the consumer with bright colors, over-sized lighted signage, and exaggerated forms. In short, the building was the billboard. The Futurist style was used overwhelmingly on coffee shops, gas stations, motels, restaurants, and retail buildings.


Scottish Rite Event Center (formerly the Bowlero), 1895 Camino Del Rio South.

The name "Googie" comes from the well-known coffee shop in Los Angeles named Googies which was designed by renowned Modernist architect John Lautner in 1949. Futurist architecture is also

referred to as "Coffee House Modern," "Populuxe," "Doo-Wop," and "Space Age." Futurist architecture was popular throughout the 1950s and fell out of favor by the mid-60s, as America became more sophisticated in its understanding and interpretation of space travel and futurist technology. Futurist architecture often has sharp angles, boomerang or flying saucer shapes, large expanses of glass, exposed steel structural elements, and dramatic roof overhangs. The basic form and size of Futurist buildings varies significantly from building to building. An abstract arrangement of shapes and textures is typical.

In San Diego, examples of Futurist or Googie architecture generally have commercial uses such as retail, hotels, service stations, restaurants, and offices. These buildings can be found along commercial strips in many neighborhoods including Mission Valley.



First United Methodist Church, 2111 Camino Del Rio South.

Character-Defining Features:

- Building as billboard
- Abstract or angular shapes
- Prominent signage (neon or lighted)
- Prominent roof forms (flat, gabled, upswept, butterfly, parabolic, boomerang, or zig-zag)
- Asymmetrical facades
- Variety of exterior finishes including stucco, concrete block, brick, stone, and wood siding
- Bright colors
- Large windows (aluminum framed)
- Screen block and shadow block accents



Macy's at the Mission Valley Shopping Center (now Westfield Mission Valley), 1640 Camino Del Rio North.

Secondary:

- Variety of exterior finishes including stucco, concrete block, brick, stone, plastic, and wood siding
- Bright colors
- Screen block and shadow block accents
- Building as billboard
- Asymmetrical facades

Tiki-Polynesian

Tiki-Polynesian architecture is related to Futurist-Googie architecture in that it employed exaggerated forms to attract the consumer, but it does so using an island theme which has been reinterpreted with modern design elements. America's infatuation with native Polynesian style architecture was fueled by World War II GIs who had served in the South Pacific. The trend peaked at about the time of Hawaii's admission in to the Union in 1959 and waned by 1970. The Tiki theme was used frequently in hotels, restaurants, and retail buildings and was popular throughout southern California which already attracted visitors interested in the beaches and warm weather.



Early advertisement for the Hanalei Hotel, 2270 Hotel Circle North.

Tiki or Polynesian style architecture is characterized by strong roof lines often with a steep primary cross-gable marking the main entry. Roofs are generally wood shingled with exposed wood structural members. The ridge of the primary cross-gable may be straight or upswept to further accentuate the entry. Many Tiki buildings also incorporate a dramatic porte-cochere to further emphasize the main entry. The exterior wall finish is usually some type of un-painted wood siding, generally wide-width. It is also common for Tiki style buildings to have stone or rock wall features and accents. Tiki style buildings usually have a strong horizontal massing which is accentuated by the roof lines and horizontal bands of windows.

One of the major character-defining features of most Tiki style buildings is the surrounding landscape. Usually tropical with a variety of palms, and flowering plants, the landscape is an important component of Tiki architecture in that it reinforces the fantasy aspect of this style.

Interiors of Tiki-Polynesian buildings were intended to perpetuate the fantasy as much as the landscapes. Decorative features may include lighted signage, wood tikis, tribal motifs, wood carvings, bamboo accents, torch lights, boulders, and water features.

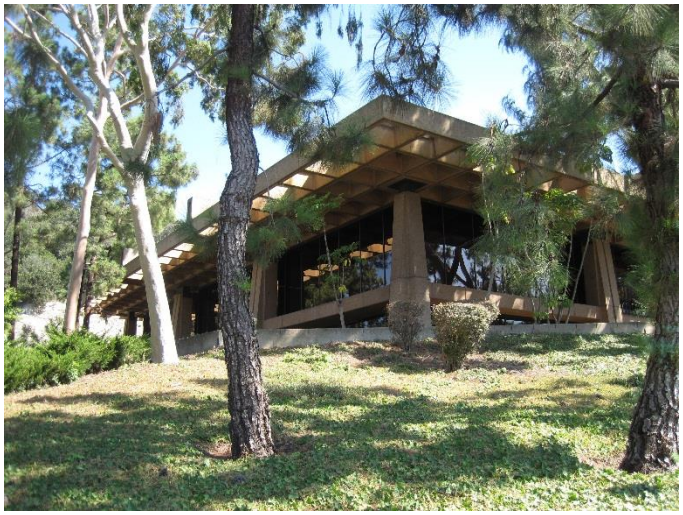
Character-Defining Features:

- Prominent roof forms. Usually gabled with a cross gable marking the main entry
- Pitched or upswept ridge beams
- Exposed heavy timber roof framing
- Horizontal massing
- Porte-cocheres
- Natural finishes (wood siding, wood shingles, and stone)
- Lush tropical landscaping

- Tropical accents (tikis, torch lights, and boulders)
- Lighted neon signage

Brutalist

The name "Brutalist" originated from the French *béton brut* which means "raw concrete". The style was largely inspired by Swiss architect Le Corbusier. Brutalist buildings are generally strikingly blockish, geometric, and composed of repetitive shapes. The predominant building material is concrete, frequently revealing the intentional textures of the wood formwork. The concrete is intended to be fully expressed as both the primary structural material and finish. Critics of the style argued that it disregarded the social environment, making such structures inhuman, stark, and out of place.



County of San Diego Behavioral Health Services, 3255 Camino Del Rio South.

The Brutalist style is most represented by Qualcomm Stadium (Frank Hope and Associates, 1965).

Character-Defining Features:

- Monumental concrete massing
- Exposed concrete as building finish
- Angular and rectilinear forms
- Repetitive patterns

Secondary:

- Repetitive patterns
- Intentional avoidance of traditional elements or ornament



A 31-unit ca. 1965 condominium, 6855 Friars Road.

Utilitarian Industrial

Utilitarian Industrial refers to buildings whose architecture is significantly determined by the use of the building. For instance, a utilitarian industrial style manufacturing facility may have a particular roof built to accommodate the interior crane. Utilitarian style structures are of various sizes, roof styles, and clad in different materials, but what distinguishes them is that the builder has made no attempt to impose any detailing or ornamentation besides those that are deemed necessary for the business of the building. Utilitarian buildings includes factories, warehouses, and storage sites and usually are industrial structures. Most industrial buildings built from the mid-20th century to the present are utilitarian.

Character-Defining Features:

- Various roof types
- Various window types
- Masonry, corrugated metal, or stucco siding
- No ornamentation
- Design based on use of the building



Kinder Morgan Mission Valley, 9950 San Diego Mission Road.

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B. STUDY LIST

No formal survey was undertaken as part of this study. However, the following study list represents properties of architecture or thematic interest within Mission Valley. This is not an exhaustive list of all eligible properties, but a representation of potentially eligible resources identified during the archival research and limited fieldwork conducted in the development of this historic context statement. Conversely, a resource's presence on this study list does not automatically constitute eligibility.

STREET NUMBER	STREET NAME	BUILDING	THEME / SUB-THEME / CRITERION	NOTES
2945	Hotel Circle Place	U-Haul Building	Agriculture & Dairy Industry	
3154	Camino del Rio South	Ferrari Residence	Agriculture & Dairy Industry	
1895	Camino del Rio South	Scottish Rite Temple	• Commercial: Sports, Recreation, & Leisure • Architect	Bowlero CJ Paderewski, Architect
9449	Friars Road	SDCCU Stadium	• Commercial: Sports, Recreation, & Leisure • Architect	San Diego Stadium Frank L. Hope & Associates, Architect
1333	Hotel Circle South	Kings Inn	Commercial: Motels/ Hotels	
1201	Hotel Circle South	Atwood Hotel	Commercial: Motels/ Hotels	Travel Lodge / Del Webb's Hiwayhouse
625	Hotel Circle South	Hotel Iris	Commercial: Motels/ Hotels	
950	Hotel Circle North	Hadlery Hotel	Commercial: Motels/ Hotels	Hanalei Hotel
3255	Camino del Rio South	County of San Diego Behavioral Health Services	• Commercial: Regional Shopping Centers and Office Development • Architect	Industrial Indemnity Co. Deems & Lewis, Architect
350	Camino de la Reina	San Diego Union Tribune Building	• Commercial: Regional Shopping Centers and Office Development • Architect	Frank L. Hope & Associates, Architect
3375	Camino del Rio South	Charles W. Patrick Building, San Diego Community College District Offices	Commercial: Regional Shopping Centers and Office Development	

STREET NUMBER	STREET NAME	BUILDING	THEME / SUB-THEME / CRITERION	NOTES
2111	Camino del Rio South	First United Methodist Church	Architect	Perkins, Will, Inwood, Architect
404	Camino del Rio South	Associated General Contractors	• Commercial: Regional Shopping Centers and Office Development • Architect	Richard Wheeler, Architect
6855	Friars Road		Residential: Apartments Architect	Tucker Sadler, Architect
10728	San Diego Mission Road	Nazareth School	Architecture	

Appendix I: Hydrology and Water Quality Report Existing Conditions Analysis

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HYDROLOGY AND WATER QUALITY REPORT
EXISTING CONDITIONS ANALYSIS
IN SUPPORT OF ENVIRONMENTAL IMPACT REPORT
FOR
MISSION VALLEY COMMUNITY PLAN UPDATE
CITY OF SAN DIEGO
SAN DIEGO COUNTY, CALIFORNIA

Job Number 17571

February 23, 2016

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HYDROLOGY AND WATER QUALITY REPORT
EXISTING CONDITIONS ANALYSIS
IN SUPPORT OF ENVIRONMENTAL IMPACT REPORT
FOR
MISSION VALLEY COMMUNITY PLAN UPDATE EIR
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February 23, 2016

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1.0 INTRODUCTION

This report describes existing storm water drainage and storm water quality conditions within the Community of Mission Valley in the City of San Diego, California. The Community of Mission Valley (herein "Mission Valley") includes approximately 2,418 acres (3.8 square miles) and is located near the geographic center of the City of San Diego. Mission Valley is bounded on the north by Friars Road and the northern slopes of the valley, on the east by the eastern banks of the San Diego River, on the south by the southern slopes of the valley, and on the west by Interstate 5. The vicinity map, Figure 1.1 shows the boundaries of Mission Valley. This report is in support of a Programmatic Environmental Impact Report (PEIR) for the Mission Valley Community Plan Update. The Mission Valley Community Plan Update will update land use policies in order to create a plan for future development, and a long term vision for Mission Valley.

Storm water drainage is discussed in Section 2 of this report. The storm water drainage discussion addresses local surface runoff patterns and floodplains. Storm water quality is discussed in Section 3, including quality of local surface runoff and quality of receiving waters. Section 4 describes regulations, policies and programs applicable to storm water drainage, floodplain management, and storm water quality in the City of San Diego that will dictate design criteria and standards for development projects within Mission Valley. Section 5 will provide an overview of the development constraints for San Diego City-Owned properties within Mission Valley.



Figure 1 – Vicinity Map

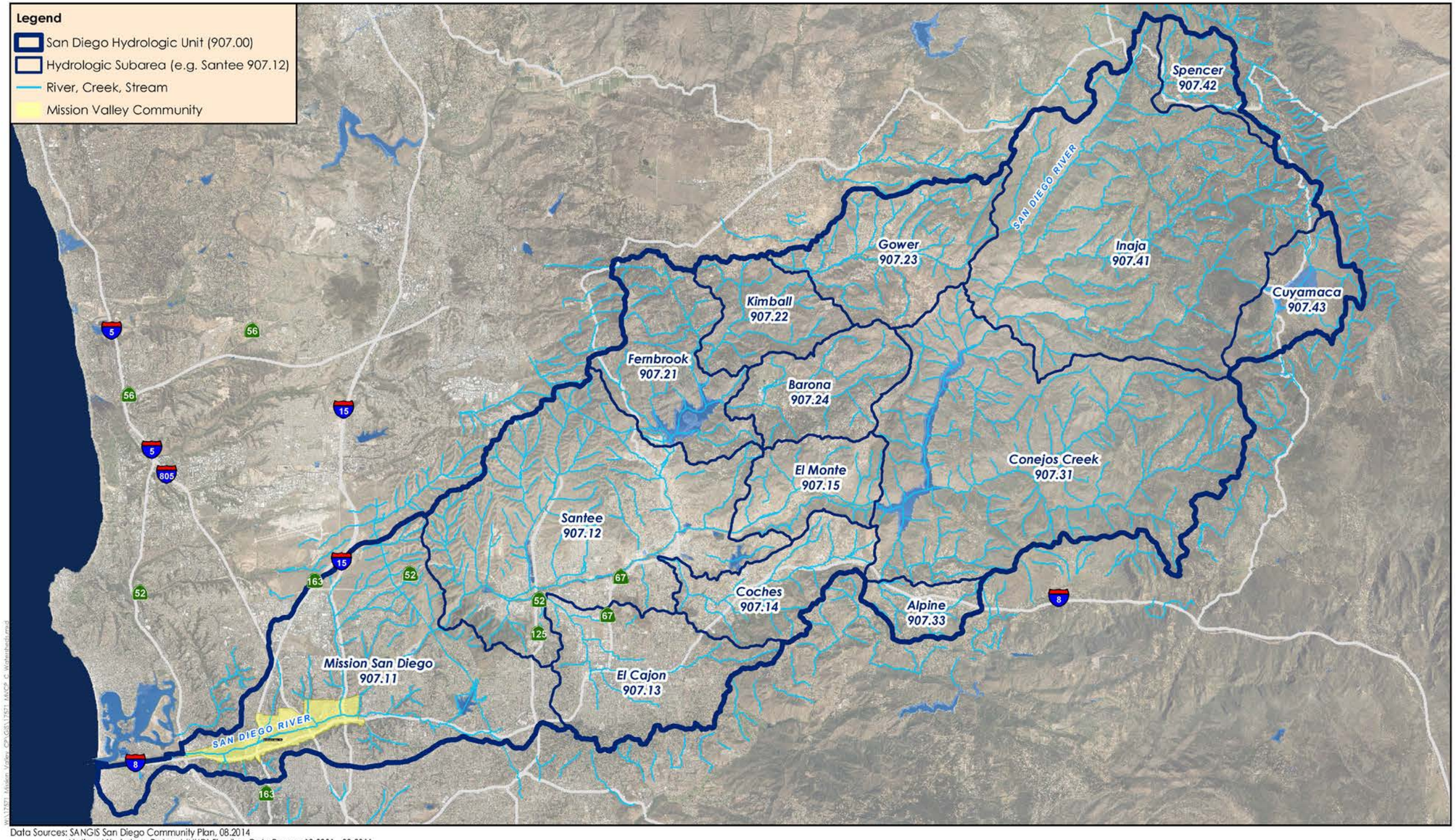
Hydrologic Setting

The Community of Mission Valley is in the San Diego River Watershed. For purposes of tracking water quality, according to the San Diego Basin Plan[1], Mission Valley is within the Mission San Diego Hydrologic Subarea (907.11) of the Lower San Diego Hydrologic Area (907.1) of the San Diego Hydrologic Unit (907.00). A hydrologic unit represents an entire watershed. A hydrologic area, and hydrologic subarea further divide a hydrologic unit (watershed) into smaller areas. Figure 2, Hydrologic Unit Map, shows the San Diego River Watershed.

The San Diego Hydrologic Unit (watershed) has an area of approximately 440 square miles. It contains portions of the cities of San Diego, El Cajon, La Mesa, and Santee, and several unincorporated communities of San Diego County.

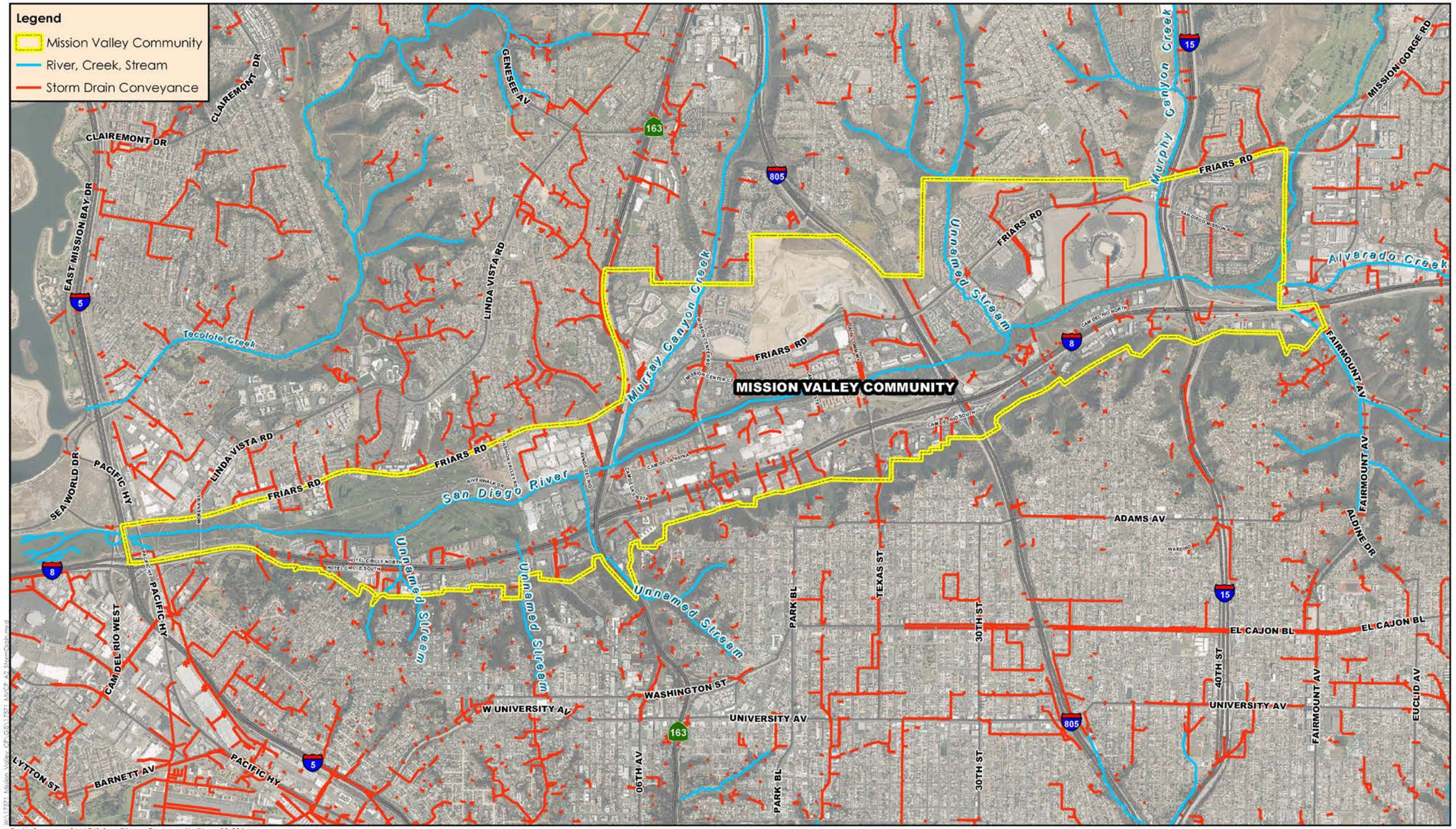
The Community of Mission Valley encompasses the lower 6.5 miles of the San Diego River. The San Diego River flows from east to west through the center of the community. The San Diego River enters Mission Valley at the community's northeast boundary, east of Interstate 15 (I-15), and flows southerly along the community's east boundary. Then before reaching Interstate Highway 8 (I-8), it turns and flows westerly through the center of Mission Valley to the Pacific Ocean. In general, storm water runoff in Mission Valley travels towards the San Diego River. There are three major creeks, Alvarado Creek, Murphy Canyon Creek, and Murray Canyon Creek, that flow into the San Diego River within Mission Valley. Figure 3, River, Creek, Stream, and Storm Drain Map, shows drainage patterns within Mission Valley. Figure 4, Mission Valley Community, Adjacent Communities, and USGS 40-Foot Contours, displays topography for the area.

[1] "Water Quality Control Plan for the San Diego Basin (9)" adopted by the California Regional Water Quality Control Board, San Diego Region



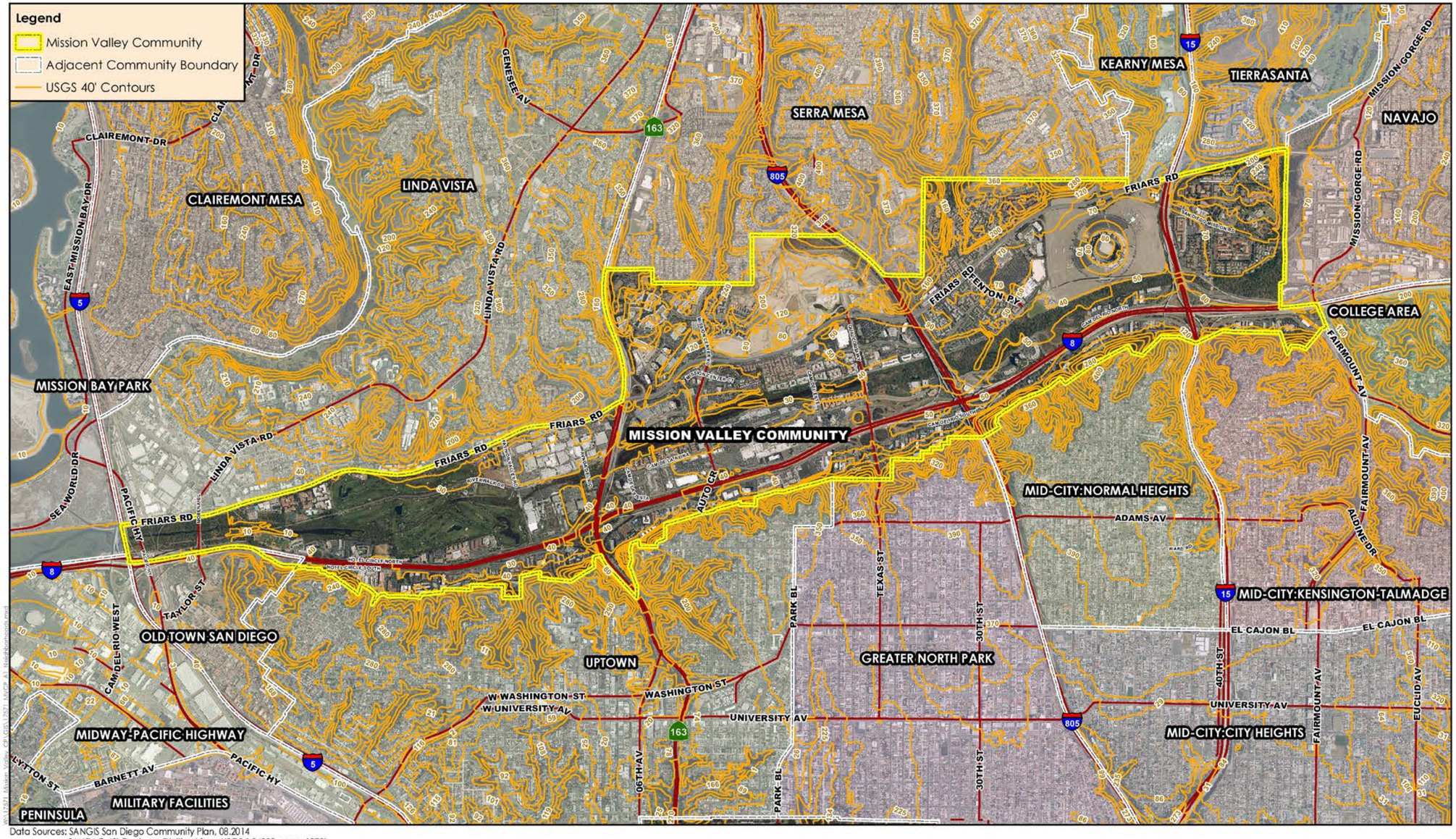
Data Sources: SANGIS San Diego Community Plan, 08.2014
National Hydrology Dataset (NHD) Flowline, Date Range: 10.2001 - 03.2011
SANGIS Hydrologic Basins per CA Department of Forestry, 06.2003
Eagle Aerial Photo: 04.2013

Figure 2 – Hydrologic Unit Map



Data Sources: SANGIS San Diego Community Plan, 08.2014
National Hydrology Dataset (NHD) Flowline, Date Range: 10.2001 - 03.2011
SANGIS Drain Conveyance, 04.2010
Eagle Aerial Photo: 04.2013

Figure 3 – River, Creek, and Storm Drain Map



Data Sources: SANGIS San Diego Community Plan, 08.2014
SANDAG 40' Contours, Digitized from USGS 1:24000 maps, 1970's
Eagle Aerial Photo: 04.2013

Figure 4 – Mission Valley Community, Adjacent Communities, and USGS 40-Foot Contours

2.0 EXISTING DRAINAGE CONDITIONS

Local Surface Runoff Patterns

The Community of Mission Valley is surrounded by steep hills on its north and south sides, sloping toward the San Diego River, as shown on Figure 3. Considering the topographic characteristics of Mission Valley, the local storm water runoff originating within the community stays within the boundary of the community and drains toward the San Diego River. Storm water runoff originating in Mission Valley is conveyed to the San Diego River in streets, gutters, cross gutters, open channels, and storm drain systems. Existing storm drain locations that are included in the City of San Diego's storm drain inventory are shown on Figure 2. The runoff is then conveyed in the San Diego River to the Pacific Ocean.

Mission Valley is mostly developed and is highly impervious, except for the San Diego River channel and Riverwalk Golf Course. Nearly all rainfall landing on the developed areas of Mission Valley can be expected to become runoff because there are minimal opportunities for infiltration. Typical runoff response from highly impervious areas is flashy with high peak flow rates for short durations.

The San Diego River watershed area is greater than the community of Mission Valley. This makes Mission Valley the recipient of storm water runoff from its adjacent communities. Neighboring communities to Mission Valley are shown on Figure 2.1.

Major drainage inputs to Mission Valley are Alvarado Creek, Murphy Canyon Creek, Murray Canyon Creek, San Diego River, and a few unnamed creeks. Numerous storm drain pipes and open channels also cross the Mission Valley Community boundary, to direct the drainage from adjacent communities toward the San Diego River. Surface drainage (e.g: overland flow, flow in road gutters) from adjacent communities is also a source of storm water input to Mission Valley Community.

Floodplains

The four major water bodies draining through the Mission Valley Community, San Diego River, Alvarado Creek, Murphy Canyon Creek, and Murray Canyon Creek, have been studied and documented in the Federal Emergency Management Agency (FEMA) "Flood Insurance Study for San Diego County, California and Unincorporated Areas," dated May 16, 2012, hereafter referred to as "San Diego County 2012 FIS". The river and creeks are mapped on Flood Insurance Rate Maps (FIRMs). Attachment A includes an exhibit showing effective FEMA Flood Hazard Areas (floodways, 100-year floodplains, and 500-year floodplains) for Mission Valley based on the National Flood Hazard Layer (NFHL) published by FEMA. Attachment A also includes copies of effective FIRMs that encompass Mission Valley. The FIRMs are annotated with Mission Valley Community boundary. FEMA Flood Hazard Zones within Mission Valley include Zone AE, Zone A, and Zone X (shaded).

Zones AE and A are Special Flood Hazard Areas (SFHAs) subject to inundation by the 1% annual chance flood (100-year flood). Zone AE means Base Flood Elevations (BFEs) and floodway extents have been determined. The BFEs and floodway are shown on the FIRMs (see Attachment A). The BFE is the water surface elevation of the 1% annual chance flood. The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights. Zone A means no BFEs have been determined (i.e., a detailed hydraulic study to establish BFEs has not been prepared) and floodway is not established. Most of the SFHA in Mission Valley has BFEs established and is mapped as Zone AE. Only isolated pockets of Zone A exist where no study has been prepared.

Zone X (shaded) indicates "Other Flood Areas" which could be "areas of 0.2% annual chance flood [500-year]; areas of 1% annual chance of flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees

from 1% annual chance flood." Most of the Zone X (shaded) areas in Mission Valley are areas protected from the San Diego River by levees, which are discussed in detail below.

Below is a discussion of each riverine flooding source (San Diego River, Alvarado Creek, Murphy Canyon Creek, and Murray Canyon Creek).

San Diego River

The primary source of riverine flooding in Mission Valley Community is the San Diego River. Based on the San Diego County 2012 FIS, the San Diego River watershed drains approximately 433 square miles at its mouth in Mission Bay, and conveys 36,000 cubic feet per second (cfs) through Mission Valley in the 1% annual chance flood.

The historical flooding for the San Diego River is documented in the San Diego County 2012 FIS:

> "From available data concerning San Diego River, it is estimated that approximately a 1-percent annual chance frequency flood occurred in 1916 and approximately a 2-percent annual chance frequency flood occurred in 1927."
>
> "January-February 1980: In the 1980 storms, approximately 15 to 20 inches of precipitation accumulated over approximately six weeks, followed immediately by the storm of February 20-21. During this climax, most county reservoirs peaked and local streams reached maximum levels. Considerable evacuation was necessary, particularly in Lakeside and San Diego-Mission Valley."

As shown on the FIRMs provided in Attachment A, many areas of Mission Valley are in the 100-year floodplain of the San Diego River. This includes the following locations:

1. East of Interstate 15 (I-15) – portions of: Ward Road (bridge), San Diego Mission Road (low water crossing), Camino Del Rio North
2. West of I-15 – portions of Qualcomm Stadium Parking Lot (flooding is due to the San Diego River and Murphy Canyon Creek)
3. West of Interstate 805 (I-805) – a portion of Qualcomm Way, from Friars Road to the San Diego River (low water crossing often flooded during lower storm events)
4. Camino Del Este road crossing (low water crossing very frequently flooded during lower storm events)
5. Mission Center Road from Friars Road to the San Diego River (low water crossing often flooded during lower storm events).
6. Between I-805 and SR-163, south of the San Diego River – portions of: Camino De La Reina, Camino Del Rio North, Camino De La Siesta, Camino Del Arroyo
7. West of SR-163 –Avenida Del Rio and portions of Fashion Valley Road (low water crossings very frequently flooded during lower storm events),
8. Portions of Fashion Valley Mall parking (structures on south side of mall and west parking lot south of JC Penney)
9. Portions of: Camino De La Reina, Town and Country Resort and Convention Center, Riverwalk Golf Club, Handlery Hotel, Hotel Circle North, Hotel Circle South
10. Portions of I-8 between SR-163 and Interstate 5 (I-5)
11. YMCA along Friars Road
12. Trolley is in and out of the San Diego River all the way from Camino Del Rio North (east of I-15) to near I-5. While most of the length is elevated, at-grade stations at Morena Linda Vista, Mission Valley Center, Fenton Parkway, and Mission San Diego are subject to flooding, and access to elevated stations at Fashion Valley and Qualcomm Stadium may be interrupted due to flooding on local roads and parking areas. Hazard Center and Rio Vista stations are outside of the SFHA.

Bridges and Road Crossings/Culverts for the San Diego River

There are several existing bridges and road crossings/culverts across the San Diego River in the Mission Valley Community. Crossings are shown on Figure 5, Channel Structures on San Diego River.

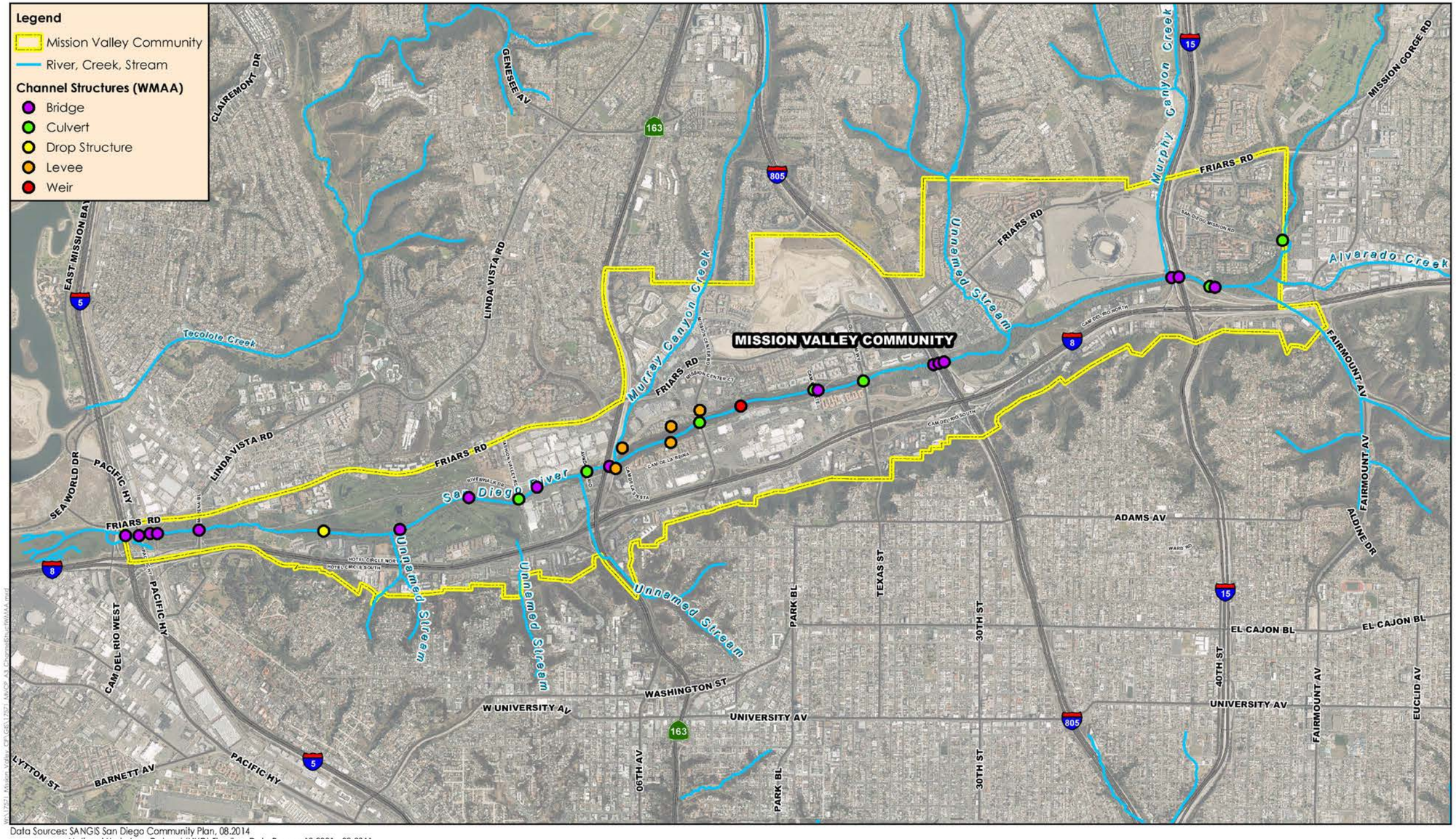
Bridges (listed from east to west) include:

Ward Road
I-15
I-805
SR-163
Morena Boulevard
Pacific Highway
San Diego Metropolitan Transit System Trolley
Riverwalk Golf Course Bridges

Road Crossings/Culverts (listed from east to west) include:

San Diego Mission Road
Qualcomm Way
Camino Del Este
Mission Center Road
Avenida Del Rio
Fashion Valley Road

All of the road crossings/culverts listed above are low water crossings, also known as ford crossings. This means that the road is designed to allow crossing the river when the water is low, as when there is no storm event or during small storm events, and to temporarily flood or overtop (convey river flow across the roadway) during large storm events.



Data Sources: SANGIS San Diego Community Plan, 08.2014
National Hydrology Dataset (NHD) Flowline, Date Range: 10.2001 - 03.2011
SANGIS Assessor Parcels, 08.2015
Eagle Aerial Photo: 04.2013

Figure 5 – Channel Structures on San Diego River

The road crossings/culverts listed above, as well as Ward Road Bridge, will be impassable during some storm events. Avenida Del Rio, Fashion Valley Road, and San Diego Mission Road are the most susceptible to flooding. They could be expected to flood in approximately 5-year storm events and greater. Camino Del Este, Qualcomm Way, and Mission Center Road could be expected to flood in approximately 10-year storm events and greater. Ward Road crossing is a bridge rather than a low water crossing. However it is susceptible to flooding in approximately 20-year storm events and greater.

Because of the design of the road crossings, flooding of the San Diego River creates a major disruption to transportation in Mission Valley for temporary periods. When the San Diego River overtops the road crossings, it impacts public safety, traffic circulation and access to businesses. Public transportation must be re-routed or suspended. Flooding can also cause damage to the structures (e.g., the Fashion Valley Road crossing was destroyed in 2005). The impact of structure damage extends well beyond the duration of the storm event.

Levees for the San Diego River

There are three levees along the reach of the San Diego River within the Mission Valley Community. However, these levee systems are not accredited by FEMA. This means that they cannot be considered to provide flood protection because they do not meet FEMA's standards for levees. This affects the following areas, which are shown on the FIRM panels as Zone X (shaded) with a note that they are protected by a provisionally accredited levee:

1. North of the San Diego River from SR-163 to just west of the westerly terminus of Station Village Lane, including properties along Hazard Center Drive, portion of Frazee Road south of Friars Road, Mission Center Court, Caminito Gabaldon, and Caminito De Pizza.

2. South of the San Diego River from SR-163 to Qualcomm Way, including properties along Camino De La Reina, Camino Del Rio North, and Camino Del Este. This includes Mission Valley Mall.

The affected areas may be subject to flooding from the San Diego River in the 100-year storm event.

Below is a summary of the three levees in in the Mission Valley Community and their status with respect to the accreditation process:

- Levees 11 and 13 – Located north of the San Diego River, extending from SR-163 to Mission Center Road and from Mission Center Road to Qualcomm Way, respectively
- Levee 13 – Located south of the San Diego River, extending from SR-163 to Qualcomm Way

The effective FIRMs dated May 16, 2012 show that these levees are provisionally accredited levees (PALs). PAL designation means that the levee was recognized on FEMA's previous FIRMs; however the regulatory requirement for levee accreditation has since changed, and the levee is in the process of accreditation. In order for a levee to gain FEMA full accreditation, the community or levee owner must provide the proper documentation to certify that the levee continues to provide protection from the base flood, and that the levee still meets the minimum Federal requirements. The proper documentation for levee accreditation must be provided to FEMA within a 24-month timeframe from the date the community or levee owner has signed an agreement indicating the data and documentation required for compliance will be provided. If the 24-month PAL period expires and the community does not submit all of the required documentation, FEMA will consider the levee system as de-accredited and the impacted area will be mapped as high risk.

FIRM panels dated May 16, 2012 include this note for Provisionally Accredited Levees:

> "Provisionally Accredited Levee Notes to Users: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee systems(s) shown as providing protection for areas on this panel. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations by May 16, 2012. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicate the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http:ltwww.fema.gov/businesslnfip/indes/shtm"

Based on the FIRM panels, the timeframes for levee accreditation have passed. Therefore, the levees in the Mission Valley Community cannot be considered to provide flood protection because they do not meet FEMA's standards.

Alvarado Creek

Based on San Diego County 2012 FIS, the Alvarado Creek watershed encompasses approximately 14 square miles, measured to the San Diego River. Alvarado Creek flows through Mission Valley Community for just 400 feet before it confluences with (flows into) the San Diego River. FEMA Flood Zone for Alvarado Creek within the Community of Mission Valley is Zone AE. The short reach of Alvarado Creek within the Mission Valley Community does not include existing roads or structures impacted by flooding from Alvarado Creek.

Murphy Canyon Creek

Based on the San Diego County 2012 FIS, the Murphy Canyon Creek watershed encompasses approximately 12.1 square miles, measured to Friars Road. Murphy Canyon Creek flows southerly parallel to I-15 in the Mission Valley Community for 0.5 mile before it confluences with (flows into) the San Diego River.

FEMA Flood Zones for Murphy Canyon Creek within the Community of Mission Valley are Zone A, AE, and X. There are no records of historical flooding for Murphy Canyon Creek. The San Diego County 2012 FIS mentions the following Flood Protection Measure in the City of San Diego that is outside of the Mission Valley Community but affects the community:

> "On Murphy Canyon Creek, just upstream of Friars Road, there is an approximately 300-foot long concrete-lined trapezoidal channel downstream of a 1,900-foot long double, 8- by 14-foot reinforced concrete box culvert. Upstream of the double box culvert, there is an additional 600 feet of concrete-lined trapezoidal channel. This lined channel/box culvert structure will fully contain the 10- and 2-percent annual chance flood flows and will contain a major portion of the 1- and 0.2-percent annual chance flood flows. In addition to this structure, CALTRANS, in conjunction with the USACE, has installed a large corrugated metal pipe culvert at the Interstate Highway 15-Murphy Canyon Creek crossing. This corrugated metal pipe culvert restricts the flood flow, thereby causing the upstream valley to act as a detention pond. This detention pond greatly reduces the peak flood flows downstream, and is wholly contained within the Miramar Naval Air Station."

Qualcomm Stadium parking lot can be flooded from Murphy Canyon Creek. Overflow from Murphy Canyon Creek breaks out of the channel in an area north of the parking lot shown as Zone A on the FIRM, and comingles with overflow from the San Diego River in the parking lot. This flooding also affects the tank farm located between Friars Road, I-15, and San Diego Mission Road.

Murray Canyon Creek

Based on the San Diego County 2012 FIS, Murray Canyon Creek watershed encompasses approximately 3.93 square miles, measured to its mouth at the San Diego River. Murray Canyon Creek enters Mission Valley Community from the north, along Mission Center Road, in an existing underground culvert. Murray Canyon Creek flows through Mission Valley Community for approximately 1 mile, mostly in the existing culvert system, before it confluences with (flows into) the San Diego River. The entrance to the culvert system is just north of Sevan Court, off Mission Center Road, approximately 1,200 feet upstream of Mission Valley Community boundary. The culvert system that starts at Sevan Court daylights (outlets) in a low point just upstream of Friars Road, near SR-163. Murray Canyon Creek then immediately enters another existing underground culvert under Friars Road, which outlets downstream of Friars Road at the west side of Hazard Center Mall. From the Friars Road culvert outlet, an existing open channel with rock bank protection continues between Hazard Center Mall and SR-163 to the westerly terminus of Hazard Center Drive. Existing CMP culverts under Hazard Center Drive connect Murray Canyon Creek to the San Diego River.

FEMA Flood Zones for Murray Canyon Creek within Mission Valley are Zone AE and Zone X (shaded). Flooding from Murray Canyon Creek can occur when storm events greater than the existing culvert capacity cause breakouts at the culvert entrances. Floodwater that cannot enter the culvert at Sevan Court flows over Mission Center Road, which carries the overflow to the San Diego River. This is shown as Zone X (shaded) on Mission Center Road north of Friars Road on the FIRM Panel. While the FIRM Panels indicate the 1% annual chance flood discharge is contained by the culvert, any obstruction to the culvert entrance could cause breakouts. Breakouts can also occur at Friars Road, where the long culvert system from Sevan Drive daylights upstream of the Friars Road culvert entrance. Floodwater that cannot enter the Friars Road culvert will overtop Friars Road between SR-163 and Frazee Road. The portion of Friars Road affected by flooding from Murray Canyon Creek is shown as Zone AE on the FIRM Panel.

3.0 EXISTING WATER QUALITY CONDITIONS

San Diego River and the Pacific Ocean at San Diego River mouth are the "receiving waters" for storm water runoff from Mission Valley. The quality of storm water runoff from Mission Valley Community directly impacts the quality of the receiving waters. However, San Diego River watershed is much greater than the community of Mission Valley, so the San Diego River and the Pacific Ocean at San Diego River mouth are also impacted by the quality of storm water runoff from other communities of the City of San Diego, and other jurisdictions (El Cajon, La Mesa, Santee, and County of San Diego). Because of this, this Section is organized to discuss (1) local surface runoff, and (2) receiving water quality, which is a watershed-wide matter.

Local ("On-Site") Storm Water Quality

Mission Valley Community is mostly developed and is highly impervious. Land uses include a mixture of residential, commercial business, industrial uses, governmental agencies / institutional, recreational, park, open spaces, and transportation. Typical pollutants that can be expected from these land uses include sediment, nutrients, heavy metals, organic compounds, trash and debris, oxygen demanding substances, oil and grease, bacteria and viruses, and pesticides. Because storm water runoff originating in Mission Valley Community is conveyed to the receiving waters in streets and storm drain systems with little to no opportunity for infiltration, all of the pollutants in runoff originating from existing development in Mission Valley Community can be expected to be conveyed to the receiving water. The only exception would be storm water runoff from industrial sites that have implemented best management practices (BMPs) required by the Industrial General Permit[2] or individual waste discharge requirements (WDRs) issued by the California Regional Water Quality Control Board San Diego Region (SDRWQCB), or from development projects constructed since the City of San Diego adopted the Storm Water Standards Manual, requiring certain development projects

[2] California State Water Resources Control Board Order NPDES No. CAS000001, National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Industrial Activities

classified as "Priority Development Projects" (PDPs) to include permanent post-construction best management practices (BMPs) that treat storm water runoff prior to discharge from the project. The majority of existing development in Mission Valley Community was established prior to adoption of storm water regulations requiring protection and treatment of storm water runoff. Therefore, there are few existing BMPs for protection of storm water runoff quality.

All of the pollutants identified above are detrimental to receiving water quality and need to be addressed. Storm water runoff pollution can be addressed by implementing a variety of BMPs, including source control, site design (low impact development or LID), and structural BMPs. Further information about BMP requirements is presented in Section 4 of this report.

Certain pollutants are particularly significant because the receiving waters are known to be impacted by the pollutant. This means that the City of San Diego must implement programs to directly address these pollutants. Priority pollutants are identified below under Receiving Water Quality.

Receiving Water Quality

303(d) List of Impaired and Threatened Waters and TMDLs

Under Section 303(d) of the 1972 Clean Water Act, all states are required to develop a list of impaired and threatened waters (stream/river segments, lakes) for which the required pollution controls are not sufficient to attain or maintain applicable water quality standards. The states then develop an action plan called Total Maximum Daily Loads (TMDLs) to improve water quality. A TMDL is a quantitative assessment of water quality problems, and it represents the maximum amount of the pollutant of concern that a waterbody can receive and still attain water quality standards. The states establish priorities for development of TMDLs based on the severity of the pollution and the sensitivity of the uses to be made of the waters, among other factors.

The receiving waters in or downstream of Mission Valley Community that are listed as impaired based on the current (2010) 303(d) List are:

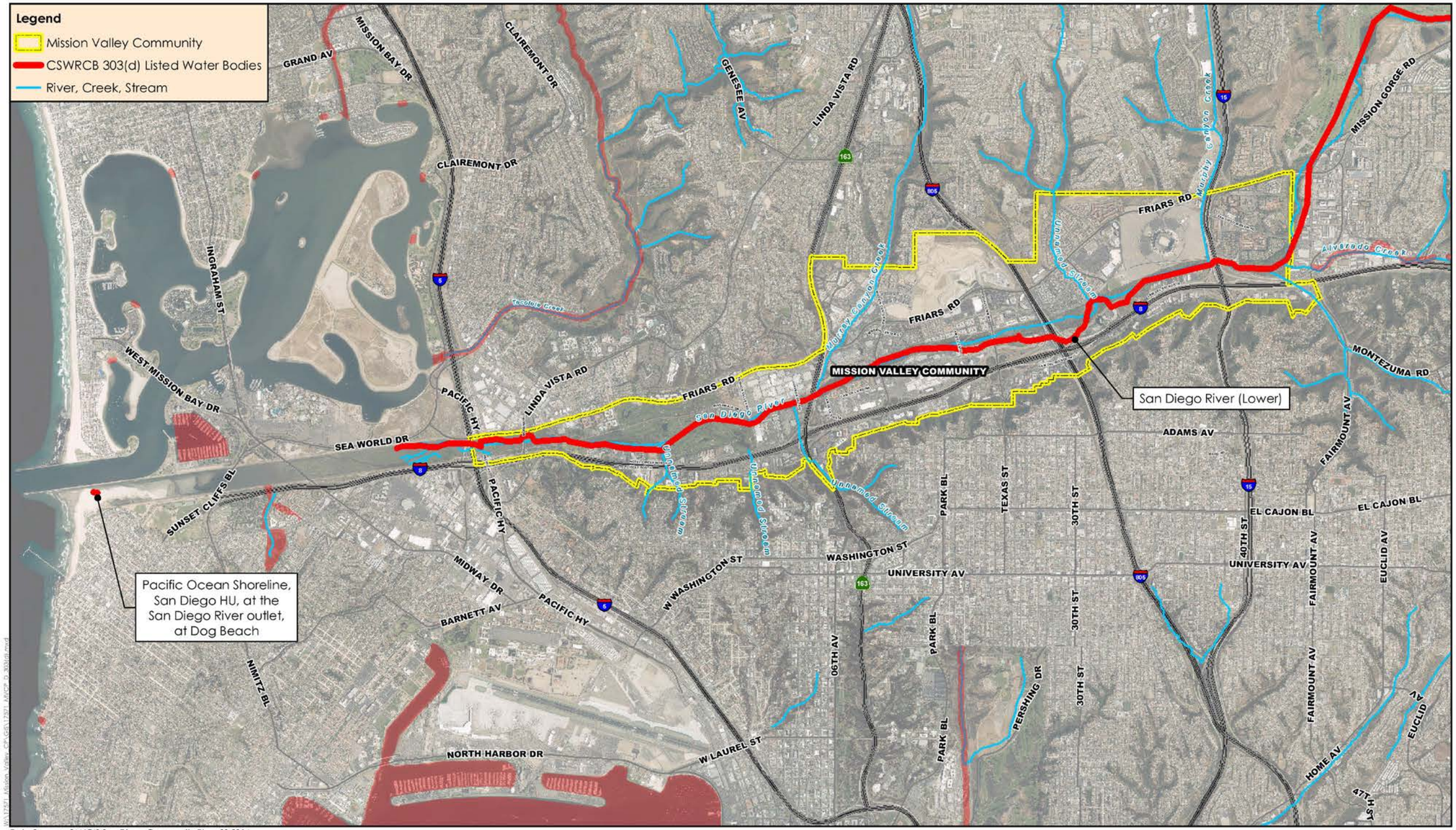
- San Diego River (Lower) – The pollutants/stressors causing impairment are enterococcus, fecal coliform, low dissolved oxygen, manganese, nitrogen, phosphorus, total dissolved solids, and toxicity.
- Pacific Ocean Shoreline, San Diego Hydrologic Unit (HU), at the San Diego River outlet, at Dog Beach –The pollutants/stressors causing impairment are enterococcus and total coliform.

Figure 6 provides a map showing the California State Water Resources Control Board, 303(d) Listed Water Bodies in Mission Valley Community. TMDLs have been established for enterococcus, fecal coliform, and total coliform for the Pacific Ocean Shoreline. TMDLs for other pollutants/stressors identified above have not been developed yet.

Water Quality Improvement Plan for the San Diego River

The City of San Diego and other agencies within the San Diego River watershed have collectively developed a Water Quality Improvement Plan for the San Diego River watershed[3] (San Diego River WQIP). As part of the development of the San Diego River WQIP, the agencies prepared an assessment of the impacts of storm drain discharges on receiving water quality that considers discharge prohibitions, available storm drain outfall data, locations, and discharge characteristics at storm drain outfalls to receiving waters. Based on these assessments, a list of priority water quality conditions was developed for the watershed, and the list was narrowed to identify the highest priority water quality condition. The highest priority water quality condition identified for the San Diego River watershed is bacteria, in both dry weather and wet weather conditions. Other priority water quality conditions are nitrogen and phosphorus, total dissolved solids, eutrophic conditions, and index of biological integrity in dry weather conditions.

[3] "San Diego River Watershed Management Area Water Quality Improvement Plan," submitted by City of El Cajon, City of La Mesa, City of San Diego, City of Santee, County of San Diego, and Caltrans, dated September 2015



Data Sources: SANGIS San Diego Community Plan, 08.2014
National Hydrology Dataset (NHD) Flowline, Date Range: 10.2001 - 03.2011
SWRCB 303(d) Impaired Water bodies list: 2010
Eagle Aerial Photo: 04.2013

Figure 6 – 303(d) Listed Water Bodies in Mission Valley Community

4.0 REGULATIONS, POLICIES AND PROGRAMS

This Section discusses existing policies and regulations that apply to drainage and water quality in the City of San Diego, based on the City of San Diego's Land Development Code. Any development project in Mission Valley will be subject to requirements and design criteria outlined in the City of San Diego's Land Development Code and the City of San Diego's Land Development Manual, which establishes development standards and guidelines used in the review of applications. Drainage, floodplain management, and storm water runoff management requirements applicable to all development projects are discussed below. At the end of this Section is a discussion of other permits and programs that may affect specific activities or project sites.

Drainage

Drainage design policies and procedures for the City of San Diego are given in the City of San Diego's "Drainage Design Manual," dated April 1984, which is incorporated in the Land Development Manual as Appendix B. Pursuant to the Drainage Design Manual, the basic objectives are to "collect, transmit and discharge drainage in a manner to promote public safety and provide for low maintenance by:

1. Calculating the amount and frequency of storm runoff.
2. Determining the natural points of concentration and discharge and other hydraulic controls.
3. Determining the necessity for protection from floating trash and from debris moving under water.
4. Determining the requirements for energy dissipation and slope protections.
5. Analyzing the deleterious effects of corrosive soils and waters on drain pipe and structures.
6. Minimizing scour and siltation of natural stream beds, canyons and lagoons.
7. Preventing the diversion of drainage.
8. Providing for public health and safety.

9. Preventing property damage.
10. Comparing and coordinating proposed design with existing structures and systems handling the same flows.
11. Coordinating with other agencies the proposed designs for facilities.
12. Providing access for maintenance operations.
13. Providing for removal of detrimental amounts of subsurface water.
14. Design of the most efficient drainage facilities consistent with good drainage practices and considering economic considerations, ease and economy of maintenance, safety, legal obligations and aesthetics."

Development standards and guidelines to meet the objectives listed above are provided in the Drainage Design Manual. Development project applications must include a drainage study that calculates the amount of runoff expected and demonstrates how the project design adheres to the Drainage Design Manual requirements. The City of San Diego will be responsible for reviewing hydrologic and hydraulic studies and design features for conformance to the Drainage Design Manual for every map or permit for which discretionary approval is sought from the City of San Diego.

Floodplain Management

The City of San Diego is a participating Community in the National Flood Insurance Program (NFIP) administered by FEMA. The NFIP is a Federal program enabling property owners in participating communities to purchase insurance protection against losses from flooding. As a participant in NFIP, the City of San Diego is responsible to institute adequate land use and development control measures for preventing and reducing property damage from flooding. In addition, the City has to ensure that projects within or fringing on a floodway or floodplain comply with FEMA regulations and requirements.

The City has adopted development regulations for Special Flood Hazard Areas (SFHAs) in the Land Development Code (Sections 143.0145 and 143.0146). Excerpt of these policies and regulations are included in Attachment B. Following is a summary:

- Within the floodway (the floodway is the hatched portion of Zone AE shown on the FIRM Panels in Attachment A): the regulations set limitations on land uses, structures, and channelization or other alteration of the river, and require passage of the base flood. Permanent structures are not allowed. Development in floodways (e.g., road crossing) shall be offset by improvements or modifications to enable the passage of a base flood.
- Within the flood fringe (the flood fringe is the non-hatched portion of Zone AE shown on the FIRM Panels in Attachment A): permanent structures and fill for permanent structures, roads, and other development are allowed if certain conditions are met.

A large portion of Mission Valley is designated Zone X with a Provisionally Accredited Levee (PAL) note. Zone X is not a Special Flood Hazard Area (Zone X is designated "Other Flood Areas"). Zone X would not typically be subject to the regulations for the flood fringe. However, because the levees are no longer accredited, the areas that were considered to be protected by the levees need to be studied for potential map revision. The designation could change from Zone X to Zone AE, which means the areas could be considered part of the flood fringe, and regulations applicable to the flood fringe would apply.

The City of San Diego will be responsible for reviewing development project designs for conformance to the floodplain management regulations for every map or permit for which discretionary approval is sought from the City of San Diego.

Storm Water Quality

The City of San Diego is a Copermittee under the Municipal Storm Water Permit[4] issued by the California Regional Water Quality Control Board, San Diego Region. As a Copermittee, the City of San Diego must implement several storm water management programs, including programs designed to control storm water discharges from development projects both during construction and on a permanent basis post-construction. The City of San Diego has adopted a "Storm Water Management and Discharge Control Ordinance" to address these requirements. The following discussion describes construction measures and permanent, post-construction measures (best management practices or "BMPs") that are required for development projects and must be considered from the start of project planning.

Requirements During Construction

During the construction or demolition phase, any project that results in land surface disturbances of 1 acre or greater, or results in land surface disturbances of less than 1 acre but is part of a larger common plan of development, will be subject to the requirements of the Construction General Permit[5]. Projects less than one acre in size and not part of a larger common plan of development are not subject to the requirements of the Construction General Permit. However, the City of San Diego has construction storm water requirements that apply to all development activities, including projects less than one acre in size. Projects greater than one acre are required to prepare and implement a Construction Storm Water Pollution Prevention Plan (SWPPP) which identifies the pollution prevention measures that will be implemented during construction. Projects less than one acre are required to prepare and implement a Water Pollution Control Plan (WPCP) which identifies the pollution prevention measures that will be implemented

[4] SDRWQCB Order No. R9-2013-0001, "National Pollutant Discharge Elimination System (NPDES) Permit And Waste Discharge Requirements for Discharges from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds Within The San Diego Region, NPDES Permit No. CAS 0109266"

during construction. The City of San Diego's Storm Water Standards Manual provides guidance for compliance with these requirements and minimum BMPs to prevent discharges of pollutants associated with construction activity.

Based on the Storm Water Standards Manual, the major construction BMP categories are:

1. Project Planning;
2. Good Site Management "Housekeeping", including Waste Management;
3. Non Storm Water Management;
4. Erosion Control;
5. Sediment Control;
6. Run-on and Run-off Control; and
7. Active/Passive Sediment Treatment Systems, where applicable.

Permanent, Post-Construction BMP Requirements

The City of San Diego implements the permanent, post-construction BMP requirements for development projects through their "Storm Water Standards Manual." As described in the Storm Water Standards Manual, all development projects must include site design and source control BMPs. Certain projects that meet size thresholds defined in the Municipal Storm Water Permit are considered "priority development projects" (PDPs) (size threshold is typically 10,000 square feet of new impervious area for new development projects or 5,000 square feet of newly created and/or replaced impervious area for redevelopment projects, but may be lower, e.g., as low as 2,500 square feet, for some land uses or locations). All PDPs must implement structural BMPs for pollutant control in addition to the required site design and source control BMPs. Some PDPs must also implement structural BMPs for flow control (control of hydromodification, or erosion of receiving waters downstream of the project) depending on the receiving water that the project drains to.

[5] SWRCB Order No. 2009-0009-DWQ, "National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated With Construction and Land Disturbance Activities, NPDES Permit No. CAS000002"

Site design requirements are qualitative requirements that apply to the layout and design of all development project sites. Site design performance standards define minimum requirements for how a site must incorporate low impact development (LID) BMPs, including the location of BMPs and the use of integrated site design practices. The following site design practices must be implemented at all development projects, where applicable and technically feasible:

(a) Maintenance or restoration of natural storage reservoirs and drainage corridors (including topographic depressions, areas of permeable soils, natural swales, and ephemeral and intermittent streams)[6];

(b) Buffer zones for natural water bodies (where buffer zones are technically infeasible, require project applicant to include other buffers such as trees, access restrictions, etc.);

(c) Conservation of natural areas within the project footprint including existing trees, other vegetation, and soils;

(d) Construction of streets, sidewalks, or parking lot aisles to the minimum widths necessary, provided public safety is not compromised;

(e) Minimization of the impervious footprint of the project;

(f) Minimization of soil compaction to landscaped areas;

(g) Disconnection of impervious surfaces through distributed pervious areas;

(h) Landscaped or other pervious areas designed and constructed to effectively receive and infiltrate, retain and/or treat runoff from impervious areas, prior to discharging to the MS4;

(i) Small collection strategies located at, or as close as possible to, the source (i.e. the point where storm water initially meets the ground) to minimize the transport of runoff and pollutants to the MS4 and receiving waters;

(j) Use of permeable materials for projects with low traffic areas and appropriate soil conditions;

(k) Landscaping with native or drought tolerant species; and

(l) Harvesting and using precipitation.

Source control BMPs are features that must be implemented to address specific sources of pollutants. The following source control BMPs must be implemented at all development projects where applicable and feasible:

(a) Prevention of illicit discharges into the MS4;

(b) Storm drain system stenciling or signage;

(c) Protection of outdoor material storage areas from rainfall, run-on, runoff, and wind dispersal;

(d) Protection of materials stored in outdoor work areas from rainfall, run-on, runoff, and wind dispersal;

(e) Protection of trash storage areas from rainfall, run-on, runoff, and wind dispersal; and

(f) Use of any additional BMPs determined to be necessary by the City to minimize pollutant generation at each project.

Structural BMPs for pollutant control are permanent features that are designed to remove pollutants from storm water by measures such as retention, biofiltration, and/or flow-thru treatment by filtration or other pollutant removal mechanism. All PDPs must include structural BMPs for pollutant control. The standard for pollutant control is retention of storm water (intercept, store, infiltrate, evaporate, evapotranspire, or use storm water onsite). All PDPs must determine the feasibility to retain storm water onsite. If retention is infeasible, biofiltration of storm water runoff is required. If biofiltration is infeasible, storm water runoff must be treated by flow-thru BMPs (e.g., filtration BMPs), and the project must implement an offsite structural BMP to retain or biofilter storm water in another location in addition to implementing the onsite flow-thru treatment measures.

Structural BMPs for flow control (control of hydromodification) are permanent features that store runoff and control the outflow to mimic pre-development flow rates for a range of storm events. Structural BMPs for flow control are typically larger than structural BMPs for pollutant control and will dictate design elements in locations where

[6] Development projects proposing to dredge or fill materials in waters of the U.S. must obtain a Clean Water Act Section 401 Water Quality Certification. Projects proposing to dredge or fill waters of the state must obtain

downstream channels are susceptible to erosion from increases in storm water runoff discharge rates and durations. Typically in Mission Valley, storm water discharges are direct to the San Diego River, which is exempt from requirements for hydromodification management. However, if storm water is discharged to any other unlined channel prior to reaching the San Diego River, structural BMP requirements for flow control will apply.

The City of San Diego will be responsible for reviewing development project designs for conformance to the storm water management regulations for every map or permit for which discretionary approval is sought from the City of San Diego. Implementation of these requirements is one element of the City of San Diego's compliance with TMDL requirements and strategies for improving water quality under the San Diego River WQIP.

Other Permits

In addition to the requirements described above, other permits may be applicable to specific activities or project sites.

Industrial Storm Water Permit

Industrial facilities are subject to the requirements of the Industrial General Permit[7]. This general permit applies to operation of industrial facilities associated with nine broad categories of industrial activities. The Industrial General Permit requires the implementation of storm water management measures and development of a Storm Water Pollution Prevention Plan (SWPPP). This general permit may be reissued several times during the life of the Mission Valley Community Plan.

waste discharge requirements.

[7] California State Water Resources Control Board Order NPDES No. CAS000001, National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Industrial Activities

Temporary Groundwater Extraction

Groundwater extraction discharges to surface waters within the San Diego Region are subject to waste discharge requirements for groundwater extraction discharge[8]. Examples of activities covered under this general permit include discharge of groundwater to lower groundwater levels or pressures, control or eliminate groundwater seepage or leakage, stabilize slopes and other earth structures, construction and foundation dewatering, trench and ditch dewatering projects, monitoring wells, tank removal projects, groundwater remediation projects, permanent groundwater drainage and seepage control and other similar activities. This general permit may be reissued several times during the life of the Mission Valley Community Plan.

Alterations to Channels

Alteration to the channel of the San Diego River, Alvarado Creek, Murphy Canyon Creek, Murray Canyon Creek, or other channels would require permits issued at many levels from federal, state, and local agencies including Section 404 (of the Clean Water Act) Permit from the United States Army Corps of Engineers, Section 401 Water Quality Certification from the SDRWQCB, and several agreements and certifications from other agencies that are required as part of the Section 404 and/or Section 401 permitting process, including documentation and review under the California Environmental Quality Act (CEQA), as needed, project by project basis.

Other Programs

There are also other programs that either regulate or present guidelines and recommendations that affect urban runoff management or floodplain management in the Mission Valley Community.

[8] SDRWQCB Order No. R9-2015-0013, NPDES No. CAG919003, "General Waste Discharge Requirements for Groundwater Extraction Discharges to Surface Waters within the San Diego Region"

First San Diego River Improvement Project (FSDRIP) and Natural Resources Management Plan (NRMP) for FISDRIP

The First San Diego River Improvement Project (FSDRIP) Specific Plan was intended to implement and maintain a 100-year flood control channel, replant and permanently preserve natural riparian and upland habitat, and provide an urban corridor for transportation and recreation along approximately 7000 feet (~ 1.3 mile) of the San Diego River from Qualcomm Way (west of I-805) to SR-163, an area that covers approximately 45 acres.

U.S. Army Corps of Engineers implemented the flood control measures by reconfiguring the existing floodway, narrowing and deepening the floodway (by dredging the floodway by a depth of approximately 2 feet), and providing ponds for retention during storm events. The channel then was revegetated by a selection of indigenous native plants, which are required to be maintained in perpetuity within the limits of FSDRIP. The project was completed in 1988.

On February 2, 2004, the City of San Diego adopted "Natural Resources Management Plan (NRMP) for FSDRIP" to provide for the future protection and sustainable management of the natural resources within FSDRIP, pursuant to the Army Corps of Engineers' permit and conditions. The NRMP is the operational document for maintenance and management of FSDRIP and is consistent with the Mission Valley Community Plan (1985). The City of San Diego's Parks and Recreation Department is responsible for NRMP implementation.

Adjacent developments and maintenance activities must follow management and maintenance guidelines outlined in NRMP. Any activity which might result in habitat disturbance must follow mitigation restoration guidelines in NRMP. Other guidelines that would apply to development projects include fencing of FSDRIP limits during construction on adjacent properties, replanting of disturbed areas with appropriate native

plant species, and limited passive recreation use which excludes swimming, boating, hunting, and other active recreational activities within FSDRIP limits.

City of San Diego General Plan

The City of San Diego's General Plan, "City of San Diego General Plan," presents goals and policies for storm water infrastructure in the "Public Facilities, Services, and Safety Element (PF)" section of the Plan, and for floodplain management and urban runoff management in the "Conservation Element (CE)" section of the Plan. Mission Valley Planned District Ordinance is located in Chapter 15, Article 14, Division 1 through 4. Relevant excerpts from the General Plan are included in Attachment C.

City of San Diego, San Diego River Park Master Plan

The City of San Diego has adopted "San Diego River Park Master Plan" in Resolution No. R-308196, on May 20, 2013. This document provides recommendations and guidelines to be considered when updating the Community Plans for the communities along the San Diego River, and is the primary policy document for land use policies along and adjacent to San Diego River. The design guidelines apply to the River Corridor Area and the River Influence Area only. The River Corridor Area is the 100-year Floodway (as mapped by the Federal Emergency Management Agency, FEMA), plus 35 feet on both sides of the floodway to accommodate a pathway corridor. The River Influence Area extends 200 feet beyond the River Corridor Area on both sides of the river. An excerpt of San Diego River Park Master Plan is included in Attachment D.

San Diego River Water Quality Improvement Plan

The San Diego River WQIP[9] identifies strategies that the City will implement for improving water quality for the San Diego River watershed. For development projects, compliance with the City of San Diego's Storm Water Standards Manual provides consistency with WQIP strategies. For some development projects, if onsite compliance with permanent, post-construction structural BMP requirements for retention or biofiltration of runoff is not feasible, offsite alternative compliance will be required.

The San Diego River Watershed Management Area Analysis (WMAA), an element of the WQIP, identifies candidate projects that could potentially be used as offsite alternative compliance options in lieu of satisfying full onsite retention or biofiltration structural BMP requirements. Prior to implementing these candidate projects the project stakeholders must demonstrate that implementing such a candidate project would provide greater overall benefit to the watershed than requiring implementation of the onsite structural BMPs. WMAA is also intended to identify and/or prioritize areas where it is appropriate to allow certain exemptions from onsite hydromodification management BMPs. The WMAA provides the analysis that supports the exemption to hydromodification management BMPs for development projects that drain directly to the San Diego River.

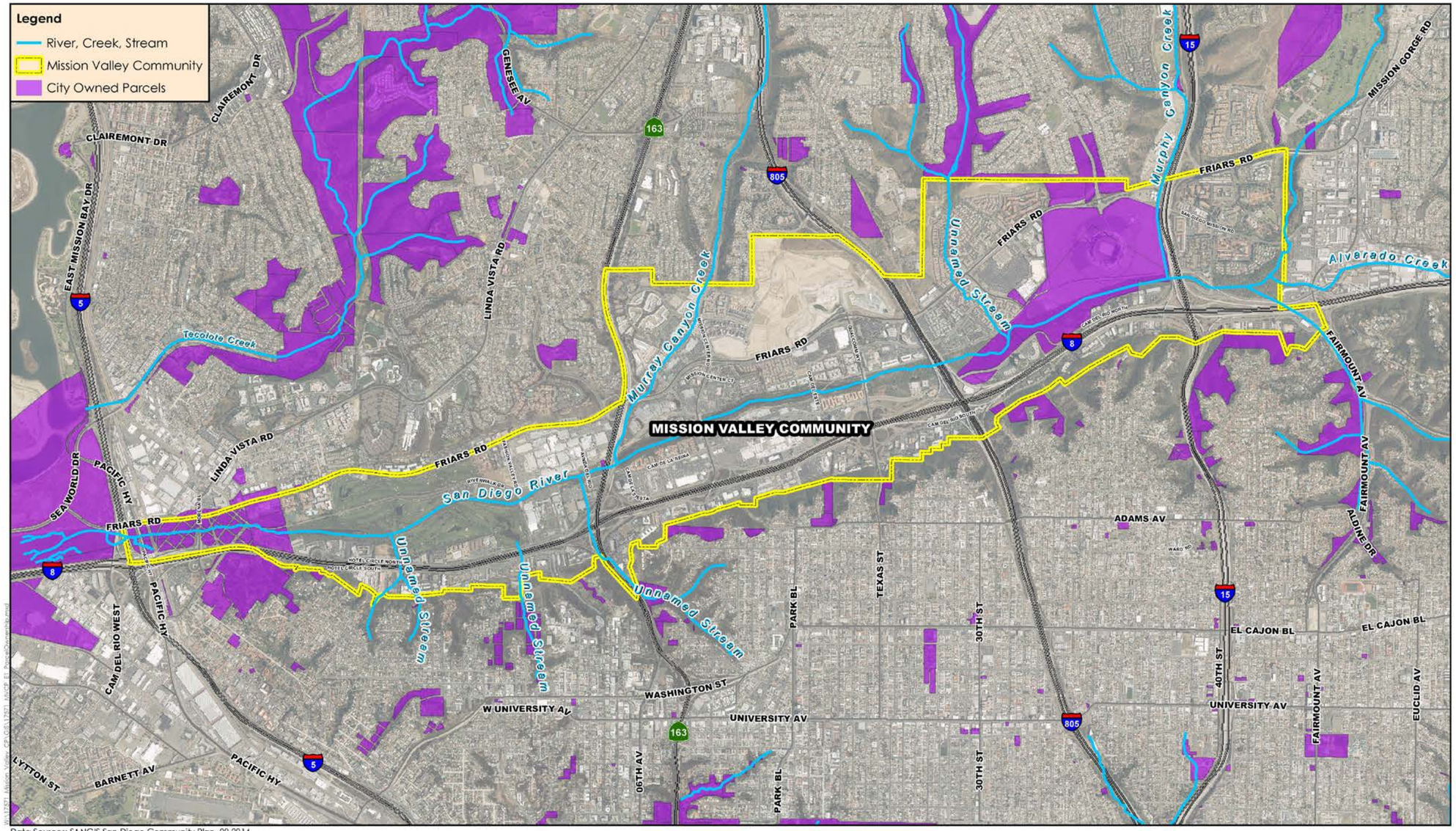
[9] "San Diego River Watershed Management Area Water Quality Improvement Plan," submitted by City of El Cajon, City of La Mesa, City of San Diego, City of Santee, County of San Diego, and Caltrans, dated September 2015

5.0 DEVELOPMENT CONSTRAINTS FOR CITY OWNED PROPERTIES

Figure 7 provides an exhibit showing City-owned parcels within Mission Valley Community.

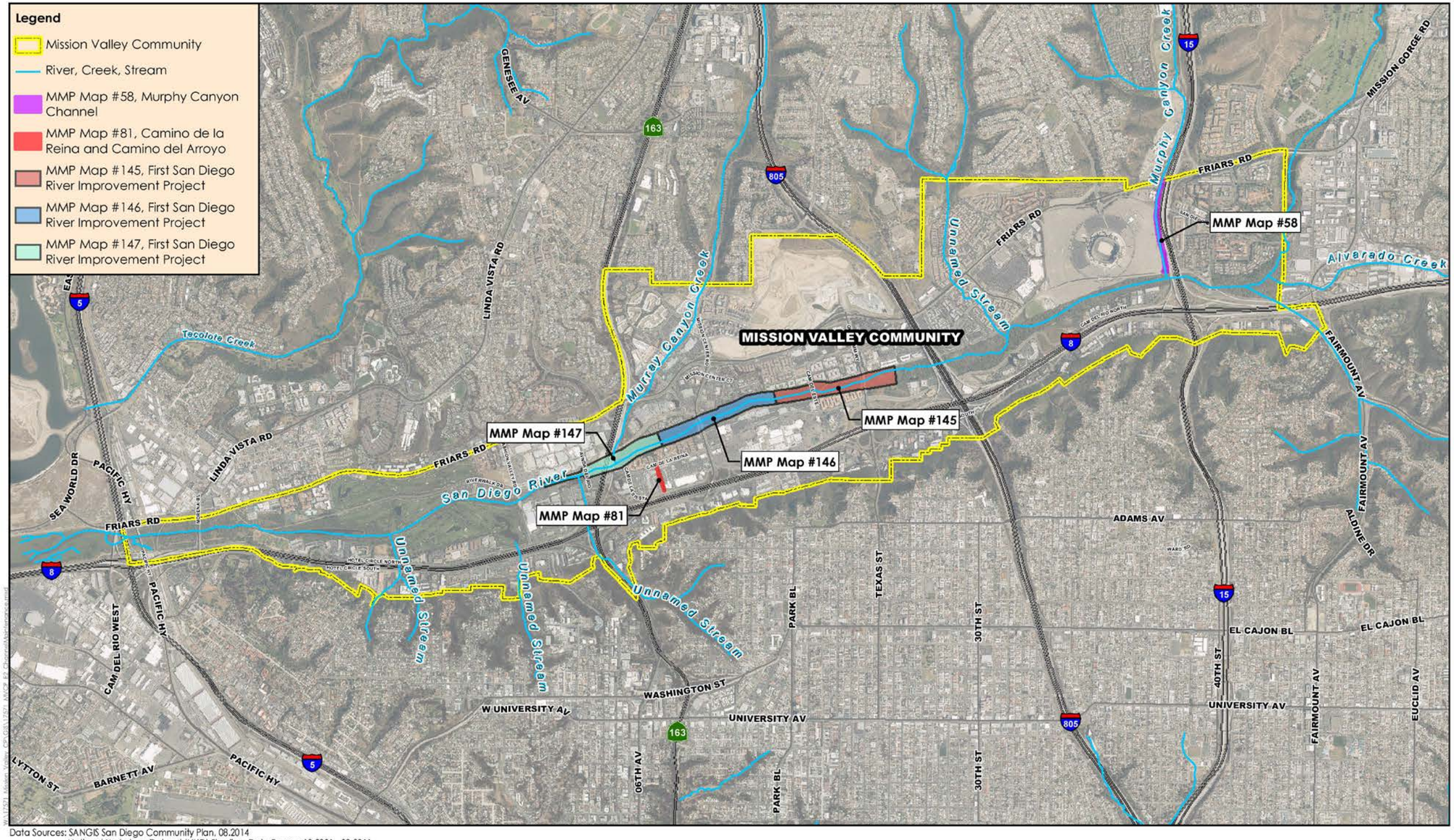
Many of the City-owned parcels are within the SFHA identified by the FEMA flood maps. The floodway portion of the SFHA must be reserved to allow passage of the 100-year flood. Land uses are restricted and development in floodways (e.g., road crossing) shall be offset by improvements or modifications to enable the passage of a base flood. Within the flood fringe (portion of the SFHA outside the floodway), permanent structures and fill for permanent structures, roads, and other development are allowed if certain conditions are met to protect from flooding. The City of San Diego may require approval of a Conditional Letter of Map Revision (CLOMR) from FEMA before construction or development begins within any Special Flood Hazard Area (SFHA). If the hydrologic and hydraulic analysis for CLOMR is approved by FEMA, this conditional letter informs the public that when the project is completed, it will qualify for a LOMR (Letter of Map Revision). A LOMR will still be required to officially change the NFIP map. The study for the development project must provide Base Flood Elevations (BFEs), floodway delineation and inclusion of other data needed to ensure that the building sites will be reasonably safe from flooding, and also that the proposed development does not increase the flood hazard on other properties. The City of San Diego also has regulation for required freeboard to ensure that the buildings are elevated above the BFE.

One City-owned property south of Fashion Valley Mall is within FSDRIP. The City-owned property within FSDRIP is subject to deed restriction and maintenance regulations by FSDRIP NRMP. Figure 8, “Storm Water Channels in the City of San Diego Master Storm Water System Maintenance Program (MMP), October 2011” shows the location of FSDRIP maintenance areas.



Data Sources: SANGIS San Diego Community Plan, 08.2014
National Hydrology Dataset (NHD) Flowline, Date Range: 10.2001 - 03.2011
SANGIS Assessor Parcels, 08.2015
Eagle Aerial Photo: 04.2013

Figure 7 – City-Owned Parcels within Mission Valley Community



Data Sources: SANGIS San Diego Community Plan, 08.2014
National Hydrology Dataset (NHD) Flowline, Date Range: 10.2001 - 03.2011
City of San Diego, Master Storm Water System Maintenance Program, 10.2011
Eagle Aerial Photo: 04.2013

Figure 8 – Storm Water Channels in the City of San Diego Master Storm Water System Maintenance Program (MMP), October 2011

ATTACHMENT A

ATTACHMENT A.1: Annotated FIRMs

ATTACHMENT A.2: Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) Floodplain and Floodway

ATTACHMENT A.1: Annotated FIRMs

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was provided in digital format by the USDA National Agriculture Imagery Program (NAIP). this information was photogrammetrically compiled at a scale of 1:24,000 from aerial photography dated 2009.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-877-FEMA MAP (1-877-336-2627) for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

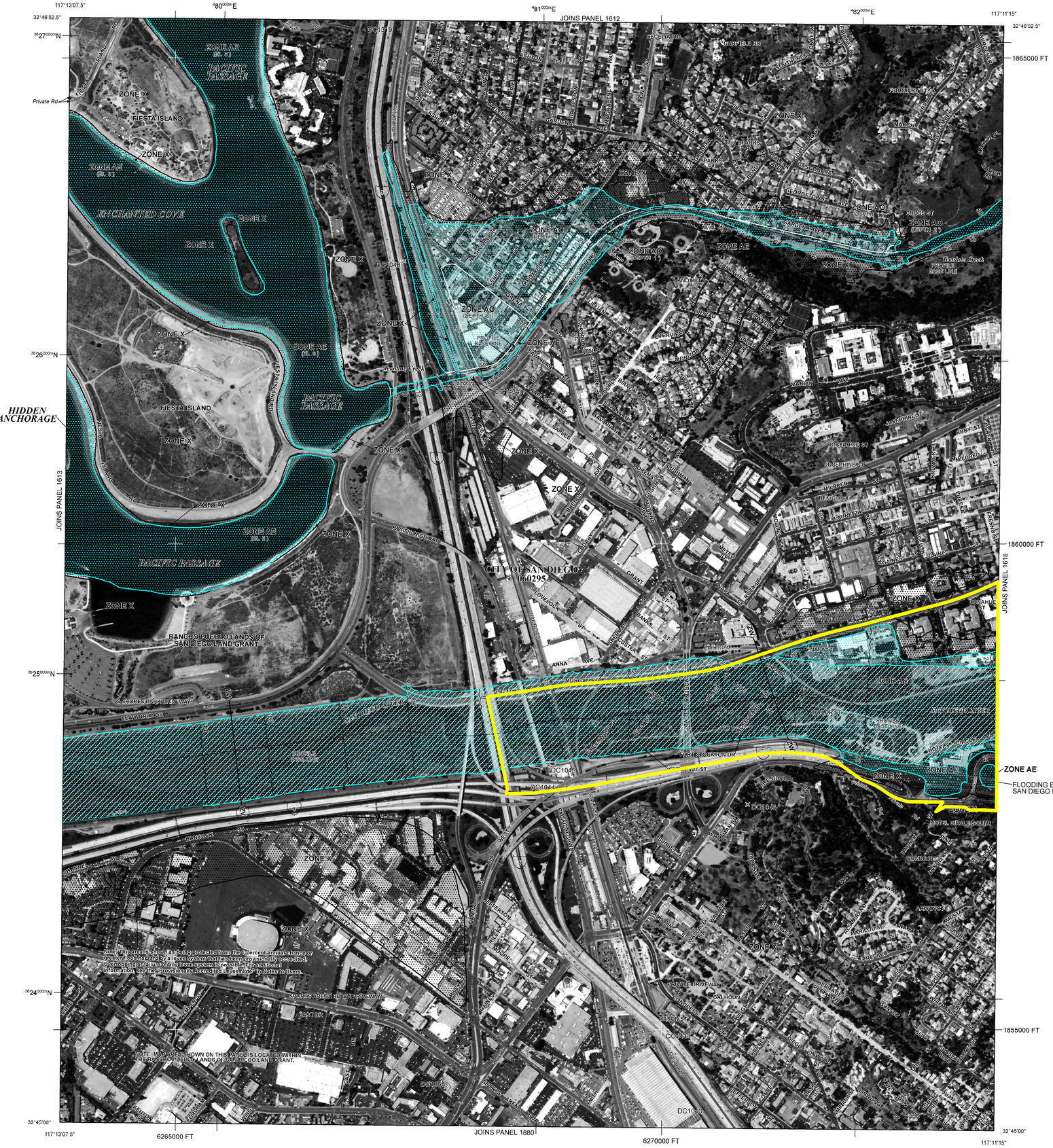
If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

The **"profile base lines"** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

Provisionally Accredited Levee Notes to Users: Check with your local community to obtain more information, such as the estimeated level of protection provided (which may exceed the 1-percent-annual chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations by July 23, 2009. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicate the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http://www.fema.gov/business/nfip/index/.shtm.

Legend

Mission Valley Community



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
513 — Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*
* Referenced to the North American Vertical Datum of 1988
A — A — Cross section line
23 — 23 — Transect line
97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4275000mE — 1000-meter Universal Transverse Mercator grid ticks, zone 11
6000000 FT — 5000-foot grid values: California State Plane coordinate system, Zone VI (FIPSZONE = 406), Lambert projection
DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
June 19, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
May 16, 2012 – to update corporate limits, to add roads and road names, to incorporate previously issued Letters of Map Revision, and to update map elevations to North American Vertical Datum of 1988.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET
150 0 150 300 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1614G

FIRM

FLOOD INSURANCE RATE MAP

SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1614 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SAN DIEGO, CITY OF	060295	1614	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 06073C1614G

MAP REVISED MAY 16, 2012

Federal Emergency Management Agency

NOTES TO USERS

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Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242** or visit its website at http://www.ngs.noaa.gov/.

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This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

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Contact the **FEMA Map Service Center** at 1-877-FEMA MAP (1-877-336-2627) for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov/.

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The **"profile base lines"** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the "profile base line", in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

Legend

Mission Valley Community


117°09'22.5"
32°48'45"
117°07'30"
32°46'52.5"
JOINS PANEL 1610
JOINS PANEL 1616
JOINS PANEL 1636
JOINS PANEL 1619
1875000 FT
1870000 FT
6285000 FT
6290000 FT
1% ANNUAL CHANCE FLOOD DISCHARGE CONTAINED IN CULVERT
PRIVATE DRIVEWAY
MONTGOMERY FIELD (CITY AIRPORT)
CITY OF SAN DIEGO 060295
CARROLL CANYON CHANNEL
Murphy Canyon Creek
MISSION RANCHO SAN DIEGO LAND GRANT
RANCHO PUEBLO LANDS OF SAN DIEGO LAND GRANT
ZONE A
ZONE AE
ZONE X
ZONE MODIFIED BY LOMR(S) LOCATED WITHIN THE UNINCORPORATED AREAS OF SAN DIEGO LAND GRANT
LIMIT OF DETAILED STUDY
PROPOSED
FRONTAGE RD
CARROLL CANYON RD
MIRA MESA BLVD
MISSION VALLEY RD
RUFFIN RD
CAMINO DEL RIO NORTH
CAMINO DEL RIO SOUTH
HARMARSH ST
ROSE ST
STALMER DR
GILLETT ST
BALTIC ST
DENISE AVE
DENNIS AVE
JEAN AVE
VISTA HILL AVE
TOMMINGBIRD LN
MORNING DR
BIRMINGHAM DR
PINE CREST AVE
GERALDINE AVE
PORTLAND AVE
FIRESIDE CT
CELESTINE AVE
SOMERSET AVE
SHANTILLY AVE
ZENCARO AVE
HARBOAT AVE
TENAYA AVE
GLENEAGLE WAY
GLENEAGLE DR
GLENEAGLE CT
TUBONNET ST
EASEL ST
CENSUS ST
GLENHAVEN ST
WALSTED ST
WAINWRIGHT DR
HURLBUT ST
HURLBUT PL
DAHLGREN ST
CARROLL NAVAL HOUSING
EDWARD CURTIS ST
LARKDALE AVE
LARKDALE CT
SLOSTROM WAY
GRATELAW
WAGAWN AVE
NEVA AVE
ALASKA AVE
ROSE WAY
CHARLOTTE WAY
CHARLOTTE DR
CHARLOTTE CT
CHARLOTTE PL
CHARLOTTE AVE
CHARLOTTE LN
CHARLOTTE CIR
CHARLOTTE TER
CHARLOTTE WAY

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Provisionally Accredited Levee Notes to Users: Check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection for areas on this panel. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations by July 23, 2009. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicate the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http://www.fema.gov/business/nfip/index.shtm.

Legend

Mission Valley Community



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
- 513 (EL 987) — Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- A — A — Cross section line
- 23 — 23 — Transect line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4675000mE — 1000-meter Universal Transverse Mercator grid ticks, zone 11
- 6000000 FT — 5000-foot grid values: California State Plane coordinate system, Zone VI (FIPSZONE = 406), Lambert projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
June 19, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
May 16, 2012 – to update corporate limits, to add roads and road names, to incorporate previously issued Letters of Map Revision, and to update map elevations to North American Vertical Datum of 1988.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET
150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1618G

FIRM

FLOOD INSURANCE RATE MAP

SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1618 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SAN DIEGO, CITY OF	060295	1618	G

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MAP NUMBER
06073C1618G

MAP REVISED
MAY 16, 2012

Federal Emergency Management Agency

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Silver Spring, Maryland 20910-3282
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Legend

Mission Valley Community



LEGEND

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EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
June 19, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
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250 0 250 500 750 1,000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1619G

FIRM

FLOOD INSURANCE RATE MAP

SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1619 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SAN DIEGO, CITY OF	060295	1619	G

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MAP NUMBER
06073C1619G

MAP REVISED
MAY 16, 2012

Federal Emergency Management Agency

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NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

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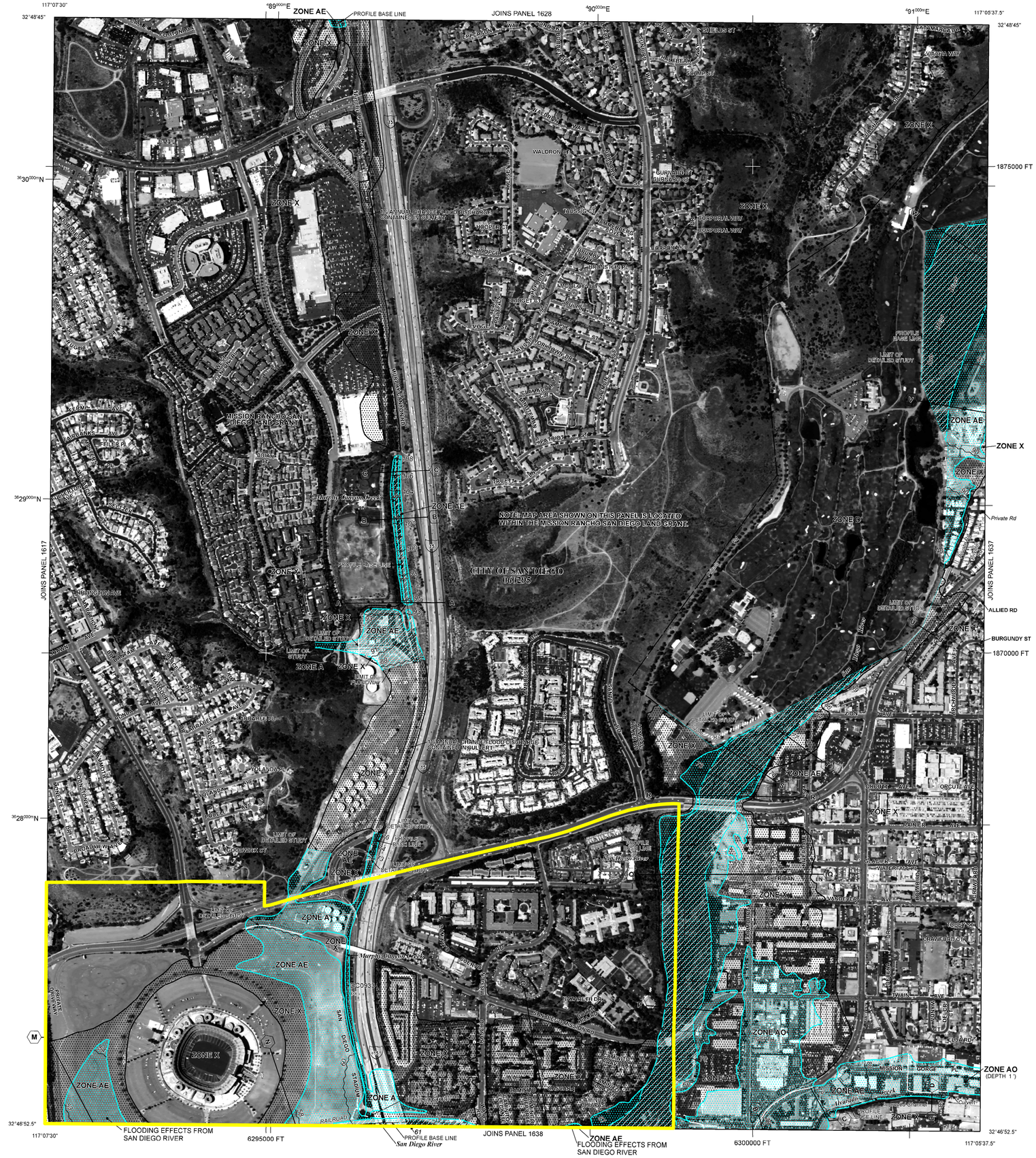
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If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip/.

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Legend

Mission Valley Community



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
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ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

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FLOOD INSURANCE RATE MAP
June 19, 1997

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
June 16, 1999

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MAP SCALE 1" = 500'

250 0 250 500 750 1,000 FEET
150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1636H

FIRM

FLOOD INSURANCE RATE MAP

SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1636 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SAN DIEGO, CITY OF	060295	1636	H

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06073C1636H

MAP REVISED
MAY 16, 2012

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

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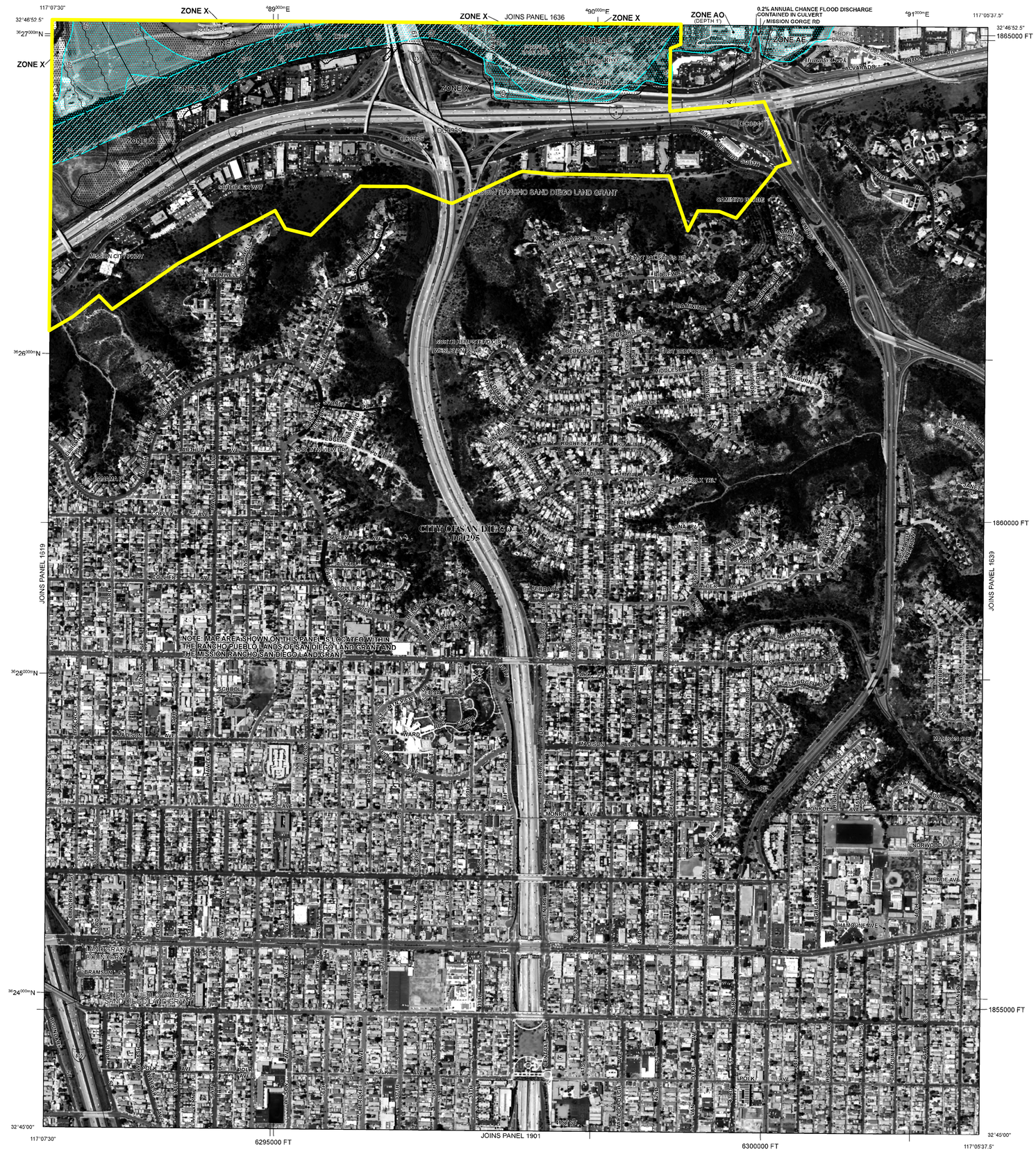
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Mission Valley Community



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NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1638H

FIRM

FLOOD INSURANCE RATE MAP

SAN DIEGO COUNTY, CALIFORNIA AND INCORPORATED AREAS

PANEL 1638 OF 2375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SAN DIEGO, CITY OF	060295	1638	H

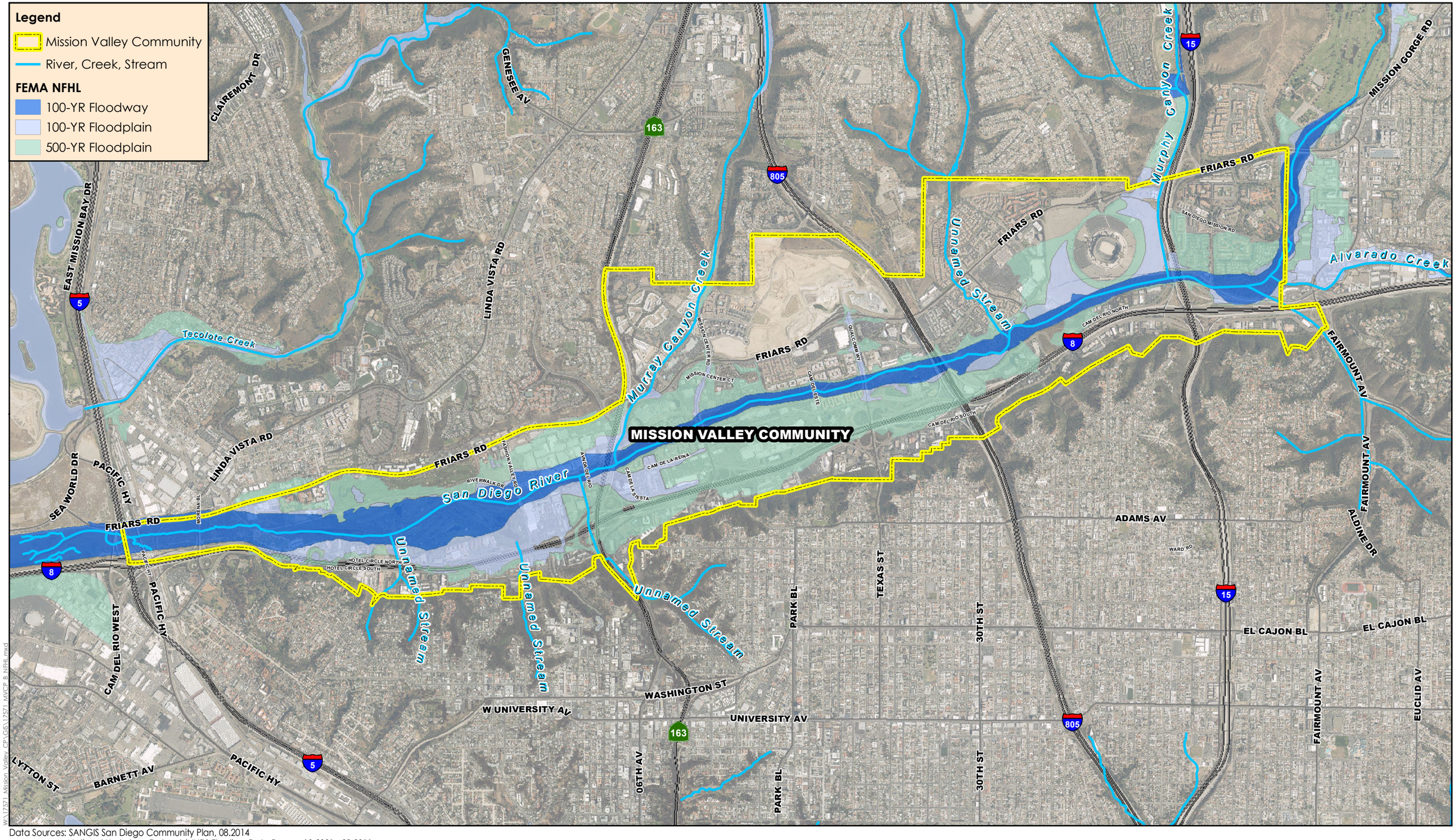
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MAP NUMBER
06073C1638H

MAP REVISED
MAY 16, 2012

Federal Emergency Management Agency

ATTACHMENT A.2: Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) Floodplain and Floodway



Data Sources: SANGIS San Diego Community Plan, 08.2014
National Hydrology Dataset (NHD) Flowline, Date Range: 10.2001 - 03.2011
FEMA National Flood Hazard Layer (NFHL), 06.2014
Eagle Aerial Photo: 04.2013

RICK ENGINEERING COMPANY

Scale in Feet
0 2,400 4,800
North

Date of Exhibit: 10.02.2015

Mission Valley Community Plan

B – Federal Emergency Management Agency (FEMA), National Flood Hazard Layer (NFHL) Floodplain and Floodway

J-17571

W:\17571 Mission Valley CP\GIS\17571 MVCP B_NFHL.mxd

ATTACHMENT B

Excerpts from City of San Diego Municipal Code

§142.0134 Retaining Walls

Retaining walls shall comply with the height limits and construction material requirements in Chapter 14 Article 2, Division 3 (Fence Regulations).
(Retitled from "Retaining Walls and Structurally Enhanced Fill" and amended 1-9-2001 by O-18910 N.S.; effective 8-8-2001.)

§142.0135 Grading Within the *Special Flood Hazard Area*

Grading within the *Special Flood Hazard Area* shall comply with Chapter 14, Article 2, Division 2 (Drainage Regulations) and Chapter 14, Article 3, Division 1 (Environmentally Sensitive Lands Regulations).
(Amended 4-22-2002 by O-19051 N.S.; effective 10-8-2002.)

§142.0144 Grading Within Environmentally Sensitive Lands

Grading within *environmentally sensitive lands* shall comply with Chapter 14, Article 3, Division 1 (Environmentally Sensitive Lands Regulations).
(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

§142.0145 Performance of Grading

All persons performing *grading* work shall be responsible to provide safe and stable slopes and to protect water quality.
(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

§142.0146 Erosion, Sedimentation, and Water Pollution Control

(a) All *grading* work shall incorporate erosion and siltation control measures in accordance with Chapter 14, Article 2, Division 4 (Landscape Regulations) and the standards established in the Land Development Manual.

(b) All *development* shall be conducted to prevent erosion and stop sediment and pollutants from leaving the work site. The property owner is responsible to implement and maintain temporary and permanent erosion, sedimentation, and water pollution control measures to the satisfaction of the City Manager, whether or not such measures are a part of approved plans. The property owner shall install, monitor, maintain, and revise these measures, as appropriate, to ensure their effectiveness. Controls shall include measures outlined in Chapter 14, Article 2, Division 2 Storm Water Runoff Control and Drainage Regulations) that address the *development's* potential erosion and sedimentation impacts.

Article 2: General Development Regulations

Division 2: Storm Water Runoff and Drainage Regulations

(Retitled from "Drainage Regulations" on 9-10-2001 by O-18977 N.S.; effective 10-10-2001 outside the Coastal Overlay Zone; effective 11-16-2001 within the Coastal Overlay Zone.)

§142.0201 Purpose of Drainage Regulations

The purpose of this division is to regulate the *development* of, and impacts to, drainage facilities, to limit water quality impacts from *development*, to minimize hazards due to *flooding* while minimizing the need for construction of *flood* control facilities, to minimize impacts to *environmentally sensitive land*s, to implement the provisions of federal and state regulations, and to protect the public health, safety, and welfare.
(Amended 9-10-2001 by O-18977 N.S.; effective 10-10-2001 outside the Coastal Overlay Zone; effective 11-16-2001 within the Coastal Overlay Zone.)

§142.0202 When Drainage Regulations Apply

This division shall apply to all *development* in the City, whether or not a permit or other approval is required.
(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

§142.0210 Construction Standards

All storm water runoff control, drainage, and *flood* control facilities shall be constructed in accordance with standards established in the Land Development Manual, the Standard Specifications for Public Works, and any City-adopted supplements.
(Amended 9-10-2001 by O-18977 N.S.; effective 10-10-2001 outside the Coastal Overlay Zone; effective 11-16-2001 within the Coastal Overlay Zone.)

EDITORS NOTE: **The Land Development Manual includes:**
Coastal Bluffs and Beaches Guidelines
Biology Guidelines
Historical Resources Guidelines
Submittal Requirements for Deviations within the Coastal Overlay Zone

See RR-292248 for the Coastal Bluffs and Beaches Guidelines of the Land

Development Code; RR-292249 for the Biology Guidelines of the Land Development Code; RR-292250 for the Historical Resources Guidelines of the Land Development Code; RR-292251 for the Submittal Requirements for Deviations within the Coastal Overlay Zone of the Land Development Code.

§142.0220 Storm Water Runoff Control

(a) All *development* shall comply with Municipal Code Chapter 4, Article 3, Division 3 (Stormwater Management and Discharge Control).

(b) All *development* shall be conducted to prevent erosion and stop sediment and pollutants from leaving the property to the maximum extent practicable. The property owner is responsible to implement and maintain temporary and permanent erosion, sedimentation, and water pollution control measures to the satisfaction of the City Manager, whether or not such measures are a part of approved plans. The property owner shall install, monitor, maintain, and revise these measures, as appropriate, to ensure their effectiveness. Controls shall include the following measures that address the *development*'s potential erosion, sedimentation, and water pollution impacts.

(1) Erosion prevention.

(2) Sediment control.

(3) Phased *grading.*

(Retitled from "Stormwater Management and Discharge Control" and amended 9-10-2001 by O-18977 N.S.; effective 10-10-2001 outside the Coastal Overlay Zone; effective 11-16-2001 within the Coastal Overlay Zone.)

§142.0230 Development Within the Special Flood Hazard Area

All *development* within a *Special Flood Hazard Area* shall comply with Chapter 14, Article 3, Division 1 (Environmentally Sensitive Lands Regulations).
(Amended 4-22-2002 by O-19051 N.S.; effective 10-8-2002.)

§143.0145 Development Regulations for Special Flood Hazard Areas

(a) *Special Flood Hazard Areas* within the City of San Diego are established in accordance with the report entitled "*Flood Insurance Study,* San Diego County, California," dated June 16, 1999 and the accompanying *Flood Insurance Rate Maps (FIRM),* published by the Federal Emergency Management Agency (FEMA), on file in the office of the City Clerk as Document Nos. 18910-1 and 18910-2, including any supplements, amendments, and revisions which are properly promulgated by FEMA or the Federal Insurance Administrator.

(b) For the purpose of Sections 143.0145 and 143.0146, the City Engineer is the designated Floodplain Administrator and shall administer, implement, and enforce these regulations.

(c) The degree of *flood* protection required by this section is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. Larger *floods* can and will occur on rare occasions. It is possible that increased *flood* heights may result from man-made or natural causes. This section does not imply that land outside a *Special Flood Hazard Area* or uses permitted within such areas will be free from *flooding* or *flood* damages. This section shall not create liability on the part of the City, any officer or employee thereof, or the FEMA, for any *flood* damages that result from reliance on this chapter or any administrative decision lawfully made there under.

(d) The following development regulations and all other applicable requirements and regulations of FEMA apply to all *development* proposing to encroach into a *Special Flood Hazard Area*, including both the *floodway* and *flood fringe* areas or that does not qualify for an exemption pursuant to Section 143.0110(c):

(e) *Floodways*

(1) Within the *floodway* portion of a *premises*, development regulations are as set forth for the OF zone, pursuant to Section 131.0231.

(2) *Structures* associated with any allowed use shall comply with the following requirements:

(A) *Structures* shall not be attached to a foundation, in order to readily move them in case of *flood*; and

(B) *Structures* shall be removed upon imminence of *flooding*, as predicted by the National Weather Service or local public weather broadcast. If a *structure* is not removed and *flooding* occurs, the retrieval or salvage of the *structure* and repair of any damage caused by the *structure* shall be the responsibility of the owner.

(3) *Channelization* or other substantial alteration of rivers or streams shall be limited to that necessary for the following:

(A) Essential public service projects, where no other feasible construction method or alternative project location exists; and

(B) *Flood* control projects, where no other feasible method for protecting existing public or private *development* exists and where such protection is necessary for public safety.

(C) Projects where the primary function is the improvement of fish and wildlife habitat.

(4) *Development* in *floodways* shall be offset by improvements or modifications to enable the passage of a *base flood*, in accordance with the FEMA standards and regulations provided in Section 143.0146.

(5) *Development* that involves *channelization* or other substantial alteration of rivers or streams is subject to the following requirements.

(A) All requirements and relevant recommendations of hydrological studies for the watershed of the affected stream, as approved by the City Engineer, shall be incorporated into the project design and mitigation measures. These requirements include erosional characteristics, flow velocities, volume, sediment transport, and maintenance of hydrology.

(B) The channel shall be designed to ensure that the following occur:

(i) Stream scour is minimized;

(ii) Erosion protection is provided;

(iii) Water flow velocities are maintained as specified by the City Engineer;

(iv) There are neither significant increases nor contributions to downstream bank erosion and sedimentation of *sensitive biological resources*; acceptable techniques to control stream sediment include planting riparian vegetation in and near the stream and detention or retention basins;

(v) Wildlife habitat and corridors are maintained;

(vi) Resource management criteria are implemented consistent with applicable *land use plans*; and

(vii) Groundwater recharge capability is maintained or improved.

(C) Channels that accommodate a *base flood* shall do so without increasing the water surface elevation more than one foot at any point from the level of a nonconfined *base flood* in the natural undeveloped floodplain. Channels may accommodate less than a *base flood* (low-flow channels), but shall be designed and constructed in accordance with FEMA regulations.

(D) All artificial channels shall consist of natural bottoms and sides and shall be designed and sized to accommodate existing and proposed riparian vegetation and other natural or proposed constraints. Where maintenance is proposed or required to keep vegetation at existing levels compatible with the design capacity of the channel, a responsible party shall be identified and a maintenance and monitoring process shall be established to the satisfaction of the City Engineer.

(6) *Development* shall not significantly adversely affect existing *sensitive biological resources* on-site or off-site.

(7) Within the Coastal Overlay Zone, no *structure* or portion thereof shall be erected, constructed, converted, established, altered or enlarged, or no landform alteration *grading*, placement or removal of vegetation, except that related to a historic and ongoing agricultural operation, or land division shall be permitted, provided:

(A) Parking lots, new roadways and roadway expansions shall be allowed only where indicated on an adopted *Local Coastal Program land use plan.*

(B) *Floodway* encroachments for utility and transportation crossings shall be offset by improvements or modifications to enable the passage of the *base flood*, in accordance with the FEMA standards and regulations provided in Section 143.0146.

(f) *Flood Fringe*. The applicable development regulations are those in the underlying zone, subject to the following supplemental regulations:

(1) Within the *flood fringe* of a *Special Flood Hazard Area*, permanent *structures* and *fill* for permanent *structures*, roads, and other *development* are allowed only if the following conditions are met:

(A) The *development* or *fill* will not significantly adversely affect existing *sensitive biological resources* on-site or off-site;

(B) The *development* is capable of withstanding *flooding* and does not require or cause the construction of off-site *flood* protective works including artificial *flood* channels, revetments, and levees nor will it cause adverse impacts related to *flooding* of properties located upstream or downstream, nor will it increase or expand a *(FIRM)* Zone A;

(C) *Grading* and *filling* are limited to the minimum amount necessary to accommodate the proposed *development*, harm to the environmental values of the floodplain is minimized including peak flow storage capacity, and *wetlands* hydrology is maintained;

(D) The *development* neither significantly increases nor contributes to downstream bank erosion and sedimentation nor causes an increase in *flood* flow velocities or volume; and

(E) There will be no significant adverse water quality impacts to downstream wetlands, lagoons or other *sensitive biological resources*, and the *development* is in compliance with the requirements and regulations of the National Pollution Discharge Elimination System, as implemented by the City of San Diego.

(F) The design of the *development* incorporates the findings and recommendations of both a site specific and coastal watershed hydrologic study.

(2) All *development* that involves *fill*, *channelization*, or other alteration of a *Special Flood Hazard Area* is subject to the requirements for *channelization* in Section 143.0145(e)(5) and with FEMA regulations.

(Amended 4-22-2002 by O-19051 N.S.; effective 10-8-2002.)
(Amended 11-13-08 by O-19805 N.S; effective 12-13-2008.)

§143.0146 Supplemental Regulations for Special Flood Hazard Areas

All proposed *development* within a *Special Flood Hazard Area* is subject to the following requirements and all other applicable requirements and regulations of FEMA.

(a) *Development* and Permit Review

(1) Where *base flood elevation* data has not been provided by the *Flood Insurance Study*, the City Engineer shall obtain, review, and utilize *base flood elevation* and *floodway* data available from federal or state sources, or require submittal of such data from the *applicant*. The City Engineer shall make interpretations, where needed, as to the location of the boundaries of the areas of the *Special Flood Hazard Area*, based on the best available engineering or scientific information.

(2) Proposed *development* in a *Special Flood Hazard Area* shall not adversely affect the *flood* carrying capacity of areas where *base flood elevations* have been determined but the *floodway* has not been designated. "Adversely affect" as used in this section means that the cumulative effect of the proposed *development*, when combined with all other existing and anticipated *development*, will not increase the water surface elevation of the *base flood* more than one foot at any point.

(3) In all cases where a watercourse is to be altered the City Engineer shall do the following:

(A) Notify affected, adjacent communities and the California Department of Water Resources of any proposed alteration or relocation of a watercourse and submit evidence of the notice to the Federal Insurance Administration;

(B) Require that the *flood* carrying capacity of the altered or relocated portion of the watercourse is maintained; and

(C) Secure and maintain for public inspection and availability the *certifications*, appeals, and variances required by these regulations.

(4) The *applicant* shall grant a flowage easement to the City for that portion of the property within a *floodway*.

(5) Appropriate agreements shall be secured between the *applicant* and the City to assure participation by the *applicant* or any successor in interest in financing of future *flood* control works.

(6) *Development* in a *Special Flood Hazard Area* shall not increase or expand a *FIRM* Zone A.

(7) In In all *floodways*, any *encroachment*, including *fill*, new construction, significant modifications, and other *development* is prohibited unless *certification* by a registered professional engineer is provided demonstrating that *encroachments* will not result in any increase in *flood* levels during the occurrence of the *base flood* discharge except as allowed under Code of Federal Regulations Title 44, Chapter 1, Part 60.3(c)(13).

(b) Standards for *Subdivisions*

(1) All preliminary *subdivision* proposals shall identify the *Special Flood Hazard Area* and the elevation of the *base flood*.

(2) All final *subdivision maps* shall provide the elevation of proposed *structures* and pads. If the site is *filled* above the *base flood elevation*, the *lowest floor*, including *basement*, shall be certified to be 2 feet above the *base flood elevation* by a registered professional engineer or surveyor, and the *certification* shall be provided to the City Engineer.

(3) All *subdivisions* shall be designed to minimize *flood* damage.

(4) All *subdivisions* shall have public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to minimize *flood* damage.

(5) All *subdivisions* shall provide adequate drainage to reduce exposure to *flood* hazards.

(6) The final map shall bear the notation "Subject to Inundation" for those portions of the property with a *grade* lower than 2 feet above the *base flood elevation*.

(c) Standards of Construction

In all *Special Flood Hazard Areas*, the following standards apply for all *development*.

(1) All permitted, permanent *structures* and other significant improvements shall be anchored to prevent flotation, collapse, or lateral movement resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy.

(2) All permitted permanent *structures* and other significant improvements shall be constructed with materials and utility equipment resistant to *flood* damage.

(3) Construction methods and practices that minimize *flood* damage shall be used.

(4) All electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities shall be designed and located to prevent water from entering or accumulating within the equipment components during conditions of *flooding*.

(5) *Breakaway walls* shall be certified by a registered engineer or architect to meet all applicable FEMA requirements. The *certification* shall be provided to the City Engineer before final inspection approval.

(6) New construction or *substantial improvement* of any *structure* shall have the *lowest floor*, including *basement*, elevated at least 2 feet above the *base flood elevation*. Upon completion of the *development*, the elevation of the *lowest floor*, including *basement*, shall be certified by a registered professional engineer or surveyor to be properly elevated. The *certification* shall be provided to the City Engineer before final inspection approval. The City Engineer reserves the right to require a preliminary *certification* before foundation inspection approval.

(7) New construction or *substantial improvement* of any *structure* in *FIRM* Zone AH or AO shall have the *lowest floor*, including *basement*, elevated above the highest adjacent *grade* at least 2 feet higher than the depth number specified on the *FIRM*, or at least 4 feet if no depth number is specified. Upon the completion of the *structure* the elevation of the *lowest floor*, including *basement*, shall be certified by a registered professional engineer or surveyor, to be properly elevated. The *certification* shall be provided to the City Engineer before final inspection approval. The City Engineer may require a preliminary *certification* before foundation inspection approval.

(8) Permitted nonresidential construction shall either be elevated as required by Section 143.0146(c)(6) or (7) or, together with attendant utility and sanitary facilities, meet the flood proofing requirements of FEMA. *Certification* by a registered professional engineer or architect that such requirements are met shall be provided to the City Engineer before final inspection approval. The City Engineer may require a preliminary *certification* before foundation inspection approval.

(9) Fully enclosed areas below the *lowest floor* that are subject to *flooding* shall be certified by a registered professional engineer or architect that they comply with the flood proofing requirements of FEMA. The *certification* shall be provided to the City Engineer before final inspection approval.

(d) Standards for *Manufactured Homes*

All new and replacement *manufactured homes* and additions to *manufactured homes* are subject to the following regulations.

(1) The *lowest floor* shall be elevated at least 2 feet above the *base flood elevation*.

(2) *Manufactured homes* shall be securely anchored to a permanent foundation system to resist flotation, collapse, or lateral movement.

(3) A registered engineer or architect must certify that the conditions of this subsection have been met. The *certification* shall be provided to the City Engineer before final inspection approval.

(e) Standards for Utilities

Certification shall be provided to the City Engineer before final inspection approval that the following requirements have been met.

(1) All new and replacement water supply and sanitary sewage systems shall be designed to minimize or eliminate infiltration of *flood* waters into the system and discharge from systems into *flood* waters.

(2) On-site waste disposal systems shall be located and designed to avoid impairment to them or contamination from them during *flooding*.

(f) The City Engineer shall notify the San Diego District Offices of the Coastal Commission of any pending changes to the adopted Flood Insurance Rate Maps affecting property within the Coastal Overlay Zone when the City Engineer receives notification of such potential changes. The City Engineer shall notify the Commission staff when *costal development* within the City of San Diego's Coastal

Development Permit jurisdiction would require processing a change to the FIRM maps. The City Engineer shall assure the Commission's District Office has the most current effective Flood Insurance Rate Maps approved by FEMA by forwarding any revised maps affecting the Coastal Overlay Zone within thirty working days of City Engineer's receipt.

(Amended 4-22-2002 by O-19051 N.S.; effective 10-8-2002.)
(Amended 8-4-2011 by O-20081 N.S.; effective 10-6-2011.)

§143.0150 Deviations from Environmentally Sensitive Lands Regulations

Plans submitted in accordance with this section shall, to the maximum extent feasible, comply with the regulations of this division. If a proposed *development* does not comply with all applicable development regulations of this division and a deviation is requested as indicated in Table 143-01A, the Planning Commission may approve, conditionally approve, or deny the proposed Site Development Permit in accordance with Process Four, subject to the following:

(a) Deviations from the regulations of this division may be granted only if the decision maker makes the *findings* in Section 126.0504(c).

(b) Deviations from the Supplemental Regulations for Special Flood Hazard Areas in Section 143.0146 may be granted only if the decision maker makes the *findings* in Section 126.0504(d).

(c) Within the Coastal Overlay Zone, deviations from the Environmentally Sensitive Lands Regulations may be granted only if the decision maker makes the *findings* in Section 126.0708.

§1514.0302 San Diego River Subdistrict ("River Subdistrict")

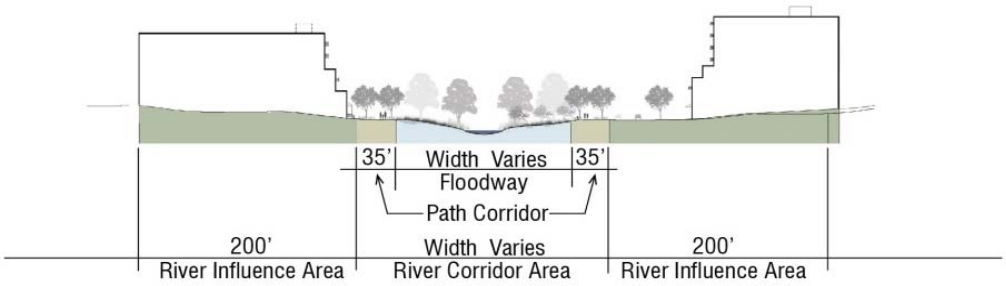
(a) Purpose

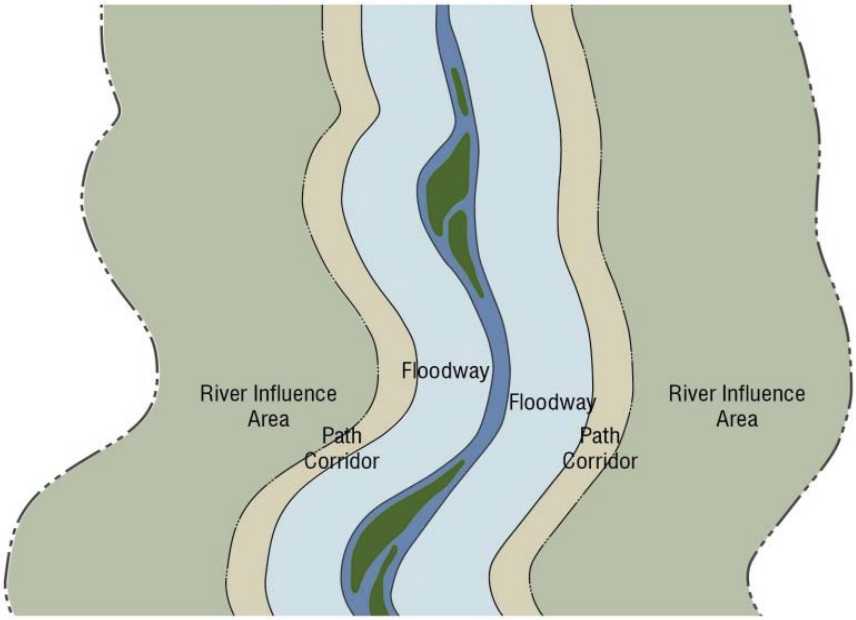
It is the purpose of the River Park Subdistrict regulations to ensure that development along the San Diego River implements the San Diego River Park Master Plan and the Mission Valley Community Plan. It is also the intent of the River Park Subdistrict regulations to preserve and enhance the character of the San Diego River valley, to provide for sensitive rehabilitation and redevelopment, and to create the River Pathway.

(b) Boundaries

The River Park Subdistrict includes the River Corridor Area and the River Influence Area. The regulations of this subdistrict apply to any project fully or partially within these boundaries. See Appendix E and Diagram 1514-03A, San Diego River Park Subdistrict Components.

Diagram 1514-03A
San Diego River Park Subdistrict Components





(c) River Corridor Area

(1) Permitted Uses and Development

(A) Development within the Floodway shall be in accordance with Section 143.0145 (Development Regulations for Special Flood Hazard Areas).

(B) Within the Path Corridor, only the following development shall be allowed:

(i) The River Pathway,

(ii) Trails, in accordance with Section 1514.0302(c)(4), and

(iii) Development determined by the City Manager to be for passive recreational use, such as picnic areas, scenic and interpretive overlooks, fitness stations, seating, and educational exhibit areas.

(C) Within locations that are not mapped as Multi-Habitat Planning Area (MHPA), as identified by the City of San Diego Multiple Species Conservation Program (MSCP) Subarea Plan, or determined to be wetland buffers in accordance with Section 143.0141, the following development shall be allowed: children's play areas, multipurpose courts, turf fields, and development determined by the City Manager to be for active recreational use.

(D) Portions of the Path Corridor that are mapped as MHPA, as identified by the City of San Diego MSCP Subarea Plan, or determined to be wetland buffers in accordance with Section 143.0141 shall be developed in accordance with the MSCP Subarea Plan's Land Use Considerations and the Environmentally Sensitive Lands Regulations in Chapter 14, Article 3, Division 1.

(2) Grading

(A) Grading within the Floodway shall be conducted in accordance with the MSCP Subarea Plan's Land Use Considerations and the Environmentally Sensitive Lands Regulations in Chapter 14, Article 3, Division 1.

(B) Grading within the Path Corridor shall, to the satisfaction of the City Manager:

(i) Avoid long, continuous engineered slopes with hard edges;

(ii) Provide gradual transitions at the top and bottom of slopes; and

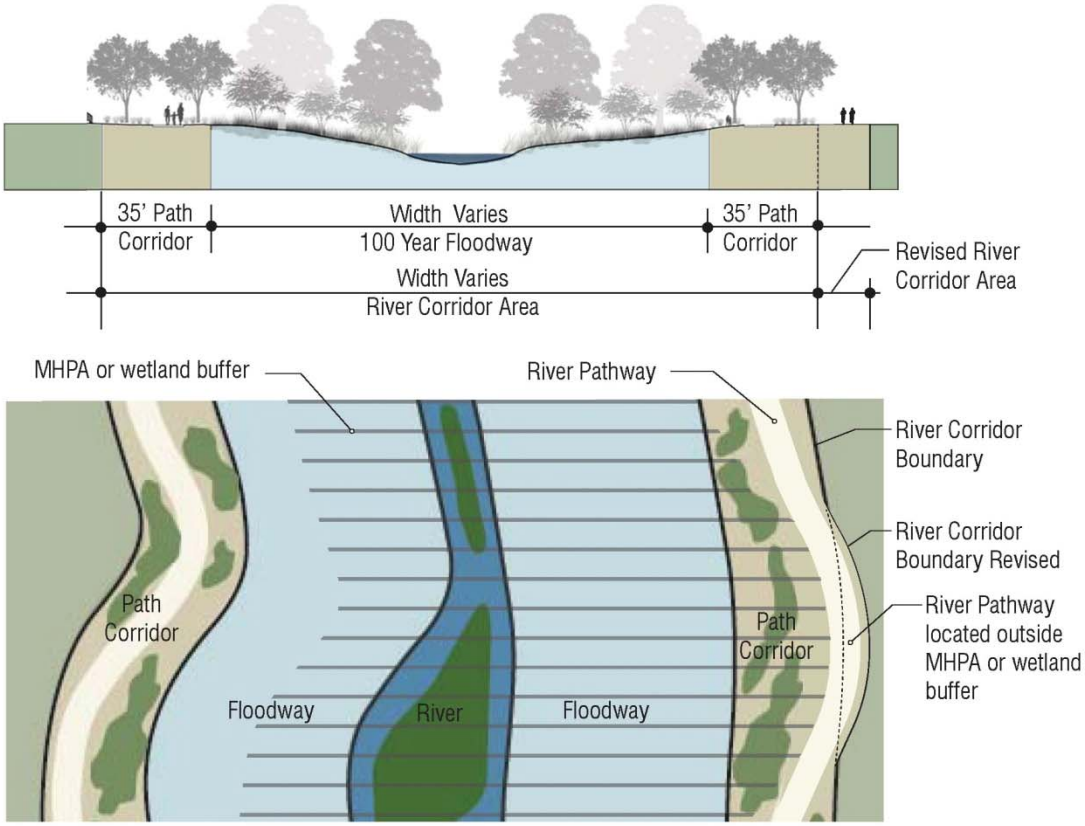
(iii) Stabilize and revegetate slopes with native plants consistent with the surrounding habitat type.

(3) River Pathway

(A) Development on a lot located wholly or partially in the River Corridor Area shall include a River Pathway. The River Pathway shall meander, to the satisfaction of the City Manager.

(B) Where portions of the Path Corridor are mapped as MHPA, as identified by the City of San Diego MSCP Subarea Plan, or determined to be wetland buffers in accordance with Section 143.0141, the River Pathway shall be located (immediately adjacent to the Path Corridor) outside the portions of the MHPA and the wetland buffer. See Diagram 1514-03B, Path Corridor Realignment for MHPA and Wetland Buffer.

Diagram 1514-03B
Path Corridor Realignment for MHPA and Wetland Buffer



(C) The entire River Pathway shall be dedicated with an easement that allows public access.

(D) The River Pathway shall be completed in the first phase of any phased development.

(E) The River Pathway shall include the following features:

(i) A minimum10-foot wide pathway of concrete or similar material in a color that blends with the surrounding native soil;

(ii) A minimum 2-foot wide area of decomposed granite or similar material along each side of the River Pathway in a color similar to the River Pathway;

(iii) A minimum 10-foot wide landscape area between the Floodway and the River Pathway; and

(iv) A minimum 12-foot vertical clearance above finished grade of the River Pathway.

(4) Trails. Pedestrian-only trails may be located within the River Corridor Area in accordance with the following:

(A) Trail alignments shall mimic natural conditions and minimize grading and disturbance to vegetation.

(B) Trails shall be designed to provide continuous loops to the River Pathway, with no trail alignment resulting in a dead end.

(C) Trails located in areas mapped as MHPA, as identified by the City of San Diego MSCP Subarea Plan, or determined to be wetland buffers in accordance with Section 143.0141, are subject to the MSCP Subarea Plan's Land Use Considerations and the Environmentally Sensitive Lands Regulations in Chapter 14, Article 3, Division 1.

(D) Trails shall include the following features:

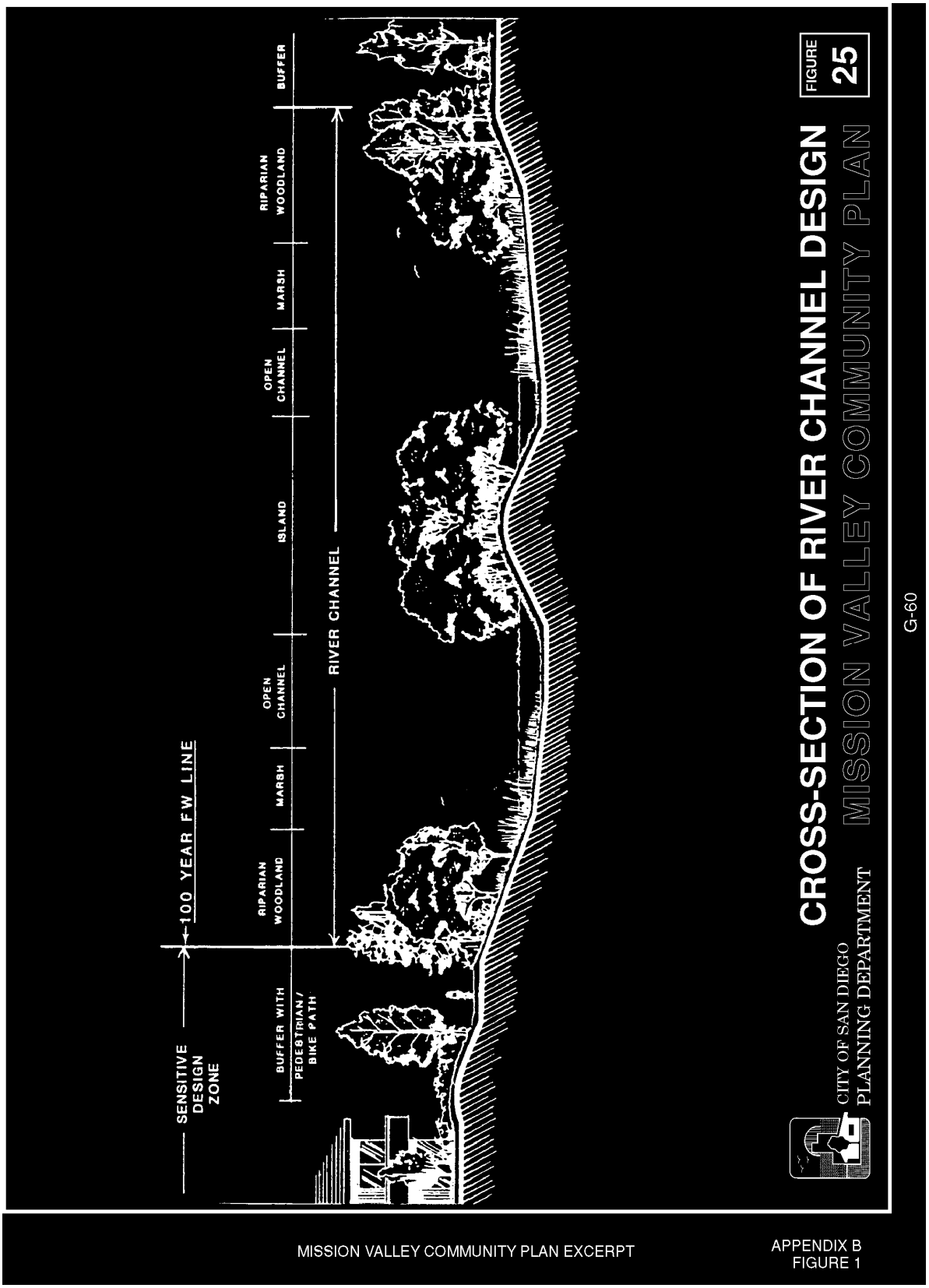
(i) A maximum 8-foot width;

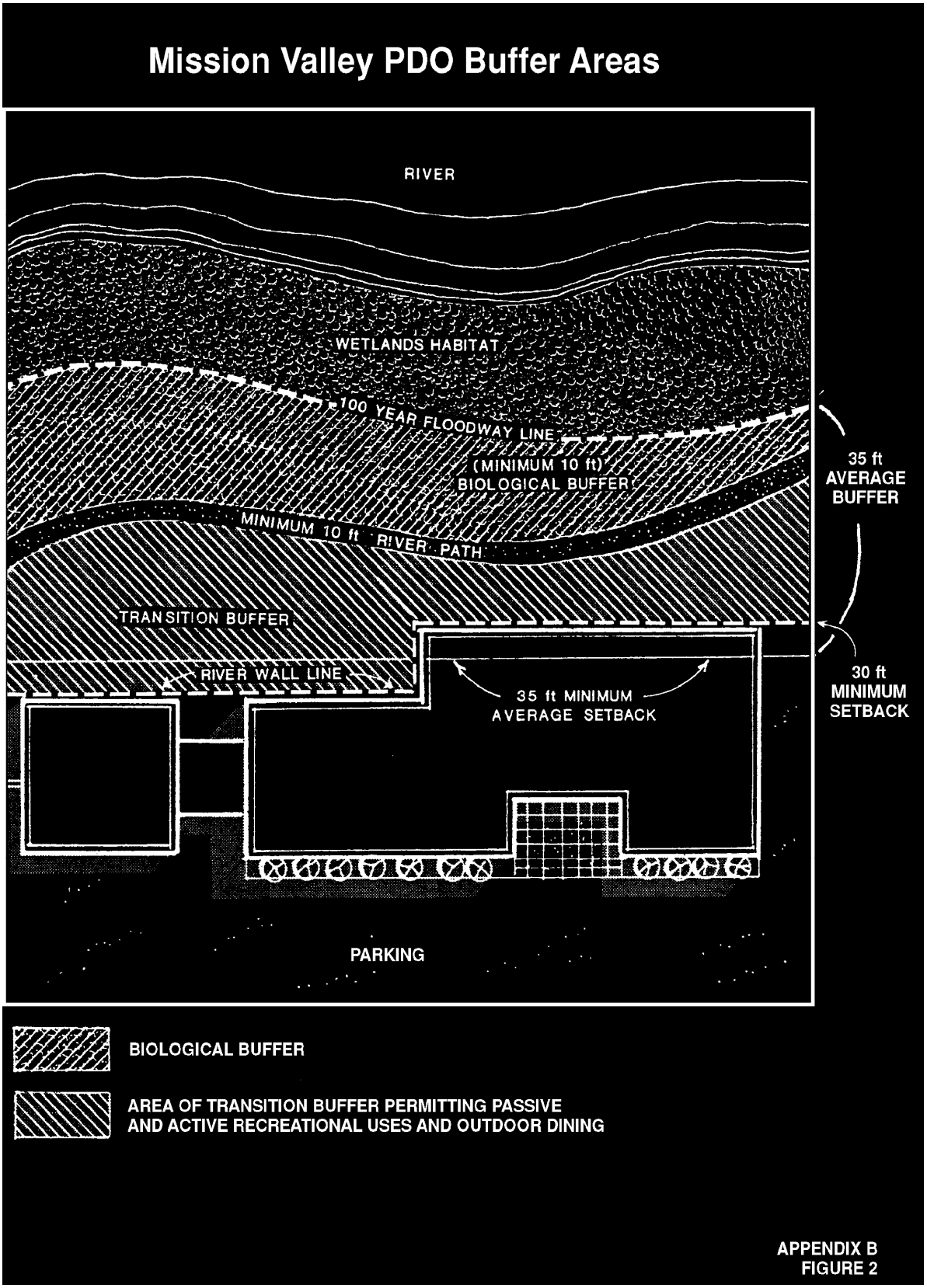
(ii) An 8-foot vertical clearance above finished grade of the trail; and

(iii) Surface material of decomposed granite or similar material in a color that blends with the surrounding native soil.

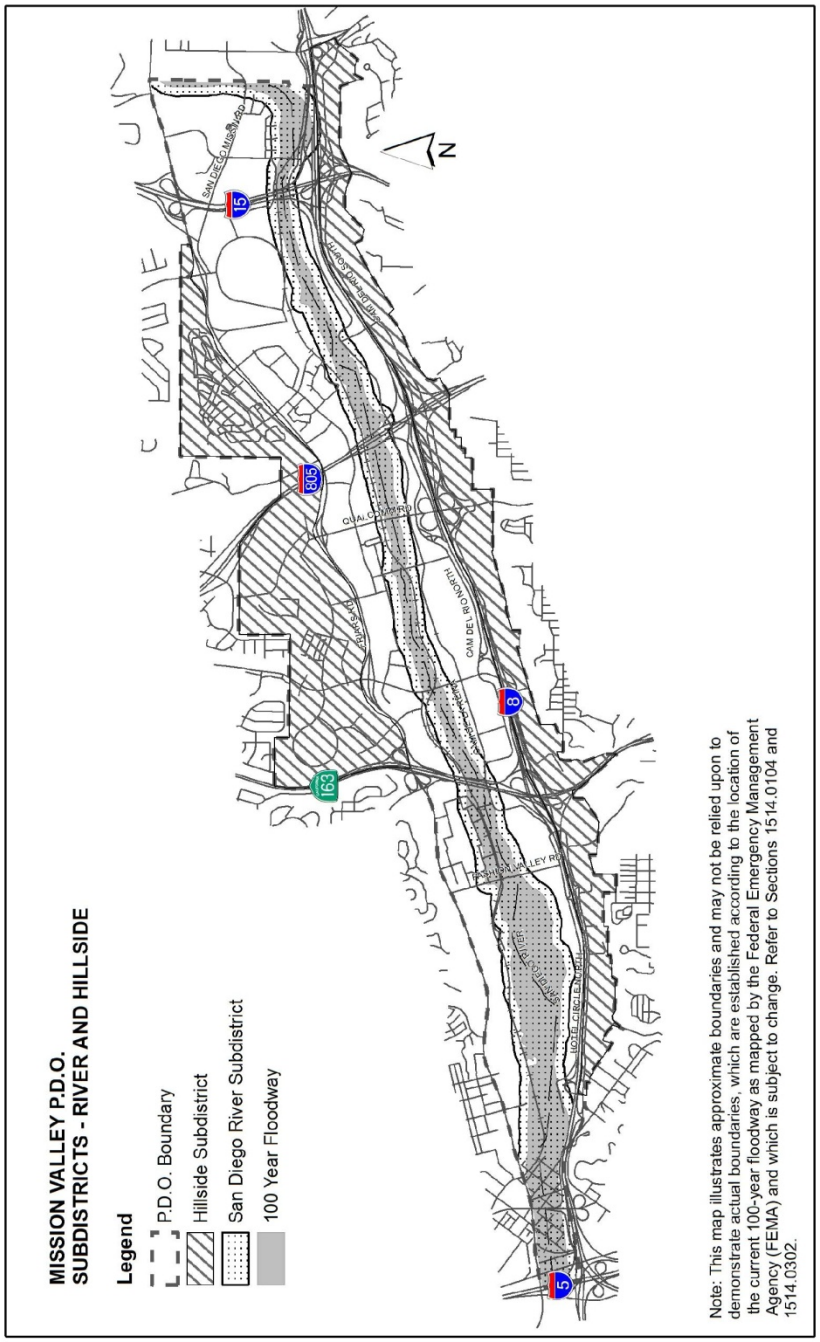
(5) Picnic Areas and Overlooks

(A) Development on a lot located wholly or partially in the River Corridor Area shall include at least one picnic area or overlook along the River Pathway unless either exists less than one-half mile away.


CROSS-SECTION OF RIVER CHANNEL DESIGN
FIGURE 25
MISSION VALLEY COMMUNITY PLAN
CITY OF SAN DIEGO
PLANNING DEPARTMENT
G-60
SENSITIVE DESIGN ZONE
100 YEAR FW LINE
BUFFER WITH PEDESTRIAN / BIKE PATH
RIPARIAN WOODLAND
MARSH
OPEN CHANNEL
RIVER CHANNEL
ISLAND
OPEN CHANNEL
MARSH
RIPARIAN WOODLAND
BUFFER
MISSION VALLEY COMMUNITY PLAN EXCERPT
APPENDIX B
FIGURE 1


Mission Valley PDO Buffer Areas
RIVER
WETLANDS HABITAT
100 YEAR FLOODWAY LINE
(MINIMUM 10 ft)
BIOLOGICAL BUFFER
MINIMUM 10 ft RIVER PATH
TRANSITION BUFFER
RIVER WALL LINE
35 ft MINIMUM
AVERAGE SETBACK
35 ft
AVERAGE
BUFFER
30 ft
MINIMUM
SETBACK
PARKING
BIOLOGICAL BUFFER
AREA OF TRANSITION BUFFER PERMITTING PASSIVE
AND ACTIVE RECREATIONAL USES AND OUTDOOR DINING
APPENDIX B
FIGURE 2

APPENDIX E
RIVER AND HILLSIDE SUBDISTRICTS



ATTACHMENT C

Excerpts from City of San Diego General Plan

G. Storm Water Infrastructure

Goals

- Protection of beneficial water resources through pollution prevention and interception efforts.
- A storm water conveyance system that effectively reduces pollutants in urban runoff and storm water to the maximum extent practicable.

Discussion



City of San Diego storm drain

The City's storm water pollution prevention efforts and conveyance system strive to protect the quality of our recreational waters and potable water resources as mandated by the federal Clean Water Act of 1972 and the San Diego Regional Water Quality Control Board. The City also maintains compliance with the Water Quality Control Plan for the San Diego Region 9 also referred to as the Basin Plan, and with storm water permits. These functions require a multi-faceted approach that couples infrastructure improvements and maintenance, water quality monitoring, source identification of pollutants, land use planning policies and regulations, and pollution prevention activities such as education, code enforcement, outreach, public advocacy, and training. Additional discussion on Urban Runoff Management, Section E, is included in the Conservation Element.

The City has more than 39,000 storm drain structures and over 900 miles of storm drain pipes and channels serving approximately 237 square miles of urbanized development. Many storm water infrastructure projects do not have the opportunity to affect site design or implement other means to keep pollutants from entering storm drain flows. Therefore, prevention through education, outreach, code enforcement, and other efforts continues to be the most effective method of protecting water resources. Secondly, capital improvement investments in storm water structures (curbs, gutters, inlets, catch basins, pipes, and others) determined through Best Management Practices (BMP) are critical in order to reduce pollutant loading to acceptable levels. Public projects should be evaluated for their impact on the storm drain conveyance system and incorporate storm water quality and conveyance structures during the design process. Similarly, private development will mitigate the impacts of its development on the storm water conveyance system while overall system monitoring including the identification of needs is also performed by the City.

In addition to capital investments in storm water structures, operations and maintenance are equally critical to ensure governmental compliance and clean water resources. Furthermore, state regulations require that the City keep track of storm water structure locations and maintenance via inspections, and in some cases, collection and/or reporting of storm water quality monitoring data. The storm drain fee and other sources of funds are instrumental in ensuring compliance with legal mandates and maintaining storm water prevention and conveyance functions.

Policies

PF-G.1. Ensure that all storm water conveyance systems, structures, and maintenance practices are consistent with federal Clean Water Act and California Regional Water Quality Control Board NPDES Permit standards.

PF-G.2. Install infrastructure that includes components to capture, minimize, and/or prevent pollutants in urban runoff from reaching receiving waters and potable water supplies.

PF-G.3. Meet and preferably exceed regulatory mandates to protect water quality in a cost-effective manner monitored through performance measures.

PF-G.4. Develop and employ a strategic plan for the City's watersheds to foster a comprehensive approach to storm water infrastructure improvements.

PF-G.5. Identify and implement BMPs for projects that repair, replace, extend or otherwise affect the storm water conveyance system. These projects should also include design considerations for maintenance, inspection, and, as applicable, water quality monitoring.

PF-G.6. Identify partnerships and collaborative efforts to sponsor and coordinate pollution prevention BMPs that benefit storm water infrastructure maintenance and improvements.

The City's parks, open space, trails and pedestrian linkages are part of an integrated system that connect with regional and state resources and provide opportunities for residents and visitors to experience San Diego's open spaces. The Recreation Element describes the attributes of designated and dedicated park and open space lands for the provision of outdoor recreation. Some important open space areas are not preserved as dedicated park land, but are protected through regulations or other private property restrictions such as conservation or open space easements.
Open space that is designated in community plans and other land use plans is an important component of the open space system because of its value in protecting natural landforms, defining community boundaries, providing natural linkages between communities, providing visually appealing open spaces, and protecting habitat and biological systems of community importance that are not otherwise included in the MHPA.

Policies

CE-B.1. Protect and conserve the landforms, canyon lands, and open spaces that: define the City's urban form; provide public views/vistas; serve as core biological areas and wildlife linkages; are wetlands habitats; provide buffers within and between communities; or provide outdoor recreational opportunities.

a. Utilize Environmental Growth Funds and pursue additional funding for the acquisition and management of MHPA and other important community open space lands.

b. Support the preservation of rural lands and open spaces throughout the region.

c. Protect urban canyons and other important community open spaces including those that have been designated in community plans for the many benefits they offer locally, and regionally as part of a collective citywide open space system (see also Recreation Element, Sections C and F; Urban Design Element, Section A).

d. Minimize or avoid impacts to canyons and other environmentally sensitive lands, by relocating sewer infrastructure out of these areas where possible, minimizing construction of new sewer access roads into these areas, and redirecting of sewage discharge away from canyons and other environmentally sensitive lands.

e. Encourage the removal of invasive plant species and the planting of native plants near open space preserves.

f. Pursue formal dedication of existing and future open space areas throughout the City, especially in core biological resource areas of the City's adopted MSCP Subarea Plan.

g. Require sensitive design, construction, relocation, and maintenance of trails to optimize public access and resource conservation.

CE-B.2. Apply the appropriate zoning and Environmentally Sensitive Lands (ESL) regulations to limit development of floodplains, sensitive biological areas including wetlands, steep hillsides, canyons, and coastal lands.

a. Manage watersheds and regulate floodplains to reduce disruption of natural systems, including the flow of sand to the beaches. Where possible and practical, restore water filtration, flood and erosion control, biodiversity and sand replenishment benefits.

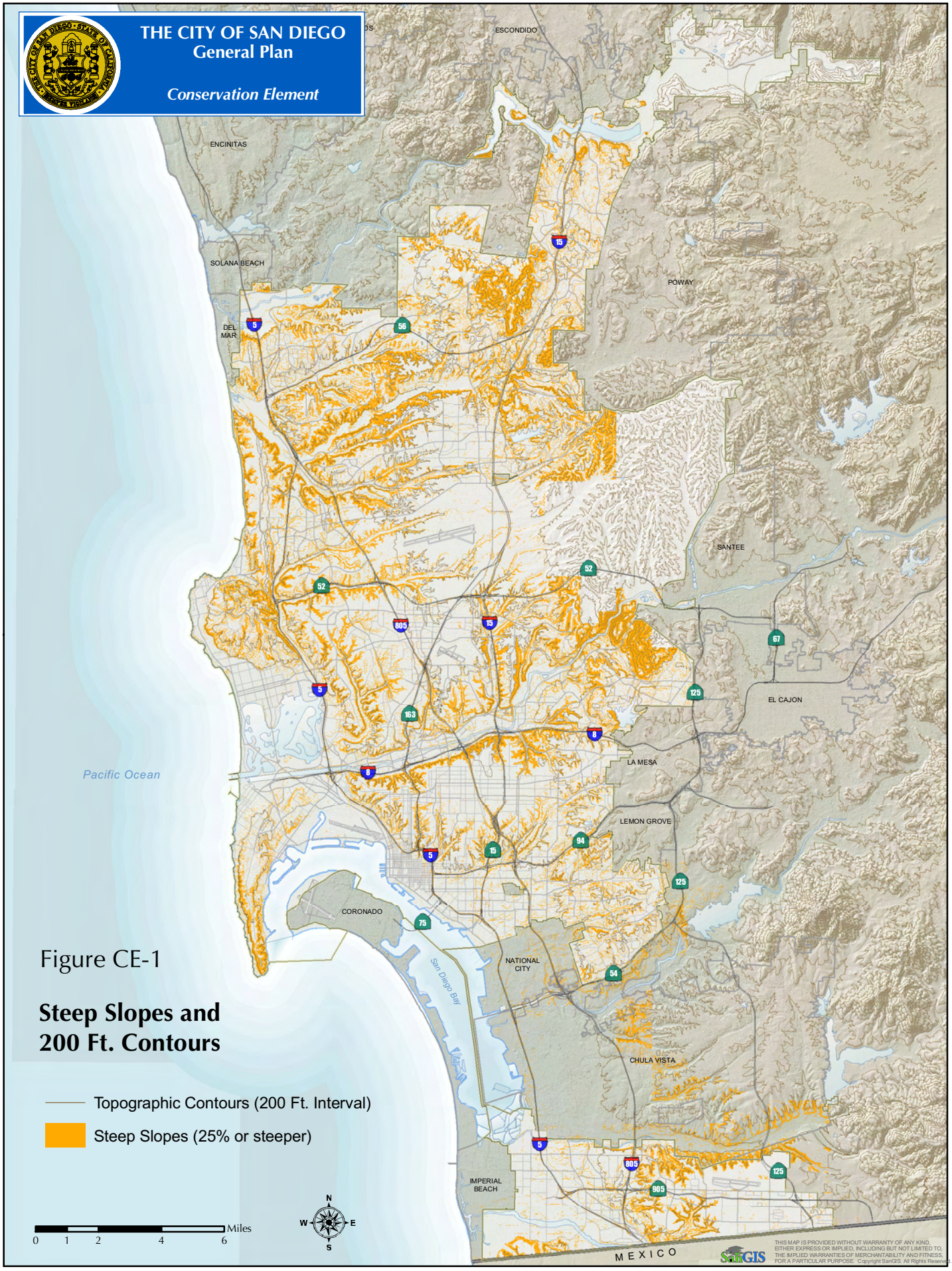
b. Limit grading and alterations of steep hillsides, cliffs and shoreline to prevent increased erosion and landform impacts.

CE-B.3. Use natural landforms and features as integrating elements in project design to complement and accentuate the City's form (see also Urban Design Element, Section A).

CE-B.4. Limit and control runoff, sedimentation, and erosion both during and after construction activity.

CE-B.5. Maximize the incorporation of trails and greenways linking local and regional open space and recreation areas into the planning and development review processes.

CE-B.6. Provide an appropriate defensible space between open space and urban areas through the management of brush, the use of transitional landscaping, and the design of structures (see also Urban Design Element, Policy UD-A.3.o). Continue to implement a citywide brush management system.



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The following policies address land development practices for erosion control, decreased use of impervious surfaces, and design that captures or reduces runoff from development sites. The policies also provide a summary of the City's overall water quality protection policies.

Policies

CE-E.1. Continue to develop and implement public education programs.

a. Involve the public in addressing runoff problems associated with development and raising awareness of how an individual's activities contribute to runoff pollution.

b. Work with local businesses and developers to provide information and incentives for the implementation of Best Management Practices for pollution prevention and control.

c. Implement watershed awareness and water quality educational programs for City staff, community planning groups, the general public, and other appropriate groups.

CE-E.2. Apply water quality protection measures to land development projects early in the process-during project design, permitting, construction, and operations-in order to minimize the quantity of runoff generated on-site, the disruption of natural water flows and the contamination of storm water runoff.

a. Increase on-site infiltration, and preserve, restore or incorporate natural drainage systems into site design.

b. Direct concentrated drainage flows away from the MHPA and open space areas. If not possible, drainage should be directed into sedimentation basins, grassy swales or mechanical trapping devices prior to draining into the MHPA or open space areas.

c. Reduce the amount of impervious surfaces through selection of materials, site planning, and street design where possible.

d. Increase the use of vegetation in drainage design.

e. Maintain landscape design standards that minimize the use of pesticides and herbicides.

f. Avoid development of areas particularly susceptible to erosion and sediment loss (e.g., steep slopes) and, where impacts are unavoidable, enforce regulations that minimize their impacts.

g. Apply land use, site development, and zoning regulations that limit impacts on, and protect the natural integrity of topography, drainage systems, and water bodies.

h. Enforce maintenance requirements in development permit conditions.

CE-E.3. Require contractors to comply with accepted storm water pollution prevention planning practices for all projects.

a. Minimize the amount of graded land surface exposed to erosion and enforce erosion control ordinances.

b. Continue routine inspection practices to check for proper erosion control methods and housekeeping practices during construction.

CE-E.4. Continue to participate in the development and implementation of Watershed Management Plans for water quality and habitat protection.

CE-E.5. Assure that City departments continue to use "Best Practice" procedures so that water quality objectives are routinely implemented.

a. Incorporate water quality objectives into existing regular safety inspections.

b. Follow Best Management Practices and hold training sessions to ensure that employees are familiar with those practices.

c. Educate City employees on sources and impacts of pollutants on urban runoff and actions that can be taken to reduce these sources.

d. Ensure that contractors used by the City are aware of and implement urban runoff control programs.

e. Serve as an example to the community-at-large.

CE-E.6. Continue to encourage "Pollution Control" measures to promote the proper collection and disposal of pollutants at the source, rather than allowing them to enter the storm drain system.

a. Promote the provision of used oil recycling and/or hazardous waste recycling facilities and drop-off locations.

b. Review plans for new development and redevelopment for connections to the storm drain system.

c. Follow up on complaints of illegal discharges and accidental spills to storm drains, waterways, and canyons.

CE-E.7. Manage floodplains to address their multi-purpose use, including natural drainage, habitat preservation, and open space and passive recreation, while also protecting public health and safety.

ATTACHMENT D

Excerpts from San Diego River Park Master Plan

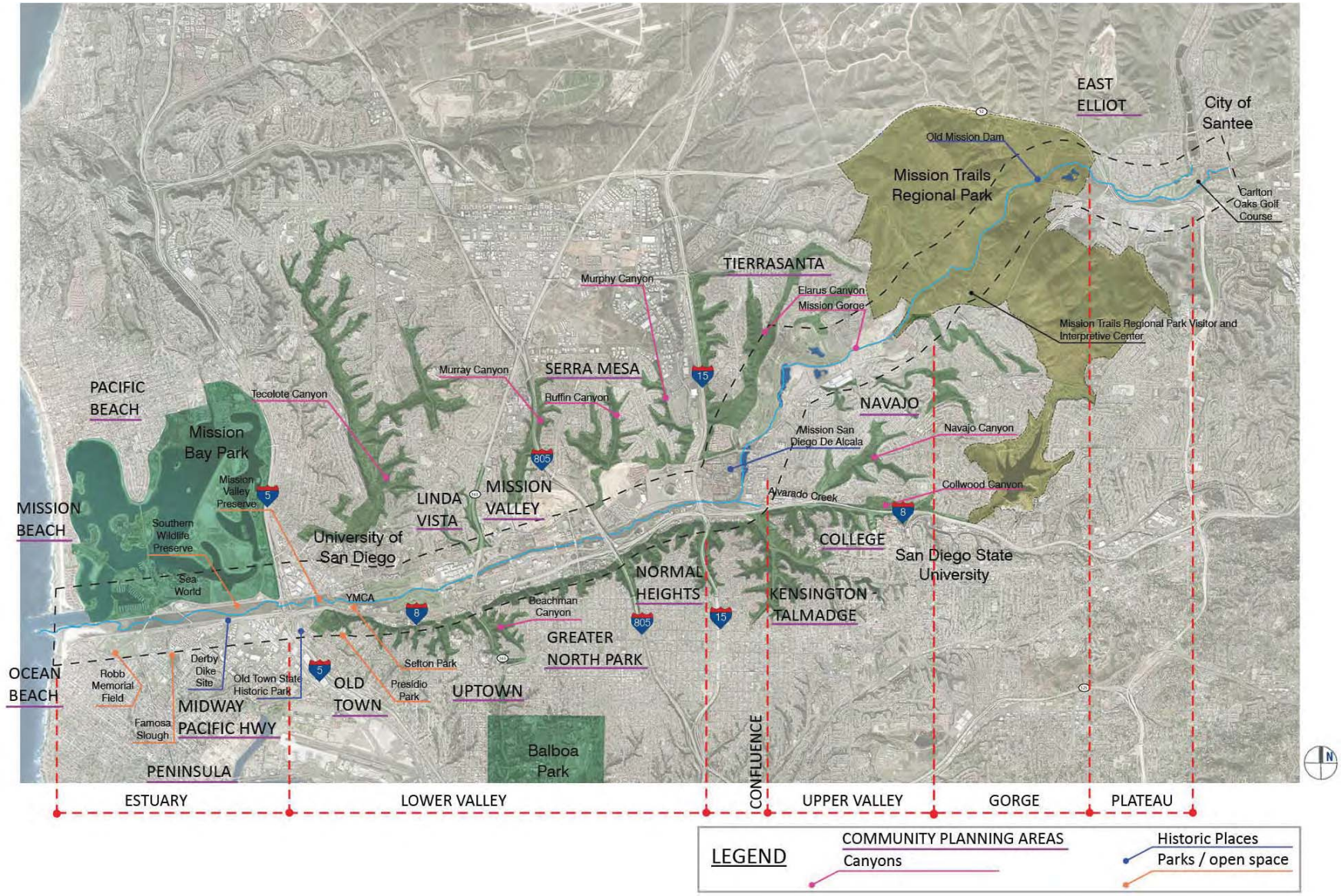


Figure 2. City of San Diego Context

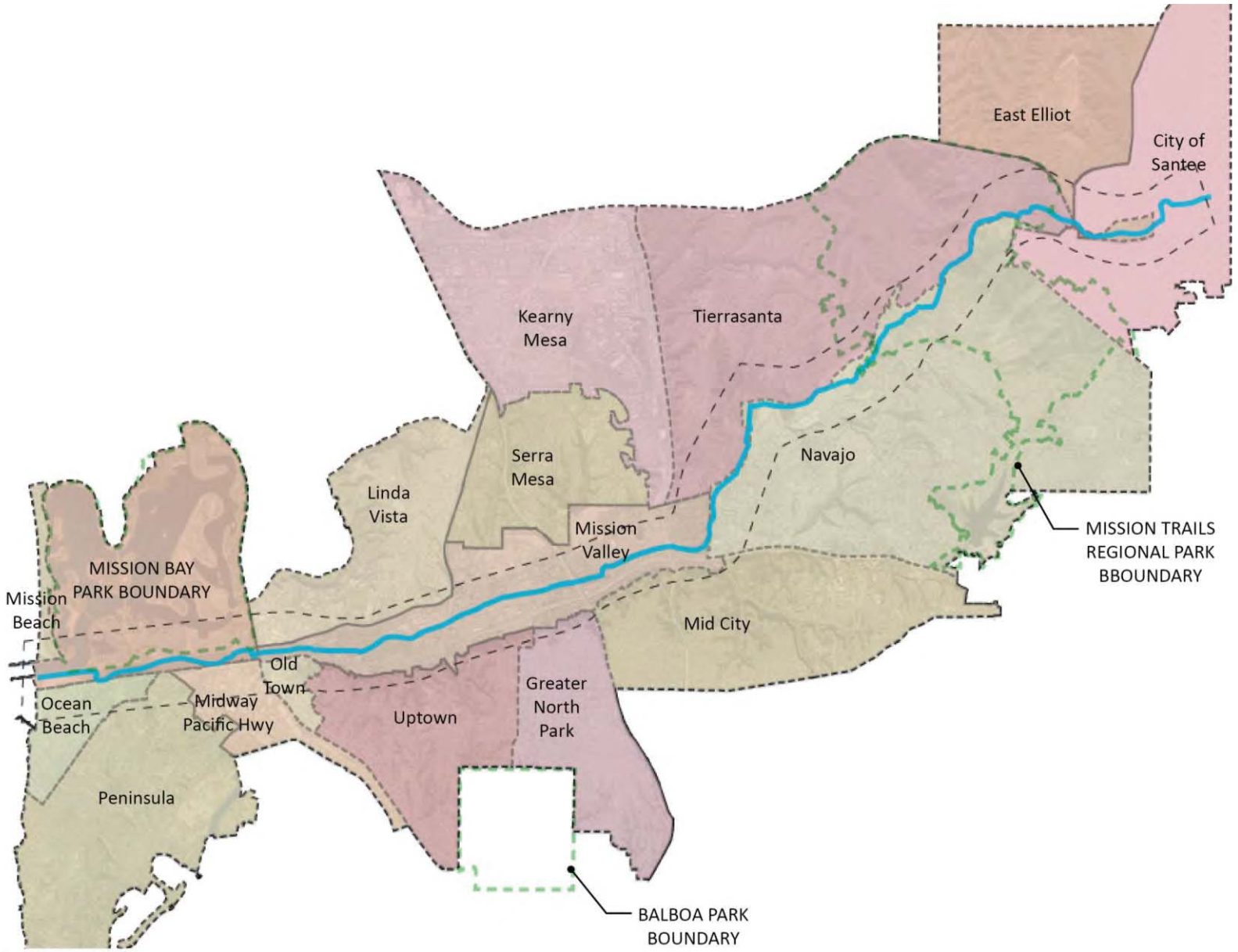


Figure 10. Community Planning Areas

3.2.2 LOWER VALLEY REACH

Overview

The Lower Valley includes the Mission Valley Preserve east to Interstate 15. The Lower Valley Reach is heavily urbanized; extensive paving in the form of parking lots and roadways, massive infrastructure projects and relatively high density development are within this reach. The river's presence is further marginalized by channelization and old mining ponds. Simple lack of space presents a severe hydrological constraint throughout the Lower Valley Reach, and exotic vegetation negatively impacts the reach's native ecosystems.



Lower Valley looking northwest

At the very west end of the Lower Valley is the Mission Valley Preserve, which extends from the Interstate 5 to Sefton Field and the YMCA. The preserve is entirely within the floodplain of the San Diego River. Most of it is riparian in nature, including black willows, cottonwoods, and sycamores. The western edge is estuarine, due to the constant fluctuation of the ocean, with salt grass, pickleweed, and spiny rush. This preserve is home to many wetland species and home to the endangered Least Bell's Vireo, a tiny songbird that nests in the area after wintering in Baja California. The birds usually arrive in the spring, as early as mid-March, and stay until as late as September. The City of San Diego owns and maintains the preserve.



Lower Valley from University of San Diego looking southeast

The surrounding communities within the Lower Valley Reach are particularly deficient in community and neighborhood parks and the San Diego River Park should play a role in addressing this need. In 2009, Sefton Field was dedicated to the City as a 19-acre population-based park, of which 7.37 acres are usable for ball fields and children's play area and the remaining acreage is a mitigation site for the construction of the

Metropolitan Transit System (MTS) trolley. On the north side of the river, across from Sefton Field is the Mission Valley YMCA. This site, 8.3 acres, is owned by the City with a lease to the YMCA for recreation facilities including a recreation building, outdoor multi-use fields and a 50-meter pool. The San Diego River Pathway is located on the south side of the river from the Mission Valley Preserve to Sefton Field. East of Sefton Field, the San Diego River Pathway does not exist along the river. At Fashion Valley Road, the San Diego River Pathway begins again on the north side of the river only and continues under State Highway 163 to the First San Diego River Improvement Project (FSDRIP) at Hazard Center Drive. From Hazard Center Drive, the western boundary of FSDRIP, the San Diego River Pathway is on the north and south side of the river to the end of FSDRIP at Qualcomm Way. The San Diego River Pathway stops at all existing public street intersections within FSDRIP, creating several gaps in the pathway. The City has completed a feasibility study on above-grade connections for the San Diego River Pathway that would close all the gaps within FSDRIP. The next San Diego River Pathway gap occurs under Interstate I-805 due to a large drainage structure. From Interstate 805 to the east, the San Diego River Pathway does not exist as a formal paved path. If additional development occurs west of Fenton Parkway, the San Diego River Pathway will be continued to the Upper Valley Reach. Undeveloped space or public land exists within the lower valley reach, offering opportunities for the river to meander, for wildlife habitat to expand, and for the creation of the San Diego River Pathway and parks.

RECOMMENDATIONS

A. Support the goals of the Mission Valley Preserve and provide additional interpretive signs on the role of the San Diego River in the Preserve.

B. Provide a connection between the San Diego River Pathway and Presidio Park and a kiosk at Presidio Park to identify the San Diego River Pathway. Provide a connection between Sefton Field to the south of the river and the YMCA to the north.

C. Explore options at the Riverwalk Golf Course to extend the San Diego River Pathway along the trolley corridor as a short term measure until the Riverwalk Golf Course is redeveloped into a multi-use development. When the development occurs, extend the San Diego River Pathway along the River Corridor.

D. Pursue opportunities to address the hydrology of the river, to provide public parks and to orientate the new development toward the river in Specific Plan areas, if amended.



Lower Valley Reach

E. Coordinate with Caltrans to establish "green gateways" at the intersection of State Highway 163 and Interstate 805 and the river valley by revegetating the freeway rights-of-ways with native vegetation.

F. Construct bike and pedestrian crossings for the existing San Diego River Pathway at FSDRIP at public street intersections, including Mission Center Road, Camino del Este and Qualcomm Way.

G. Create trail connections to the southern canyons of the Lower Valley, including Buchanan and Normal Heights Canyon, and to the northern canyons, including Murray, Murphy and Ruffin Canyons.

H. Create the San Diego River Pathway connection from Fenton Parkway (on the south side of Mission Valley Library) to I-15 and pursue opportunities to provide a pedestrian/bicycle connection, over the river, from Qualcomm Way to Mission City Parkway.

I. Consider public recreation, the San Diego River Pathway and a naturalized open space along the river when planning any future use of the City's property at the Qualcomm Stadium site.

J. Provide interpretive signage along the San Diego River Pathway about the rich history of the Lower Valley including: the prehistoric Village of Kosa'aay (Cosoy) and Nipaguay; the first Spanish Mission in California; and the farming industry of the 1880's; the sand and gravel companies; the construction of the highway system; and the development of Qualcomm Stadium (formerly known as Jack Murphy Stadium).

The heavily suburbanized condition of the lower valley reach is deficient in developed public parks will require innovative park solutions. The San Diego River Park has the potential to combine "natural" programs, such as the healthy hydrology of the river and its ecological habitat, with "urban" programs, such as active and passive recreation and an accessible and urban corridor edge. By locating recreational activities, such as passive picnic areas or overlooks within the River Corridor Area and active recreational uses in the River Influence Area such as field sports or children's play areas, the river becomes a place of varied experiences. An active river scene will reach out to a large number of user groups and introduce the river's historic and modern faces to a broad spectrum of people. The rights-of-way, associated with the river valley's highways, presents key opportunities to establish green gateways into the river area and the surrounding communities, extending the color and texture of native plant communities along the river.

Space for the river must be sought out in the Lower Valley Reach. Open space easements and property acquisition where feasible are necessary for the San Diego River Park to become a success. The future developments of public land or undeveloped land are opportunities for creating parks and open space. Consistent recommendations regarding new development, streets and landscape should be established for the Lower Valley Reach. Establishing setbacks along the river will allow the San Diego River Park to provide for areas for passive uses as well as active uses.

3.2.3 CONFLUENCE REACH

Overview

The Confluence Reach is the area between Interstate 15 and Friars Road Bridge. It is where Murphy Canyon, Alvarado Canyon and two minor canyons once joined the San Diego River as it turned west to the Pacific Ocean. This place is not only a confluence of canyons and creeks, but a confluence of people and activity throughout the history of San Diego. This is where the El Camino Real met the east-west transportation route following the San Diego River near the Mission San Diego de Alcalá. This reach also acts as a gateway to multiple destinations, allowing users to access Murphy Canyon, Alvarado Canyon, Collwood Canyon, Navajo Canyon and the Mission San Diego de Alcala.

This reach is partially enclosed by a steep canyon wall on the west side and industrial uses on the east side of the river. Interstate 8 on the south further emphasizes the sense of enclosure. Within this reach, east of Interstate 15 on the south side of the river, is a large undeveloped parcel owned by the California Department of Fish and Wildlife. This parcel was owned by Caltrans, but was deeded over to the California Department of Fish and Wildlife during the expansion of Interstate 805. The site is a State Ecological Reserve and is open for public use during daylight hours for hiking on existing trails and fishing from certain areas.

The river is also constrained by a series of old gravel mining ponds below the Friars Road Bridge; these ponds impede the normal hydrologic activities of the river system. Extensive exotic vegetation infestation is present both in the ponds (Ludwigia) and in the river (Arundo donax). As the river turns west, it is isolated by highway infrastructure, private property, and difficult physical terrain. The dense growth of Arundo further adds to the river's inaccessibility. The only section of the San Diego River Pathway constructed in this reach is along the east side of the river



River is choked by invasive vegetation



Development in Grantville should encourage new development to orient to the river

adjacent to some of the existing commercial development. Access to the Mission San Diego de Alcalá from the river is along the public sidewalk along San Diego Mission Road.

The Confluence Reach contains the Grantville Development Subarea A of the Navajo Community. This area is directly adjacent to the east side of the river and has been zoned and built with industrial uses that have turned their backs on the river and used the area as a storage yard and in some cases a waste storage area. Through development of Grantville, the area could to be rezoned with active uses that orient to the river and ensure that the river side of the structures includes plazas, public access and architecture that will step back and allow for air and sunlight to be part of the river corridor. Public parks to serve new residential uses along the river should be located adjacent to the river where possible and provide connections to the San Diego River Pathway.

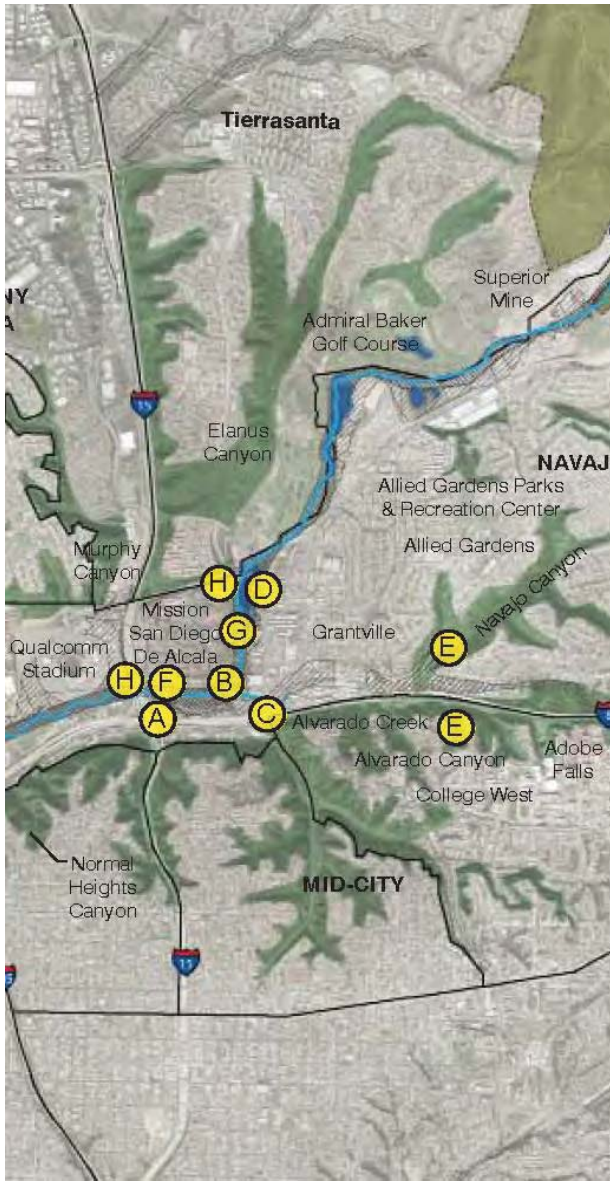
RECOMMENDATIONS

A. Pursue a class I path along Rancho Mission Road and Ward Road and coordinate with the California Department of Fish and Wildlife for a San Diego River Pathway connection on the south side of the river just east of Interstate 15. If a pathway connection cannot be provided alternative connections should be considered. Ensure that trails are designed with safety in mind, and to encourage stewardship and litter prevention.

B. Provide for a San Diego River Pathway connection to San Diego Mission Road from the north side of the river at Rancho Mission Road.

C. Improve water flow under the bridge at Mission Gorge/Fairmount Avenue for the Alvarado Creek to connect to the San Diego River. Provide a pedestrian connection under or over the bridge for access to the San Diego River Pathway from Alvarado Creek.

D. Identify land for public parks and open space through land acquisition or open space easements and identify an alignment for the San Diego River Pathway as Grantville redevelops.



Confluence Reach

E. Improve open space and trail connections with Alvarado Canyon and Navajo Canyon.

F. Create a connection between the San Diego River Park Pathway and the Mission San Diego de Alcalá.

G. Study alternatives to improve the hydrology of the river where the river corridor is narrow and constrained by deep ponds that were created by past sand and gravel mining operations. Separating the river channel from the ponds is recommended where possible and feasible. In addition, it is recommended to remove barriers between pond sections to create a larger, deeper pond.

H. Provide interpretive signage along the San Diego River Pathway about the history of the Confluence Reach including; Mission San Diego de Alcalá and its role in building the first water conveyance system (San Diego Mission Flume), the Kumeyaay village of Nipaguay at the historic mission site, the formation of the large Mexican land grants and the history of the sand and gravel mines.

The development in the Grantville area will provide the tools to change the river landscape in the Confluence Reach. By engaging owners of under-utilized property on the east edge of the river corridor, the development of Grantville may create opportunities for the acquisition of land or establishing public access easements that could allow for a wider river corridor. The river corridor today is highly constrained, however by separating the existing ponds from the river; it may be feasible to accommodate space for a free flowing river. With the ponds separated from the river a more diverse aquatic habitat could be provided. A complementary action might be improving the ponds for recreation activity, such as fishing or non-motorized boating, with resource agency approval.

The west side of the river is steep and narrow, and does not have possibilities for trail construction; however, cantilevered construction may be considered, but could affect the river and habitat. The San Diego River Park pathway can be best accommodated on the east side of the river. There is significant potential to recreate an important wildlife habitat connection between the river valley, Murphy Canyon and Alvarado Creek. Such connections would represent a meaningful first step toward reestablishing the physiographic origins of the river valley. A trail and habitat/open space connection along Alvarado Canyon Creek would link Navajo Canyon with the river corridor, further unifying the river valley's recreational and interpretive resources.

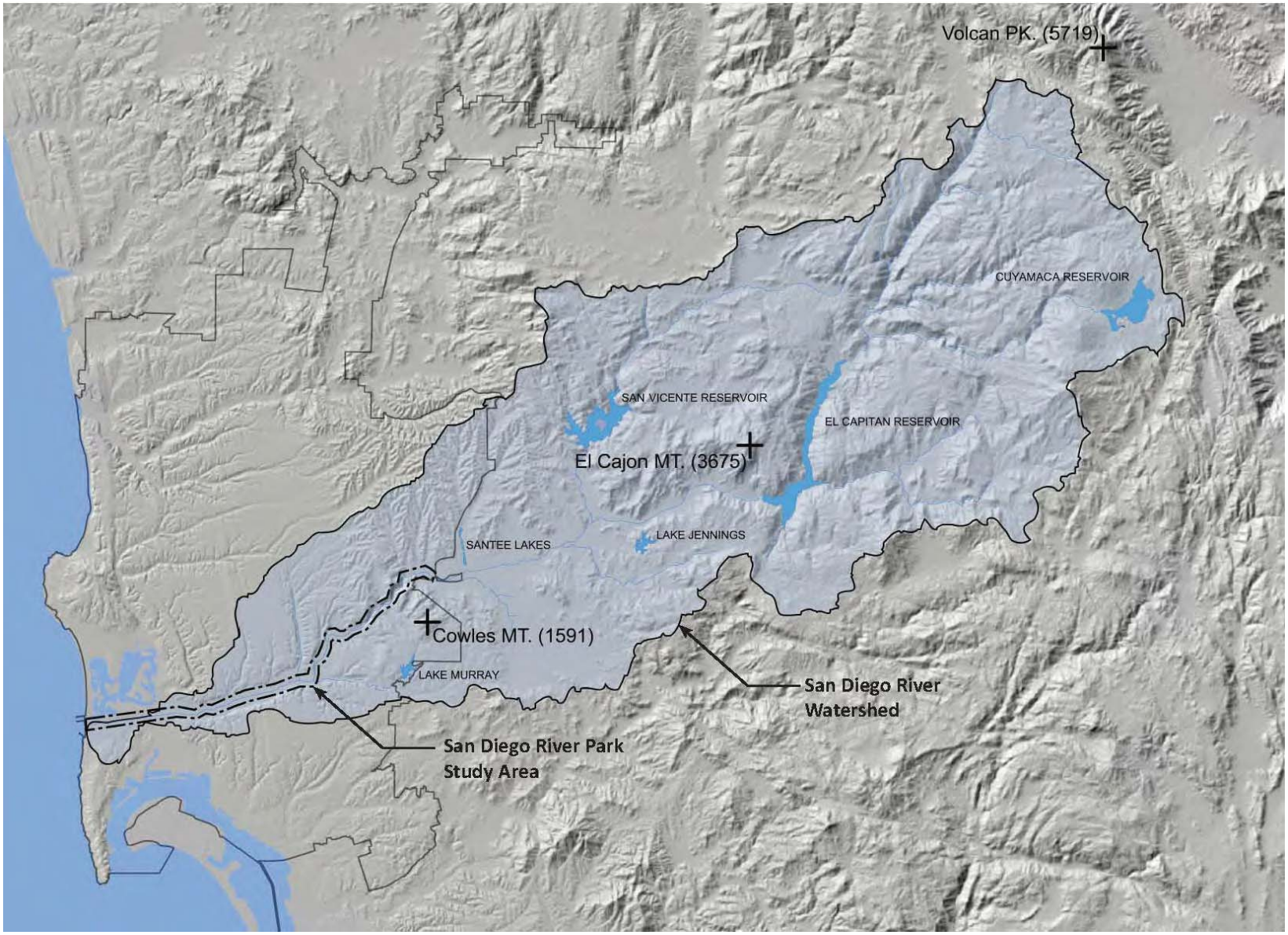


Figure 12. San Diego River Watershed

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Appendix J: Noise Analysis for the Mission Valley Community Plan Update

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RECON

Noise Analysis for the Mission Valley Community Plan Update San Diego, California

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Acronyms and Abbreviations

ADT	average daily traffic
CALGreen	California Green Building Standards
Caltrans	California Department of Transportation
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CNEL	community noise equivalent level
CPU	community plan update
CREATE	Rail Efficiency and Transportation Efficiency
dB	decibel
dB(A)	A-weighted Decibel
EB	eastbound
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating, ventilation, and air conditioning
Hz	hertz
I-15	Interstate 15
I-5	Interstate 5
I-8	Interstate 8
I-805	Interstate 805
inch/sec	inch per second
L_{eq}	one-hour equivalent noise level
LLG	Linscott, Law & Greenspan, Engineers
LOSSAN	Los Angeles–San Diego–San Luis Obispo
L_{MAX}	Maximum sound level
L_{pw}	sound power level
mph	miles per hour
MTS	Metropolitan Transit System
PPV	peak particle velocity
SDMC	San Diego Municipal Code
SEL	sound exposure level
SR-163	State Route 163
VdB	vibration decibel
WB	westbound

Executive Summary

This report evaluates potential local and regional noise impacts associated with the proposed Mission Valley Community Plan Update (CPU). The CPU would update the adopted 1984 Mission Valley Community Plan. The CPU provides goals and supporting policies for future development within the planning area, consistent with the City of San Diego General Plan (General Plan), as well as a long-range, comprehensive policy framework for growth and development in the community through 2050.

The CPU encompasses a broad range of the land use designations defined in the General Plan and contains a more detailed description and distribution of land uses than the citywide General Plan. As related to the issue of noise, the CPU would allow for an increase to the existing number of multi-family dwelling units, which are a noise-sensitive land use. New policies within the CPU are intended to reflect and implement the general noise-reduction recommendations of the General Plan and strategies of other local plans. The CPU policies refine existing General Plan policies with site-specific recommendations applicable to the specific areas within the CPU.

The dominant source of noise in the CPU area is existing vehicle traffic noise from freeways and local roadways. Other sources of noise include trolleys, stationary noise (such mechanical equipment, emergency electrical generators; parking lot activities; and other activities associated with a given land use), and construction activities.

Increase in Ambient Noise

- A significant impact would occur if implementation of the CPU would result in or create a significant increase in the existing ambient noise levels. The CPU area is dominated by freeway noise. There are some roadway segments that experience calculated noise level increases that are 3 decibels (dB) or greater; however, due to the proximity to a freeway and its associated freeway noise, the actual increase in ambient noise levels attributable to the specified roadway would be less than 3 dB. Additionally, there are areas where there are no noise-sensitive land uses. A significant and unavoidable noise impact was identified for existing land uses adjacent to the following three roadway segments. Phyllis Place from Abbots Hill Road to Interstate 805 (I-805) southbound ramps
- Bachman Place from Hotel Circle South to Lewis Street
- Rancho Mission Road from San Diego Mission Road to Camino del Rio North

The increase in ambient noise levels adjacent to these three roadway segments would result in the exposure of existing noise-sensitive receptors to a significant increase in ambient noise levels, and impacts would be significant. Because the significant noise impacts are to existing homes and other noise-sensitive uses in an already urbanized area, there is no feasible mitigation. Thus, impacts to sensitive land uses would remain significant and unavoidable.

An existing regulatory framework and review process exists for new development in areas exposed to high levels of ambient noise. Policies in the proposed CPU and General Plan related to decibel levels, procedures in the San Diego Municipal Code (SDMC), and regulations including Title 24 would reduce traffic noise exposure, because they set standards for the siting of sensitive land uses. Site-specific noise analyses demonstrating that future development implemented under the proposed CPU would not subject sensitive receptors to existing or future noise levels exceeding the Land Use – Noise Compatibility Guidelines of the General Plan would be required as part of the review process for discretionary projects. With the implementation of these regulations and procedures, noise impacts applicable to new discretionary projects would be less than significant as exterior noise would be attenuated. However, in the case of ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts attributed to ministerial projects located in areas that exceed the applicable land use and noise compatibility level would be significant. As there is no procedure to ensure that exterior noise is adequately attenuated for ministerial projects, no feasible mitigation measures are available, and the impact would remain significant and unavoidable. Interior noise impacts for all projects, including ministerial projects, would be less than significant because building permit applicants must demonstrate compliance with the relevant interior noise standards through submission and approval of a Title 24 Compliance Report. The proposed CPU includes a policy encouraging retrofitting of older structures with noise sensitive land uses with acoustically rated windows and doors featuring higher Sound Transmission Class ratings, which is a measure of exterior noise reduction performance. However, because not all existing noise sensitive land uses would be retrofitted, impacts to existing sensitive land uses would be significant and unavoidable.

For all other street segments in the CPU area, the increase in ambient noise would be less than significant.

Land Use Compatibility

A significant impact would occur if implementation of the CPU would result in an exposure of people to current or future transportation noise levels that exceed guidelines established in the Noise Element of the General Plan.

In the CPU areas, noise levels for all land uses would be incompatible (i.e., greater than 75 CNEL) closest to the freeways. These areas are currently developed and the CPU would change the land use designations in some of these areas. While land uses in these areas would be exposed to noise levels that exceed General Plan standards, Section B of the General Plan Noise Element requires future residential uses in areas above 70 CNEL to include noise attenuation measures to ensure interior levels of 45 CNEL and that they be located in an area where a community plan allows multi-family and mixed-use residential uses.

The proposed CPU includes policies that would support site design strategies and noise reduction measures for new development within 500 feet of freeways. Additionally, policies in the General Plan Noise Element require the reduction of traffic noise exposure because

they set standards for the siting of sensitive land uses, while Title 24 requires that projects demonstrate that interior noise levels would be reduced to acceptable levels (45 CNEL or less). General Plan Noise Element policy NE-A.4 requires an acoustical study consistent with the Acoustical Study Guidelines (Table NE-4) for proposed developments in areas where the existing or future noise level exceeds or would exceed the "compatible" noise level thresholds as indicated on the Land Use – Noise Compatibility Guidelines. Future discretionary proposals within the CPU area would, therefore, be required to conduct site-specific exterior noise analyses to demonstrate that the proposed project would not place sensitive receptors in locations where the exterior existing or future noise levels would exceed the Land Use – Noise Compatibility Guidelines. Additionally, for all future discretionary and ministerial projects located in areas where exterior noise levels exceed the Land Use – Noise Compatibility Guidelines, site-specific interior noise analyses demonstrating compliance with the interior noise standards of the General Plan would be required. These requirements for site-specific noise analyses would be implemented through submission of a Title 24 Compliance Report to demonstrate interior noise levels of 45 CNEL. Through implementation of this regulatory framework, exterior traffic noise impacts associated with new discretionary development and interior traffic noise impacts for both ministerial and discretionary projects would be less than significant.

However, in the case of exterior noise impacts associated with ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts for ministerial projects located in areas where the noise level exceeds the applicable land use and noise compatibility level would be significant. As there is no procedure to ensure that exterior noise is adequately attenuated for ministerial projects, no feasible mitigation measures are available and impacts would remain significant and unavoidable. Regarding trolley noise, vehicle traffic noise would exceed the contribution of noise from trolley operations. Although vehicle traffic would be the dominant noise source, trolley noise levels in close proximity to the tracks would contribute to the overall exterior noise level, and the combined vehicle traffic and trolley exterior noise levels could exceed the Land Use – Noise Compatibility Guidelines. Future discretionary proposals within the CPU area would be required to conduct site-specific exterior noise analyses to demonstrate that the proposed project would not place sensitive receptors in locations where the exterior existing or future noise levels would exceed the Land Use – Noise Compatibility Guidelines. However, in the case of exterior noise impacts associated with ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts for ministerial projects located in areas where the noise level exceeds the applicable land use and noise compatibility level would be significant.

Interior noise impacts for both discretionary and ministerial projects would be less than significant because building permit applicants must demonstrate compliance with the relevant interior noise standards through submission and approval of a Title 24 Compliance Report.

The future Mid-Coast Trolley extension (Blue Line Trolley) is currently under construction along the western CPU boundary. The closest station to the CPU area would be located at West Morena Boulevard and Tecolote Road. It is anticipated that rail traffic would generate

a noise level of 60 CNEL at approximately 270 feet from the railway centerline. However, no sensitive land uses exist or are proposed in the CPU area adjacent to the Blue Line Trolley extension and, thus, there would be no noise impacts due to future Blue Line Trolley operations. The Mid-Coast Corridor Transit Project noise analysis also found noise impacts in this area to be less than significant (SANDAG 2014).

The Regional Plan's planned Purple Line Trolley would provide a new north-south transit connection through the Stadium Specific Plan area and would generally parallel to Interstate 15 (I-15). It is anticipated that noise levels due to future Purple Line Trolley operation would be similar to noise levels from the Blue and Green Line Trolleys. Vehicle traffic noise levels along I-15 would exceed 70 and 75 CNEL in the vicinity of the future Purple Line Trolley alignment. As with the Blue and Green Line Trolleys, vehicle traffic noise would exceed the contribution of noise from trolley operations. However, the exact alignment of the Purple Line Trolley is not known at this time, and it could be located in close proximity to noise sensitive land uses. As with the Green Line Trolley, although vehicle traffic would be the dominant noise source, trolley noise levels in close proximity to the tracks would contribute to the overall exterior noise level, and the combined vehicle traffic and trolley exterior noise levels could exceed the Land Use – Noise Compatibility Guidelines, resulting in a significant and unavoidable impact.

Stationary Noise

A significant impact could occur if implementation of the CPU resulted in the exposure of people to noise levels that exceed property line limits established in the Noise Abatement and Control Ordinance of the San Diego Municipal Code (SDMC). Implementation of the CPU would promote pedestrian-oriented mixed-use area. Mixed-use and areas where residential uses are located in proximity to commercial sites could result in exposure of sensitive receptors to additional noise. Although noise-sensitive residential land uses would be exposed to noise associated with the operation of commercial uses, future projects would be required to show compliance with the Noise Abatement and Control Ordinance to ensure noise compatibility between various land uses. Through enforcement of the Noise Abatement and Control Ordinance of the SDMC, impacts would be less than significant.

Construction Noise

Although no specific construction or development is proposed at this time, construction noise impacts could occur as future development within the CPU area occurs. Due to the developed nature of the CPU area, there is a high likelihood that construction activities would take place adjacent to existing structures and that sensitive receptors would be located in proximity to construction activities. The City regulates noise associated with construction equipment and activities through its Noise Abatement and Control Ordinance, which puts limits on the days of the week and hours of operation allowed for construction. Hourly average noise levels would be approximately 83 dB(A) one-hour equivalent noise level (L_{eq}) at 50 feet from the center of construction activity when assessing three pieces of common construction equipment working simultaneously. Construction noise levels of

would attenuate to 75 dB(A) L_{eq} at 120 feet. Therefore, significant impacts would occur if sensitive land uses are located closer than 120 feet from construction activities. Implementation of the mitigation measures specified in Section 8.4 of this analysis would reduce construction-related noise impacts. However, even with implementation of this mitigation, at the program level it cannot be known whether the noise reduction measures would be adequate to reduce noise levels to below a level of significance. Construction noise impacts would therefore be significant and unavoidable.

Vibration

Potential sources of ground-borne vibration could occur as a result of railway operations. The Mid-Coast Corridor Transit Project noise and vibration analysis found vibration impacts to be less than significant (SANDAG 2014). The east-west Green Line Trolley bisects the CPU area. The Federal Transit Administration (FTA) methodology and equations provided in their Transit Noise and Vibration Impact Assessment Manual (FTA 2018) were used to calculate potential site-specific vibration levels within the CPU area. Portions of the Green Line Trolley tracks are on elevated structures and do not cause significant vibration impacts to adjacent development. Areas where noise- and vibration-sensitive uses are located the closest to the tracks (as close as 25 feet) are at the existing trolley stations. Because all trolleys stop at each station, trolley speeds approaching and departing from the stations would be very low and would not cause significant vibration levels over existing levels. These screening distances are therefore conservative. Impacts related to trolley vibration associated with the Green Line trolley would be less than significant. The future Purple Line Trolley would run through the Stadium Specific Plan area. The exact alignment is not known at this time; however, vibration impacts and screening distances for the Purple Line Trolley are anticipated to be the same as those for the Green Line Trolley. Impacts would be less than significant.

1.0 Introduction

The Mission Valley Community Plan Update (CPU) provides goals and supporting policies for future development within the planning area consistent with the 2008 General Plan and provides a long-range, comprehensive policy framework for growth and development in the community through 2050. The purpose of this study is to assess the potential for significant adverse noise impacts resulting from development that could occur with the CPU area.

2.0 Project Description

2.1 Project Location

Mission Valley is located at nearly the geographic center of the city of San Diego. The CPU area encompasses the valley formed by the San Diego River, a significant natural and recreational asset for the city. The CPU area sits at the crossroads of the regional freeway system, with access from Interstate 5 (I-5), Interstate 8 (I-8), Interstate 15 (I-15), Interstate 805 (I-805) and State Route 163 (SR-163). The CPU area is a regional center of offices, hotels, and retail sales. The CPU area is also a major regional visitor center, hosting a large number of hotels in close proximity to nearby tourist attractions such as Mission Bay, Sea World, and Balboa Park.

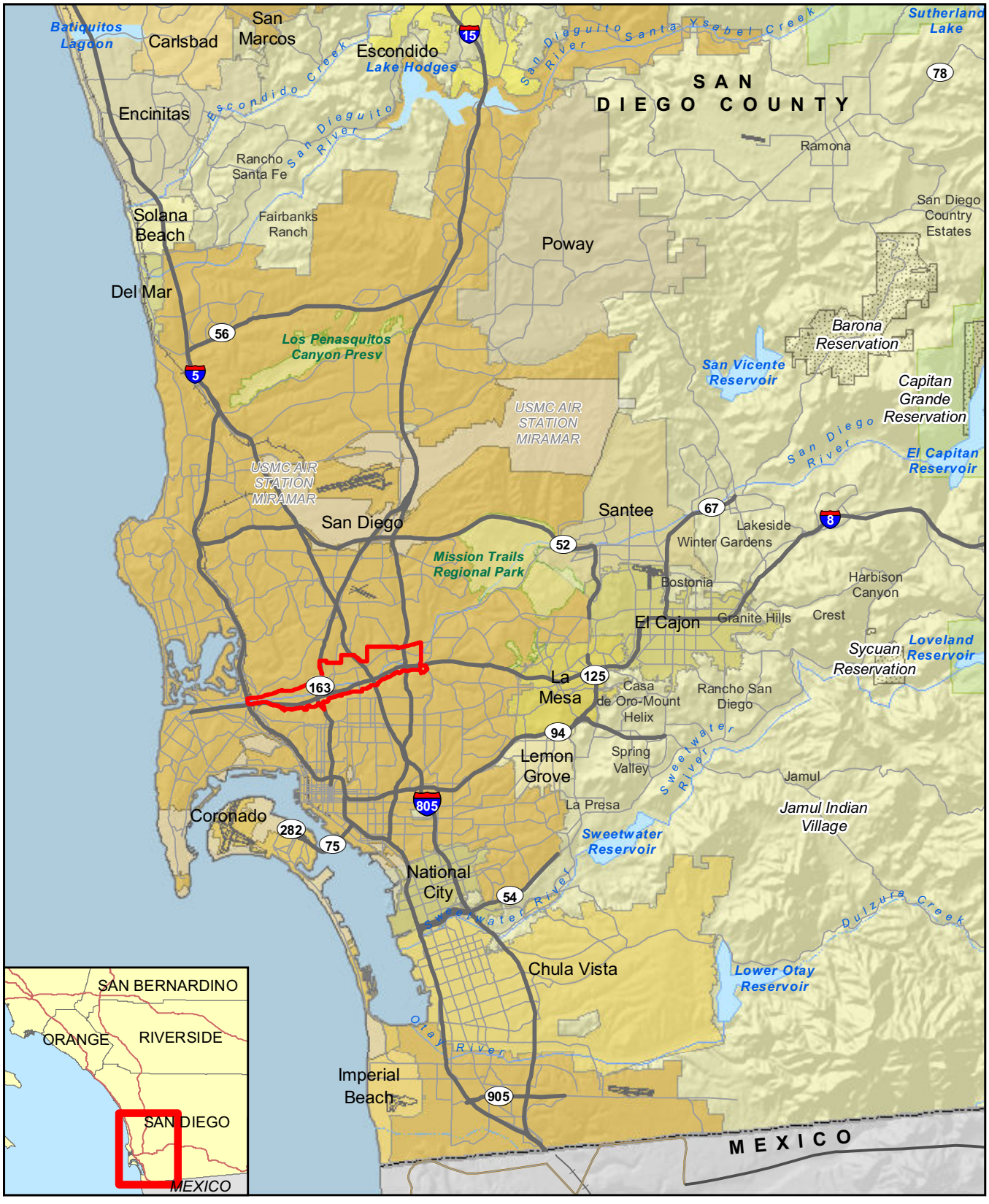
The CPU area encompasses 3,216 acres, or 2,428 acres not including rights-of-way, and is generally bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and I-5 on the west. The CPU area is surrounded by several other community planning areas: Old Town San Diego, Uptown, Greater North Park, Normal Heights, Kensington–Talmadge, College Area, Navajo, Tierrasanta, Kearny Mesa, Serra Mesa, Linda Vista, and Mission Bay Park.

Figure 1 shows the regional location of the CPU area and Figure 2 shows an aerial photograph.

2.2 Project Overview

The CPU would update the adopted 1984 Mission Valley Community Plan. The CPU provides goals and supporting policies for future development within the CPU area, consistent with the General Plan, and a long-range, comprehensive policy framework for growth and development in the community through 2050.

The CPU addresses a range of topics, including land use; mobility; urban design; economic prosperity; public facilities, services, and safety; recreation; conservation; noise; historic preservation; and arts and culture.



Mission Valley Community Plan Boundary

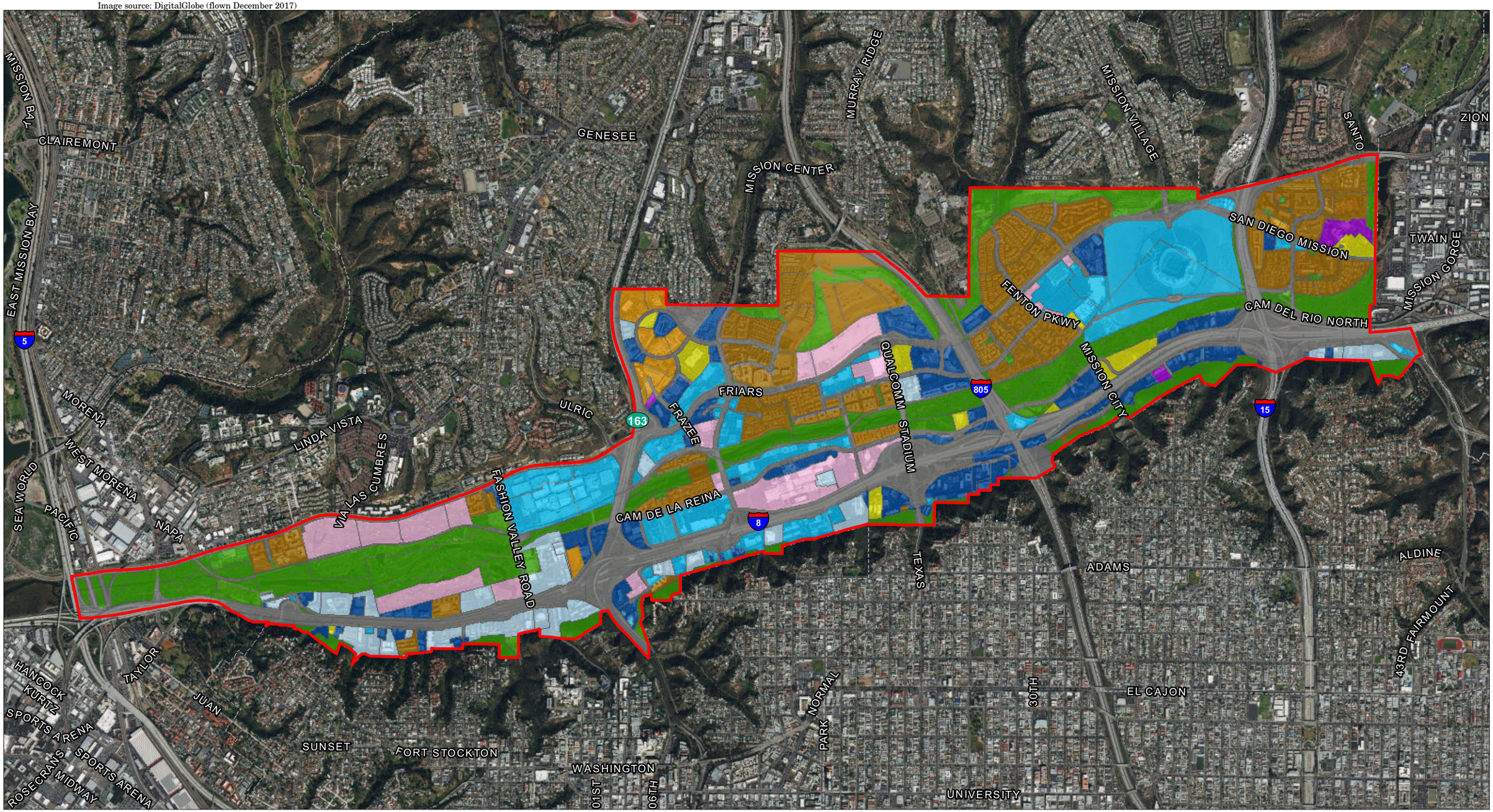
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FIGURE 1

Regional Location

Image source: DigitalGlobe (flown December 2017)



Mission Valley Community Plan Boundary

Existing Planned Land Use

- Commercial
- Hotel/Motel
- Office Space
- Industrial
- Mixed Use
- Public Services and Healthcare
- Educational
- Parks and Open Space
- Residential
- Transportation, Communitcations and Utilities

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FIGURE 2

Existing Community Plan Land Use

The CPU evaluates existing conditions on a community-wide level and develops the long-term vision for Mission Valley. In addition to augmenting the General Plan and providing detailed land use guidance for the Mission Valley community, the CPU would also play a role in helping to achieve statewide regulatory objectives including reducing greenhouse gas emissions; promoting public health; improving air and water quality; reducing automobile use and fuel consumption; encouraging efficient development patterns; protecting natural and agricultural resources; encouraging infill and compact development; revitalizing urban and community centers; increasing availability of affordable housing; promoting water conservation; improving the infrastructure system; and promoting energy efficiency and conservation measures.

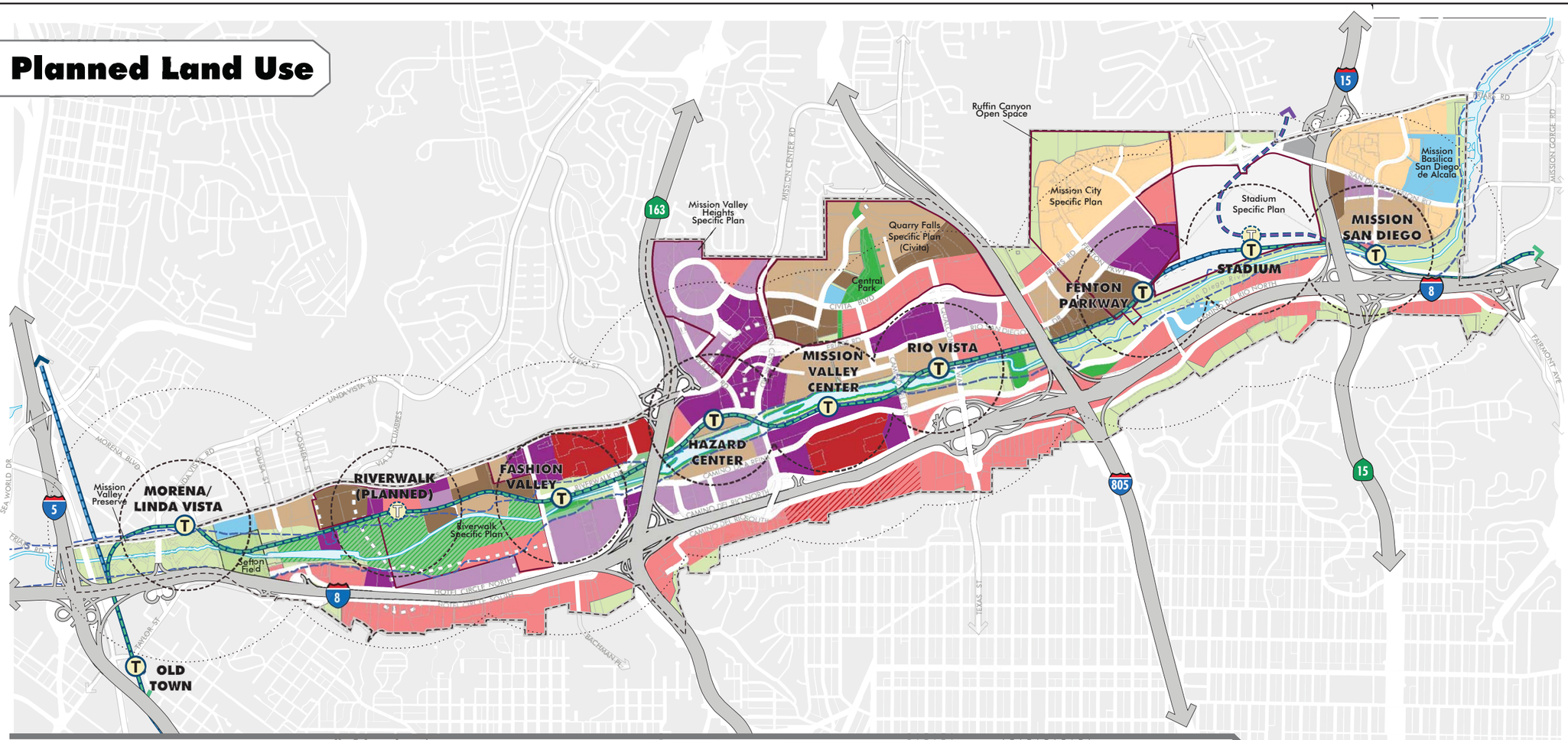
2.3 Development Summary

The CPU encompasses a broad range of the land use designations defined in the General Plan and contains a more detailed description and distribution of land uses than the citywide General Plan. Land uses for the base year (2012), the adopted Community Plan, and the proposed CPU build-out are summarized in Table 1. Figure 3 shows the proposed CPU land uses.

Table 1
Existing, Adopted, and Proposed Land Uses

Land Use	Base Year (2012)	Adopted Community Plan (2050)	Proposed CPU (2050)
Residential Development (dwelling units)			
Single Family	1	1	1
Multi-Family	11,243	23,199	39,156
Total Housing	**11,244**	**23,200**	**39,157**
Non-Residential Development (square feet)			
Commercial/Retail	5,231,350	6,215,920	7,244,347
Office	7,418,523	11,788,498	12,087,208
Motel/Hotel	3,648,880	6,293,266	4,406,391
Industrial	603,210	529,348	120,711
Institutional/Community Facilities	158,839	175,129	195,358
Hospital/Clinic	67,223	67,223	42,803
University and Other College	247,577	223,098	189,163
Schools K to 12	96,200	96,200	105,650
Recreational	195,181	180,956	646,278
Total Non-Residential Development	17,666,983	25,569,638	25,037,909

Planned Land Use



General Information

- Mission Valley Community Plan Area
- 100 Year Floodway
- Specific Plan
- Parcels
- Planned Roadway

Transit

- Existing Trolley (Blue Line)
- Existing Trolley (Green Line)
- Planned Trolley (Purple Line)
- Planned Trolley Stop (Riverwalk)

Land Use

- Mixed Use (HD)
- Mixed Use (MD)
- Residential (HD)
- Residential (MD)
- Residential (LD)
- Commercial/Office/Hotel
- Regional Retail
- Office/Hotel/Regional Retail
- Public/Institutional

Park and Open Space

- Existing Park
- Existing Open Space
- Potential Park
- Potential Open Space
- Potential Park/Open Space

40ac
10ac

0 1/4 1/2 1
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FIGURE 3
Proposed CPU Land Uses

2.4 Policies and Implementing Actions

The CPU contains policies and implementing actions to guide future development within the CPU area. The following policies are related to noise:

Residential Development

- RES-5 Any residential development built within 500 feet of a freeway needs to be designed to minimize the exposure of freeway noise, including siting buildings and balconies perpendicular to the freeway, and using parking structures to shield units from noise.

Commercial Development

- COM-7 Any new commercial development sited adjacent to residential development should provide for the privacy and noise attenuation of adjacent homes.

Noise

- NOI-1 Beyond site planning strategies, new development within 500 feet of the freeway should include building design techniques that address noise exposure and the insulation of buildings to reduce interior noise levels to acceptable limits. Methods may include, but are not limited to, forced-air ventilation systems, double-paned or sound rated windows, sound insulating exterior walls and roofs, and attic vents.
- NOI-2 New development should include site planning techniques and landscaping to help minimize exposure of noise sensitive uses to rail corridor and trolley line noise.

Area Specific: Freeway Adjacent

- FAD-1 Buildings adjacent to a freeway should be buffered from the freeway by off-street parking or ample landscaping.
- FAD-2 Freeway-adjacent buildings should be oriented such that courtyards and residential units with operable windows and balconies face away from the freeway.
- FAD-3 All residential units should be located above the freeway elevation.
- FAD-4 All freeway-adjacent development should incorporate noise attenuation measures.

Implementing Actions: Public Facilities, Services, and Safety

- IA-91 Coordination. Work with the California Department of Transportation (Caltrans) to landscape freeway-highway rights-of-way buffers and install low noise pavement surfaces, berms, and noise barriers to mitigate state freeway and highway traffic noise.

- IA-92 Seek to reduce exposure, when parks are in noisier areas, through site planning, including locating the most noise sensitive uses, such as children's play areas and picnic tables, in the quieter areas of the site.
- IA-93 Exposure Mitigation. Limit future residential and other noise-sensitive land uses in areas exposed to high levels of noise.

3.0 Fundamentals of Noise and Vibration

3.1 Fundamentals of Noise

Sound levels are described in units called the decibel (dB). Decibels are measured on a logarithmic scale that quantifies sound intensity in a manner similar to the Richter scale used for earthquake magnitudes. Thus, a doubling of the energy of a noise source, such as doubling of traffic volume, would increase the noise level by 3 dB; a halving of the energy would result in a 3 dB decrease.

Additionally, in technical terms, sound levels are described as either a "sound power level" or a "sound pressure level," which while commonly confused are two distinct characteristics of sound. Both share the same unit of measure, the dB. However, sound power, expressed as L_{pw}, is the energy converted into sound by the source. The L_{pw} is used to estimate how far a noise will travel and to predict the sound levels at various distances from the source. As sound energy travels through the air, it creates a sound wave that exerts pressure on receivers such as an ear drum or microphone and is the sound pressure level. Noise measurement instruments only measure sound pressure, and noise level limits used in standards are generally sound pressure levels.

The human ear is not equally sensitive to all frequencies within the sound spectrum. To accommodate this phenomenon, the A-scale, which approximates the frequency response of the average young ear when listening to most ordinary everyday sounds, was devised. When people make relative judgments of the loudness or annoyance of a sound, their judgments correlate well with the A-scale sound levels of those sounds. Therefore, the "A-weighted" noise scale is used for measurements and standards involving the human perception of noise. Noise levels using A-weighted measurements are designated with the notation dB(A).

The impact of noise is not a function of loudness alone. The time of day when noise occurs and the duration of the noise are also important. In addition, most noise that lasts for more than a few seconds is variable in its intensity. Consequently, a variety of noise descriptors has been developed. The noise descriptors used for this study are the one-hour equivalent noise level (L_{eq}), the community noise equivalent level (CNEL), and the sound exposure level (SEL). The CNEL is a 24-hour equivalent sound level. The CNEL calculation applies a 5 dB(A) penalty to noise occurring during evening hours, between 7:00 p.m. and 10:00 p.m., and a 10 dB(A) penalty is added to noise occurring during the night, between 10:00 p.m. and 7:00 a.m. These increases for certain times are intended to account for the added

sensitivity of humans to noise during the evening and night. The SEL is a noise level over a stated period of time or event and normalized to one second.

Sound from a small, localized source (approximating a "point" source) radiates uniformly outward as it travels away from the source in a spherical pattern, known as geometric spreading. The sound level decreases or drops off at a rate of 6 dB(A) for each doubling of the distance.

Traffic noise is not a single, stationary point source of sound. The movement of vehicles makes the source of the sound appear to emanate from a line (line source) rather than a point when viewed over some time interval. The drop-off rate for a line source is 3 dB(A) for each doubling of distance.

The propagation of noise is also affected by the intervening ground, known as ground absorption. A hard site (such as parking lots or smooth bodies of water) receives no additional ground attenuation, and the changes in noise levels with distance (drop-off rate) are simply the geometric spreading of the source. A soft site (such as soft dirt, grass, or scattered bushes and trees) receives an additional ground attenuation value of 1.5 dB(A) per doubling of distance. Thus, a point source over a soft site would attenuate at 7.5 dB(A) per doubling of distance.

Human perception of noise has no simple correlation with acoustical energy. A change in noise levels is generally perceived as follows: 3 dB(A) barely perceptible, 5 dB(A) readily perceptible, and 10 dB(A) perceived as a doubling or halving of noise (California Department of Transportation [Caltrans] 2013).

3.2 Fundamentals of Vibration

Vibration consists of energy waves transmitted through solid material (Federal Transit Administration [FTA] 2006). Groundborne vibration propagates from the source through the ground to adjacent buildings by surface waves. Vibration may be composed of a single pulse, a series of pulses, or a continuous oscillatory motion. The frequency of a vibrating object describes how rapidly it is oscillating, measured in hertz (Hz). The normal frequency range of most groundborne vibration that can be felt generally starts from a low frequency of less than 1 Hz to a high of about 200 Hz (FTA 2018).

Vibration energy spreads out as it travels through the ground, causing the vibration amplitude to decrease with distance away from the source. Groundborne vibration is measured by its peak particle velocity (PPV). The PPV is normally described in inches per second (inch/sec). PPV is appropriate for determining potential structure damage but does not evaluate human response to vibration. The ground motion caused by vibration may also be described in decibel notation (vibration decibels), referenced as VdB, which serves to compress the range of numbers required to describe vibration relative to human response. The general human response to different levels of groundborne vibration velocity levels is described in Table 2.

Table 2 Human Response to Different Levels of Groundborne Vibration	
Vibration Velocity Level	Human Reaction
65 VdB	Approximate threshold of perception for many people.
75 VdB	Approximate dividing line between barely perceptible and distinctly perceptible. Many people find that transportation-related vibration at this level is unacceptable.
85 VdB	Vibration acceptable only if there are an infrequent number of events per day.
SOURCE: FTA 2018. VdB = vibration decibel	

Groundborne vibration can be a concern for nearby residents along a transit system route or maintenance facility, causing buildings to shake and rumbling sounds to be heard. In contrast to groundborne noise, described below, groundborne vibration is not a common environmental problem. It is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. Some common sources of groundborne vibration are trains; buses on rough roads; and construction activities such as blasting, pile-driving, and operating heavy earth-moving equipment.

The rumbling sound caused by the vibration of building structures is referred to as groundborne noise. Like broadband noise, groundborne noise is usually characterized with the A-weighted sound level, which is intended to represent the normal frequency response of the human ear. However, there are potential problems when characterizing low-frequency noise using A-weighting, because human hearing causes sounds dominated by low-frequency components to seem louder than broadband sounds that have the same A-weighted level. This is accounted for by setting the limits for groundborne noise lower than would be the case for broadband noise. The sound level accompanying vibration is generally 25 to 40 dB(A) lower than the vibration velocity level in VdB. Groundborne vibration levels of 65 VdB can result in groundborne noise levels up to 40 dB(A), which can disturb sleep. Groundborne vibration levels of 85 VdB can result in groundborne noise levels up to 60 dB(A), which can be annoying to daytime noise-sensitive land uses such as schools (FTA 2018).

4.0 Applicable Standards and Guidelines

The CPU area is exposed to noise from vehicle traffic on area roadways, trolley operations, construction, and from other local noise sources. Federal noise standards include transportation-related noise sources related to interstate commerce (i.e., aircraft, trains, and trucks) for which there are not more stringent state standards. State noise standards are set for automobiles, light trucks, and motorcycles. Local noise standards and guidelines are set for industrial, commercial, and construction activities subject to local noise ordinances and General Plan policies. The following is a detailed discussion of the applicable local regulations.

4.1 City of San Diego CEQA Thresholds

The noise section of the City of San Diego's Significance Determination Thresholds for the California Environmental Quality Act (CEQA) identifies thresholds for traffic noise (City of San Diego 2016). These noise levels are summarized in Table 3 below.

Table 3
Traffic Noise Significance Thresholds
(dB[A] CNEL)

Structure or Proposed Use that would be Impacted by Traffic Noise	Interior Space	Exterior Useable Space*	General Indication of Potential Significance
Single-family detached	45 dB	65 dB	Structure or outdoor useable area is <50 feet from the center of the closest (outside) lane on a street with existing or future ADTs >7,500
Multi-family, school, library, hospital, day care center, hotel, motel, park, convalescent home	Development Services Department ensures 45 dB pursuant to Title 24	65 dB	
Office, church, business, professional uses	n/a	70 dB	Structure or outdoor useable area is <50 feet from the center of the closest lane on a street with existing or future ADTs >20,000
Commercial, retail, industrial, outdoor spectator sports uses	n/a	75 dB	Structure or outdoor useable area is <50 feet from the center of the closest lane on a street with existing or future ADTs >40,000

SOURCE: City of San Diego 2016.
ADT = average daily traffic; dB = decibel
*If a project is currently at or exceeds the significance thresholds for traffic noise described above and noise levels would result in less than a 3 dB increase, then the impact is not considered significant.

4.2 California Code of Regulations

4.2.1 Noise Insulation Standards

Interior noise levels for habitable rooms are regulated by Title 24 of the California Code of Regulations (CCR; 2016), California Noise Insulation Standards. Title 24, Chapter 12, Section 1207 of the California Building Code requires that interior noise levels, attributable to exterior sources, not exceed 45 CNEL in any habitable room within a residential structure. A habitable room in a building is used for living, sleeping, eating, or cooking. Bathrooms, closets, hallways, utility spaces, and similar areas are not considered habitable rooms for this regulation (24 CCR 1207 2016).

4.2.2 California Green Building Standards Code – Environmental Comfort

For nonresidential structures, Title 24, Chapter 12, Section 1207.5 refers to 2016 California Green Building Standards (CALGreen), Chapter 5 – Nonresidential Mandatory Measures, Division 5.5 – Environmental Quality, Section 5.507 – Environmental Comfort, Subsection 5.507.4 – Acoustical Control. Pursuant to these standards, all nonresidential building construction shall employ building assemblies and components that achieve a composite sound transmission class rating of at least 50 or shall otherwise demonstrate that exterior noise shall not result in interior noise environment where noise levels exceed 50 A-weighted equivalent decibels [dB(A) L_{eq}] in occupied areas during any hour of operation (24 CCR 1207.5 2016).

4.3 City of San Diego General Plan

The Noise Element of the General Plan specifies compatibility guidelines for different categories of land use. The land use compatibility guidelines are summarized in Table 4. As shown in Table 4, for a particular land use category, noise levels are either considered compatible, conditionally compatible, or incompatible. A "compatible" land use indicates that standard construction methods will attenuate exterior noise to an acceptable indoor noise level and people can carry out outdoor activities with minimal noise interference. Evaluation of land use that falls into the "conditionally compatible" noise environment should have an acoustical study. For land uses indicated as conditionally compatible, structures must be capable of attenuating exterior noise to the indoor noise level shown in Table 4. For land uses indicated as incompatible, new construction should generally not be undertaken. Due to severe noise interference, outdoor activities are unacceptable and for structures, extensive mitigation techniques are required to make the indoor environment acceptable.

The City specifies that residential structures shall be designed to prevent the intrusion of exterior noises such that interior noise levels attributable to exterior sources do not exceed 45 CNEL in noise-sensitive interior rooms. This conforms to Title 24 of the CCR, which requires interior noise levels for habitable rooms due to exterior sources not to exceed 45 CNEL (see Section 4.2.1). The City also specifies that the interior noise level due to exterior sources is not to exceed 45 CNEL for institutional uses and is not to exceed 50 CNEL for office buildings and commercial uses.

Table 4
City of San Diego – Land Use – Noise Compatibility Guidelines

Land Use Category	Exterior Noise Exposure [dB(A) CNEL] 60	65	70	75	
Parks and Recreational					
Parks, Active and Passive Recreation					
Outdoor Spectator Sports, Golf Courses; Water Recreational Facilities; Indoor Recreation Facilities					
Agricultural					
Crop Raising & Farming; Community Gardens, Aquaculture, Dairies; Horticulture Nurseries & Greenhouses, Animal Raising, Maintain & Keeping; Commercial Stables					
Residential					
Single Dwelling Units; Mobile Homes		45			
Multiple Dwelling Units **For uses affected by aircraft noise, refer to Policies NE-D.2. & NE-D.3.*		45	45*		
Institutional					
Hospitals; Nursing Facilities; Intermediate Care Facilities; Kindergarten through Grade 12 Educational Facilities; Libraries; Museums; Places of Worship; Child Care Facilities		45			
Other Educational Facilities including Vocational/Trade Schools and Colleges and Universities)		45	45		
Cemeteries					
Retail Sales					
Building Supplies/Equipment; Food, Beverages & Groceries; Pets & Pet Supplies; Sundries, Pharmaceutical, & Convenience Sales; Wearing Apparel & Accessories			50	50	
Commercial Services					
Building Services; Business Support; Eating & Drinking; Financial Institutions; Maintenance & Repair; Personal Services; Assembly & Entertainment (includes public and religious assembly); Radio & Television Studios; Golf Course Support			50	50	
Visitor Accommodations		45	45	45	
Offices					
Business & Professional; Government; Medical, Dental & Health Practitioner; Regional & Corporate Headquarters			50	50	
Vehicle and Vehicular Equipment Sales and Services Use					
Commercial or Personal Vehicle Repair & Maintenance; Commercial or Personal Vehicle Sales & Rentals; Vehicle Equipment & Supplies Sales & Rentals; Vehicle Parking					
Wholesale, Distribution, Storage Use Category					
Equipment & Materials Storage Yards; Moving & Storage Facilities; Warehouse; Wholesale Distribution					
Industrial					
Heavy Manufacturing; Light Manufacturing; Marine Industry; Trucking & Transportation Terminals; Mining & Extractive Industries					
Research & Development				50	

	Compatible	Indoor Uses	Standard construction methods should attenuate exterior noise to an acceptable indoor noise level. Refer to Section I.
		Outdoor Uses	Activities associated with the land use may be carried out.
	Conditionally Compatible	Indoor Uses	Building structure must attenuate exterior noise to the indoor noise level indicated by the number for occupied areas. Refer to Section I.
		Outdoor Uses	Feasible noise mitigation techniques should be analyzed and incorporated to make the outdoor activities acceptable. Refer to Section I.
	Incompatible	Indoor Uses	New construction should not be undertaken.
		Outdoor Uses	Severe noise interference makes outdoor activities unacceptable.

SOURCE: City of San Diego General Plan 2015.
dB(A) = A-weighted decibels; CNEL = community noise equivalent level

In addition to the compatibility guidelines shown in Table 4, Section B of the Noise Element provides additional guidance for multi-family and mixed-use residential developments that is applicable to the CPU area. Section B of the Noise Element states that although not generally considered compatible, the City conditionally allows multi-family and mixed-use residential uses up to 75 CNEL with a requirement to include attenuation measures to ensure an interior noise level of 45 CNEL where a community plan allows multi-family and mixed-use. In addition, the General Plan contains the following policies regarding the preparation of acoustical studies and interior noise guidelines:

NE-A.4. Require an acoustical study consistent with Acoustical Study Guidelines (Table NE-4) for proposed developments in areas where the existing or future noise level exceeds or would exceed the "compatible" noise level thresholds as indicated on the Land Use – Noise Compatibility Guidelines (Table NE-3), so that noise mitigation measures can be included in the project design to meet the noise guidelines.

NE-I.1. Require noise attenuation measures to reduce the noise to an acceptable noise level for proposed developments to ensure an acceptable interior noise level, as appropriate, in accordance with California's noise insulation standards (CCR Title 24) and Airport Land Use Compatibly Plans.

NE-I.2. Apply CCR Title 24 noise attenuation measures requirements to reduce the noise to an acceptable noise level for proposed single-family, mobile homes, senior housing, and all other types of residential uses not addressed by CCR Title 24 to ensure an acceptable interior noise level, as appropriate.

NE-E.5. Implement night and daytime on-site noise level limits to address noise generated by commercial uses where it affects abutting residential and other noise-sensitive uses.

4.4 City of San Diego Municipal Code

While the General Plan Noise Element addresses land use compatibility of a proposed use with the surrounding noise environment, the City's Municipal Code addresses the noise generated on-site impacting adjacent properties. This includes both on-site stationary noise and temporary construction noise.

4.4.1 Stationary Noise

Impacts to sensitive receptors generated by activities at a given location are regulated by the City's Municipal Code. Section 59.5.0401 of the Noise Ordinance specifies maximum one-hour average sound level limits at the boundary of a property. These maximum one-hour sound level limits are the maximum noise levels allowed at any point on or beyond the property boundaries due to activities occurring on the property. Where two or more zones adjoin, the sound level limit is the arithmetic mean of the respective limits for the two zones. Table 5 shows the exterior noise limits specified in the City's Noise Control Ordinance.

Table 5 City of San Diego Property Line Noise Limits			
	Noise Level [dB(A)]		
Receiving Land Use Category	7:00 a.m. to 7:00 p.m.	7:00 p.m. to 10:00 p.m.	10:00 p.m. to 7:00 a.m.
Single-family Residential	50	45	40
Multi-family Residential (up to a maximum density of 1 dwelling unit/2,000 square feet)	55	50	45
All Other Residential	60	55	50
Commercial	65	60	60
Industrial or Agricultural	75	75	75
SOURCE: City of San Diego, Municipal Code Section 59.5.0401.			

4.4.2 Construction Noise

Construction noise is regulated by the City's Municipal Code. Section 59.5.0404 of the Municipal Code, the Noise Abatement and Control Ordinance, states that:

A. It shall be unlawful for any person, between the hours of 7:00 p.m. of any day and 7:00 a.m. of the following day, or on legal holidays as specified in Section 21.04 of the San Diego Municipal Code, with exception of Columbus Day and Washington's Birthday, or on Sundays, to erect, construct, demolish, excavate for, alter or repair any building or structure in such a manner as to create disturbing, excessive or offensive noise.

B. . . . it shall be unlawful for any person, including the City of San Diego, to conduct any construction activity so as to cause, at or beyond the property lines of any property zoned residential, an average sound level greater than 75 decibels during the 12-hour period from 7:00 a.m. to 7:00 p.m.

4.5 Vibration

Numerous public and private organizations and governing bodies have provided guidelines to assist in the analysis of groundborne noise and vibration. While the City has not established specific groundborne noise and vibration standards, guidelines from the FTA and Caltrans serve as a useful tool to evaluate vibration impacts. Caltrans guidelines recommend that a standard of 0.2 inch/sec PPV not be exceeded for the protection of normal residential buildings and that 0.08 inch/sec PPV not be exceeded for the protection of old or historically significant structures (Caltrans 2004). With respect to human response within residential uses (i.e., annoyance, sleep disruption), FTA recommends a maximum acceptable vibration standard of 80 VdB (FTA 2018).

5.0 Existing Conditions

5.1 Noise Measurements

As part of this assessment, ambient noise levels were measured in the planning area to provide a characterization of the variability of noise and to assist in determining constraints and opportunities for future development. Ten 15-minute daytime noise level measurements were conducted throughout the study area. Noise measurements were taken with a Larson-Davis LxT Type 1 Integrating Sound Level Meters, serial numbers 3827. The following parameters were used:

Filter:	A-weighted
Response:	Slow
Time History Period:	5 seconds
Height of Instrument:	5 feet above ground level

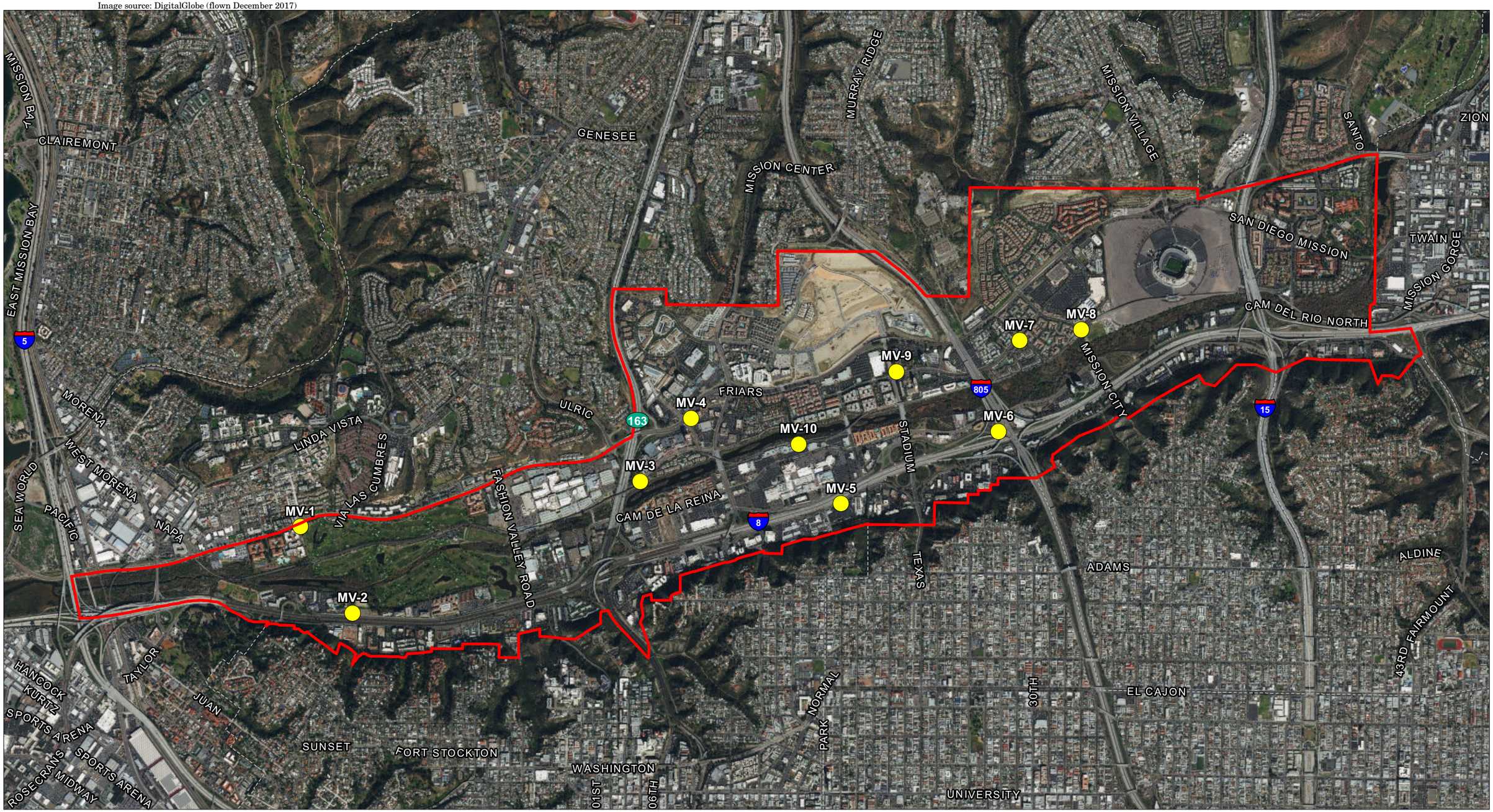
Each measurement location is shown in Figure 4. A summary of the measurements is provided in Table 6, and traffic counts taken during measurements are summarized in Table 7. Noise measurement data are contained in Attachment 1. Based on the measurement data, daytime noise levels in the planning area are typical of an urban environment. Each measurement location and noise source observed during the measurements is discussed below.

Table 6
Noise Measurements

ID[1]	Location	Date	Time	L_{eq}
MV-1	Friars Road at Goshen Street	9/16/2015	1:07 p.m. – 1:22 p.m.	63.4
MV-2	Hotel Circle North east of the Crowne Plaza	9/16/2015	2:00 p.m. – 2:15 p.m.	65.1
MV-3	Hazard Center Drive west end	9/16/2015	2:41 p.m. – 2:56 p.m.	66.1
MV-4	Friars Road east of Frazee	9/16/2015	3:47 p.m. – 4:02 p.m.	65.2
MV-5	Camino del Rio South at the Scottish Right Event Center	9/16/2015	4:36 p.m. – 4:51 p.m.	73.0
MV-6	I-8 at I-805	9/16/2015	5:28 p.m. – 5:43 p.m.	76.4
MV-7	Rio San Diego Drive east of River Run Drive	9/17/2015	9:22 a.m. – 9:37 a.m.	56.2
MV-8	Fenton Parkway south end	9/17/2015	9:58 a.m. – 10:13 a.m.	59.9
MV-9	Qualcomm Way at Rio San Diego Drive	9/17/2015	11:03 a.m. – 11:18 a.m.	65.4
MV-10	San Diego Trolley east of Mission Valley Center Station	9/17/2015	12:12 p.m. – 12:27 p.m.	60.2

[1]Measurement locations are shown in Figure 4 and correspond to ID the provided above.
L_{eq} = one-hour equivalent noise level

Image source: DigitalGlobe (flown December 2017)



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Mission Valley Community Plan Boundary

Noise Measurement Locations

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FIGURE 4

Aerial Photograph of CPU Vicinity and Noise Measurement Locations

Measurement MV-1 was taken on Friars Road south of Goshen Street. The main source of noise at this measurement location was vehicle traffic on Friars Road. Traffic volumes on Friars Road during Measurement MV-1 were counted and the results are shown in Table 7. Other sources of noise included vehicle traffic on Goshen Street and vehicles entering and exiting the Courtyards condominium complex. The average measured noise level was 63.4 dB(A) L_{eq}.

Measurement MV-2 was taken on Hotel Circle North east of the Crowne Plaza and west of the parking lot of Budget Truck Rental. The main source of noise at this measurement location was vehicle traffic on I-8. Other sources of noise included vehicle traffic on Hotel Circle North. Traffic volumes on Hotel Circle North during Measurement MV-2 were counted and the results are shown in Table 7. The average measured noise level was 65.1 dB(A) L_{eq}.

Measurement MV-3 was taken 100 feet west of the end of Hazard Center Drive and 50 feet north of the San Diego Trolley Line. The main source of noise at this measurement location was vehicle traffic on SR-163. Additionally, during this measurement a trolley passed by generating noise levels up to 75.0 dB(A). The average measured noise level was 66.1 dB(A) L_{eq}.

Measurement MV-4 was taken on Friars Road east of Frazee Road in front of Robbins Brothers Engagement Ring Store. The main source of noise at this measurement location was vehicle traffic on Friars Road. Traffic volumes on Friars Road during Measurement MV-4 were counted and the results are shown in Table 7. This included vehicles queueing at red lights and vehicles accelerating when lights turned green. Other sources of noise included vehicle traffic on Frazee Road. The average measured noise level was 65.2 dB(A) L_{eq}.

Measurement MV-5 was taken in the parking lot of the Scottish Rite Event Center overlooking Camino del Rio South. The main source of noise at this measurement location was vehicle traffic on I-8. Other sources of noise included vehicle traffic on Camino del Rio South. Traffic volumes on Camino del Rio South during Measurement MV-5 were counted and the results are shown in Table 7. The average measured noise level was 73.0 dB(A) L_{eq}.

Measurement MV-6 was taken in the parking lot north of I-8 and east of I-805. At this location, I-805 and associated on- and off-ramps are elevated above the measurement location. The main sources of noise at this measurement location were vehicle traffic on I-8 and ramps connecting I-8 and I-805. Other sources of noise included parking lot activities and construction equipment approximately 700 feet away. The average measured noise level was 76.4 dB(A) L_{eq}.

Measurement MV-7 was taken on Rio San Diego Drive between River Run Drive and Fenton Parkway. The main source of noise at this measurement location was vehicle traffic on Rio San Diego Drive. Traffic volumes on Rio San Diego Drive during Measurement MV-7 were counted and the results are shown in Table 7. Other sources of noise included activities associated with the adjacent Club River Run Apartment Homes complex such as a leaf blower approximately 200 to 300 feet away, movers loading furniture from a residence

approximately 300 feet away, and vehicles entering and exiting the parking lot approximately 50 feet way. Additionally, a plane flyover occurred during the measurement. The average measured noise level was 56.2 dB(A) L_{eq}.

Measurement MV-8 was taken on the sidewalk east of the south end of Fenton Parkway and immediately adjacent to the San Diego Trolley Line at Fenton Parkway Station. The main source of noise at this measurement location was trolley activity. During the measurement one eastbound and one westbound trolley pass-by occurred. Pass-bys resulted in noise levels of up to 72.6 dB(A). Other sources of noise included vehicle traffic on I-8 and Fenton Parkway. The average measured noise level was 59.9 dB(A) L_{eq}.

Measurement MV-9 was taken on Qualcomm Way, north of Rio San Diego Drive, on the walkway connecting Qualcomm Way to the parking lot for the U.S. Department of Veterans Affairs building. The main source of noise at this measurement location was vehicle traffic on Qualcomm Way. Traffic volumes on Qualcomm Way during Measurement MV-9 were counted and the results are shown in Table 7. Other sources of noise included vehicle traffic on Rio San Diego Drive. The average measured noise level was 65.4 dB(A) L_{eq}.

Measurement MV-10 was taken in the parking lot north of Camino de la Reina, west of Camino del Este. The measurement was taken approximately 25 feet south of the San Diego Trolley Line. The main source of noise at this measurement location was trolleys. During the measurement one eastbound and one westbound trolley pass-by occurred. Pass-bys resulted in noise levels of up to 80.3 dB(A). Other sources of noise included parking lot activities and vehicle traffic on Camino de la Reina (approximately 250 feet way). The average measured noise level was 60.2 dB(A) L_{eq}.

Table 7
15-minute Traffic Counts

Measurement	Roadway	Direction	Autos	Medium Trucks	Heavy Trucks	Buses	Motorcycles
1	Friars Road	Westbound	128	1	0	1	2
		Eastbound	142	4	1	0	0
2	Hotel Circle North	Westbound	28	0	0	1	0
		Eastbound	23	0	0	2	0
4	Friars Road	Westbound	420	2	0	0	1
		Eastbound	660	3	0	0	7
5	Camino del Rio South	Westbound	156	1	0	0	0
		Eastbound	69	0	0	0	0
7	Rio San Diego Drive	Westbound	53	1	0	0	0
		Eastbound	44	0	0	0	0
9	Qualcomm Way	Northbound	97	6	3	0	1
		Southbound	79	5	2	0	0

NOTE: Traffic counts were not conducted during Measurements 3, 6, 8, or 10. The main source of noise during Measurements 3 and 10 was vehicle traffic on freeways and freeway traffic volumes could not be manually counted. The main source of noise during Measurements 6 and 8 was trolley activity.

5.2 Existing Vehicle Traffic Noise Contours

The roads generating the greatest noise level in the CPU area are I-5, I-8, I-15, I-805, SR-163, and Friars Road. The noise contour distances represent the predicted noise level for each roadway without the attenuating effects of noise barriers, structures, topography, or dense vegetation. As intervening structures, topography, and dense vegetation would affect noise exposure at a particular location, the noise contours should not be considered site-specific but are rather guides to determine when detailed acoustic analysis should be undertaken.

Figure 5 shows the existing vehicle traffic noise contours for the CPU area. As shown, existing noise levels throughout the community exceed 60 CNEL. The local freeways are the dominant noise sources in the CPU area. Noise contours from the freeways in many cases overlap with and encompass the noise contours from local roadways. The distances to various traffic CNEL noise contours for these major roads are provided in Attachment 2.

5.3 Existing Trolley Noise Contours

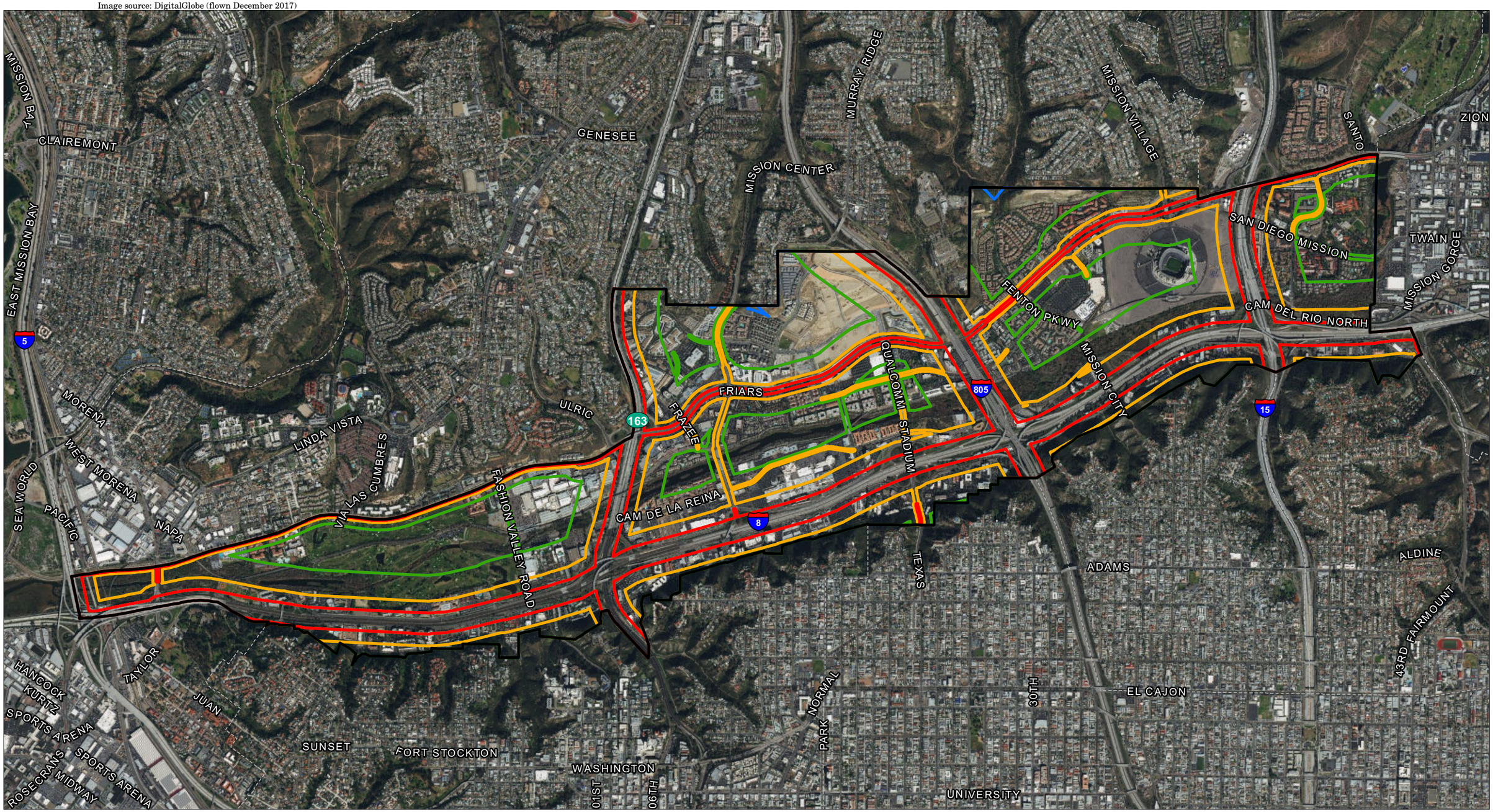
The San Diego Metropolitan Transit System (MTS) Green Line Trolley traverses an east-west railway alignment that includes nine trolley stops in the CPU area. On weekdays, 96 trolley passes occur during daytime hours (7 a.m. to 7 p.m.), 19 trolley passes occur during evening hours (7 p.m. to 10 p.m.), and 33 trolley passes occur during nighttime hours (10 p.m. to 7 a.m.). There are fewer trolley pass-bys on Saturdays and Sundays, therefore, the worst-case weekday scenario was modeled. Existing contour distances were calculated. Figure 6 shows the existing trolley noise contours for the CPU area. As shown, the 60 CNEL contour extends up to approximately 270 feet from the center of the trolley tracks between the Old Town and Grantville trolley stations, and the 65 CNEL contour extends up to approximately 85 feet of the trolley tracks. Trolley contours noise calculation data is provided in Attachment 3.

6.0 Noise Sources and Analysis Methodology

6.1 Vehicle Traffic Noise

Traffic noise occurs adjacent to every roadway and is directly related to the traffic volume, speed, and mix of vehicles. Traffic volumes and speeds for the local roadways were obtained from the traffic impact analysis prepared for the CPU (Chen Ryan Associates 2018). Existing freeway volumes were obtained from Caltrans traffic counts (Caltrans 2016a). Future freeway volumes were obtained from the San Diego Association of Governments' Transportation Forecast Information Center (SANDAG 2018).

Image source: DigitalGlobe (flown December 2017)



Mission Valley Community Plan Boundary

Traffic Noise Contours

- 60 CNEL
- 65 CNEL
- 70 CNEL
- 75 CNEL

0 Feet 2,000

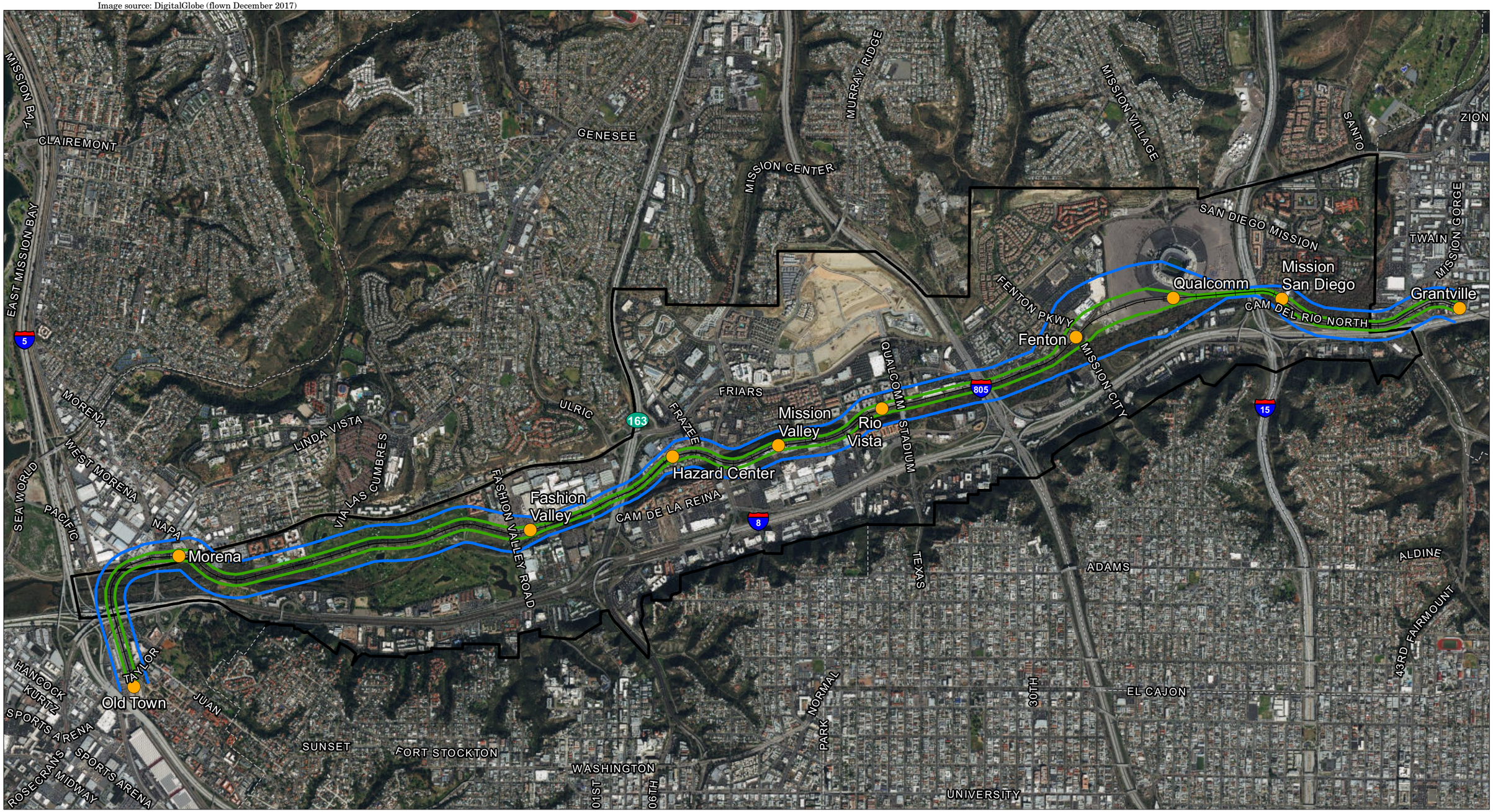
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FIGURE 5

Existing Vehicle Traffic Noise Contours

Image source: DigitalGlobe (flown December 2017)



0 Feet 2,000

Mission Valley Community Plan Boundary

Trolley Line

Trolley Stations

Trolley Noise Contours

60 CNEL

65 CNEL

RECON

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FIGURE 6

Trolley Noise Contours

The traffic mix (i.e., autos, medium trucks, and heavy trucks) for I-5, I-8, I-15, I-805, and SR-163 were derived from Caltrans truck counts (Caltrans 2016b). The traffic mixes are summarized in Table 8 along with the vehicle traffic parameters used in this analysis for each roadway segment. For local roadways in the CPU area, a traffic mix of 96 percent cars, 3 percent medium trucks, and 1 percent heavy trucks was modeled. This is consistent with traffic counts taken during the existing noise measurements, and similar to Caltrans truck counts for most area freeways.

The Federal Highway Administration (FHWA) Traffic Noise Model algorithms were used to calculate distances to noise contours for each roadway. The FHWA model takes into account traffic mix, speed, and volume; roadway gradient; relative distances between sources, barriers, and sensitive receptors; and shielding provided by intervening terrain or structures.

The analysis of the noise environment considered that the topography was flat with no intervening terrain between sensitive land uses and roadways. Because modeled predicted noise levels do not account for obstructions, they are higher than those which would actually occur. In actuality, buildings and other obstructions along the roadways would shield distant receivers from the traffic noise. Existing and future vehicle traffic noise calculations are provided in Attachment 2.

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
I-5	Washington Street	Old Town Avenue	203,000	185,100	65	96.1	2.9	1.0
	Old Town Avenue	I-8	205,000	231,000	65			
	I-8	Sea World Drive	207,000	192,600	65			
	Sea World Drive	Clairemont Drive	222,000	243,600	65			
I-8	Midway Drive	I-5	102,000	107,900	65	96.8	2.5	0.7
	I-5	Morena Boulevard	134,000	150,100	65			
	Morena Boulevard	Hotel Circle/ Taylor Street	196,000	199,400	65			
	Hotel Circle/ Taylor Street	Hotel Circle	199,000	199,400	65			
	Hotel Circle	SR-163	215,000	211,300	65			
	SR-163	Mission Center Road	221,000	196,300	65			
	Mission Center Road	Texas Street	237,000	221,500	65			
	Texas Street	I-805	210,000	193,000	65			
	I-805	I-15	246,000	247,000	65			
	I-15	Fairmount Avenue	224,000	297,300	65			
	Fairmount Avenue	Waring Road	247,000	242,200	65			
I-15	El Cajon Boulevard	Adams Avenue	169,000	209,000	65	96.0	2.8	1.2
	Adams Avenue	I-8	177,000	219,600	65			
	I-8	Friars Road	217,000	276,100	65			
	Friars Road	Aero Drive	224,000	255,100	65			
I-805	El Cajon Boulevard	Adams Avenue	192,000	223,600	65	93.6	4.1	2.3
	Adams Avenue	I-8	213,000	250,700	65			
	I-8	Murray Ridge	203,000	254,800	65			
	Murray Ridge	Kearny Villa Road	199,000	260,900	65			
SR-163	Washington Street	6th Avenue	130,000	134,700	65	96.5	2.7	0.8
	6th Avenue	I-8	162,000	194,600	65			
	I-8	Friars Road	153,000	187,300	65			
	Friars Road	Genesee Avenue	179,000	214,900	65			
	Genesee Avenue	Mesa College Drive	163,000	211,100	65			
Phyllis Place	Abbotshill Road	I-805 SB Ramps	2,270	32,600	25	96.0	3.0	1.0
Sea World Drive	Mission Bay Parkway	Friars Road	34,200	41,200	50	96.0	3.0	1.0
	Friars Road	I-5 SB Ramps	29,490	34,800	40			
Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	30,470	34,800	40	96.0	3.0	1.0
	I-5 NB Ramps	Morena Boulevard	22,410	31,900	35			

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
Mission Valley Road	Frazee Road	Metropolitan Drive	7,440	6,500	25	96.0	3.0	1.0
	Metropolitan Drive	Mission Center Road	7,440	16,400				
Civita Boulevard	Mission Center Road	Via Alta	2,480	5,000	25	96.0	3.0	1.0
	Via Alta	Qualcomm Way	2,480	4,200	25	96.0	3.0	1.0
	Qualcomm Way	Franklin Ridge Road	--	11,000	25	96.0	3.0	1.0
Westside Drive	Mission Center Road	Via Alta	4,070	5,100	25	96.0	3.0	1.0
Friars Road	Sea World Drive	Napa Street	13,650	15,400	55	96.0	3.0	1.0
	Napa Street	Colusa Street	19,170	19,400	45			
	Colusa Street	Via las Cumbres	19,200	25,200	45			
	Via las Cumbres	Fashion Valley Road	22,270	24,600	45			
	Fashion Valley Road	Via de la Moda	26,100	27,200	45			
	Via de la Moda	Fashion Valley Driveway	25,920	26,500	45			
	Fashion Valley Driveway	Avenida de las Tiendas	26,830	41,300	45			
	Avenida de las Tiendas	Ulric Street/ SR-163 SB Ramps	40,510	58,200	45			
	Ulric Street/ SR-163 SB Ramps	SR-163 NB Ramps	53,170	55,600	45			
	SR-163 NB Ramps	Frazee Road	54,150	45,400	45			
	Frazee Road	Mission Center Road	42,780	41,500	45			
	Mission Center Road	Qualcomm Way	37,050	35,500	45			
	Qualcomm Way	River Run Drive	33,250	38,900	45			
	River Run Drive	Fenton Parkway	22,080	40,200	45			
	Fenton Parkway	Northside Drive	28,430	34,300	45			
	Northside Drive	San Diego Mission Road	45,330	51,700	45			
	San Diego Mission Road	I-15 SB Ramps	57,740	85,200	45			
	I-15 SB Ramps	I-15 NB Ramps	46,570	74,100	45			
	I-15 NB Ramps	Rancho Mission Road	51,610	70,300	45			
	Rancho Mission Road	Santo Road	39,430	58,700	45			
	Santo Road	Riverdale Street	43,380	62,000	45			

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
	Riverdale Street	Mission Gorge Road	31,300	42,600	45			
Mission Gorge Road	Friars Road	Zion Avenue	40,690	33,200	45	96.0	3.0	1.0
Hazard Center Drive	Avenida del Rio	Hazard Center W. Driveway	--	12,500	35	96.0	3.0	1.0
	Hazard Center W. Driveway	Mission Center Road	8,710	15,900	35	96.0	3.0	1.0
Rio San Diego Drive	Gill Village Way	Qualcomm Way	10,500	15,600	40	96.0	3.0	1.0
	Qualcomm Way	River Run Drive	11,280	14,700	40			
	River Run Drive	Fenton Parkway	9,090	13,900	40			
San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	7,590	12,400	40	96.0	3.0	1.0
	Rancho Mission Road	950 feet West of Fairmount Avenue	8,020	13,700	35			
	950 feet West of Fairmount Avenue	Fairmount Avenue	8,020	13,700	35			
Taylor Street	Pacific Highway	Morena Boulevard	19,060	18,800	35	96.0	3.0	1.0
	Morena Boulevard	I-8 EB Ramps	17,750	4,000	35			
	I-8 EB Ramps	Hotel Circle South	14,410	5,000	35			
Hotel Circle North (Existing Network)	Hotel Circle South	Hotel Circle Place	15,340	--	35	96.0	3.0	1.0
	Hotel Circle Place	I-8 WB Ramps	6,510	--	35			
	I-8 WB Ramps	Fashion Valley Road	15,510	--	40			
	Fashion Valley Road	Camino de la Reina	12,460	--	35			
Hotel Circle North (Proposed Network)	Hotel Circle South	Fashion Valley Road	--	8,200	35	96.0	3.0	1.0
	Fashion Valley Road	I-8 WB Off-ramp	--	14,200	35			
	I-8 WB Off-ramp	Street "J"	--	35,000	35			
	Street "J"	I-8 WB On-ramp	--	15,300	35			
	I-8 WB On-ramp	Hotel Circle South	--	3,300	35			

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
Camino de la Reina	Hotel Circle North	Avenida del Rio	8,480	9,900	25	96.0	3.0	1.0
	Avenida del Rio	Camino de la Siesta	13,360	17,100	30			
	Camino de la Siesta	Mission Center Road	10,730	10,800	30			
	Mission Center Road	Camino del Este	18,530	19,700	30			
	Camino del Este	Qualcomm Way	13,770	13,200	30			
Camino del Rio North	Camino de la Siesta	Mission Center Road	5,430	12,800	35	96.0	3.0	1.0
	Mission Center Road	I-8 WB Ramps	24,030	29,600	35			
	I-8 WB Ramps	Camino del Este	11,910	11,300	35			
	Camino del Este	Qualcomm Way	12,180	21,500	35			
	Qualcomm Way	Mission City Parkway	10,590	15,700	45			
	Mission City Parkway	800 feet East of Mission City Parkway	8,080	8,900	30			
	800 feet East of Mission City Parkway	1,800 feet West of Ward Road	8,060	8,900	45			
	1,800 feet West of Ward Road	Ward Road	8,920	9,700	45			
	Ward Road	1,000 feet West of Fairmount Avenue	11,830	9,700	45			
	1,000 feet West of Fairmount Avenue	Fairmount Avenue	13,470	20,400	45			
Hotel Circle South	Taylor Street	1,200 feet East of Hotel Circle North	12,010	3,100	35	96.0	3.0	1.0
	1,200 feet East of Hotel Circle North	I-8 Ramps	12,340	3,100	35			
	I-8 Ramps	Street "J"	17,200	15,500	35			
	Street "J"	I-8 EB Ramps	17,200	30,200	35			
	I-8 EB Ramps	Bachman Place	17,200	14,100	35			
	Bachman Place	Hotel Circle North	15,580	14,700	35			
Camino del Rio South	Western Terminus	1,800 feet west of Mission Center Road	7,330	7,500	25	96.0	3.0	1.0
	1,800 feet west of Mission Center Road	Mission Center Road	6,870	7,500	35			
	Mission Center Road	Texas Street	7,410	8,700	35			

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
	Texas Street	Mission City Parkway	8,140	11,200	35			
	Mission City Parkway	I-15 SB Off-ramp	11,750	14,100	45			
	I-15 SB Off-ramp	I-15 SB On-ramp	9,580	17,000	40			
	I-15 SB On-ramp	Fairmount Avenue	6,370	7,700	40			
West Morena Boulevard	Tecolote Road	Morena Boulevard	--	16,700	35	96.0	3.0	1.0
Morena Boulevard	Tecolote Road	West Morena Boulevard	16,180	--	35	96.0	3.0	1.0
	West Morena Boulevard	Linda Vista Road	17,740	16,100	40			
	Linda Vista Road	I-8 WB Off-ramp	41,930	28,900	40			
	I-8 WB Off-ramp	Taylor Street	11,570	15,600	35			
Napa Street	Morena Boulevard	Friars Road	13,430	15,700	25	96.0	3.0	1.0
Colusa Street	Linda Vista Road	Friars Road	2,720	2,700	25	96.0	3.0	1.0
Via Las Cumbres	Linda Vista Road	Friars Road	10,920	12,200	35	96.0	3.0	1.0
	Friars Road	South End (dead end before trolley tracks)	--	5,000	35	96.0	3.0	1.0
Street "J"	Friars Road	Riverwalk Drive	--	11,300	35	96.0	3.0	1.0
	Riverwalk Drive	Levi-Cushman Street "B"	--	17,200	35	96.0	3.0	1.0
	Levi-Cushman Street "B"	Hotel Circle North	--	17,900	35	96.0	3.0	1.0
Fashion Valley Road	Friars Road	Riverwalk Drive	9,980	8,200	35	96.0	3.0	1.0
	Riverwalk Drive	Levi-Cushman Street "B"	9,980	17,400	35			
	Levi-Cushman Street "B"	Hotel Circle North	9,980	24,600	35			
Bachman Place	Hotel Circle South	Lewis Street	9,140	20,800	40	96.0	3.0	1.0
Avenida del Rio	Fashion Valley Parking Lot	Camino de la Reina	8,740	19,100	35	96.0	3.0	1.0
Ulric Street	Fashion Hills Boulevard	600 feet South of Fashion Hills Boulevard	20,380	25,800	40	96.0	3.0	1.0
	600 feet South of Fashion Hills Boulevard	Friars Road	20,430	27,100	40			

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
Camino de la Siesta	Camino de la Reina	Camino del Rio North	5,150	9,400	25	96.0	3.0	1.0
Metropolitan Drive	Mission Valley Road	Murray Canyon Road	3,840	11,400	25	96.0	3.0	1.0
	Murray Canyon Road	Frazee Road	3,840	200				
Murray Canyon Road	Metropolitan Drive	Frazee Road	7,400	5,600	25	96.0	3.0	1.0
Frazee Road	Metropolitan Drive	Murray Canyon Road	--	6,200	25			
	Murray Canyon Road	Friars Road	14,670	20,400	30	96.0	3.0	1.0
	Friars Road	Hazard Center Drive	17,050	19,200	30			
Mission Center Road	Murray Ridge Road	1,200 feet West of Murray Ridge Road	10,970	14,700	45	96.0	3.0	1.0
	1,200 feet West of Murray Ridge Road	950 feet North of Mission Valley Road	10,720	14,700	45			
	950 feet North of Mission Valley Road	Mission Valley Road	10,940	14,700	40			
	Mission Valley Road	Westside Drive	14,170	20,100	40			
	Westside Drive	Friars Road WB Ramps	26,020	33,000	40			
	Friars Road WB Ramps	Friars Road EB Ramps	22,830	25,600	40			
	Friars Road EB Ramps	Mission Center Court	19,470	22,400	40			
	Mission Center Court	Hazard Center Drive	19,450	26,100	40			
	Hazard Center Drive	Camino de la Reina	27,060	32,100	40			
	Camino de la Reina	Camino del Rio North	23,280	31,700	40			
Auto Circle	Camino del Rio North	I-8 EB Ramps	34,100	41,100	40	96.0	3.0	1.0
	I-8 EB Ramps	Camino del Rio South	20,980	18,000	40			
Via Alta	Franklin Ridge Road	Civita Boulevard	1,340	10,900	25	96.0	3.0	1.0
	Civita Boulevard	Westside Drive	1,340	6,400	25			
Murray Ridge Road	Mission Center Road	I-805 NB Ramps	20,000	23,800	35	96.0	3.0	1.0
	I-805 NB Ramps	I-805 SB Ramps	11,700	24,300	35			
Russell Park Way	Friars Road	Civita Boulevard	1,020	7,400	30	96.0	3.0	1.0

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
Camino del Este	Rio San Diego Drive	Camino de la Reina	8,450	13,900	35	96.0	3.0	1.0
	Camino de la Reina	Camino del Rio North	9,880	18,200	25			
Franklin Ridge Road	Phyllis Place	Via Alta	--	31,800	25	96.0	3.0	1.0
	Via Alta	Civita Boulevard	--	17,100	25			
Qualcomm Way	Civita Boulevard	Friars Road WB Ramps	--	19,700	30	96.0	3.0	1.0
	Friars Road WB Ramps	Friars Road EB Ramps	9,300	30,300	35			
	Friars Road EB Ramps	Rio San Diego Drive	10,200	26,300	35			
	Rio San Diego Drive	Camino del Rio North	24,330	42,700	35			
	Camino del Rio North	I-8 WB Ramps	23,560	49,400	35			
	I-8 WB Ramps	I-8 EB Ramps	36,410	53,500	35			
	I-8 EB Ramps	Camino del Rio South	25,830	32,100	35			
Texas Street	Camino del Rio South	1,400 feet North of Madison Avenue	29,050	33,200	40	96.0	3.0	1.0
	1400 Feet North of Madison Ave	Madison Avenue	29,240	33,200	40			
	Madison Avenue	Meade Avenue	17,090	20,400	25			
	Meade Avenue	El Cajon Boulevard	14,310	15,600	25			
River Run Drive	Friars Road	Rio San Diego Drive	4,030	4,100	25	96.0	3.0	1.0
Fenton Parkway	Portofino Driveway	Friars Road	4,120	4,900	25	96.0	3.0	1.0
	Friars Road	Rio San Diego Drive	12,610	15,700	30			
	Rio San Diego Drive	Del Rio Apartments Driveway	5,400	9,300	30			
	Del Rio Apartments Driveway	New Street I	--	9,300	30			
	New Street I	Camino del Rio North	--	13,900	30			
Mission City Parkway	Camino del Rio North	Camino del Rio South	6,430	11,000	35	96.0	3.0	1.0
Northside Drive	Portofino Driveway	Friars Road	6,590	5,100	25	96.0	3.0	1.0
	Friars Road	Fenton Marketplace Driveway	20,310	24,600	30			

Table 8
Vehicle Traffic Parameters

Roadway	Segment		Existing ADT	Future ADT	Speed (mph)	Vehicle Mix (Percent)		
	From	To				Autos	Medium Trucks	Heavy Trucks
	Fenton Marketplace Driveway	Lowe's Frontage Road	15,890	19,600	30			
Mission Village Drive	Ronda Avenue	Friars Road WB Ramps	17,220	17,900	45	96.0	3.0	1.0
	Friars Road WB Ramps	Friars Road EB Ramps	13,660	30,600	45			
Rancho Mission Road	Friars Road	San Diego Mission Road	12,820	16,200	35	96.0	3.0	1.0
	San Diego Mission Road	Camino del Rio North	--	19,300	35			
Ward Road	San Diego Mission Road	Camino del Rio North	9,580	--	35	96.0	3.0	1.0
Santo Road	Northern Terminus	Friars Road	6,360	15,700	30	96.0	3.0	1.0
Riverdale Street	Zion Road	Friars Road	2,770	2,200	30	96.0	3.0	1.0
	Friars Road	Vandever Avenue	8,900	26,500	30			
Mission Gorge Road	Friars Road	Camino del Rio North	14,710	22,700	30	96.0	3.0	1.0
Fairmount Avenue	Camino del Rio North/I-8 WB Off-ramp	I-8 EB Off-ramp	40,210	53,300	35	96.0	3.0	1.0
	I-8 EB Off-ramp	Camino del Rio South	82,880	93,300	35			
Riverwalk Drive	West of Street "J"		--	6,000	25	96.0	3.0	1.0
	Street "J"	Fashion Valley Road	--	3,700	25			
	Fashion Valley Road	Avenida del Rio	--	15,200	25			
Levi-Cushman Street "B"	Street "J"	Fashion Valley Road	--	11,300	35	96.0	3.0	1.0
Goshen Street	Linda Vista Road	Gaines Street	--	4,300	25	96.0	3.0	1.0
	Gaines Street	Friars Road	--	3,400	25			
	Friars Road	South End	--	3,900	25			
New Street "I"	Mission City Parkway	Eastern End	--	11,900	25	96.0	3.0	1.0
Gill Village Way	Friars Road	Rio San Diego Drive	--	5,700	25	96.0	3.0	1.0
Rio Bonito Way	Friars Road	Rio San Diego Drive	--	4,100	25	96.0	3.0	1.0

SOURCE: Chen Ryan Associates 2018; Caltrans 2016a; Caltrans, 2016b.
ADT = average daily traffic; EB = eastbound; WB = westbound

6.2 Trolley Noise

Noise associated with trolley operations was modeled using the FTA recommended Chicago Rail Efficiency and Transportation Efficiency (CREATE) railroad noise model (Harris Miller Miller & Hanson, Inc. 2006).

The San Diego MTS provides trolley service along a railway alignment designated the "Green Line." The Green Line Trolley generally parallels I-8 throughout the planning area. The trolleys travel between 15 and 60 miles per hour (mph). This is based on the distances between trolley stations and the average timing between stations obtained from published trolley schedules. Noise contour distances were calculated assuming flat-site conditions and no intervening buildings that would provide noise attenuation.

6.3 Stationary Noise

Stationary sources of noise include activities associated with a given land use. The CPU area includes multiple land uses, including residential, commercial, and mixed-use land uses as well as recreational and institutional uses. Various land uses contain on-site stationary noise sources, including rooftop heating, ventilation, and air conditioning (HVAC) equipment; mechanical equipment; emergency electrical generators; parking lot activities; loading dock operations; and recreation activities. Stationary noise is considered a "point source" and attenuates over distance at a rate of 6 dB(A) for each doubling of distance. The exact location and nature of future stationary noise sources is not known at this time and can, therefore, not be calculated in this analysis. Impacts are assessed in this analysis by identifying potential types of stationary sources and locations of mixed-use land use interfaces and identifying applicable regulations and mitigation framework for addressing impacts.

6.4 Construction Noise

No specific construction or development is proposed under the CPU at this time but would occur when future development under the CPU is proposed. Future development as allowed under the proposed CPU could potentially result in temporary ambient noise increase due to construction activities.

Construction noise has the potential to result in temporary ambient noise increase due to construction activities. Construction noise is generated by diesel-powered construction equipment used for site preparation and grading, removal of existing structures and pavement, loading, unloading, and placing materials and paving. Diesel engine-driven trucks also bring materials to the site and remove the spoils from excavation. Table 9 summarizes typical construction equipment noise levels.

Table 9 Typical Construction Equipment Noise Levels		
Equipment	Noise Level at 50 Feet [dB(A) L_{eq}]	Typical Duty Cycle
Auger Drill Rig	85	20%
Backhoe	80	40%
Blasting	94	1%
Chain Saw	85	20%
Clam Shovel	93	20%
Compactor (ground)	80	20%
Compressor (air)	80	40%
Concrete Mixer Truck	85	40%
Concrete Pump	82	20%
Concrete Saw	90	20%
Crane (mobile or stationary)	85	20%
Dozer	85	40%
Dump Truck	84	40%
Excavator	85	40%
Front End Loader	80	40%
Generator (25 kilovolt ampts or less)	70	50%
Generator (more than 25 kilovolt amps)	82	50%
Grader	85	40%
Hydra Break Ram	90	10%
Impact Pile Driver (diesel or drop)	95	20%
In situ Soil Sampling Rig	84	20%
Jackhammer	85	20%
Mounted Impact Hammer (hoe ram)	90	20%
Paver	85	50%
Pneumatic Tools	85	50%
Pumps	77	50%
Rock Drill	85	20%
Roller	74	40%
Scraper	85	40%
Tractor	84	40%
Vacuum Excavator (vac-truck)	85	40%
Vibratory Concrete Mixer	80	20%
Vibratory Pile Driver	95	20%
SOURCE: FHWA 2006. dB(A) L_{eq} = A-weighted decibels average noise level		

Construction equipment would generate maximum noise levels between 70 and 95 dB(A) L_{max} at 50 feet from the source when in operation. During excavation, grading, and paving operations, equipment moves to different locations and goes through varying load cycles, and there are breaks for the operators and for non-equipment tasks, such as measurement. Average construction noise levels were calculated for the simultaneous operation of three common pieces of construction equipment: backhoe, excavator, and loader. The usage factors were applied to the maximum noise level at 50 feet for each piece of equipment, and then noise levels were added logarithmically. Hourly average noise levels would be approximately 83 dB(A) L_{eq} at 50 feet from the center of construction activity when assessing three pieces of common construction equipment working simultaneously. Noise levels would vary depending on the nature of the construction including the duration of specific activities, nature of the equipment involved, location of the particular receiver, and nature of intervening barriers.

Impacts are assessed in this analysis by identifying potential construction noise levels and buffer distances at which construction noise levels would be less than the noise levels identified in the City's Noise Abatement and Control Ordinance (75 dB).

6.5 Vibration

Potential sources of ground-borne vibration could come from railway operations. For conventional commuter railroad traffic such as the train and freight traffic that occurs on the railway at the western CPU area boundary, the FTA provides generalized screening distances for land uses that may be subject to vibration impacts (FTA 2018). For Category 1 uses such as vibration sensitive equipment, the screening distance from the right-of-way is 600 feet. For Category 2 land uses such as residences and buildings where people would normally sleep, the screening distance is 200 feet. The screening distance for Category 3 land uses such as institutional land uses with primarily daytime uses, is 120 feet. These screening distances were used to assess vibration impacts due to the railway at the western CPU area boundary.

The east-west tracks that bisect the CPU area provide only trolley service (Green Line Trolley) and do not include larger commuter trains or freight trains. Trolleys do not generate the same vibration levels as larger trains. Additionally, portions of the Green Line Trolley are elevated above grade and would not cause significant vibration at adjacent uses. Thus, the screening distances discussed above would be overly conservative. Therefore, for portions of the railway that are at-grade, rather than using the generalized screening distances for conventional commuter railroad traffic, FTA methodology and equations provided in their Transit Noise and Vibration Impact Assessment Manual (FTA 2018) were used to calculate potential site-specific vibration levels within the CPU area.

7.0 Future Acoustical Environment and Impacts

7.1 Increase in Ambient Noise

As discussed in Section 5.1, Noise Measurements, existing noise levels were measured in the CPU area to identify existing ambient noise conditions (refer to Table 6).

Traffic noise generally dominates the noise environment around the CPU area. Future development implemented under the CPU would increase traffic along local roadways due to increased allowable density and intensity of uses throughout the CPU area. Traffic noise increases may affect various noise-sensitive land uses, including residences. Using the traffic parameters summarized in Section 6.1, a traffic noise analysis has been completed for the build-out of the CPU. Table 10 summarizes the existing and build-out traffic noise levels along various roadway segments in the CPU area. Roadway noise is measured in CNEL at 50 feet from the roadway centerline.

A significant impact would occur if build-out of the CPU would result in traffic noise levels that exceed the City's significance thresholds for traffic noise (see Table 3). Per the City's significance thresholds, if a land use is currently at or exceeds the significance thresholds for traffic noise, then an increase of more than 3 dB is considered significant.

Table 10
Increases in Ambient Vehicle Traffic Noise
(CNEL at 50 feet from Centerline)

Roadway	Segment		Base Year (2012)	CPU (2050)	Δ dB
	From	To			
I-5	Washington Street	Old Town Avenue	85.6	85.2	-0.4
	Old Town Avenue	I-8	85.7	86.2	0.5
	I-8	Sea World Drive	85.7	85.4	-0.3
	Sea World Drive	Clairemont Drive	86.0	86.4	0.4
I-8	Midway Drive	I-5	82.5	82.7	0.2
	I-5	Morena Boulevard	83.7	84.2	0.5
	Morena Boulevard	Hotel Circle/Taylor Street	85.3	85.4	0.1
	Hotel Circle/Taylor Street	Hotel Circle	85.4	85.4	0.0
	Hotel Circle	SR-163	85.7	85.6	-0.1
	SR-163	Mission Center Road	85.8	85.3	-0.5
	Mission Center Road	Texas Street	86.1	85.9	-0.2
	Texas Street	I-805	85.6	85.3	-0.3
	I-805	I-15	86.3	86.3	0.0
	I-15	Fairmount Avenue	85.9	87.1	1.2
	Fairmount Avenue	Waring Road	86.3	86.2	-0.1
I-15	El Cajon Boulevard	Adams Avenue	84.9	85.8	0.9
	Adams Avenue	I-8	85.1	86.0	0.9
	I-8	Friars Road	86.0	87.0	1.0
	Friars Road	Aero Drive	86.1	86.7	0.6
I-805	El Cajon Boulevard	Adams Avenue	85.9	86.5	0.6
	Adams Avenue	I-8	86.3	87.0	0.7
	I-8	Murray Ridge	86.1	87.1	1.0
	Murray Ridge	Kearny Villa Road	86.0	87.2	1.2
SR-163	Washington Street	6th Avenue	83.6	83.7	0.1
	6th Avenue	I-8	84.5	85.3	0.8
	I-8	Friars Road	84.3	85.2	0.9
	Friars Road	Genesee Avenue	85.0	85.8	0.8
	Genesee Avenue	Mesa College Drive	84.6	85.7	1.1
Phyllis Place	**Abbotshill Road**	**I-805 SB Ramps**	57.0	68.5	**11.5**
Sea World Drive	Mission Bay Parkway	Friars Road	75.0	75.8	0.8
	Friars Road	I-5 SB Ramps	72.0	72.7	0.7
Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	72.2	72.7	0.5
	I-5 NB Ramps	Morena Boulevard	69.5	71.0	1.5
Mission Valley Road	Frazee Road	Metropolitan Drive	62.1	61.5	-0.6
	Metropolitan Drive	Mission Center Road	62.1	65.5	3.4
Civita Boulevard	Mission Center Road	Via Alta	57.3	60.4	3.1
	Via Alta	Qualcomm Way	57.3	59.6	2.3
	Qualcomm Way	Franklin Ridge Road	--	63.8	--
Westside Drive	Mission Center Road	Via Alta	59.5	60.5	1.0

Table 10
Increases in Ambient Vehicle Traffic Noise
(CNEL at 50 feet from Centerline)

Roadway	Segment		Base Year (2012)	CPU (2050)	Δ dB
	From	To			
Friars Road	Sea World Drive	Napa Street	72.0	72.6	0.6
	Napa Street	Colusa Street	71.4	71.4	0.0
	Colusa Street	Via Las Cumbres	71.4	72.6	1.2
	Via Las Cumbres	Fashion Valley Road	72.0	72.5	0.5
	Fashion Valley Road	Via de la Moda	72.7	72.9	0.2
	Via de la Moda	Fashion Valley Driveway	72.7	72.8	0.1
	Fashion Valley Driveway	Avenida de las Tiendas	72.8	74.7	1.9
	Avenida de las Tiendas	Ulric Street/SR-163 SB Ramps	74.6	76.2	1.6
	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	75.8	76.0	0.2
	SR-163 NB Ramps	Frazee Road	75.9	75.1	-0.8
	Frazee Road	Mission Center Road	76.0	75.8	-0.2
	Mission Center Road	Qualcomm Way	75.4	75.2	-0.2
	Qualcomm Way	River Run Drive	74.9	75.6	0.7
	River Run Drive	Fenton Parkway	73.1	75.7	2.6
	Fenton Parkway	Northside Drive	74.2	75.0	0.8
	Northside Drive	San Diego Mission Road	76.2	76.8	0.6
	San Diego Mission Road	I-15 SB Ramps	77.3	79.0	1.7
	I-15 SB Ramps	I-15 NB Ramps	75.2	77.2	2.0
	I-15 NB Ramps	Rancho Mission Road	75.7	77.0	1.3
	Rancho Mission Road	Santo Road	74.5	76.2	1.7
	Santo Road	Riverdale Street	74.9	76.5	1.6
	Riverdale Street	Mission Gorge Road	73.5	74.8	1.3
Mission Gorge Road	Friars Road	Zion Avenue	74.6	73.8	-0.8
Hazard Center Drive	Avenida del Rio	Hazard Center W. Driveway	--	67.0	--
	Hazard Center W. Driveway	Mission Center Road	65.4	68.0	2.6
Rio San Diego Drive	Gill Village Way	Qualcomm Way	67.5	69.3	1.8
	Qualcomm Way	River Run Drive	67.9	69.0	1.1
	River Run Drive	Fenton Parkway	66.9	68.8	1.9
San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	66.1	68.3	2.2
	Rancho Mission Road	950 feet West of Fairmount Avenue	65.0	67.4	2.4
	950 feet West of Fairmount Avenue	Fairmount Avenue	65.0	67.4	2.4
Taylor Street	Pacific Highway	Morena Boulevard	68.8	68.7	-0.1
	Morena Boulevard	I-8 EB Ramps	68.5	62.0	-6.5
	I-8 EB Ramps	Hotel Circle South	67.6	63.0	-4.6
Hotel Circle North	Hotel Circle South	Fashion Valley Road	68.3	65.1	-3.2
	Fashion Valley Road	I-8 WB Off-ramp	69.2	67.5	-1.7
	I-8 WB Off-ramp	Street "J"	64.1	70.0	5.9
	Street "J"	I-8 WB On-ramp	64.1	67.8	3.7
	I-8 WB On-ramp	Hotel Circle South	67.9	61.2	-6.7
Camino de la Reina	Hotel Circle North	Avenida del Rio	62.7	63.4	0.7
	Avenida del Rio	Camino de la Siesta	66.2	67.3	1.1
	Camino de la Siesta	Mission Center Road	65.3	65.3	0.0
	Mission Center Road	Camino del Este	67.6	67.9	0.3
	Camino del Este	Qualcomm Way	66.3	66.2	-0.1

Table 10
Increases in Ambient Vehicle Traffic Noise
(CNEL at 50 feet from Centerline)

Roadway	Segment		Base Year (2012)	CPU (2050)	Δ dB
	From	To			
Camino del Rio North	Camino de la Siesta	Mission Center Road	63.3	67.1	3.8
	Mission Center Road	I-8 WB Ramps	69.8	70.7	0.9
	I-8 WB Ramps	Camino del Este	66.8	66.5	-0.3
	Camino del Este	Qualcomm Way	66.9	69.3	2.4
	Qualcomm Way	Mission City Parkway	68.8	70.5	1.7
	Mission City Parkway	800 feet East of Mission City Parkway	64.0	64.4	0.4
	800 feet East of Mission City Parkway	1,800 feet West of Ward Road	67.6	68.0	0.4
	1,800 feet West of Ward Road	Ward Road	68.1	68.4	0.3
	Ward Road	1,000 feet West of Fairmount Avenue	69.3	68.4	-0.9
	1,000 feet West of Fairmount Avenue	Fairmount Avenue	69.8	71.6	1.8
Hotel Circle South	Taylor Street	I-8 EB Off-Ramp	66.8	60.9	-5.9
	I-8 EB Off-Ramp	Street "J"	66.9	67.9	1.0
	Street "J"	I-8 EB On-Ramp	66.9	70.8	3.9
	I-8 EB On-Ramp	Bachman Place	68.4	67.5	-0.9
	Bachman Place	Hotel Circle North	67.9	67.7	-0.2
Camino del Rio South	Western Terminus	1,800 feet west of Mission Center Road	62.0	62.1	0.1
	1,800 feet west of Mission Center Road	Mission Center Road	64.4	64.8	0.4
	Mission Center Road	Texas Street	64.7	65.4	0.7
	Texas Street	Mission City Parkway	65.1	66.5	1.4
	Mission City Parkway	I-15 SB Off-ramp	69.2	70.0	0.8
	I-15 SB Off-ramp	I-15 SB On-ramp	67.1	69.6	2.5
	I-15 SB On-ramp	Fairmount Avenue	65.4	66.2	0.8
West Morena Boulevard	Tecolote Road	Morena Boulevard	--	68.2	--
Morena Boulevard	Tecolote Road	West Morena Boulevard	68.1	--	--
	West Morena Boulevard	Linda Vista Road	69.8	69.4	-0.4
	Linda Vista Road	I-8 WB Off-ramp	73.6	71.9	-1.7
	I-8 WB Off-ramp	Taylor Street	66.6	67.9	1.3
Napa Street	Morena Boulevard	Friars Road	64.7	65.4	0.7
Colusa Street	Linda Vista Road	Friars Road	57.7	57.5	-0.2
Via Las Cumbres	Linda Vista Road	Friars Road	66.4	66.9	0.5
	Friars Road	South End	--	63.0	--
Street "J"	Friars Road	Riverwalk Drive	--	66.5	--
	Riverwalk Drive	Levi-Cushman Street "B"	--	68.4	--
	Levi-Cushman Street "B"	Hotel Circle North	--	68.5	--
Fashion Valley Road	Friars Road	Riverwalk Drive	66.0	65.1	-0.9
	Riverwalk Drive	Levi-Cushman Street "B"	66.0	68.4	2.4
	Levi-Cushman Street "B"	Hotel Circle North	66.0	69.9	3.9
Bachman Place	**Hotel Circle South**	**Lewis Street**	66.9	70.5	**3.6**
Avenida del Rio	Fashion Valley Parking Lot	Camino de la Reina	65.4	68.8	3.4
Ulric Street	Fashion Hills Boulevard	600 feet South of Fashion Hills Boulevard	70.4	71.4	1.0
	600 feet South of Fashion Hills Boulevard	Friars Road	70.4	71.7	1.3
Camino de la Siesta	Camino de la Reina	Camino del Rio North	60.5	63.1	2.6
Metropolitan Drive	Mission Valley Road	Murray Canyon Road	59.2	64.0	4.8

Table 10
Increases in Ambient Vehicle Traffic Noise
(CNEL at 50 feet from Centerline)

Roadway	Segment		Base Year (2012)	CPU (2050)	Δ dB
	From	To			
	Murray Canyon Road	Frazee Road	59.2	46.4	-12.8
Murray Canyon Road	Metropolitan Drive	Frazee Road	63.6	62.4	-1.2
Frazee Road	Metropolitan Drive	Murray Canyon Road	--	61.3	--
	Murray Canyon Road	Friars Road	66.6	68.0	1.4
	Friars Road	Hazard Center Drive	67.3	67.8	0.5
Mission Center Road	Murray Ridge Road	1,200 feet West of Murray Ridge Road	69.0	70.2	1.2
	1,200 feet West of Murray Ridge Road	950 feet North of Mission Valley Road	68.9	70.2	1.3
	950 feet North of Mission Valley Road	Mission Valley Road	67.7	69.0	1.3
	Mission Valley Road	Westside Drive	68.8	70.4	1.6
	Westside Drive	Friars Road WB Ramps	71.5	72.5	1.0
	Friars Road WB Ramps	Friars Road EB Ramps	70.9	71.4	0.5
	Friars Road EB Ramps	Mission Center Court	70.2	70.8	0.6
	Mission Center Court	Hazard Center Drive	70.2	71.5	1.3
	Hazard Center Drive	Camino de la Reina	71.7	72.4	0.7
	Camino de la Reina	Camino del Rio North	71.0	72.3	1.3
Auto Circle	Camino del Rio North	I-8 EB Ramps	72.7	73.5	0.8
	I-8 EB Ramps	Camino del Rio South	70.6	69.9	-0.7
Via Alta	Franklin Ridge Road	Civita Boulevard	54.7	63.8	9.1
	Civita Boulevard	Westside Drive	54.7	61.5	6.8
Murray Ridge Road	Mission Center Road	I-805 NB Ramps	69.0	69.8	0.8
	I-805 NB Ramps	I-805 SB Ramps	66.7	69.9	3.2
Russell Park Way	Friars Road	Civita Boulevard	55.0	63.6	8.6
Camino del Este	Rio San Diego Drive	Camino de la Reina	65.3	67.4	2.1
	Camino de la Reina	Camino del Rio North	63.3	66.0	2.7
Franklin Ridge Road	Phyllis Place	Via Alta	--	68.4	--
	Via Alta	Civita Boulevard	--	65.7	--
Qualcomm Way	Civita Boulevard	Friars Road WB Ramps	--	67.9	--
	Friars Road WB Ramps	Friars Road EB Ramps	65.7	70.8	5.1
	Friars Road EB Ramps	Rio San Diego Drive	66.1	70.2	4.1
	Rio San Diego Drive	Camino del Rio North	69.9	72.3	2.4
	Camino del Rio North	I-8 WB Ramps	69.7	72.9	3.2
	I-8 WB Ramps	I-8 EB Ramps	71.6	73.3	1.7
	I-8 EB Ramps	Camino del Rio South	70.1	71.1	1.0
Texas Street	Camino del Rio South	1,400 feet North of Madison Avenue	72.0	72.5	0.5
	1,400 feet North of Madison Avenue	Madison Avenue	72.0	72.5	0.5
	Madison Avenue	Meade Avenue	65.7	66.5	0.8
	Meade Avenue	El Cajon Boulevard	65.0	65.3	0.3
River Run Drive	Friars Road	Rio San Diego Drive	59.4	59.5	0.1
Fenton Parkway	Portofino Driveway	Friars Road	59.5	60.3	0.8
	Friars Road	Rio San Diego Drive	66.0	66.9	0.9
	Rio San Diego Drive	Del Rio Apartments Driveway	62.3	64.6	2.3
	Del Rio Apartments Driveway	New Street I	--	64.6	--
	New Street I	Camino del Rio North	--	66.4	--
Mission City Parkway	Camino del Rio North	Camino del Rio South	64.1	66.4	2.3

Table 10
Increases in Ambient Vehicle Traffic Noise
(CNEL at 50 feet from Centerline)

Roadway	Segment		Base Year (2012)	CPU (2050)	Δ dB
	From	To			
Northside Drive	Portofino Driveway	Friars Road	61.6	60.5	-1.1
	Friars Road	Fenton Marketplace Driveway	68.0	68.9	0.9
	Fenton Marketplace Driveway	Lowe's Frontage Road	67.0	67.9	0.9
Mission Village Drive	Ronda Avenue	Friars Road WB Ramps	70.9	71.1	0.2
	Friars Road WB Ramps	Friars Road EB Ramps	69.9	73.4	3.5
Rancho Mission Road	Friars Road	San Diego Mission Road	67.1	68.1	1.0
	San Diego Mission Road	**Camino del Rio North**	65.8	68.9	**3.1**
Santo Road	Northern Terminus	Friars Road	63.0	66.9	3.9
Riverdale Street	Zion Road	Friars Road	59.4	58.4	-1.0
	Friars Road	Vandever Avenue	64.4	69.2	4.8
Mission Gorge Road	Friars Road	Camino del Rio North	66.6	68.5	1.9
Fairmount Avenue	Camino del Rio North/ I-8 WB Off-ramp	I-8 EB Off-ramp	72.0	73.3	1.3
	I-8 EB Off-ramp	Camino del Rio South	75.2	75.7	0.5
Riverwalk Drive	West of Street "J"		--	61.2	--
	Street "J"	Fashion Valley Road	--	59.2	--
	Fashion Valley Road	Avenida del Rio	--	65.2	--
Levi-Cushman Street "B"	Street "J"	Fashion Valley Road	--	66.5	--
Goshen Street	Linda Vista Road	Gaines Street	--	59.7	--
	Gaines Street	Friars Road	--	58.7	--
	Friars Road	South End	--	59.3	--
New Street "I"	Mission City Parkway	Eastern End	--	64.1	--
Gill Village Way	Friars Road	Rio San Diego Drive	--	61.0	--
Rio Bonito Way	Friars Road	Rio San Diego Drive	--	59.5	--

Bold = 2035 noise level would exceed the established exterior compatibility level for the surrounding land use and noise levels would increase by 3 dB or more, or future noise levels would be below 65 dB(A) CNEL but ambient noise levels would increase by more than 5 dB over existing noise levels.

The CPU area is dominated by freeway noise. There are some roadway segments that experience noise level increases that are 3 dB or greater as shown in Table 10; however, due to the proximity to a freeway and its associated freeway noise, the actual increase in ambient noise levels attributable to the specified roadway would be less than 3 dB. Additionally, there are areas where there are no noise-sensitive land uses. In order to specifically identify where noise impacts would occur, the surrounding land uses as well as their proximity to freeways were more closely examined to determine if the noise level increase along identified roadway segments would be significant.

A less than significant impact would occur adjacent to the following roadway segments:

- **Mission Valley Road from Metropolitan Drive to Mission Center Road**

  No noise-sensitive land uses are located adjacent to this segment. Commercial uses are located adjacent to this segment. Noise levels would not exceed the significance

threshold of 75 CNEL for commercial land uses; therefore, impacts would be less than significant.

- **Civita Boulevard from Mission Center Road to Via Alta**

  Multi-family uses are located adjacent to this segment. However, noise levels would not exceed the significance threshold of 65 CNEL for multi-family residential land uses; therefore, impacts would be less than significant.

- **Hotel Circle North from I-8 Westbound Off-ramp to I-8 Westbound On-ramp**

  Hotel and commercial land uses are located adjacent to this segment. However, existing noise levels due to vehicle traffic on I-8 exceed 75 CNEL. Although an increase of 3.7 to 5.9 dB is shown with a future noise level up to 70 CNEL, when combined with existing traffic from I-8, the actual noise increase due to Hotel Circle North would be less than 1 dB. Therefore, impacts would be less than significant.

- **Camino del Rio North from Camino de la Siesta to Mission Center Road**

  Multi-family uses are located adjacent to this segment. However, existing noise levels due to vehicle traffic on I-8 exceed 75 CNEL. Although an increase of 3.8 dB is shown with a future noise level of 67 CNEL, when combined with existing traffic from I-8, the actual noise increase due to Camino del Rio North would be less than 1 dB. Therefore, impacts would be less than significant.

- **Hotel Circle South from Street "J" to I-8 Eastbound On-ramp**

  Hotel and commercial uses are located adjacent to this segment. However, existing noise levels due to vehicle traffic on I-8 exceed 75 CNEL. Although an increase of 3.9 dB is shown with a future noise level of 71 CNEL, when combined with existing traffic from I-8, the actual noise increase due to Hotel Circle South would be less than 1 dB. Therefore, impacts would be less than significant.

- **Fashion Valley Road from Levi-Cushman Street "B" to Hotel Circle North**

  Hotel uses and a golf course are located adjacent to this segment. However, existing noise levels due to vehicle traffic on I-8 range from 70 to 75 CNEL. Although an increase of 3.9 dB is shown with a future noise level of 70 CNEL, when combined with existing traffic from I-8, the actual noise increase due to Fashion Valley would be less than 3 dB. Therefore, impacts would be less than significant.

- **Avenida del Rio from Fashion Valley Parking Lot to Camino de la Reina**

  Commercial uses are located adjacent to this segment. Noise levels would not exceed the commercial significance threshold of 75 CNEL. Additionally, existing noise levels due to vehicle traffic on SR-163 are 70 CNEL. Although an increase of 3.4 dB is shown with a future noise level of 69 CNEL, when combined with existing traffic from SR-163, the actual noise increase due to Avenida del Rio would be less than 3 dB. Therefore, impacts would be less than significant.

- **Metropolitan Drive from Mission Valley Road to Murray Canyon Road**

  Commercial uses are located adjacent to this segment. Future noise levels would not exceed the commercial significance threshold of 75 CNEL for commercial land uses; therefore, impacts would be less than significant.

- **Via Alta from Franklin Ridge Road to Westside Drive**

  Multi-family land uses are located adjacent to this segment. However, existing noise levels due to vehicle traffic on I-805, Friars Road, and Mission Center Road exceed 65 CNEL. Although an increase of 6.8 to 9.1 dB is shown with a future noise level up to 64 CNEL, when combined with existing traffic from I-805, the actual noise increase due to Via Alta would be less than 3 dB. Therefore, impacts would be less than significant.

- **Murray Ridge Road from I-805 Northbound Ramps to I-805 Southbound Ramps**

  Single-family land uses are located adjacent to this segment. However, existing noise levels due to vehicle traffic on I-805 exceed 75 CNEL. Although an increase of 3.2 dB is shown with a future noise level of 70 CNEL, when combined with existing traffic from I-805, the actual noise increase due to Murray Ridge Road would be less than 3 dB. Therefore, impacts would be less than significant.

- **Russell Park Way from Friars Road to Civita Boulevard**

  The lots adjacent to this segment are currently undeveloped. Existing noise levels due to vehicle traffic on Friars Road exceed 65 CNEL. Although an increase of 8.6 dB is shown with a future noise level of 64 CNEL, when combined with existing traffic from Friars Road, the actual noise increase due to Russell Park Way would be less than 3 dB. Therefore, impacts would be less than significant.

- **Qualcomm Way from Friars Road Westbound Ramps to Friars Road Eastbound Ramps**

  This roadway segment is under the Friars Road overpass and there are no existing or planned immediately adjacent land uses. Therefore, impacts would be less than significant.

- **Qualcomm Way from Friars Road Eastbound Ramps to Rio San Diego Drive**

  Commercial uses are located adjacent to this segment. Future noise levels would not exceed the commercial significance threshold of 75 CNEL for commercial land uses; therefore, impacts would be less than significant.

- **Qualcomm Way from Camino del Rio North to I-8 Westbound Ramps**

  This segment is within the I-8 right-of-way and there are no existing or planned immediately adjacent land uses. Therefore, impacts would be less than significant.

- **Mission Village Drive from Friars Road Westbound Ramps to Friars Road Eastbound Ramps**

  This segment is the Friars Road overpass accessing the stadium parking lot, and there are no existing or planned immediately adjacent land uses, as it is within the Friars Road right-of-way. Therefore, impacts would be less than significant.

- **Santo Road from the Northern Terminus to Friars Road**

  Multi-family land uses are located adjacent to this segment; however, they are set back approximately 120 feet from the centerline of Santo Road. Noise levels at this distance would be less than 65 CNEL (59 CNEL in the existing condition and 63 CNEL at build-out). Therefore, impacts would be less than significant.

- **Riverdale Street from Friars Road to Vandever Avenue**

  Commercial uses are located adjacent to this segment. Future noise levels would not exceed the commercial significance threshold of 75 CNEL for commercial land uses; therefore, impacts would be less than significant.

A significant noise impact would occur adjacent to the following three roadway segments.

- **Phyllis Place from Abbots Hill Road to I-805 Southbound Ramps**

  Single- and multi-family residential uses are located towards the western terminus of Phyllis Place. Noise levels are dominated by vehicle traffic on I-805, with existing noise contours ranging from 65 to 75 CNEL. However, because noise levels due to vehicle traffic on Phyllis Place would increase from 57 to 69 CNEL and would result in a 3 dB increase in ambient noise levels even when taking existing traffic noise from I-805 into account, noise impacts would be significant.

- **Bachman Place from Hotel Circle South to Lewis Street**

  Residential, hospital, and hotel land uses are located adjacent to this segment of Bachman Place. Noise levels currently exceed the significance threshold of 65 CNEL, and future vehicle traffic would increase ambient noise levels by more than 3 dB. Noise impacts would be significant.

- **Rancho Mission Road from San Diego Mission Road to Camino del Rio North**

  Residential land uses are located adjacent to this segment of Rancho Mission Road. Existing noise levels due to I-15 would range from 65 to 75 CNEL. However, even when taking existing traffic from I-15 into account, future vehicle traffic noise along this roadway segment could increase by 3 dB. Noise impacts would be significant.

The increase in ambient noise levels adjacent to these three roadway segments would result in the exposure of existing noise-sensitive receptors to a significant increase in ambient noise levels, and impacts would be significant. Possible noise-reduction measures would include retrofitting older structures with acoustically rated windows and doors featuring

higher Sound Transmission Class ratings, which is a measure of exterior noise reduction performance. However, there is no mechanism in place for implementing such a retrofit program. Because the significant noise impacts are to existing homes and other noise-sensitive uses in an already urbanized area, there is no feasible mitigation. Thus, impacts to existing sensitive land uses would remain significant and unavoidable.

An existing regulatory framework and review process exists for new development in areas exposed to high levels of ambient noise. Policies in the proposed CPU and General Plan related to decibel levels, procedures in the SDMC, and regulations including Title 24 would reduce traffic noise exposure, because they set standards for the siting of sensitive land uses. Site-specific noise analyses demonstrating that future development implemented under the CPU would not subject sensitive receptors to existing or future noise levels exceeding the General Plan's Land Use – Noise Compatibility Guidelines would be required as part of the review process for discretionary projects. With the implementation of these regulations and procedures, noise impacts applicable to new discretionary projects would be less than significant as exterior noise would be attenuated. However, in the case of ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts attributed to ministerial projects located in areas that exceed the applicable land use and noise compatibility level would be significant and unavoidable. Interior noise impacts for all projects, including ministerial projects, would be less than significant because building permit applicants must demonstrate compliance with the relevant interior noise standards through submission and approval of a Title 24 Compliance Report.

While future discretionary projects have a framework in place that would ensure exterior noise levels are appropriately attenuated to meet the General Plan Compatibility Standards, there is no similar mechanism in place for ministerial projects, resulting in a significant impact. This impact and mitigation is discussed further under Section 7.2.

7.2 Land Use Compatibility

A significant impact could occur if implementation of the CPU resulted in an exposure of people to current or future motor vehicle traffic noise levels that exceed standards established in the Noise Element of the General Plan. The General Plan's Land Use – Noise Compatibility Guidelines are presented in Table 4. The CPU proposes multi-family residential, visitor accommodations, commercial, institutional, industrial, and park and open space land uses, which are compatible with the following noise levels.

- Multi-family residential and mixed uses are compatible up to 60 CNEL and conditionally compatible up to 70 CNEL.

- Additionally, as stated in Section B of the Noise Element, although not generally considered compatible, the City conditionally allows multi-family and mixed-use residential uses up to 75 CNEL in areas affected by motor vehicle traffic noise with existing residential uses. Any future residential use exposed to noise levels up to 75 CNEL must include attenuation measures to ensure an interior noise level of 45

CNEL and be located in an area where a community plan allows multi-family and mixed-use residential uses.

- Visitor accommodations are compatible up to 60 CNEL and conditionally compatible up to 75 CNEL.
- Sales, commercial services, and office uses are compatible up to 65 CNEL and conditionally compatible up to 75 CNEL.
- Institutional uses are compatible up to 60 CNEL and conditionally compatible up to 65 or 70 CNEL depending on the type of institutional use.
- Industrial uses are compatible up to 75 CNEL.
- Neighborhood parks are compatible up to 70 CNEL and conditionally compatible up to 75 CNEL.

7.2.1 Vehicle Traffic Noise

Traffic noise generally dominates the noise environment around the CPU area. The freeways generating the greatest noise levels in the CPU area are I-5, I-8, I-15, I-805, and SR-163, and the roadway segments generating the greatest noise levels include Friars Road, Mission Center Road, Qualcomm Way, and Fairmount Avenue, among others. The distances to the 60, 65, and 70 CNEL noise contours in the build-out condition for freeways and major roadways in the CPU area are shown in Table 11. Distances to the roadway noise contours are based on a hard, flat site with no intervening barriers or obstructions (worst-case analysis). Future horizon year (2050) noise contours for the CPU area are shown in Figure 7.

Table 11
Future Vehicle Traffic Noise Contour Distances

Roadway	Segment		Distance (feet) to Noise Contour			
	From	To	75 CNEL	70 CNEL	65 CNEL	60 CNEL
I-5	Washington Street	Old Town Avenue	239	516	1,111	2,393
	Old Town Avenue	I-8	279	601	1,295	2,790
	I-8	Sea World Drive	247	532	1,145	2,468
	Sea World Drive	Clairemont Drive	288	620	1,335	2,877
I-8	Midway Drive	I-5	163	351	757	1,630
	I-5	Morena Boulevard	205	442	953	2,053
	Morena Boulevard	Hotel Circle/Taylor Street	247	532	1,145	2,468
	Hotel Circle/Taylor Street	Hotel Circle	247	532	1,145	2,468
	Hotel Circle	SR-163	254	548	1,181	2,545
	SR-163	Mission Center Road	243	524	1,128	2,430
	Mission Center Road	Texas Street	266	574	1,237	2,665
	Texas Street	I-805	243	524	1,128	2,430
	I-805	I-15	283	610	1,315	2,833
	I-15	Fairmount Avenue	320	690	1,487	3,204
	Fairmount Avenue	Waring Road	279	601	1,295	2,790
I-15	El Cajon Boulevard	Adams Avenue	262	565	1,218	2,624
	Adams Avenue	I-8	271	583	1,256	2,706
	I-8	Friars Road	315	680	1,464	3,155
	Friars Road	Aero Drive	301	649	1,398	3,013
I-805	El Cajon Boulevard	Adams Avenue	292	629	1,356	2,922
	Adams Avenue	I-8	315	680	1,464	3,155
	I-8	Murray Ridge	320	690	1,487	3,204
	Murray Ridge	Kearny Villa Road	325	701	1,510	3,253
SR-163	Washington Street	6th Avenue	190	410	882	1,901
	6th Avenue	I-8	243	524	1,128	2,430
	I-8	Friars Road	239	516	1,111	2,393
	Friars Road	Genesee Avenue	262	565	1,218	2,624
	Genesee Avenue	Mesa College Drive	258	557	1,199	2,584
Phyllis Place	Abbotshill Road	I-805 SB Ramps	--	35	112	354
Sea World Drive	Mission Bay Parkway	Friars Road	60	190	601	1,901
	Friars Road	I-5 SB Ramps	29	93	294	931
Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	29	93	294	931
	I-5 NB Ramps	Morena Boulevard	--	63	199	629
Mission Valley Road	Frazee Road	Metropolitan Drive	--	--	--	--
	Metropolitan Drive	Mission Center Road	--	--	56	177
Civita Boulevard	Mission Center Road	Via Alta	--	--	--	55
	Via Alta	Qualcomm Way	--	--	--	46
	Qualcomm Way	Franklin Ridge Road	--	--	38	120
Westside Drive	Mission Center Road	Via Alta	--	--	--	56

Table 11
Future Vehicle Traffic Noise Contour Distances

Roadway	Segment		Distance (feet) to Noise Contour			
	From	To	75 CNEL	70 CNEL	65 CNEL	60 CNEL
Friars Road	Sea World Drive	Napa Street	29	91	288	910
	Napa Street	Colusa Street	22	69	218	690
	Colusa Street	Via Las Cumbres	29	91	288	910
	Via Las Cumbres	Fashion Valley Road	28	89	281	889
	Fashion Valley Road	Via de la Moda	31	97	308	975
	Via de la Moda	Fashion Valley Driveway	30	95	301	953
	Fashion Valley Driveway	Avenida de las Tiendas	47	148	467	1,476
	Avenida de las Tiendas	Ulric Street/SR-163 SB Ramps	66	208	659	2,084
	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	63	199	629	1,991
	SR-163 NB Ramps	Frazee Road	51	162	512	1,618
	Frazee Road	Mission Center Road	60	190	601	1,901
	Mission Center Road	Qualcomm Way	52	166	524	1,656
	Qualcomm Way	River Run Drive	57	182	574	1,815
	River Run Drive	Fenton Parkway	59	186	587	1,858
	Fenton Parkway	Northside Drive	50	158	500	1,581
	Northside Drive	San Diego Mission Road	76	239	757	2,393
	San Diego Mission Road	I-15 SB Ramps	126	397	1,256	3,972
	I-15 SB Ramps	I-15 NB Ramps	83	262	830	2,624
	I-15 NB Ramps	Rancho Mission Road	79	251	792	2,506
	Rancho Mission Road	Santo Road	66	208	659	2,084
	Santo Road	Riverdale Street	71	223	706	2,233
	Riverdale Street	Mission Gorge Road	48	151	477	1,510
Mission Gorge Road	Friars Road	Zion Avenue	38	120	379	1,199
Hazard Center Drive	Avenida del Rio	Hazard Center West Driveway	--	25	79	251
	Hazard Center West Driveway	Mission Center Road	--	32	100	315
Rio San Diego Drive	Gill Village Way	Qualcomm Way	--	43	135	426
	Qualcomm Way	River Run Drive	--	40	126	397
	River Run Drive	Fenton Parkway	--	38	120	379
San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	--	34	107	338
	Rancho Mission Road	950 feet West of Fairmount Avenue	--	27	87	275
	950 feet West of Fairmount Avenue	Fairmount Avenue	--	27	87	275
Taylor Street	Pacific Highway	Morena Boulevard	--	37	117	371
	Morena Boulevard	I-8 EB Ramps	--	--	25	79
	I-8 EB Ramps	Hotel Circle South	--	--	32	100
Hotel Circle North	Hotel Circle South	Fashion Valley Road	--	--	51	162
	Fashion Valley Road	I-8 WB Off-ramp	--	28	89	281
	I-8 WB Off-ramp	Street "J"	--	50	158	500
	Street "J"	I-8 WB On-ramp	--	30	95	301
	I-8 WB On-ramp	Hotel Circle South	--	--	--	66
Camino de la Reina	Hotel Circle North	Avenida del Rio	--	--	35	109
	Avenida del Rio	Camino de la Siesta	--	--	85	269
	Camino de la Siesta	Mission Center Road	--	--	54	169
	Mission Center Road	Camino del Este	--	31	97	308
	Camino del Este	Qualcomm Way	--		66	208

Table 11
Future Vehicle Traffic Noise Contour Distances

Roadway	Segment		Distance (feet) to Noise Contour			
	From	To	75 CNEL	70 CNEL	65 CNEL	60 CNEL
Camino del Rio North	Camino de la Siesta	Mission Center Road	--	26	81	256
	Mission Center Road	I-8 WB Ramps	--	59	186	587
	I-8 WB Ramps	Camino del Este	--		71	223
	Camino del Este	Qualcomm Way		43	135	426
	Qualcomm Way	Mission City Parkway	--	56	177	561
	Mission City Parkway	800 feet East of Mission City Parkway	--	--	44	138
	800 feet East of Mission City Parkway	1,800 feet West of Ward Road	--	32	100	315
	1,800 feet West of Ward Road	Ward Road	--	35	109	346
	Ward Road	1,000 feet West of Fairmount Avenue	--	35	109	346
	1,000 feet West of Fairmount Avenue	Fairmount Avenue	--	72	229	723
Hotel Circle South	Taylor Street	I-8 EB Off-Ramp	--	--	--	62
	I-8 EB Off-Ramp	Street "J"	--	31	97	308
	Street "J"	I-8 EB On-Ramp	--	60	190	601
	I-8 EB On-Ramp	Bachman Place	--	28	89	281
	Bachman Place	Hotel Circle North	--	29	93	294
Camino del Rio South	Western Terminus	1,800 feet west of Mission Center Road	--	--	26	81
	1,800 feet west of Mission Center Road	Mission Center Road	--	--	48	151
	Mission Center Road	Texas Street	--	--	55	173
	Texas Street	Mission City Parkway	--	--	71	223
	Mission City Parkway	I-15 SB Off-ramp	--	50	158	500
	I-15 SB Off-ramp	I-15 SB On-ramp	--	46	144	456
	I-15 SB On-ramp	Fairmount Avenue	--		66	208
West Morena Boulevard	Tecolote Road	Morena Boulevard	--	33	104	330
Morena Boulevard	West Morena Boulevard	Linda Vista Road	--	44	138	435
	Linda Vista Road	I-8 WB Off-ramp	--	77	245	774
	I-8 WB Off-ramp	Taylor Street	--	31	97	308
Napa Street	Morena Boulevard	Friars Road	--	--	55	173
Colusa Street	Linda Vista Road	Friars Road	--	--	--	--
Via Las Cumbres	Linda Vista Road	Friars Road	--	--	77	245
	Friars Road	South End	--	--	32	100
Street "J"	Friars Road	Riverwalk Drive	--	--	71	223
	Riverwalk Drive	Levi-Cushman Street "B"	--	35	109	346
	Levi-Cushman Street "B"	Hotel Circle North	--	35	112	354
Fashion Valley Road	Friars Road	Riverwalk Drive	--	--	51	162
	Riverwalk Drive	Levi-Cushman Street "B"	--	35	109	346
	Levi-Cushman Street "B"	Hotel Circle North	--	49	155	489
Bachman Place	Hotel Circle South	Lewis Street	--	56	177	561
Avenida del Rio	Fashion Valley Parking Lot	Camino de la Reina	--	38	120	379

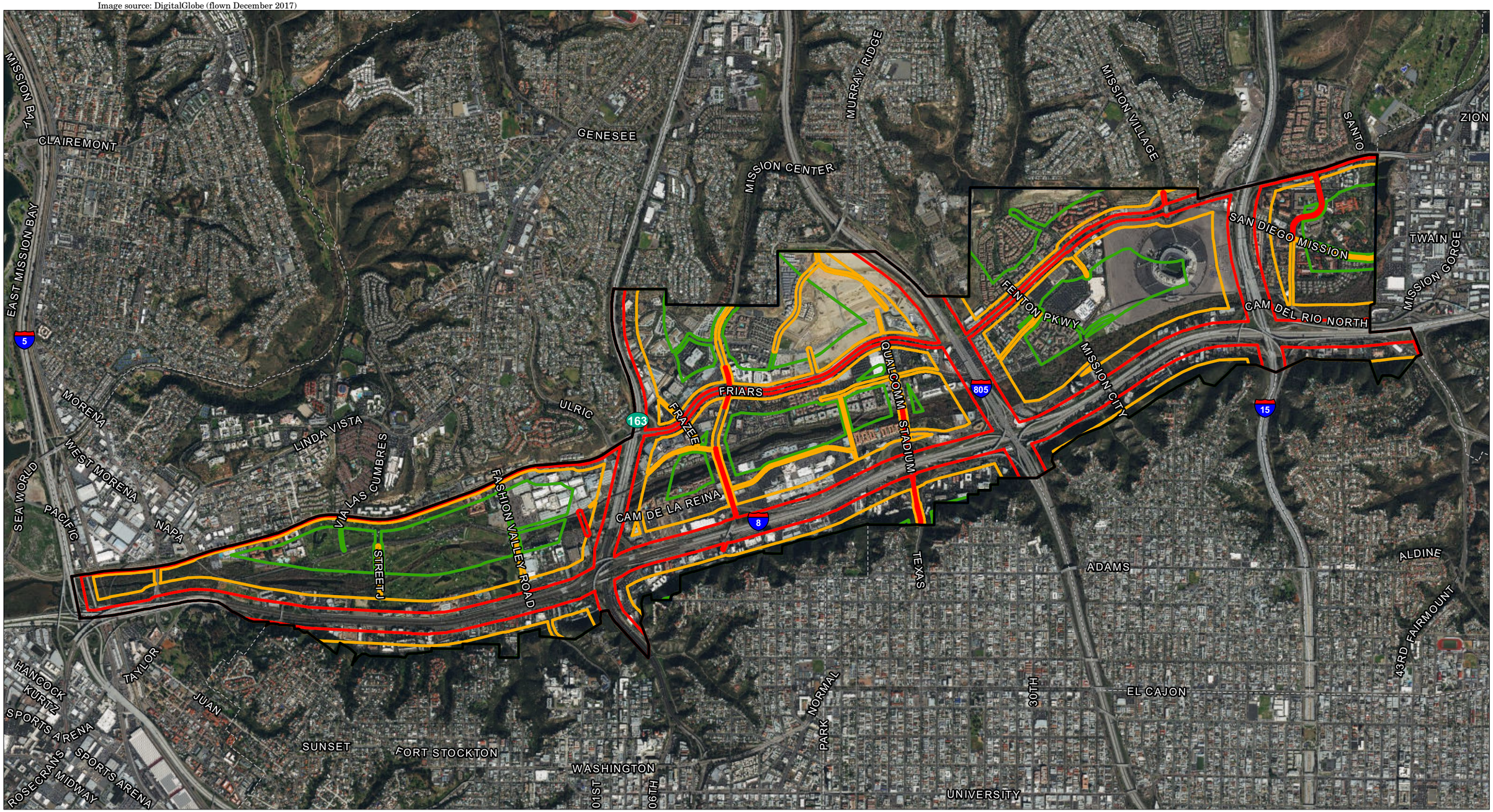
Table 11
Future Vehicle Traffic Noise Contour Distances

Roadway	Segment		Distance (feet) to Noise Contour			
	From	To	75 CNEL	70 CNEL	65 CNEL	60 CNEL
Ulric Street	Fashion Hills Boulevard	600 feet South of Fashion Hills Boulevard	--	69	218	690
	600 feet South of Fashion Hills Boulevard	Friars Road	--	74	234	740
Camino de la Siesta	Camino de la Reina	Camino del Rio North	--	--	32	102
Metropolitan Drive	Mission Valley Road	Murray Canyon Road	--	--	40	126
	Murray Canyon Road	Frazee Road	--	--	--	71
Murray Canyon Road	Metropolitan Drive	Frazee Road	--	--	27	87
Frazee Road	Metropolitan Drive	Murray Canyon Road	--	--	--	67
	Murray Canyon Road	Friars Road	--	32	100	315
	Friars Road	Hazard Center Drive	--	30	95	301
Mission Center Road	Murray Ridge Road	1,200 feet West of Murray Ridge Road	--	52	166	524
	1,200 feet West of Murray Ridge Road	950 feet North of Mission Valley Road	--	52	166	524
	950 feet North of Mission Valley Road	Mission Valley Road	--	40	126	397
	Mission Valley Road	Westside Drive	--	55	173	548
	Westside Drive	Friars Road WB Ramps	28	89	281	889
	Friars Road WB Ramps	Friars Road EB Ramps	22	69	218	690
	Friars Road EB Ramps	Mission Center Court	--	60	190	601
	Mission Center Court	Hazard Center Drive	--	71	223	706
	Hazard Center Drive	Camino de la Reina	27	87	275	869
	Camino de la Reina	Camino del Rio North	27	85	269	849
Auto Circle	Camino del Rio North	I-8 EB Ramps	35	112	354	1,119
	I-8 EB Ramps	Camino del Rio South	--	49	155	489
Via Alta	Franklin Ridge Road	Civita Boulevard	--	--	38	120
	Civita Boulevard	Westside Drive	--	--	--	71
Murray Ridge Road	Mission Center Road	I-805 NB Ramps	--	48	151	477
	I-805 NB Ramps	I-805 SB Ramps	--	49	155	489
Russell Park Way	Friars Road	Civita Boulevard	--	--	36	115
Camino del Este	Rio San Diego Drive	Camino de la Reina	--	27	87	275
	Camino de la Reina	Camino del Rio North	--	--	63	199
Franklin Ridge Road	Phyllis Place	Via Alta	--	35	109	346
	Via Alta	Civita Boulevard	--	--	59	186
Qualcomm Way	Civita Boulevard	Friars Road WB Ramps	--	31	97	308
	Friars Road WB Ramps	Friars Road EB Ramps	--	60	190	601
	Friars Road EB Ramps	Rio San Diego Drive	--	52	166	524
	Rio San Diego Drive	Camino del Rio North	27	85	269	849
	Camino del Rio North	I-8 WB Ramps	31	97	308	975
	I-8 WB Ramps	I-8 EB Ramps	34	107	338	1,069
	I-8 EB Ramps	Camino del Rio South		64	204	644
Texas Street	Camino del Rio South	1,400 feet North of Madison Ave	28	89	281	889
	1,400 feet North of Madison Ave	Madison Avenue	28	89	281	889
	Madison Avenue	Meade Ave	--	--	71	223
	Meade Ave	El Cajon Boulevard	--	--	54	169
River Run Drive	Friars Road	Rio San Diego Drive	--	--	--	45

Table 11
Future Vehicle Traffic Noise Contour Distances

Roadway	Segment		Distance (feet) to Noise Contour			
	From	To	75 CNEL	70 CNEL	65 CNEL	60 CNEL
Fenton Parkway	Portofino Driveway	Friars Road	--	--	--	54
	Friars Road	Rio San Diego Drive	--	--	77	245
	Rio San Diego Drive	Del Rio Apartments Driveway	--	--	46	144
	Del Rio Apartments Driveway	New Street I	--	--	46	144
	New Street I	Camino del Rio North	--	--	69	218
Mission City Parkway	Camino del Rio North	Camino del Rio South	--	--	69	218
Northside Drive	Portofino Driveway	Friars Road	--	--	--	56
	Friars Road	Fenton Marketplace Driveway	--	39	123	388
	Fenton Marketplace Driveway	Lowe's Frontage Road	--	31	97	308
Mission Village Drive	Ronda Avenue	Friars Road WB Ramps		64	204	644
	Friars Road WB Ramps	Friars Road EB Ramps	35	109	346	1,094
Rancho Mission Road	Friars Road	San Diego Mission Road	--	32	102	323
	San Diego Mission Road	Camino del Rio North	--	39	123	388
Santo Road	Northern Terminus	Friars Road	--	--	77	245
Riverdale Street	Zion Road	Friars Road	--	--	--	35
	Friars Road	Vandever Avenue	--	42	132	416
Mission Gorge Road	Friars Road	Camino del Rio North	--	35	112	354
Fairmount Avenue	Camino del Rio North/I-8 WB Off-ramp	I-8 EB Off-ramp	34	107	338	1,069
	I-8 EB Off-ramp	Camino del Rio South	59	186	587	1,858
Riverwalk Drive	West of Street "J"		--	--	--	66
	Street "J"	Fashion Valley Road	--	--	41	32
	Fashion Valley Road	Avenida del Rio	--	--	52	166
Levi-Cushman Street "B"	Via Las Cumbres	Fashion Valley Road	--	--	71	223
Goshen Street	Linda Vista Road	Gaines Street	--	--	--	47
	Gaines Street	Friars Road	--	--	--	37
	Friars Road	South End	--	--	--	43
New Street "I"	Mission City Parkway	Eastern End	--	--	41	129
Gill Village Way	Friars Road	Rio San Diego Drive	--	--	--	63
Rio Bonito Way	Friars Road	Rio San Diego Drive	--	--	--	45

Image source: DigitalGlobe (flown December 2017)



Mission Valley Community Plan Boundary

Traffic Noise Contours

- 60 CNEL
- 65 CNEL
- 70 CNEL
- 75 CNEL

0 Feet 2,000

RECON

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FIGURE 7

Future Vehicle Traffic Noise Contours

At any specific location the actual existing noise depends on the source noise level and the nature of the path from the source to the sensitive receptor. Buildings, walls, dense vegetation, and other barriers would block the direct line of sight and reduce noise levels at the receptor. As an example, a first row of buildings would reduce traffic noise levels at receptors by 3 to 5 dB(A) behind those structures depending on the building-to-gap ratio. Large continuous structures can provide substantially greater attenuation of traffic noise.

While the General Plan Noise Element has a compatibility level of 60 CNEL or less for residential uses, noise levels up to 65 CNEL for single-family residential and up to 70 CNEL for multi-family residential are considered conditionally compatible, since interior noise levels can be reduced to 45 CNEL through simple means, such as closing/sealing windows and providing mechanical ventilation. Additionally, as stated in Section B of the General Plan Noise Element, although not generally considered compatible, the General Plan conditionally allows multi-family and mixed-use residential uses up to 75 CNEL in areas affected by motor vehicle traffic noise with existing residential uses. Any future residential use exposed to noise levels up to 75 CNEL must include attenuation measures to ensure an interior noise level of 45 CNEL and be located in an area where a community plan allows multi-family and mixed-use residential uses. Project design features such as noise walls adjacent to freeways and roadways can usually reduce exterior noise levels to comply with General Plan Noise Element guidelines. Some residential land uses planned for the CPU area would be located between the 70 and 75 CNEL contours. Multi-family and mixed-use residential uses that meet the requirements of Section B of the General Plan Noise Element would be conditionally compatible up to 75 CNEL and would also be required to provide structural attenuation to reduce noise levels at interior locations.

As shown in Figure 7, noise levels would exceed 60 CNEL in the entire CPU area at build-out (2050), and noise levels would exceed 65 CNEL in a majority of the CPU area. Noise levels greater than 75 CNEL are generally considered incompatible for all land use types. Land uses located within 239 to 288 feet of I-5, 163 to 320 feet of I-8, 262 to 315 feet of I-15, 292 to 325 feet of I-805, and 190 to 262 feet of SR-163 would potentially be exposed to noise levels greater than 75 CNEL and would be considered incompatible.

The CPU area is generally developed; however, implementation of the CPU would result in changes to the land uses, which would introduce new noise-sensitive land uses in areas exceeding the Land Use – Noise Compatibility Guidelines. Therefore, impacts associated with future development within these areas would be significant.

The CPU includes policies that would require site design strategies and noise reduction measures for new development within 500 feet of freeways (see Section 2.0). Additionally, as detailed in Section 4.0, policies in the General Plan Noise Element and CCR Title 24 require the reduction of traffic noise exposure because they set standards for the siting of sensitive land uses. General Plan Noise Element policy NE-A.4 requires an acoustical study consistent with Acoustical Study Guidelines (Table NE-4) for proposed developments in areas where the existing or future noise level exceeds or would exceed the "compatible" noise level thresholds as indicated on the Land Use – Noise Compatibility Guidelines. Future discretionary proposals within the CPU area would, therefore, be required to

conduct site-specific exterior noise analyses to demonstrate that the proposed project would not place sensitive receptors in locations where the exterior existing or future noise levels would exceed the Land Use – Noise Compatibility Guidelines of the General Plan Noise Element. Additionally, for all future discretionary and ministerial projects located in areas where exterior noise levels exceed the Land Use – Noise Compatibility Guidelines as defined in the General Plan Noise Element, Table N-3, site-specific interior noise analyses demonstrating compliance with the interior standards of the General Plan would be required. These requirements for site-specific noise analyses would be implemented through submission of a Title 24 Compliance Report to demonstrate interior noise levels of 45 CNEL. Through implementation of this regulatory framework, exterior traffic noise impacts associated with new discretionary development and interior traffic noise impacts for both ministerial and discretionary projects would be less than significant.

However, in the case of exterior noise impacts associated with ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts for ministerial projects located in areas where the noise level exceeds the applicable land use and noise compatibility level would be significant and unavoidable.

7.2.2 Trolley Noise

Figure 6 shows the existing noise contours for the Green Line Trolley operations. Future Green Line Trolley operations are anticipated to continue similar to the existing schedule. The 60, 65, and 70 CNEL contour distances for the Green Line Trolley are summarized in Table 12. As shown, the 60 CNEL contour extends up to approximately 272 feet from the center of the trolley tracks between the Stadium and Fenton Parkway trolley stations, and the 65 CNEL contour extends up to approximately 86 feet from the trolley tracks.

Table 12
Green Line Trolley Noise Contour Distances

Stations	Noise Level at 50 feet (CNEL)	Distance to Noise Contour (feet)		
		70 CNEL	65 CNEL	60 CNEL
Grantville to Mission San Diego	63	10	33	105
Mission San Diego to Stadium	58	3	10	32
Stadium to Fenton Parkway	67	27	86	272
Fenton Parkway to Rio Vista	64	12	37	117
Rio Vista to Mission Valley Center	63	10	33	105
Mission Valley Center to Hazard Center	63	10	33	105
Hazard Center to Fashion Valley	61	7	22	68
Fashion Valley to Morena/Linda Vista	64	13	41	130
Morena/Linda Vista to Old Town	63	10	33	105

NOTE: Calculation data provided in Attachment 3.
CNEL = community noise equivalent level

The nearest noise-sensitive land uses would be located on both sides of the trolley alignment, with some uses abutting the right-of-way at distances as close as 25 feet from the centerline. Although noise-sensitive land uses would be in close proximity to the trolley

tracks, as shown in Figure 7, vehicle traffic noise along the freeways would exceed 60 CNEL in the entire CPU area. The vehicle traffic noise would exceed the contribution of noise from trolley operations. However, although vehicle traffic would be the dominant noise source, trolley noise levels in close proximity to the tracks would contribute to the overall exterior noise level, and the combined vehicle traffic and trolley exterior noise levels could exceed the Land Use – Noise Compatibility Guidelines. As discussed above, future discretionary proposals within the CPU area would be required to conduct site-specific exterior noise analyses to demonstrate that the proposed project would not place sensitive receptors in locations where the exterior existing or future noise levels would exceed the Land Use – Noise Compatibility Guidelines. However, in the case of exterior noise impacts associated with ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts for ministerial projects located in areas where the noise level exceeds the applicable land use and noise compatibility level would be significant. As discussed above, interior noise impacts for both discretionary and ministerial projects would be less than significant because building permit applicants must demonstrate compliance with the relevant interior noise standards through submission and approval of a Title 24 Compliance Report. Therefore, interior noise impacts resulting from trolley operations would be less than significant.

The future Mid-Coast Trolley extension (Blue Line Trolley) is currently under construction along the western CPU boundary. Once constructed, this trolley extension would provide trolley service from the Old Town Transit Center to the University of California, San Diego and University Town Center along the rail corridor parallel to I-5. The closest station to the CPU area would be located at West Morena Boulevard and Tecolote Road. Sound level distances from future San Diego MTS Trolley service were derived from SANDAG's Noise and Vibration Impacts Technical Report for the Mid-Coast Corridor Transit Project (SANDAG 2014). Freight and passenger train noise levels were based on Amtrak, Coaster, and freight train assumptions provided by the Los Angeles–San Diego–San Luis Obispo (LOSSAN) Rail Corridor Agency (LOSSAN 2012). Based on these studies, it is anticipated that rail traffic would generate a noise level of 60 CNEL at approximately 270 feet from the railway centerline. However, no sensitive land uses exist or are proposed in the CPU area adjacent to the Blue Line Trolley extension. The area adjacent to the tracks is designated Open Space (San Diego River). Additionally, noise levels in the vicinity of the western CPU boundary are dominated by vehicle traffic noise from I-5 and I-8. There would be no noise impacts due to future Blue Line Trolley operations. The Mid-Coast Corridor Transit Project noise analysis also found noise impacts in this area to be less than significant (SANDAG 2014).

The planned Purple Line Trolley would provide a new north-south transit connection through the Stadium Specific Plan area and would generally parallel to I-15. It is anticipated that noise levels due to future Purple Line Trolley operation would be similar to noise levels from the Blue and Green Line Trolleys. Noise levels along I-15 would exceed 70 and 75 CNEL along the future Purple Line Trolley. As with the Blue and Green Line Trolley, vehicle traffic noise would exceed the contribution of noise from trolley operations. However, the exact alignment of the Purple Line Trolley is not known at this time, and it could be located in close proximity to noise sensitive land uses. As with the Green Line

Trolley, although vehicle traffic would be the dominant noise source, trolley noise levels in close proximity to the tracks would contribute to the overall exterior noise level, and the combined vehicle traffic and trolley exterior noise levels could exceed the Land Use – Noise Compatibility Guidelines, resulting in a significant impact.

7.3 Stationary Noise

A significant impact could occur if implementation of the CPU resulted in the exposure of people to noise levels that exceed property line limits established in the Noise Abatement and Control Ordinance of the SDMC. Stationary sources of noise include activities associated with a given land use. For example, noise sources from commercial land uses would include car washes, fast food restaurants, auto repair facilities, parking lots, and a variety of other uses.

Implementation of the CPU could result in pedestrian-oriented mixed-use areas and areas where residential uses could be located in proximity to commercial sites that could expose sensitive receptors to additional noise. The noise associated with these types of land uses is generally produced by pedestrian traffic, parking lot activity, and public gatherings, but could also include loading docks, mechanical equipment (such as HVAC equipment and generators), deliveries, trash-hauling activities, and customer and employee use of commercial facilities. Noise generated by residential or commercial uses is generally short-lived and intermittent, while noise generated by auto-oriented commercial and industrial uses is usually sporadic, highly variable, and spatially distributed.

The land uses proposed by the CPU would be similar to the land uses that currently exist in the CPU area, although with greater density. Because noise levels in the CPU area are dominated by vehicle traffic on freeways and heavily traveled area roadways, noise levels from stationary sources throughout the CPU area would not be expected to increase the hourly or daily average sound level with respect to current conditions. While noise-sensitive residential land uses would be exposed to noise associated with the operation of commercial uses, future projects would be required to show compliance with the Noise Abatement and Control Ordinance to ensure noise compatibility between various land uses. As detailed in Section 4.4, the City regulates specific noise level limits allowable between land uses including the requirement for noise studies, limits on hours of operation for various noise-generating activities, and standards for the compatibility of various land uses with the existing and future noise environment. Through enforcement of the Noise Abatement and Control Ordinance of the SDMC, impacts would be less than significant.

7.4 Construction Noise

A significant impact could occur if implementation of the CPU resulted in the exposure of people to significant temporary construction noise. Future development implemented under the CPU could result in a temporary ambient noise increase due to construction activities.

Although no specific construction or development is proposed at this time, construction noise impacts could occur as future development within the CPU area occurs. Due to the

developed nature of the CPU area, there is a high likelihood that construction activities would take place adjacent to existing structures and that sensitive receptors would be located in proximity to construction activities.

Construction noise typically occurs intermittently and varies depending upon the nature or phase of construction (e.g., demolition; land clearing, grading, and excavation; erection). Construction noise would be short term and would include noise from activities such as site preparation, truck hauling of material, pouring of concrete, and the use of power tools. Noise would also be generated by construction equipment use, including earthmovers, material handlers, and portable generators, and could reach high noise levels for brief periods.

As discussed in Section 6.4, hourly average noise levels would be approximately 83 dB(A) L_{eq} at 50 feet from the center of construction activity when assessing three pieces of common construction equipment working simultaneously. Noise levels would vary depending on the nature of the construction activities including the duration of specific activities, the equipment involved, the location of the sensitive receivers, and the presence of intervening barriers. Construction noise levels of 83 dB(A) L_{eq} at 50 feet would attenuate to 75 dB(A) L_{eq} at 120 feet. Therefore, significant impacts could occur if sensitive land uses are located closer than 120 feet of construction activities.

The City regulates construction noise through its Noise Abatement and Control Ordinance, which puts limits on the days of the week and hours of operation allowed for construction. The City also imposes requirements for building and grading permits related to construction noise. However, there is also a procedure in place that allows for a permit to deviate from the noise ordinance. Due to the highly developed nature of the CPU area with sensitive receivers potentially located in proximity to construction sites, there is a potential for the construction of future projects to expose existing sensitive receptors to significant noise levels. This would result in a potentially significant impact.

NOISE-1: Future discretionary projects within the CPU area shall implement the following measures to minimize short-term noise levels caused by construction activities. Measures to reduce construction noise shall be included in the contractor specifications and shall include, but not be limited to, the following:

- Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment.
- Locate stationary noise-generating equipment (e.g., compressors) as far as possible from adjacent residential receivers.
- Acoustically shield stationary equipment located near residential receivers with temporary noise barriers.
- Utilize "quiet" air compressors and other stationary noise sources where technology exists.

- The contractor shall prepare a detailed construction plan identifying the schedule for major noise-generating construction activities. The construction plan shall identify a procedure for coordination with adjacent residential land uses so that construction activities can be scheduled to minimize noise disturbance.

- Designate a "disturbance coordinator" that shall be responsible for responding to any complaints about construction noise. The disturbance coordinator will determine the cause of the noise complaint (e.g., bad muffler, etc.) and will require that reasonable measures be implemented to correct the problem.

However, even with implementation of this mitigation, at the program level it cannot be known whether the noise reduction measures would be adequate to reduce noise levels to below a level of significance. Construction noise impacts would, therefore, be significant and unavoidable.

7.5 Vibration

As discussed, potential sources of ground-borne vibration could occur as a result of railway operations. For frequent events such as trolley operations, a vibration level of 65 VdB or less at buildings where vibration would interfere with interior operations (Category 1), a vibration level of 72 VdB or less at residential uses and places where people normally sleep (Category 2), and a vibration level 75 VdB or less at institutional uses with primarily daytime use (Category 3) would be considered acceptable (FTA 2018).

There are no Category 1, 2, or 3 land uses located within 600 feet of the right-of-way of the railway located at the western CPU boundary. Additionally, the Mid-Coast Corridor Transit Project noise and vibration analysis also found vibration impacts in this area to be less than significant (SANDAG 2014).

The east-west Green Line Trolley bisects the CPU area; however, no freight trains or larger commuter trains utilize this railway. Vibration levels were calculated using FTA methodology. Vibration levels are a function of trolley speed and distance to the nearest structure, among other factors. Table 13 summarizes the trolley vibration screening distances, and calculations are provided in Attachment 3. As discussed, portions of the Green Line Trolley tracks are on elevated structures and do not cause significant vibration impacts to adjacent development. Areas where noise- and vibration-sensitive uses are located the closest to the tracks (as close as 25 feet) are at the existing trolley stations. Because all trolleys stop at each station, trolley speeds approaching and departing from the stations would be very low and would not cause significant vibration levels over existing levels. These screening distances are therefore conservative.

Table 13 Trolley Vibration Screening Distances				
Trolley Speed (mph)	Vibration Level at 25 Feet (VdB)	Distance to (feet)		
		75 VdB (Category 3)	72 VdB (Category 2)	65 VdB (Category 1)
15	67	1	9	33
20	70	6	14	48
25	72	11	21	63
30	73	16	28	77
35	74	21	35	90
40	76	26	42	102
45	77	31	49	114
50	78	36	55	125
55	78	41	62	136
60	79	45	68	147
Source: Attachment 3.				

As discussed, the future Purple Line Trolley would run through the Stadium Specific Plan area. The exact alignment is not known at this time, however, vibration impacts and screening distances for the Purple Line Trolley are anticipated to be the same as those for the Green Line Trolley. Impacts would be less than significant; therefore, no mitigation measures are required.

8.0 Summary of Impacts and Mitigation

8.1 Increase in Ambient Noise

The CPU area is dominated by freeway noise. There are some roadway segments that experience noise level increases that are 3 dB or greater as shown in Table 10; however, due to the proximity to a freeway and its associated freeway noise, the actual increase in ambient noise levels attributable to the specified roadway would be less than 3 dB. Additionally, there are areas where there are no noise-sensitive land uses. A significant noise impact was identified adjacent to the following three roadway segments.

- Phyllis Place from Abbots Hill Road to I-805 Southbound Ramps

  Single- and multi-family residential uses are located towards the western terminus of Phyllis Place. Noise levels are dominated by vehicle traffic on I-805, with existing noise contours ranging from 65 to 75 CNEL. However, because noise levels due to vehicle traffic on Phyllis Place would increase from 57 to 69 CNEL and would result in a 3 dB increase in ambient noise levels even when taking existing traffic noise from I-805 into account, noise impacts would be significant.

- Bachman Place from Hotel Circle South to Lewis Street

  Residential, hospital, and hotel land uses are located adjacent to this segment of Bachman Place. Noise levels currently exceed the significance threshold of 65 CNEL, and future vehicle traffic would increase ambient noise levels by more than 3 dB. Noise impacts would be significant.

- Rancho Mission Road from San Diego Mission Road to Camino del Rio North

  Residential land uses are located adjacent to this segment of Rancho Mission Road. Existing noise levels due to I-15 would range from 65 to 75 CNEL. However, even when taking existing traffic from I-15 into account, future vehicle traffic noise along this roadway segment could increase by 3 dB. Noise impacts would be significant.

The increase in ambient noise levels adjacent to these three roadway segments would result in the exposure of existing noise-sensitive receptors to a significant increase in ambient noise levels, and impacts would be significant. Because the significant noise impacts are to existing homes and other noise-sensitive uses in an already urbanized area, there is no feasible mitigation. Thus, impacts to existing sensitive land uses would remain significant and unavoidable.

An existing regulatory framework and review process exists for new development in areas exposed to high levels of ambient noise. Site-specific noise analyses demonstrating that future development implemented under the CPU would not subject sensitive receptors to existing or future noise levels exceeding the General Plan's Land Use – Noise Compatibility Guidelines would be required as part of the review process for discretionary projects. With the implementation of these regulations and procedures, noise impacts applicable to new discretionary projects would be less than significant as exterior noise would be attenuated. However, in the case of ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts attributed to ministerial projects located in areas that exceed the applicable land use and noise compatibility level would be significant and unavoidable. Interior noise impacts for all projects, including ministerial projects, would be less than significant because building permit applicants must demonstrate compliance with the relevant interior noise standards through submission and approval of a Title 24 Compliance Report.

The proposed CPU includes a policy encouraging retrofitting of older structures with noise sensitive land uses with acoustically rated windows and doors featuring higher Sound Transmission Class ratings, which is a measure of exterior noise reduction performance. However, because not all existing noise sensitive land uses would be retrofitted, impacts to existing sensitive land uses would be significant and unavoidable. No feasible mitigation has been identified at the program level to reduce this impact to less than significant.

For future noise sensitive land uses, while some projects may adequately attenuate exterior noise, there could still be new noise sensitive land uses located in areas that would experience a significant increase in ambient noise levels exceeding the applicable Land Use

– Noise Compatibility Guidelines, and therefore impacts would be significant and unavoidable.

8.2 Land Use Compatibility

8.2.1 Vehicle Traffic Noise

Noise levels greater than 75 CNEL are generally considered incompatible for all land use types. Land uses located within 239 to 288 feet of I-5, 163 to 320 feet of I-8, 262 to 315 feet of I-15, 292 to 325 feet of I-805, and 190 to 262 feet of SR-163 would potentially be exposed to noise levels greater than 75 CNEL and would be considered incompatible. Implementation of the CPU would result in changes to the land uses, which would introduce new noise-sensitive land uses in areas exceeding the Land Use – Noise Compatibility Guidelines. Therefore, impacts associated with future development within these areas would be significant.

Future discretionary proposals within the CPU area would be required to conduct site-specific exterior noise analyses to demonstrate that the proposed project would not place sensitive receptors in locations where the exterior existing or future noise levels would exceed the Land Use – Noise Compatibility Guidelines of the General Plan Noise Element. Additionally, for all future projects located in areas where exterior noise levels exceed the Land Use – Noise Compatibility Guidelines as defined in the General Plan Noise Element, Table N-3, site-specific interior noise analyses demonstrating compliance with the interior standards of the General Plan would be required. These requirements for site-specific noise analyses would be implemented through submission of a Title 24 Compliance Report to demonstrate interior noise levels of 45 CNEL. Through implementation of this regulatory framework, exterior traffic noise impacts associated with new development requiring discretionary approvals and interior traffic noise impacts for both ministerial and discretionary projects would be less than significant.

However, in the case of exterior noise impacts associated with ministerial projects, there is no procedure to ensure that exterior noise is adequately attenuated. Therefore, exterior noise impacts for ministerial projects located in areas that exceed the applicable land use and noise compatibility level would be significant and unavoidable.

8.2.2 Trolley Noise

It is anticipated that noise levels due to future Purple Line Trolley operation would be similar to noise levels from the Blue and Green Line Trolleys. Noise levels along I-15 would exceed 70 and 75 CNEL along the future Purple Line Trolley. As with the Blue and Green Line Trolley, vehicle traffic noise would exceed the contribution of noise from trolley operations. However, the exact alignment of the Purple Line Trolley is not known at this time, and it could be located in close proximity to noise sensitive land uses. As with the Green Line Trolley, although vehicle traffic would be the dominant noise source, trolley noise levels in close proximity to the tracks would contribute to the overall exterior noise

level, and the combined vehicle traffic and trolley exterior noise levels could exceed the Land Use – Noise Compatibility Guidelines, resulting in a significant impact.

8.3 Stationary Noise

The land uses proposed by the CPU would be similar to the land uses that currently exist in the CPU area, although with greater density. Because noise levels in the CPU area are dominated by vehicle traffic on freeways and heavily traveled area roadways, noise levels from stationary sources throughout the CPU area would not be expected to increase the hourly or daily average sound level with respect to current conditions. While noise-sensitive residential land uses would be exposed to noise associated with the operation of commercial uses, future projects would be required to show compliance with the Noise Abatement and Control Ordinance to ensure noise compatibility between various land uses. As detailed in Section 4.4, the City regulates specific noise level limits allowable between land uses including the requirement for noise studies, limits on hours of operation for various noise-generating activities, and standards for the compatibility of various land uses with the existing and future noise environment. Through enforcement of the Noise Abatement and Control Ordinance of the SDMC, impacts would be less than significant.

8.4 Construction Noise

Although no specific construction or development is proposed at this time, construction noise impacts could occur as future development within the CPU area occurs. Due to the developed nature of CPU area, there is a high likelihood that construction activities would take place adjacent to existing structures and that sensitive receptors would be located in proximity to construction activities. The City regulates noise associated with construction equipment and activities through its Noise Abatement and Control Ordinance, which puts limits on the days of the week and hours of operation allowed for construction. The construction noise levels of 83 dB(A) L_{eq} at 50 feet would attenuate to 75 dB(A) L_{eq} at 120 feet. Therefore, significant impacts would occur if sensitive land uses are located closer than 120 feet of construction activities. The following mitigation measure would be implemented to address potential construction noise impacts:

NOISE-1: Future discretionary projects within the CPU area shall implement the following measures to minimize short-term noise levels caused by construction activities. Measures to reduce construction noise shall be included in the contractor specifications and shall include, but not be limited to, the following:

- Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment.

- Locate stationary noise-generating equipment (e.g., compressors) as far as possible from adjacent residential receivers.

- Acoustically shield stationary equipment located near residential receivers with temporary noise barriers.

- Utilize "quiet" air compressors and other stationary noise sources where technology exists.

- The contractor shall prepare a detailed construction plan identifying the schedule for major noise-generating construction activities. The construction plan shall identify a procedure for coordination with adjacent residential land uses so that construction activities can be scheduled to minimize noise disturbance.

- Designate a "disturbance coordinator" that shall be responsible for responding to any complaints about construction noise. The disturbance coordinator will determine the cause of the noise complaint (e.g., bad muffler, etc.) and will require that reasonable measures be implemented to correct the problem.

Implementation of this mitigation measure would reduce construction-related noise impacts for future discretionary projects implemented under the proposed CPU. However, in the case of ministerial projects, there is no procedure to ensure that construction-related noise impacts are mitigated. Even with implementation of NOISE-1, significant construction noise impacts may still occur, therefore this impact would be significant and unavoidable.

8.5 Vibration

Potential sources of ground-borne vibration could occur as a result of trolley operations. Portions of the Green Line Trolley tracks are on elevated structures and do not cause significant vibration impacts to adjacent development. It should be noted that the areas where noise- and vibration-sensitive uses are located the closest to the tracks (as close as 25 feet) are at the existing trolley stations. Impacts related to trolley vibration associated with the Green Line trolley would be less than significant.

The future Purple Line Trolley would run through the Stadium Specific Plan area. The exact alignment is not known at this time, however, vibration impacts and screening distances for the Purple Line Trolley are anticipated to be the same as those for the Green Line Trolley. Impacts would be less than significant; therefore, no mitigation measures are required.

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ATTACHMENTS

ATTACHMENT 1

Noise Measurement Data

Measurement 1 **Leq = 63.4**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
3	2015/09/16	13:07:33	54.7	292340.2	74.1	55.1	51.7
4	2015/09/16	13:07:35	60.9	1234500	76.1	62.4	55.1
5	2015/09/16	13:07:40	62.7	1871462	76.2	63.6	61.6
6	2015/09/16	13:07:45	60.7	1187048	74.0	61.6	59.7
7	2015/09/16	13:07:50	58.7	746908.4	76.5	59.7	58.4
8	2015/09/16	13:07:55	63.6	2304757	78.2	65.9	59.3
9	2015/09/16	13:08:00	68.4	6926363	82.4	69.3	65.9
10	2015/09/16	13:08:05	67.4	5551904	80.7	69.4	66.8
11	2015/09/16	13:08:10	64.7	2934864	77.8	66.7	63.8
12	2015/09/16	13:08:15	62.9	1934286	77.5	65.0	59.5
13	2015/09/16	13:08:20	55.4	346024.4	73.0	59.5	55.0
14	2015/09/16	13:08:25	59.9	972916.7	74.2	61.5	56.3
15	2015/09/16	13:08:30	52.9	193929	75.8	56.8	52.5
16	2015/09/16	13:08:35	57.5	566844.2	73.9	60.2	52.4
17	2015/09/16	13:08:40	67.2	5270467	85.5	68.4	60.3
18	2015/09/16	13:08:45	65.2	3332405	79.8	67.2	63.6
19	2015/09/16	13:08:50	61.1	1284327	78.1	67.2	57.9
20	2015/09/16	13:08:55	62.2	1672033	76.4	63.8	58.4
21	2015/09/16	13:09:00	62.9	1931678	78.1	65.5	58.2
22	2015/09/16	13:09:05	63.4	2165634	79.0	66.4	59.1
23	2015/09/16	13:09:10	62.9	1933405	80.0	64.9	58.3
24	2015/09/16	13:09:15	68.3	6814636	83.4	70.0	64.9
25	2015/09/16	13:09:20	64.4	2758733	78.5	68.0	61.7
26	2015/09/16	13:09:25	64.1	2557504	79.7	66.0	60.5
27	2015/09/16	13:09:30	63.7	2358901	77.4	65.3	63.1
28	2015/09/16	13:09:35	57.1	509999.2	73.9	63.4	55.6
29	2015/09/16	13:09:40	64.9	3108384	80.2	67.2	56.8
30	2015/09/16	13:09:45	66.0	3957656	79.1	67.2	65.6
31	2015/09/16	13:09:50	66.3	4287932	78.6	66.8	65.6
32	2015/09/16	13:09:55	63.2	2087662	79.4	66.3	61.6
33	2015/09/16	13:10:00	63.6	2265505	76.9	64.4	61.5
34	2015/09/16	13:10:05	57.8	606055.9	72.5	63.1	54.6
35	2015/09/16	13:10:10	54.4	275030.6	68.2	55.8	53.1
36	2015/09/16	13:10:15	63.4	2165868	78.3	65.5	55.8
37	2015/09/16	13:10:20	54.4	277842.4	71.1	62.2	52.7
38	2015/09/16	13:10:25	54.9	311919	81.2	56.3	53.7
39	2015/09/16	13:10:30	51.2	132592.1	64.6	53.7	51.2
40	2015/09/16	13:10:35	53.6	229543.3	68.3	54.4	51.5
41	2015/09/16	13:10:40	52.0	156828.7	67.9	53.7	50.5
42	2015/09/16	13:10:45	54.4	273435	71.3	57.3	50.0
43	2015/09/16	13:10:50	64.1	2593696	77.8	65.8	57.3
44	2015/09/16	13:10:55	64.1	2562469	76.9	65.7	63.3
45	2015/09/16	13:11:00	62.9	1957282	76.9	63.3	62.7
46	2015/09/16	13:11:05	66.1	4027605	82.4	68.0	63.1
47	2015/09/16	13:11:10	62.2	1652055	78.7	64.7	60.0
48	2015/09/16	13:11:15	69.2	8225189	82.3	69.7	64.7
49	2015/09/16	13:11:20	65.8	3789953	79.9	68.9	64.4
50	2015/09/16	13:11:25	60.3	1079162	78.0	64.7	58.0
51	2015/09/16	13:11:30	57.1	513090.1	71.1	58.2	55.6
52	2015/09/16	13:11:35	57.8	603590.3	79.8	58.9	54.8
53	2015/09/16	13:11:40	62.9	1958438	76.6	64.0	58.9
54	2015/09/16	13:11:45	59.7	940939.8	73.7	61.6	57.9
55	2015/09/16	13:11:50	63.1	2051135	79.1	65.4	57.8
56	2015/09/16	13:11:55	64.0	2520608	77.7	65.4	63.5
57	2015/09/16	13:12:00	62.8	1910329	78.0	64.6	61.0
58	2015/09/16	13:12:05	67.8	6051016	81.3	68.7	64.6
59	2015/09/16	13:12:10	61.5	1417039	79.0	68.1	58.0
60	2015/09/16	13:12:15	55.0	318036.4	70.2	58.0	53.8
61	2015/09/16	13:12:20	61.8	1496924	77.1	63.1	54.3
62	2015/09/16	13:12:25	57.6	578045.1	79.1	62.3	56.6
63	2015/09/16	13:12:30	64.6	2864575	78.7	66.4	57.5
64	2015/09/16	13:12:35	63.7	2366399	77.9	66.5	62.6
65	2015/09/16	13:12:40	63.9	2434414	82.3	64.7	62.3
66	2015/09/16	13:12:45	65.8	3829413	78.9	66.5	64.8
67	2015/09/16	13:12:50	57.7	583068.5	81.6	65.5	55.2
68	2015/09/16	13:12:55	54.8	301526.2	72.0	57.8	51.7
69	2015/09/16	13:13:00	65.2	3348525	79.1	66.6	57.8
70	2015/09/16	13:13:05	63.8	2421735	78.7	66.6	61.9
71	2015/09/16	13:13:10	64.5	2802741	79.8	64.9	61.7
72	2015/09/16	13:13:15	64.7	2978630	79.3	66.3	62.1
73	2015/09/16	13:13:20	59.9	980045	75.7	62.1	59.3
74	2015/09/16	13:13:25	64.7	2945530	77.3	64.8	61.0
75	2015/09/16	13:13:30	62.4	1728436	77.4	64.4	60.5
76	2015/09/16	13:13:35	58.1	649846.7	72.6	60.5	56.2
77	2015/09/16	13:13:40	61.8	1500537	76.7	63.5	58.5
78	2015/09/16	13:13:45	57.4	552744.9	73.2	59.7	55.7
79	2015/09/16	13:13:50	64.7	2972937	78.1	65.3	59.7
80	2015/09/16	13:13:55	57.0	506372.9	73.3	63.3	52.6
81	2015/09/16	13:14:00	49.2	82368.51	62.4	52.6	48.5
82	2015/09/16	13:14:05	49.6	90856.04	62.3	50.2	48.6
83	2015/09/16	13:14:10	56.0	401434.3	74.1	59.3	49.0
84	2015/09/16	13:14:15	65.1	3236305	82.1	67.3	59.3
85	2015/09/16	13:14:20	60.0	1008449	75.9	62.6	57.9
86	2015/09/16	13:14:25	59.8	949178.6	74.1	62.8	58.1
87	2015/09/16	13:14:30	65.0	3148370	78.8	66.3	59.7
88	2015/09/16	13:14:35	67.7	5832570	82.3	69.0	66.2
89	2015/09/16	13:14:40	65.3	3406816	90.9	66.4	64.0
90	2015/09/16	13:14:45	63.8	2394717	77.4	65.2	62.1
91	2015/09/16	13:14:50	64.1	2570408	77.4	65.4	63.3
92	2015/09/16	13:14:55	60.8	1212401	79.4	63.3	59.7

93	2015/09/16	13:15:00	59.3	841643.5	74.8	62.9	55.3
94	2015/09/16	13:15:05	59.3	851253.8	75.3	60.5	54.9
95	2015/09/16	13:15:10	63.5	2213200	81.3	64.5	60.5
96	2015/09/16	13:15:15	55.7	368109.9	76.5	61.8	54.2
97	2015/09/16	13:15:20	59.2	832445.8	76.1	61.4	54.0
98	2015/09/16	13:15:25	61.7	1493600	76.8	63.6	59.8
99	2015/09/16	13:15:30	67.1	5109179	81.5	68.5	63.6
100	2015/09/16	13:15:35	60.5	1126195	76.2	64.8	59.3
101	2015/09/16	13:15:40	62.3	1697451	76.2	63.8	61.1
102	2015/09/16	13:15:45	57.9	618557.8	77.4	61.1	56.5
103	2015/09/16	13:15:50	64.4	2729568	78.7	65.7	59.2
104	2015/09/16	13:15:55	59.9	980748.6	76.8	65.6	58.3
105	2015/09/16	13:16:00	63.9	2458317	79.0	65.4	58.3
106	2015/09/16	13:16:05	65.0	3147883	79.3	66.0	63.6
107	2015/09/16	13:16:10	60.7	1184823	75.3	65.8	59.6
108	2015/09/16	13:16:15	63.4	2191482	76.5	64.0	59.8
109	2015/09/16	13:16:20	66.9	4859625	85.1	68.6	64.0
110	2015/09/16	13:16:25	67.1	5095125	81.9	68.2	65.7
111	2015/09/16	13:16:30	66.6	4529427	80.3	68.2	65.3
112	2015/09/16	13:16:35	62.3	1683556	75.9	65.3	61.6
113	2015/09/16	13:16:40	67.2	5215132	80.7	68.0	62.6
114	2015/09/16	13:16:45	63.0	1974862	77.3	66.5	59.4
115	2015/09/16	13:16:50	51.9	156022.9	65.9	59.4	50.5
116	2015/09/16	13:16:55	49.7	93034.65	63.8	50.5	49.1
117	2015/09/16	13:17:00	60.3	1067206	87.2	63.5	50.5
118	2015/09/16	13:17:05	59.7	927234.1	76.5	63.8	54.9
119	2015/09/16	13:17:10	55.2	332524.7	72.3	57.7	53.0
120	2015/09/16	13:17:15	64.1	2598352	79.8	65.9	57.7
121	2015/09/16	13:17:20	67.5	5574872	80.9	68.1	65.9
122	2015/09/16	13:17:25	64.8	3053461	78.3	66.4	64.0
123	2015/09/16	13:17:30	62.6	1838625	78.2	64.1	62.0
124	2015/09/16	13:17:35	58.9	773871.4	73.7	62.2	56.1
125	2015/09/16	13:17:40	59.3	848095.3	73.7	61.2	55.7
126	2015/09/16	13:17:45	60.1	1025416	73.7	61.4	59.0
127	2015/09/16	13:17:50	66.4	4370401	82.7	67.8	60.9
128	2015/09/16	13:17:55	59.3	854432.2	77.6	66.7	56.3
129	2015/09/16	13:18:00	57.7	591237.1	75.3	59.5	56.1
130	2015/09/16	13:18:05	63.1	2056400	76.2	64.8	59.5
131	2015/09/16	13:18:10	56.7	469563.3	72.2	62.1	54.0
132	2015/09/16	13:18:15	55.9	389186.1	73.4	56.8	54.1
133	2015/09/16	13:18:20	56.3	423804.5	78.2	57.2	55.5
134	2015/09/16	13:18:25	60.5	1120393	73.2	61.3	57.2
135	2015/09/16	13:18:30	66.8	4773566	80.8	67.5	61.4
136	2015/09/16	13:18:35	67.7	5900703	82.5	68.3	67.3
137	2015/09/16	13:18:40	64.7	2947813	78.7	67.5	63.2
138	2015/09/16	13:18:45	64.1	2545921	77.2	64.6	63.3
139	2015/09/16	13:18:50	59.7	935117.1	75.1	63.5	57.1
140	2015/09/16	13:18:55	54.4	276501.6	71.7	57.1	53.9
141	2015/09/16	13:19:00	50.6	114412.5	70.5	53.9	50.0
142	2015/09/16	13:19:05	54.8	300134.2	70.0	57.3	50.3
143	2015/09/16	13:19:10	66.9	4877098	82.5	69.4	57.3
144	2015/09/16	13:19:15	68.1	6476977	82.2	69.7	67.6
145	2015/09/16	13:19:20	66.1	4062859	78.6	67.9	65.1
146	2015/09/16	13:19:25	60.3	1067657	76.6	65.1	59.0
147	2015/09/16	13:19:30	60.5	1111727	73.9	61.1	59.0
148	2015/09/16	13:19:35	58.0	628118.4	72.9	61.0	55.9
149	2015/09/16	13:19:40	53.8	241590.3	67.5	55.9	53.3
150	2015/09/16	13:19:45	62.9	1948289	79.2	65.7	54.6
151	2015/09/16	13:19:50	66.3	4309114	78.7	66.9	65.3
152	2015/09/16	13:19:55	63.1	2044357	77.4	66.5	59.6
153	2015/09/16	13:20:00	54.5	282628.6	76.5	59.5	53.5
154	2015/09/16	13:20:05	57.5	556804	85.0	59.0	54.8
155	2015/09/16	13:20:10	62.9	1958550	78.8	64.1	59.0
156	2015/09/16	13:20:15	63.9	2479781	77.9	64.6	63.3
157	2015/09/16	13:20:20	62.7	1868860	84.5	64.8	59.1
158	2015/09/16	13:20:25	53.6	230312.2	74.7	59.0	53.8
159	2015/09/16	13:20:30	55.8	381756.4	72.1	57.9	53.8
160	2015/09/16	13:20:35	66.8	4760602	82.4	68.7	57.9
161	2015/09/16	13:20:40	67.3	5385665	80.7	67.9	65.8
162	2015/09/16	13:20:45	66.6	4581669	80.2	68.3	64.5
163	2015/09/16	13:20:50	67.4	5536185	81.7	68.5	64.5
164	2015/09/16	13:20:55	66.5	4463596	81.2	67.8	64.2
165	2015/09/16	13:21:00	62.1	1626123	79.3	64.8	59.8
166	2015/09/16	13:21:05	62.3	1698237	84.8	66.2	56.8
167	2015/09/16	13:21:10	50.1	103096.3	63.7	56.7	48.8
168	2015/09/16	13:21:15	48.4	69936.77	61.8	49.2	47.8
169	2015/09/16	13:21:20	55.9	387021.4	74.8	58.9	49.2
170	2015/09/16	13:21:25	65.8	3776389	79.4	66.7	58.9
171	2015/09/16	13:21:30	66.8	4741772	80.3	67.6	65.4
172	2015/09/16	13:21:35	61.1	1289288	75.1	65.4	60.0
173	2015/09/16	13:21:40	61.3	1333812	75.8	61.8	60.3
174	2015/09/16	13:21:45	62.0	1583454	75.9	62.8	60.4
175	2015/09/16	13:21:50	58.4	694693.8	73.3	62.5	56.3
176	2015/09/16	13:21:55	57.6	568991.8	71.6	58.7	56.3
177	2015/09/16	13:22:00	58.7	743948.9	72.4	59.5	56.8
178	2015/09/16	13:22:05	69.2	8273432	86.1	72.1	59.4
179	2015/09/16	13:22:10	71.6	14544332	85.1	72.5	70.5
180	2015/09/16	13:22:15	67.2	5307828	82.6	70.5	65.1
181	2015/09/16	13:22:20	63.7	2324265	78.9	65.7	61.8
182	2015/09/16	13:22:25	66.4	4378569	80.1	67.2	65.3
183	2015/09/16	13:22:30	63.8	2395979	78.4	65.3	62.8

Measurement 2 **Leq = 65.1**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
2	2015/09/16	14:00:27	65.3	3422893	78.2	66.6	65.2
3	2015/09/16	14:00:30	65.9	3884839	80.8	67.4	64.6
4	2015/09/16	14:00:35	64.0	2511039	78.3	64.6	63.6
5	2015/09/16	14:00:40	64.8	3009235	77.7	66.1	63.1
6	2015/09/16	14:00:45	63.2	2104891	78.1	64.2	62.4
7	2015/09/16	14:00:50	63.4	2205393	77.5	64.4	62.9
8	2015/09/16	14:00:55	63.6	2275491	75.9	64.1	62.8
9	2015/09/16	14:01:00	66.0	3965729	77.6	66.1	64.2
10	2015/09/16	14:01:05	65.2	3287903	79.1	66.1	64.1
11	2015/09/16	14:01:10	66.0	3943658	79.2	66.7	65.2
12	2015/09/16	14:01:15	62.8	1898327	76.3	65.2	61.7
13	2015/09/16	14:01:20	63.8	2403888	76.7	64.3	62.5
14	2015/09/16	14:01:25	62.2	1668239	75.4	63.9	61.9
15	2015/09/16	14:01:30	64.8	3037251	80.0	66.2	62.3
16	2015/09/16	14:01:35	60.9	1226243	74.4	62.6	60.7
17	2015/09/16	14:01:40	66.5	4507289	80.2	67.2	61.7
18	2015/09/16	14:01:45	66.3	4228671	80.2	67.3	64.6
19	2015/09/16	14:01:50	63.3	2136948	76.3	64.6	63.1
20	2015/09/16	14:01:55	63.9	2466667	76.0	64.7	63.1
21	2015/09/16	14:02:00	66.6	4527343	79.8	66.8	64.7
22	2015/09/16	14:02:05	66.9	4914761	79.3	67.6	66.3
23	2015/09/16	14:02:10	64.4	2744473	77.3	67.1	63.6
24	2015/09/16	14:02:15	64.0	2504123	81.6	64.2	63.6
25	2015/09/16	14:02:20	68.1	6385252	82.1	68.7	64.1
26	2015/09/16	14:02:25	65.0	3129363	77.5	67.8	64.6
27	2015/09/16	14:02:30	66.8	4836630	80.9	67.7	65.2
28	2015/09/16	14:02:35	65.5	3553561	78.6	67.2	65.3
29	2015/09/16	14:02:40	65.8	3803333	78.7	66.2	65.3
30	2015/09/16	14:02:45	65.0	3186233	77.5	65.9	64.1
31	2015/09/16	14:02:50	64.2	2660389	76.6	64.8	63.5
32	2015/09/16	14:02:55	62.0	1572082	75.1	63.5	61.7
33	2015/09/16	14:03:00	63.2	2112398	78.0	64.0	62.0
34	2015/09/16	14:03:05	63.9	2473836	77.8	65.0	62.7
35	2015/09/16	14:03:10	64.7	2983333	79.3	65.9	63.3
36	2015/09/16	14:03:15	66.2	4136942	80.7	66.9	64.9
37	2015/09/16	14:03:20	62.6	1834937	76.2	64.9	62.2
38	2015/09/16	14:03:25	62.5	1791692	76.1	63.0	61.9
39	2015/09/16	14:03:30	62.5	1759067	76.4	63.3	61.7
40	2015/09/16	14:03:35	62.1	1622828	74.7	62.7	61.4
41	2015/09/16	14:03:40	62.6	1802314	78.1	63.3	61.6
42	2015/09/16	14:03:45	63.8	2391635	93.1	64.7	62.5
43	2015/09/16	14:03:50	63.9	2470151	78.7	64.7	63.4
44	2015/09/16	14:03:55	64.2	2621598	76.9	64.9	63.3
45	2015/09/16	14:04:00	64.7	2933710	77.8	64.9	64.5
46	2015/09/16	14:04:05	66.2	4212537	81.1	67.6	64.8
47	2015/09/16	14:04:10	66.4	4356932	80.7	68.1	64.9
48	2015/09/16	14:04:15	65.4	3496221	77.8	65.9	64.6
49	2015/09/16	14:04:20	65.3	3370817	78.5	66.1	64.4
50	2015/09/16	14:04:25	65.2	3292052	87.7	65.7	64.7
51	2015/09/16	14:04:30	69.3	8536498	85.6	72.2	64.5
52	2015/09/16	14:04:35	68.6	7254265	84.3	72.4	65.6
53	2015/09/16	14:04:40	63.6	2275961	77.4	65.6	63.1
54	2015/09/16	14:04:45	63.5	2216114	78.6	64.7	62.1
55	2015/09/16	14:04:50	65.7	3718366	79.2	66.4	64.6
56	2015/09/16	14:04:55	66.8	4749818	80.3	67.3	66.1
57	2015/09/16	14:05:00	65.9	3920848	79.2	67.2	65.5
58	2015/09/16	14:05:05	65.8	3789621	79.5	66.2	65.2
59	2015/09/16	14:05:10	65.1	3210540	78.2	66.2	64.8
60	2015/09/16	14:05:15	64.5	2833569	77.7	65.5	63.8
61	2015/09/16	14:05:20	63.5	2232739	77.2	64.0	62.7
62	2015/09/16	14:05:25	64.4	2739974	77.4	65.4	62.9
63	2015/09/16	14:05:30	61.7	1484416	74.2	62.9	61.3
64	2015/09/16	14:05:35	62.5	1781175	75.6	62.8	61.8
65	2015/09/16	14:05:40	62.3	1691690	76.1	63.7	60.6
66	2015/09/16	14:05:45	63.4	2194537	76.4	64.1	62.7
67	2015/09/16	14:05:50	61.8	1516798	75.3	62.7	61.4
68	2015/09/16	14:05:55	62.4	1756950	75.8	62.7	62.2
69	2015/09/16	14:06:00	63.5	2255974	77.4	64.1	62.2
70	2015/09/16	14:06:05	61.9	1543270	75.3	64.1	61.4
71	2015/09/16	14:06:10	62.7	1841533	76.2	63.7	61.2
72	2015/09/16	14:06:15	66.4	4340675	79.8	67.6	63.7
73	2015/09/16	14:06:20	69.2	8225637	81.3	70.7	66.3
74	2015/09/16	14:06:25	63.3	2157691	76.9	66.3	62.8
75	2015/09/16	14:06:30	63.1	2052504	76.2	63.4	62.9
76	2015/09/16	14:06:35	63.1	2018400	76.3	63.6	62.4
77	2015/09/16	14:06:40	64.3	2697548	79.3	64.6	63.4
78	2015/09/16	14:06:45	66.8	4763857	79.5	67.3	64.6
79	2015/09/16	14:06:50	64.3	2714195	76.5	66.3	64.1
80	2015/09/16	14:06:55	65.5	3569666	80.1	66.7	64.2
81	2015/09/16	14:07:00	66.1	4061718	78.4	66.9	65.7
82	2015/09/16	14:07:05	65.2	3343828	78.3	66.1	64.4
83	2015/09/16	14:07:10	65.8	3778074	79.0	66.4	65.1
84	2015/09/16	14:07:15	65.9	3919463	78.7	66.4	65.5
85	2015/09/16	14:07:20	64.6	2892433	78.0	65.5	64.4
86	2015/09/16	14:07:25	65.3	3366396	77.4	65.6	64.8
87	2015/09/16	14:07:30	68.5	7083588	81.6	69.1	65.4
88	2015/09/16	14:07:35	64.3	2694186	78.4	67.7	62.9
89	2015/09/16	14:07:40	64.6	2874107	77.4	65.1	62.8
90	2015/09/16	14:07:45	65.7	3713255	79.7	66.7	63.7
91	2015/09/16	14:07:50	64.6	2888579	79.9	66.7	64.1

92	2015/09/16	14:07:55	63.3	2158380	77.4	64.4	63.0
93	2015/09/16	14:08:00	63.9	2429371	77.2	64.2	63.1
94	2015/09/16	14:08:05	63.6	2301197	75.7	64.0	63.3
95	2015/09/16	14:08:10	63.2	2101802	75.8	63.8	62.2
96	2015/09/16	14:08:15	65.9	3856383	80.7	67.4	63.7
97	2015/09/16	14:08:20	64.2	2645810	81.1	67.9	62.1
98	2015/09/16	14:08:25	63.3	2118535	77.0	64.7	61.8
99	2015/09/16	14:08:30	65.0	3155203	78.8	65.9	63.8
100	2015/09/16	14:08:35	63.2	2088673	78.4	63.8	62.7
101	2015/09/16	14:08:40	65.9	3904551	79.3	66.4	63.8
102	2015/09/16	14:08:45	64.6	2851651	77.5	65.8	63.6
103	2015/09/16	14:08:50	64.5	2822505	76.3	64.6	63.6
104	2015/09/16	14:08:55	68.1	6396547	83.3	69.7	64.5
105	2015/09/16	14:09:00	65.5	3565855	78.7	69.3	64.3
106	2015/09/16	14:09:05	63.4	2205217	78.1	65.1	62.5
107	2015/09/16	14:09:10	64.1	2572708	77.8	65.2	63.4
108	2015/09/16	14:09:15	64.0	2484824	77.3	64.4	63.5
109	2015/09/16	14:09:20	64.6	2872103	78.0	65.5	63.6
110	2015/09/16	14:09:25	64.0	2502037	85.3	64.3	63.4
111	2015/09/16	14:09:30	62.6	1830875	85.6	64.0	62.0
112	2015/09/16	14:09:35	61.4	1391340	74.9	62.0	61.0
113	2015/09/16	14:09:40	63.0	1987898	76.9	63.4	62.0
114	2015/09/16	14:09:45	65.7	3736419	78.5	66.2	63.4
115	2015/09/16	14:09:50	63.6	2294746	86.5	66.0	63.0
116	2015/09/16	14:09:55	62.2	1667324	75.8	63.0	61.6
117	2015/09/16	14:10:00	64.3	2681258	77.5	64.8	62.8
118	2015/09/16	14:10:05	62.5	1798848	80.6	64.2	62.4
119	2015/09/16	14:10:10	65.9	3897444	79.0	66.6	62.8
120	2015/09/16	14:10:15	64.9	3090687	78.1	66.2	64.0
121	2015/09/16	14:10:20	72.3	17067628	93.4	76.8	65.3
122	2015/09/16	14:10:25	73.5	22394646	92.5	77.3	68.9
123	2015/09/16	14:10:30	65.4	3488828	78.6	68.9	63.7
124	2015/09/16	14:10:35	62.5	1781109	75.7	64.1	62.1
125	2015/09/16	14:10:40	63.8	2387412	80.5	66.3	61.8
126	2015/09/16	14:10:45	65.6	3599192	79.0	66.7	64.7
127	2015/09/16	14:10:50	63.4	2193762	76.6	64.7	62.7
128	2015/09/16	14:10:55	62.8	1886833	76.0	63.3	61.7
129	2015/09/16	14:11:00	63.8	2406669	76.9	64.4	63.2
130	2015/09/16	14:11:05	66.8	4791899	79.3	67.6	64.1
131	2015/09/16	14:11:10	63.8	2381142	82.4	66.5	63.6
132	2015/09/16	14:11:15	64.4	2745399	78.8	66.3	63.0
133	2015/09/16	14:11:20	64.5	2815157	78.2	65.0	63.0
134	2015/09/16	14:11:25	62.5	1771390	83.0	64.1	62.1
135	2015/09/16	14:11:30	60.2	1041925	75.1	62.2	59.1
136	2015/09/16	14:11:35	62.1	1625662	76.3	62.8	60.1
137	2015/09/16	14:11:40	62.3	1697993	82.1	62.9	61.3
138	2015/09/16	14:11:45	64.4	2732624	83.6	66.2	61.8
139	2015/09/16	14:11:50	66.7	4630274	81.6	68.3	65.2
140	2015/09/16	14:11:55	62.2	1675756	75.9	65.2	61.4
141	2015/09/16	14:12:00	65.8	3770940	79.5	66.3	61.9
142	2015/09/16	14:12:05	64.4	2758699	78.9	66.2	62.6
143	2015/09/16	14:12:10	61.2	1325193	74.7	62.6	60.9
144	2015/09/16	14:12:15	62.7	1862714	76.4	63.9	61.4
145	2015/09/16	14:12:20	64.7	2981148	77.3	65.0	63.8
146	2015/09/16	14:12:25	64.7	2920792	77.7	65.4	63.9
147	2015/09/16	14:12:30	64.7	2940882	77.1	65.3	64.1
148	2015/09/16	14:12:35	67.1	5101072	82.2	68.1	65.3
149	2015/09/16	14:12:40	65.2	3348760	78.6	66.4	64.7
150	2015/09/16	14:12:45	70.1	10260125	86.3	72.5	64.9
151	2015/09/16	14:12:50	65.4	3468149	83.6	72.7	63.3
152	2015/09/16	14:12:55	62.6	1839707	75.6	63.8	61.9
153	2015/09/16	14:13:00	69.0	7955474	83.0	72.4	61.6
154	2015/09/16	14:13:05	67.9	6140852	82.3	72.7	65.1
155	2015/09/16	14:13:10	65.3	3370935	78.6	65.9	64.4
156	2015/09/16	14:13:15	65.2	3306182	78.5	65.6	64.8
157	2015/09/16	14:13:20	65.1	3230585	78.3	66.2	63.8
158	2015/09/16	14:13:25	65.4	3442878	77.9	65.9	63.7
159	2015/09/16	14:13:30	63.9	2461033	78.2	65.4	63.3
160	2015/09/16	14:13:35	63.3	2127707	76.3	63.4	62.9
161	2015/09/16	14:13:40	64.0	2514840	77.8	64.5	63.4
162	2015/09/16	14:13:45	62.9	1928036	81.3	64.5	62.2
163	2015/09/16	14:13:50	63.1	2061607	75.7	63.8	62.1
164	2015/09/16	14:13:55	64.0	2534760	77.8	64.6	63.3
165	2015/09/16	14:14:00	64.2	2619817	78.9	65.1	62.6
166	2015/09/16	14:14:05	64.5	2797267	76.8	65.2	63.7
167	2015/09/16	14:14:10	65.2	3305317	78.9	65.7	64.4
168	2015/09/16	14:14:15	64.8	3034552	77.8	65.5	64.2
169	2015/09/16	14:14:20	65.9	3935284	80.4	67.5	63.4
170	2015/09/16	14:14:25	65.3	3361131	78.9	67.2	64.5
171	2015/09/16	14:14:30	64.3	2715779	76.8	64.7	64.0
172	2015/09/16	14:14:35	62.4	1720983	77.2	64.0	61.4
173	2015/09/16	14:14:40	60.6	1141263	72.8	61.5	59.7
174	2015/09/16	14:14:45	62.0	1598481	74.5	62.9	59.8
175	2015/09/16	14:14:50	63.8	2420638	76.6	64.1	62.9
176	2015/09/16	14:14:55	65.8	3772987	78.8	66.9	63.9
177	2015/09/16	14:15:00	65.7	3733513	80.0	67.0	65.6
178	2015/09/16	14:15:05	63.8	2400213	76.8	65.6	63.2
179	2015/09/16	14:15:10	66.3	4272450	79.4	66.8	64.6
180	2015/09/16	14:15:15	65.1	3227306	78.5	66.1	64.0
181	2015/09/16	14:15:20	64.2	2619803	78.8	65.7	63.0
182	2015/09/16	14:15:25	63.3	2122642	75.8	63.4	62.9

Measurement 3 **Leq = 66.1**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
2	2015/09/16	14:41:08	63.7	2334840	76.3	70.8	66.2
3	2015/09/16	14:41:10	64.1	2568603	77.3	66.2	63.6
4	2015/09/16	14:41:15	64.7	2926159	77.7	65.5	63.5
5	2015/09/16	14:41:20	65.6	3622669	77.2	65.8	65.2
6	2015/09/16	14:41:25	65.2	3310256	82.7	65.9	64.9
7	2015/09/16	14:41:30	65.0	3184230	82.1	65.6	64.6
8	2015/09/16	14:41:35	64.9	3058792	77.5	65.5	64.4
9	2015/09/16	14:41:40	64.9	3086168	78.4	65.6	64.6
10	2015/09/16	14:41:45	65.4	3503833	78.9	65.9	64.8
11	2015/09/16	14:41:50	65.5	3562493	78.3	65.7	65.3
12	2015/09/16	14:41:55	65.6	3594712	79.3	66.4	64.9
13	2015/09/16	14:42:00	64.2	2649554	77.0	64.9	64.0
14	2015/09/16	14:42:05	63.9	2461074	77.1	64.4	63.6
15	2015/09/16	14:42:10	64.1	2594133	79.5	64.7	63.5
16	2015/09/16	14:42:15	64.4	2785708	76.8	64.7	64.1
17	2015/09/16	14:42:20	64.5	2817012	78.6	64.8	64.1
18	2015/09/16	14:42:25	64.5	2842948	76.8	64.8	64.3
19	2015/09/16	14:42:30	65.3	3352339	78.3	65.7	64.4
20	2015/09/16	14:42:35	65.6	3601051	79.2	65.9	65.3
21	2015/09/16	14:42:40	64.6	2915860	77.9	65.3	64.5
22	2015/09/16	14:42:45	65.3	3423482	79.6	65.6	64.8
23	2015/09/16	14:42:50	65.0	3133863	78.2	65.2	64.8
24	2015/09/16	14:42:55	65.0	3144065	78.5	65.3	64.6
25	2015/09/16	14:43:00	65.6	3649830	78.7	66.0	65.2
26	2015/09/16	14:43:05	67.5	5565087	83.1	68.5	65.7
27	2015/09/16	14:43:10	69.6	9173597	88.1	70.7	67.7
28	2015/09/16	14:43:15	68.9	7695198	86.4	71.9	67.5
29	2015/09/16	14:43:20	66.8	4767641	79.4	67.5	66.7
30	2015/09/16	14:43:25	66.7	4700082	80.0	67.3	66.3
31	2015/09/16	14:43:30	65.8	3802418	77.9	66.8	65.7
32	2015/09/16	14:43:35	65.9	3850656	79.4	66.1	65.5
33	2015/09/16	14:43:40	65.9	3846329	78.9	66.1	65.6
34	2015/09/16	14:43:45	66.3	4284777	80.9	66.4	65.9
35	2015/09/16	14:43:50	66.9	4917490	80.2	67.2	66.4
36	2015/09/16	14:43:55	66.9	4927426	79.6	67.2	66.7
37	2015/09/16	14:44:00	66.3	4226035	78.7	66.8	65.9
38	2015/09/16	14:44:05	66.2	4153559	80.3	66.4	66.0
39	2015/09/16	14:44:10	66.1	4099632	80.1	66.5	65.9
40	2015/09/16	14:44:15	65.8	3837150	78.3	66.6	65.3
41	2015/09/16	14:44:20	67.2	5216213	83.7	67.4	66.6
42	2015/09/16	14:44:25	67.4	5442522	79.7	67.7	67.1
43	2015/09/16	14:44:30	67.3	5425101	82.5	68.5	66.4
44	2015/09/16	14:44:35	68.3	6705608	81.1	68.9	67.7
45	2015/09/16	14:44:40	69.9	9835031	84.4	71.6	67.7
46	2015/09/16	14:44:45	74.4	27332482	87.0	75.0	71.6
47	2015/09/16	14:44:50	70.3	10796506	85.5	74.1	68.9
48	2015/09/16	14:44:55	68.3	6715487	81.7	68.8	67.9
49	2015/09/16	14:45:00	67.1	5157578	80.7	68.2	66.3
50	2015/09/16	14:45:05	68.0	6376946	82.0	69.0	67.3
51	2015/09/16	14:45:10	67.4	5460545	80.6	67.6	67.1
52	2015/09/16	14:45:15	70.3	10605571	83.9	71.7	67.4
53	2015/09/16	14:45:20	72.3	17082836	85.7	72.9	71.6
54	2015/09/16	14:45:25	68.2	6595090	81.9	71.6	66.7
55	2015/09/16	14:45:30	66.2	4154187	80.2	66.8	65.9
56	2015/09/16	14:45:35	65.5	3545343	78.5	66.1	65.3
57	2015/09/16	14:45:40	65.5	3518056	78.5	65.7	65.2
58	2015/09/16	14:45:45	66.3	4257907	79.0	66.8	65.5
59	2015/09/16	14:45:50	66.2	4194055	79.6	66.8	65.8
60	2015/09/16	14:45:55	67.2	5197015	80.6	67.7	66.1
61	2015/09/16	14:46:00	66.5	4483684	79.2	66.9	66.2
62	2015/09/16	14:46:05	65.3	3405451	78.8	66.7	64.8
63	2015/09/16	14:46:10	66.9	4910653	79.7	67.1	65.5
64	2015/09/16	14:46:15	66.3	4297774	79.0	67.0	66.0
65	2015/09/16	14:46:20	65.6	3600450	78.0	66.0	65.1
66	2015/09/16	14:46:25	66.2	4148622	81.1	66.4	65.6
67	2015/09/16	14:46:30	66.2	4138112	78.7	66.6	65.5
68	2015/09/16	14:46:35	66.2	4172603	83.2	66.6	65.7
69	2015/09/16	14:46:40	66.4	4332569	79.1	66.7	65.8
70	2015/09/16	14:46:45	65.8	3824109	78.4	66.6	65.2
71	2015/09/16	14:46:50	66.1	4055379	78.9	66.3	65.4
72	2015/09/16	14:46:55	66.2	4141341	79.4	66.6	65.6
73	2015/09/16	14:47:00	65.8	3836739	78.1	66.1	65.6
74	2015/09/16	14:47:05	64.7	2958495	78.1	65.6	64.3
75	2015/09/16	14:47:10	64.8	3032298	77.6	65.1	64.4
76	2015/09/16	14:47:15	64.7	2946452	76.8	64.9	64.4
77	2015/09/16	14:47:20	65.9	3894583	81.1	66.5	64.5
78	2015/09/16	14:47:25	65.9	3876311	78.9	66.4	65.8
79	2015/09/16	14:47:30	64.9	3072325	78.0	65.9	64.5
80	2015/09/16	14:47:35	65.6	3636243	79.2	66.1	64.6
81	2015/09/16	14:47:40	66.3	4267897	79.1	66.7	65.9
82	2015/09/16	14:47:45	65.8	3765227	78.7	66.7	65.3
83	2015/09/16	14:47:50	64.7	2933875	78.3	65.4	64.5
84	2015/09/16	14:47:55	65.3	3415337	78.2	65.6	64.6
85	2015/09/16	14:48:00	65.1	3272517	77.9	65.6	64.8
86	2015/09/16	14:48:05	65.7	3695678	78.2	65.8	65.2
87	2015/09/16	14:48:10	65.5	3568161	78.4	65.8	65.2
88	2015/09/16	14:48:15	65.6	3590332	77.8	66.2	65.0
89	2015/09/16	14:48:20	66.4	4368497	80.0	66.6	66.0
90	2015/09/16	14:48:25	66.1	4027286	79.2	66.5	65.7
91	2015/09/16	14:48:30	65.6	3589632	80.9	65.8	65.3
92	2015/09/16	14:48:35	65.4	3477502	78.1	65.8	65.2
93	2015/09/16	14:48:40	65.6	3672766	80.0	66.1	65.3
94	2015/09/16	14:48:45	66.0	3985984	80.7	66.9	65.2
95	2015/09/16	14:48:50	64.9	3056976	78.1	65.7	64.3
96	2015/09/16	14:48:55	65.4	3434053	78.9	65.8	65.0

97	2015/09/16	14:49:00	67.1	5077389	80.9	67.5	65.8
98	2015/09/16	14:49:05	66.1	4044053	79.1	66.8	65.6
99	2015/09/16	14:49:10	64.3	2684609	77.7	65.6	63.6
100	2015/09/16	14:49:15	64.8	3035954	77.6	65.7	63.6
101	2015/09/16	14:49:20	64.7	2953308	78.4	65.6	63.9
102	2015/09/16	14:49:25	64.7	2948549	77.8	65.7	64.1
103	2015/09/16	14:49:30	65.0	3171335	78.2	65.4	64.4
104	2015/09/16	14:49:35	64.3	2695114	77.1	64.9	63.9
105	2015/09/16	14:49:40	65.6	3600741	78.3	65.9	64.8
106	2015/09/16	14:49:45	66.0	3962895	78.9	66.5	65.6
107	2015/09/16	14:49:50	64.9	3124683	78.3	65.9	64.7
108	2015/09/16	14:49:55	64.6	2877118	78.0	65.3	64.4
109	2015/09/16	14:50:00	64.7	2923133	77.4	65.1	64.1
110	2015/09/16	14:50:05	64.9	3119439	78.0	65.4	64.4
111	2015/09/16	14:50:10	65.5	3583986	79.7	66.2	64.8
112	2015/09/16	14:50:15	63.5	2244198	76.7	64.8	63.1
113	2015/09/16	14:50:20	63.6	2265953	75.8	63.9	63.2
114	2015/09/16	14:50:25	64.1	2558263	78.4	64.3	63.8
115	2015/09/16	14:50:30	65.6	3641472	78.7	66.1	64.2
116	2015/09/16	14:50:35	66.5	4447324	79.4	67.0	66.0
117	2015/09/16	14:50:40	66.6	4588636	79.0	67.1	66.2
118	2015/09/16	14:50:45	66.3	4231636	79.4	67.0	65.8
119	2015/09/16	14:50:50	65.9	3852388	78.6	66.1	65.5
120	2015/09/16	14:50:55	64.8	3020824	78.0	65.8	64.5
121	2015/09/16	14:51:00	65.1	3249248	77.2	65.4	64.6
122	2015/09/16	14:51:05	65.2	3279095	77.6	65.5	64.9
123	2015/09/16	14:51:10	64.9	3094866	77.9	65.2	64.7
124	2015/09/16	14:51:15	64.9	3063573	78.7	65.2	64.7
125	2015/09/16	14:51:20	65.2	3341638	78.9	65.5	64.7
126	2015/09/16	14:51:25	66.0	3947830	79.4	66.1	65.5
127	2015/09/16	14:51:30	65.9	3925652	78.1	66.2	65.7
128	2015/09/16	14:51:35	66.4	4412979	79.3	66.7	65.9
129	2015/09/16	14:51:40	65.8	3824834	78.8	66.3	65.7
130	2015/09/16	14:51:45	66.4	4402735	79.0	66.6	65.8
131	2015/09/16	14:51:50	66.2	4214299	78.6	66.5	66.0
132	2015/09/16	14:51:55	65.8	3765042	78.8	66.5	65.4
133	2015/09/16	14:52:00	66.7	4629135	79.4	66.9	65.8
134	2015/09/16	14:52:05	66.2	4211605	81.2	67.0	66.1
135	2015/09/16	14:52:10	65.3	3371693	78.3	66.2	65.1
136	2015/09/16	14:52:15	65.4	3444942	79.5	65.8	65.2
137	2015/09/16	14:52:20	65.6	3648875	78.2	65.9	65.2
138	2015/09/16	14:52:25	65.3	3366887	78.3	65.5	64.9
139	2015/09/16	14:52:30	64.8	3046153	77.8	65.4	64.6
140	2015/09/16	14:52:35	63.5	2231365	76.7	64.9	62.8
141	2015/09/16	14:52:40	64.0	2507033	77.5	64.9	62.8
142	2015/09/16	14:52:45	65.1	3228032	77.9	65.3	64.8
143	2015/09/16	14:52:50	65.4	3443235	77.3	65.6	65.1
144	2015/09/16	14:52:55	66.5	4466506	79.6	66.8	65.3
145	2015/09/16	14:53:00	66.9	4915546	79.3	67.5	66.2
146	2015/09/16	14:53:05	66.2	4171775	79.5	66.5	65.9
147	2015/09/16	14:53:10	65.9	3891307	81.3	66.6	65.2
148	2015/09/16	14:53:15	64.9	3095426	78.2	65.2	64.6
149	2015/09/16	14:53:20	66.4	4393232	78.7	66.7	65.0
150	2015/09/16	14:53:25	67.7	5828903	81.9	68.3	66.5
151	2015/09/16	14:53:30	71.4	13701507	87.1	72.3	67.6
152	2015/09/16	14:53:35	67.4	5519550	82.0	71.3	66.2
153	2015/09/16	14:53:40	67.1	5122183	80.0	67.6	66.5
154	2015/09/16	14:53:45	66.3	4264082	79.3	67.0	65.7
155	2015/09/16	14:53:50	65.3	3366160	79.7	65.7	65.1
156	2015/09/16	14:53:55	65.5	3510500	79.5	66.1	65.0
157	2015/09/16	14:54:00	65.4	3488166	79.5	66.1	64.9
158	2015/09/16	14:54:05	66.4	4391041	80.2	67.3	65.7
159	2015/09/16	14:54:10	66.0	3949551	80.9	67.3	65.2
160	2015/09/16	14:54:15	64.5	2799007	77.1	65.4	64.1
161	2015/09/16	14:54:20	64.4	2743326	77.0	64.5	64.1
162	2015/09/16	14:54:25	64.6	2876997	77.4	65.0	64.2
163	2015/09/16	14:54:30	64.9	3095719	77.4	65.3	64.4
164	2015/09/16	14:54:35	63.4	2177819	76.1	64.4	63.2
165	2015/09/16	14:54:40	64.6	2878974	78.3	64.8	63.5
166	2015/09/16	14:54:45	64.6	2854759	77.3	64.8	64.3
167	2015/09/16	14:54:50	64.7	2967229	77.7	65.1	64.4
168	2015/09/16	14:54:55	64.0	2528857	77.3	64.9	63.0
169	2015/09/16	14:55:00	64.1	2570314	77.9	64.9	63.2
170	2015/09/16	14:55:05	64.2	2640892	77.4	64.9	63.1
171	2015/09/16	14:55:10	65.1	3267123	77.8	65.7	64.7
172	2015/09/16	14:55:15	66.4	4359152	79.6	66.7	65.7
173	2015/09/16	14:55:20	66.2	4127193	78.6	66.5	65.9
174	2015/09/16	14:55:25	66.2	4141996	80.3	66.5	66.0
175	2015/09/16	14:55:30	65.1	3267100	78.3	66.0	64.5
176	2015/09/16	14:55:35	64.5	2838915	78.1	65.3	63.7
177	2015/09/16	14:55:40	65.9	3848890	78.3	66.3	65.1
178	2015/09/16	14:55:45	65.2	3292104	77.3	65.8	64.8
179	2015/09/16	14:55:50	65.4	3471905	78.2	65.7	64.8
180	2015/09/16	14:55:55	66.2	4162975	79.1	66.5	65.5
181	2015/09/16	14:56:00	65.9	3884047	78.8	66.3	65.7
182	2015/09/16	14:56:05	65.2	3288399	78.3	66.1	64.4
183	2015/09/16	14:56:10	64.9	3122866	80.05129	65.70419	64.16195
184	2015/09/16	14:56:15	64.9	3069989	77.99551	65.65887	64.50668
185	2015/09/16	14:56:20	64.5	2819373	78.06465	64.91598	64.008
186	2015/09/16	14:56:25	65.4	3493514	78.38793	65.96295	64.83136
187	2015/09/16	14:56:30	65.6	3668813	78.83763	66.09921	65.18893
188	2015/09/16	14:56:35	64.4	2751062	77.40466	65.2225	63.94806
189	2015/09/16	14:56:40	65.5	3524861	79.49493	65.92074	64.65369
190	2015/09/16	14:56:45	65.4	3445843	80.70742	65.59314	65.17072
191	2015/09/16	14:56:50	65.0	3133753	79.22923	65.5334	64.48317

Measurement 4 **Leq = 65.5**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
3	2015/09/16	15:47:39	75.8	38416489	87.1	73.7	72.0
4	2015/09/16	15:47:40	73.0	20141280	86.7	74.9	70.4
5	2015/09/16	15:47:45	67.6	5692802	85.6	70.4	67.6
6	2015/09/16	15:47:50	65.3	3386260	80.7	67.6	64.3
7	2015/09/16	15:47:55	66.3	4245143	81.5	66.6	64.5
8	2015/09/16	15:48:00	65.7	3694730	78.7	66.6	64.8
9	2015/09/16	15:48:05	69.1	8149334	82.7	69.9	64.9
10	2015/09/16	15:48:10	66.6	4572607	93.7	69.8	64.0
11	2015/09/16	15:48:15	64.3	2663218	83.3	65.0	63.3
12	2015/09/16	15:48:20	65.6	3605216	78.3	66.1	64.4
13	2015/09/16	15:48:25	64.7	2952649	78.5	65.9	63.7
14	2015/09/16	15:48:30	61.2	1330788	79.1	63.6	60.3
15	2015/09/16	15:48:35	59.9	984795.4	77.4	61.0	59.7
16	2015/09/16	15:48:40	63.9	2482900	77.7	65.5	60.2
17	2015/09/16	15:48:45	60.9	1238230	77.5	64.7	60.2
18	2015/09/16	15:48:50	59.7	935670.9	75.0	61.6	58.9
19	2015/09/16	15:48:55	58.7	740420.1	71.2	59.2	58.4
20	2015/09/16	15:49:00	58.9	784784.1	72.9	59.2	58.6
21	2015/09/16	15:49:05	60.0	1011009	73.0	60.5	58.7
22	2015/09/16	15:49:10	59.4	867686.6	72.0	60.5	59.0
23	2015/09/16	15:49:15	58.4	696596.6	71.5	59.4	58.1
24	2015/09/16	15:49:20	58.2	663768.3	71.4	58.8	57.8
25	2015/09/16	15:49:25	59.1	810225.6	72.6	59.7	58.5
26	2015/09/16	15:49:30	61.7	1479753	74.8	62.5	59.8
27	2015/09/16	15:49:35	62.5	1794799	77.0	63.2	62.1
28	2015/09/16	15:49:40	59.3	846594.9	71.8	62.3	58.7
29	2015/09/16	15:49:45	58.4	694362	71.2	58.7	58.1
30	2015/09/16	15:49:50	61.4	1372709	76.5	62.4	58.6
31	2015/09/16	15:49:55	60.6	1157184	74.9	61.6	59.7
32	2015/09/16	15:50:00	58.9	771995.6	72.5	62.0	57.9
33	2015/09/16	15:50:05	58.4	684050.2	72.3	58.7	58.0
34	2015/09/16	15:50:10	59.7	927322.9	73.8	60.6	58.6
35	2015/09/16	15:50:15	60.2	1050682	79.9	61.2	59.2
36	2015/09/16	15:50:20	57.2	526306.9	70.6	59.6	56.8
37	2015/09/16	15:50:25	56.7	471972.4	72.3	57.0	56.5
38	2015/09/16	15:50:30	60.6	1159191	77.2	62.8	57.1
39	2015/09/16	15:50:35	65.8	3843492	79.3	67.0	62.7
40	2015/09/16	15:50:40	72.8	18867854	87.9	74.1	67.0
41	2015/09/16	15:50:45	67.9	6213677	81.8	72.2	67.3
42	2015/09/16	15:50:50	72.3	16806660	87.1	74.1	67.2
43	2015/09/16	15:50:55	73.5	22279945	86.0	75.2	70.9
44	2015/09/16	15:51:00	66.3	4254363	79.2	70.8	65.9
45	2015/09/16	15:51:05	67.3	5325724	80.3	67.4	66.5
46	2015/09/16	15:51:10	65.3	3370420	79.5	67.0	64.7
47	2015/09/16	15:51:15	65.4	3466115	78.5	65.8	64.8
48	2015/09/16	15:51:20	64.0	2498069	77.4	65.3	63.6
49	2015/09/16	15:51:25	68.1	6429613	82.7	70.5	64.0
50	2015/09/16	15:51:30	67.9	6232875	81.9	69.9	66.3
51	2015/09/16	15:51:35	68.0	6262377	84.1	69.2	66.9
52	2015/09/16	15:51:40	66.3	4294491	82.0	67.0	65.9
53	2015/09/16	15:51:45	66.7	4727010	79.8	67.0	65.9
54	2015/09/16	15:51:50	65.2	3338475	79.7	67.2	62.6
55	2015/09/16	15:51:55	60.0	990138.3	75.0	62.6	59.2
56	2015/09/16	15:52:00	62.4	1751060	76.2	63.3	61.2
57	2015/09/16	15:52:05	63.0	2016833	76.9	63.8	61.8
58	2015/09/16	15:52:10	60.1	1017495	72.5	61.8	59.4
59	2015/09/16	15:52:15	58.7	738796.7	71.6	59.4	58.6
60	2015/09/16	15:52:20	57.7	594134.8	70.6	58.7	57.5
61	2015/09/16	15:52:25	57.4	553621.9	69.8	57.7	57.3
62	2015/09/16	15:52:30	58.8	755713.1	72.7	59.7	57.5
63	2015/09/16	15:52:35	60.5	1131661	74.5	61.5	59.7
64	2015/09/16	15:52:40	61.6	1429223	75.3	62.5	60.4
65	2015/09/16	15:52:45	58.6	728844.1	71.9	60.4	58.1
66	2015/09/16	15:52:50	57.7	588711.9	71.7	58.1	57.4
67	2015/09/16	15:52:55	57.8	606940.7	71.5	58.3	57.5
68	2015/09/16	15:53:00	58.2	667936.6	70.9	58.7	57.6
69	2015/09/16	15:53:05	58.3	676000.9	73.0	59.3	57.8
70	2015/09/16	15:53:10	57.7	592654.5	69.6	58.3	57.5
71	2015/09/16	15:53:15	59.7	938795.1	76.6	60.3	57.5
72	2015/09/16	15:53:20	59.1	811680.8	72.0	59.7	58.9
73	2015/09/16	15:53:25	59.5	886454.1	73.3	60.5	58.6
74	2015/09/16	15:53:30	59.8	957268.4	74.5	60.5	59.6
75	2015/09/16	15:53:35	59.8	964155.1	72.7	60.3	59.5
76	2015/09/16	15:53:40	69.1	8199206	86.7	74.1	59.4
77	2015/09/16	15:53:45	75.7	37208625	90.2	78.0	74.1
78	2015/09/16	15:53:50	70.0	9933868	86.3	74.8	69.2
79	2015/09/16	15:53:55	67.4	5445678	81.7	69.4	66.3
80	2015/09/16	15:54:00	66.9	4944421	81.6	67.7	66.2
81	2015/09/16	15:54:05	67.0	5011890	79.6	67.7	66.7
82	2015/09/16	15:54:10	67.1	5132993	80.2	67.8	66.3
83	2015/09/16	15:54:15	68.1	6450044	81.6	68.3	67.7
84	2015/09/16	15:54:20	65.5	3560478	78.2	68.1	65.1
85	2015/09/16	15:54:25	65.3	3393376	78.1	65.8	64.6
86	2015/09/16	15:54:30	67.9	6151271	80.7	68.0	65.8
87	2015/09/16	15:54:35	66.7	4671288	79.5	67.7	66.3
88	2015/09/16	15:54:40	66.0	3964092	78.5	66.3	65.6
89	2015/09/16	15:54:45	64.5	2805313	77.9	66.2	64.2
90	2015/09/16	15:54:50	66.5	4436415	80.5	67.4	64.6
91	2015/09/16	15:54:55	65.9	3907858	79.8	67.4	65.6
92	2015/09/16	15:55:00	62.9	1968242	77.6	65.6	61.4

93	2015/09/16	15:55:05	63.3	2139393	79.0	65.4	61.3
94	2015/09/16	15:55:10	61.9	1561801	77.2	65.4	59.9
95	2015/09/16	15:55:15	62.2	1671491	77.0	64.0	58.5
96	2015/09/16	15:55:20	62.3	1694770	80.1	63.7	61.1
97	2015/09/16	15:55:25	60.0	998746.5	74.6	61.1	59.4
98	2015/09/16	15:55:30	58.4	686375.8	71.4	59.4	57.8
99	2015/09/16	15:55:35	57.3	532488.2	71.5	58.8	56.8
100	2015/09/16	15:55:40	57.1	517579	70.4	57.6	56.6
101	2015/09/16	15:55:45	58.4	685175.9	71.2	59.1	57.4
102	2015/09/16	15:55:50	59.8	965385.5	73.9	60.7	59.1
103	2015/09/16	15:55:55	59.1	822154.8	71.9	59.6	58.5
104	2015/09/16	15:56:00	63.2	2074989	79.2	64.4	59.3
105	2015/09/16	15:56:05	61.8	1527953	77.8	62.9	61.5
106	2015/09/16	15:56:10	64.1	2582747	77.6	64.6	62.2
107	2015/09/16	15:56:15	62.1	1624854	77.5	64.5	60.9
108	2015/09/16	15:56:20	60.4	1097817	73.1	61.0	60.0
109	2015/09/16	15:56:25	59.2	838750.5	72.6	60.0	58.9
110	2015/09/16	15:56:30	58.3	678470.2	83.4	60.0	57.4
111	2015/09/16	15:56:35	58.6	724829.1	72.8	59.7	57.3
112	2015/09/16	15:56:40	60.1	1019565	73.4	61.1	59.2
113	2015/09/16	15:56:45	60.0	1009666	72.7	60.2	59.5
114	2015/09/16	15:56:50	60.7	1174034	73.8	60.9	59.8
115	2015/09/16	15:56:55	60.1	1013238	72.2	60.8	59.8
116	2015/09/16	15:57:00	61.0	1251814	73.9	61.9	60.0
117	2015/09/16	15:57:05	61.6	1436958	74.4	62.0	61.2
118	2015/09/16	15:57:10	64.7	2977892	78.0	65.7	62.0
119	2015/09/16	15:57:15	70.5	11335351	85.8	72.7	65.7
120	2015/09/16	15:57:20	68.6	7268424	81.1	72.4	68.5
121	2015/09/16	15:57:25	68.6	7187567	81.6	68.8	68.3
122	2015/09/16	15:57:30	70.3	10742247	84.8	71.5	68.1
123	2015/09/16	15:57:35	69.2	8341190	86.1	71.5	67.9
124	2015/09/16	15:57:40	70.5	11183464	86.7	71.9	68.7
125	2015/09/16	15:57:45	67.2	5282433	80.3	68.7	67.0
126	2015/09/16	15:57:50	66.8	4779322	79.9	67.3	66.5
127	2015/09/16	15:57:55	66.8	4837658	79.1	67.5	66.5
128	2015/09/16	15:58:00	66.7	4714653	80.5	66.9	66.4
129	2015/09/16	15:58:05	66.1	4032114	79.1	66.8	65.6
130	2015/09/16	15:58:10	65.5	3546277	78.9	66.0	65.2
131	2015/09/16	15:58:15	63.7	2363777	77.2	65.3	62.9
132	2015/09/16	15:58:20	61.9	1541410	74.9	63.0	61.4
133	2015/09/16	15:58:25	62.7	1871631	75.0	63.2	61.3
134	2015/09/16	15:58:30	62.7	1879311	76.0	63.3	61.9
135	2015/09/16	15:58:35	58.7	738958.3	72.0	61.8	57.5
136	2015/09/16	15:58:40	57.6	581453.9	72.4	58.2	57.0
137	2015/09/16	15:58:45	58.1	647326.9	72.4	58.7	57.5
138	2015/09/16	15:58:50	58.6	730783.3	71.9	59.9	57.7
139	2015/09/16	15:58:55	57.2	527620.1	70.9	58.0	57.0
140	2015/09/16	15:59:00	57.3	540287.8	70.0	57.6	56.9
141	2015/09/16	15:59:05	58.3	678302.7	71.4	58.6	57.3
142	2015/09/16	15:59:10	58.5	710125.6	71.1	58.7	58.1
143	2015/09/16	15:59:15	60.4	1095536	73.9	61.3	58.6
144	2015/09/16	15:59:20	62.4	1738175	75.3	62.7	61.2
145	2015/09/16	15:59:25	60.2	1039496	73.4	62.4	58.7
146	2015/09/16	15:59:30	57.3	532106.7	71.1	58.7	56.9
147	2015/09/16	15:59:35	57.1	516280.4	71.4	57.5	56.7
148	2015/09/16	15:59:40	58.2	661171.3	71.8	59.5	56.7
149	2015/09/16	15:59:45	61.4	1380607	74.7	61.9	59.5
150	2015/09/16	15:59:50	59.4	875345.5	73.1	61.2	59.0
151	2015/09/16	15:59:55	59.8	945852.1	72.9	60.5	59.0
152	2015/09/16	16:00:00	60.2	1044371	73.6	60.6	59.7
153	2015/09/16	16:00:05	63.3	2154582	77.5	64.6	60.4
154	2015/09/16	16:00:10	59.3	856162.4	75.6	63.9	58.3
155	2015/09/16	16:00:15	59.9	971324.2	75.3	61.6	58.0
156	2015/09/16	16:00:20	71.9	15466855	90.6	74.1	61.7
157	2015/09/16	16:00:25	65.8	3802838	79.2	69.5	64.9
158	2015/09/16	16:00:30	66.1	4077123	78.2	66.4	65.3
159	2015/09/16	16:00:35	67.0	4999948	82.9	67.8	66.1
160	2015/09/16	16:00:40	67.5	5637756	80.9	68.8	66.5
161	2015/09/16	16:00:45	67.4	5440304	81.2	68.4	66.7
162	2015/09/16	16:00:50	72.1	16281583	87.1	73.7	66.8
163	2015/09/16	16:00:55	65.6	3617861	78.9	70.9	64.3
164	2015/09/16	16:01:00	66.0	3977353	79.4	67.0	64.2
165	2015/09/16	16:01:05	66.0	3940299	79.9	66.7	65.7
166	2015/09/16	16:01:10	65.9	3909382	86.7	66.3	65.5
167	2015/09/16	16:01:15	68.1	6422049	81.5	68.5	65.9
168	2015/09/16	16:01:20	69.4	8782389	83.0	70.1	68.1
169	2015/09/16	16:01:25	67.1	5117911	80.4	68.8	66.3
170	2015/09/16	16:01:30	65.2	3339695	78.0	66.3	64.9
171	2015/09/16	16:01:35	62.9	1949737	77.7	65.3	61.3
172	2015/09/16	16:01:40	59.3	860143.8	74.2	61.3	58.6
173	2015/09/16	16:01:45	59.4	870542.5	71.9	59.6	58.8
174	2015/09/16	16:01:50	62.9	1947126	78.0	66.0	59.1
175	2015/09/16	16:01:55	66.5	4471382	80.5	68.0	64.7
176	2015/09/16	16:02:00	63.2	2108981	79.3	66.8	60.3
177	2015/09/16	16:02:05	58.8	765262.5	72.2	60.3	58.2
178	2015/09/16	16:02:10	60.3	1064655	73.5	61.2	58.6
179	2015/09/16	16:02:15	59.1	813205.1	72.5	60.0	58.8
180	2015/09/16	16:02:20	58.3	676826.2	70.6	59.4	58.2
181	2015/09/16	16:02:25	61.3	1345930	86.1	62.1	58.3
182	2015/09/16	16:02:30	60.8	1211264	76.8	62.2	60.2
183	2015/09/16	16:02:35	62.6	1833321	80.3	65.0	60.6
184	2015/09/16	16:02:40	67.2	5194970	78.60943	65.48159	65.03259

Measurement 5 **Leq = 73.0**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
2	2015/09/16	16:36:30	69.8	9642923	84.9	73.4	68.7
3	2015/09/16	16:36:35	68.7	7397746	84.3	69.1	68.4
4	2015/09/16	16:36:40	70.3	10655583	83.0	71.2	69.0
5	2015/09/16	16:36:45	67.9	6138770	82.2	69.1	67.3
6	2015/09/16	16:36:50	69.7	9285341	84.8	70.8	67.1
7	2015/09/16	16:36:55	69.5	8859326	82.4	70.4	68.9
8	2015/09/16	16:37:00	70.8	12037954	91.8	71.2	70.0
9	2015/09/16	16:37:05	71.2	13151539	84.6	71.5	70.6
10	2015/09/16	16:37:10	70.9	12337256	84.2	71.7	70.2
11	2015/09/16	16:37:15	70.8	12009945	84.7	71.3	70.4
12	2015/09/16	16:37:20	69.5	8904309	84.2	71.0	68.8
13	2015/09/16	16:37:25	69.1	8047529	81.4	69.4	68.4
14	2015/09/16	16:37:30	70.7	11697563	87.0	71.7	69.1
15	2015/09/16	16:37:35	71.9	15578303	84.6	72.7	71.1
16	2015/09/16	16:37:40	70.9	12278337	83.5	71.5	70.4
17	2015/09/16	16:37:45	70.5	11301728	88.3	71.1	70.0
18	2015/09/16	16:37:50	71.2	13042895	83.5	71.7	70.8
19	2015/09/16	16:37:55	70.8	11988275	83.9	71.3	70.3
20	2015/09/16	16:38:00	70.4	10990164	83.8	71.5	69.8
21	2015/09/16	16:38:05	70.6	11518240	84.7	71.5	69.5
22	2015/09/16	16:38:10	71.1	13020368	83.8	72.1	70.3
23	2015/09/16	16:38:15	70.6	11510796	84.3	71.0	70.2
24	2015/09/16	16:38:20	72.5	17579625	85.6	73.3	70.6
25	2015/09/16	16:38:25	72.6	18213249	86.0	73.3	72.1
26	2015/09/16	16:38:30	81.1	1.29E+08	107.6	84.5	73.3
27	2015/09/16	16:38:35	74.2	26017688	87.5	77.7	73.9
28	2015/09/16	16:38:40	72.3	16987969	86.7	75.4	71.5
29	2015/09/16	16:38:45	71.4	13838787	86.1	71.8	71.1
30	2015/09/16	16:38:50	72.3	16821577	84.9	72.8	71.0
31	2015/09/16	16:38:55	72.2	16417119	85.6	72.6	71.9
32	2015/09/16	16:39:00	70.9	12350136	85.0	72.2	70.7
33	2015/09/16	16:39:05	72.1	16117720	85.2	72.4	70.8
34	2015/09/16	16:39:10	71.6	14587167	84.2	72.0	71.3
35	2015/09/16	16:39:15	70.9	12288566	84.0	71.3	70.8
36	2015/09/16	16:39:20	70.4	10993988	83.8	70.9	70.1
37	2015/09/16	16:39:25	71.6	14468543	94.7	72.2	70.6
38	2015/09/16	16:39:30	72.8	19021009	86.4	73.4	72.1
39	2015/09/16	16:39:35	75.2	33346885	92.6	77.8	72.8
40	2015/09/16	16:39:40	75.4	34406655	92.0	78.7	74.0
41	2015/09/16	16:39:45	74.6	28609845	90.1	75.8	73.4
42	2015/09/16	16:39:50	72.5	17895770	87.0	73.7	71.2
43	2015/09/16	16:39:55	71.1	12740768	83.9	71.7	70.2
44	2015/09/16	16:40:00	72.8	18978886	90.5	73.0	71.6
45	2015/09/16	16:40:05	72.1	16083355	84.7	72.9	71.6
46	2015/09/16	16:40:10	72.2	16614147	86.6	72.6	71.5
47	2015/09/16	16:40:15	72.4	17181462	85.6	73.0	71.3
48	2015/09/16	16:40:20	71.2	13159004	85.0	72.9	70.9
49	2015/09/16	16:40:25	71.3	13402783	84.8	71.8	70.7
50	2015/09/16	16:40:30	71.6	14301933	83.9	71.7	70.9
51	2015/09/16	16:40:35	70.9	12411863	84.2	71.6	70.8
52	2015/09/16	16:40:40	71.3	13398616	84.5	71.7	70.7
53	2015/09/16	16:40:45	71.6	14430442	84.7	71.8	71.2
54	2015/09/16	16:40:50	72.1	16270861	86.7	73.1	71.3
55	2015/09/16	16:40:55	75.3	33513495	90.0	77.0	73.0
56	2015/09/16	16:41:00	75.5	35280021	92.0	77.7	73.6
57	2015/09/16	16:41:05	74.3	26831664	88.5	75.1	72.4
58	2015/09/16	16:41:10	72.1	16035169	87.2	75.2	71.4
59	2015/09/16	16:41:15	71.5	14257632	84.3	71.9	71.1
60	2015/09/16	16:41:20	72.7	18511368	85.5	73.5	71.7
61	2015/09/16	16:41:25	71.4	13931919	84.5	73.0	71.1
62	2015/09/16	16:41:30	72.5	17925472	85.6	73.1	71.2
63	2015/09/16	16:41:35	71.2	13174710	83.4	72.7	71.0
64	2015/09/16	16:41:40	71.4	13958965	83.5	71.6	71.0
65	2015/09/16	16:41:45	72.9	19604274	86.2	73.8	71.3
66	2015/09/16	16:41:50	73.7	23454300	86.9	74.4	73.2
67	2015/09/16	16:41:55	73.3	21225044	86.5	73.4	73.1
68	2015/09/16	16:42:00	73.3	21442978	86.4	73.9	72.9
69	2015/09/16	16:42:05	73.4	21698342	86.8	73.7	72.9
70	2015/09/16	16:42:10	73.5	22577024	86.2	73.9	73.2
71	2015/09/16	16:42:15	73.4	21869170	86.4	74.1	72.5
72	2015/09/16	16:42:20	72.6	18144619	86.4	73.3	72.3
73	2015/09/16	16:42:25	72.0	15950014	85.5	72.7	71.6
74	2015/09/16	16:42:30	73.1	20396436	88.1	74.4	71.6
75	2015/09/16	16:42:35	73.2	20934573	86.4	74.5	72.9
76	2015/09/16	16:42:40	73.7	23658520	91.1	75.3	72.4
77	2015/09/16	16:42:45	72.4	17308032	85.5	73.1	71.7
78	2015/09/16	16:42:50	71.2	13299210	84.2	72.0	71.0
79	2015/09/16	16:42:55	71.7	14894852	86.2	72.0	71.3
80	2015/09/16	16:43:00	73.9	24604821	90.0	75.8	71.0
81	2015/09/16	16:43:05	77.5	56451094	95.9	79.0	75.1
82	2015/09/16	16:43:10	71.9	15657072	85.3	75.9	71.6
83	2015/09/16	16:43:15	72.8	18981754	86.5	73.4	72.0
84	2015/09/16	16:43:20	71.5	14166379	85.5	72.4	71.3
85	2015/09/16	16:43:25	71.9	15665023	84.5	72.4	71.5
86	2015/09/16	16:43:30	71.1	12860558	85.2	72.4	70.7
87	2015/09/16	16:43:35	70.1	10243178	83.9	71.0	69.6
88	2015/09/16	16:43:40	71.8	15019372	86.2	72.6	69.6
89	2015/09/16	16:43:45	70.2	10549102	83.0	71.7	69.8
90	2015/09/16	16:43:50	69.9	9675604	82.0	70.5	69.4
91	2015/09/16	16:43:55	69.9	9801122	82.5	70.3	69.4

92	2015/09/16	16:44:00	71.3	13395768	85.2	71.8	70.2
93	2015/09/16	16:44:05	72.9	19316055	85.6	73.4	71.5
94	2015/09/16	16:44:10	73.2	21089494	86.8	73.8	72.6
95	2015/09/16	16:44:15	74.5	28081428	87.7	75.1	73.6
96	2015/09/16	16:44:20	74.4	27242266	88.9	75.2	73.9
97	2015/09/16	16:44:25	74.2	26417226	87.5	75.3	73.1
98	2015/09/16	16:44:30	74.3	26612580	88.7	74.9	72.9
99	2015/09/16	16:44:35	73.4	21807098	86.4	74.4	73.1
100	2015/09/16	16:44:40	72.9	19421227	86.1	73.3	72.6
101	2015/09/16	16:44:45	71.7	14701519	88.1	73.1	71.1
102	2015/09/16	16:44:50	71.3	13515802	83.9	71.9	70.4
103	2015/09/16	16:44:55	72.1	16047061	85.9	72.5	71.7
104	2015/09/16	16:45:00	72.7	18793357	87.0	73.2	71.8
105	2015/09/16	16:45:05	72.3	16966346	86.2	73.2	71.8
106	2015/09/16	16:45:10	73.1	20525440	85.7	73.2	72.3
107	2015/09/16	16:45:15	71.9	15632913	85.7	72.9	71.8
108	2015/09/16	16:45:20	72.3	17135103	86.7	72.8	71.6
109	2015/09/16	16:45:25	72.3	16910018	85.1	73.2	71.5
110	2015/09/16	16:45:30	71.9	15448932	85.0	72.3	71.5
111	2015/09/16	16:45:35	72.5	17781576	85.8	73.6	71.2
112	2015/09/16	16:45:40	72.5	17644754	85.5	73.6	71.8
113	2015/09/16	16:45:45	73.6	22756889	86.9	74.1	71.7
114	2015/09/16	16:45:50	72.9	19638123	86.2	74.0	72.5
115	2015/09/16	16:45:55	72.4	17241450	85.5	72.8	71.9
116	2015/09/16	16:46:00	73.4	21664177	86.3	74.3	72.4
117	2015/09/16	16:46:05	72.5	17855261	85.4	72.9	72.1
118	2015/09/16	16:46:10	71.8	14990481	84.9	72.4	71.6
119	2015/09/16	16:46:15	72.7	18595883	85.5	73.4	71.9
120	2015/09/16	16:46:20	73.8	23952974	89.3	74.4	72.9
121	2015/09/16	16:46:25	72.6	18267210	86.3	73.1	72.4
122	2015/09/16	16:46:30	72.9	19601003	86.9	74.0	71.8
123	2015/09/16	16:46:35	72.3	16986476	85.3	73.2	71.3
124	2015/09/16	16:46:40	72.5	17938577	85.5	73.3	71.9
125	2015/09/16	16:46:45	73.1	20408551	86.3	73.9	71.8
126	2015/09/16	16:46:50	74.7	29255524	87.7	75.0	73.9
127	2015/09/16	16:46:55	74.8	30359543	87.5	75.1	74.7
128	2015/09/16	16:47:00	74.4	27476717	86.8	74.8	73.9
129	2015/09/16	16:47:05	74.4	27468899	88.1	74.8	74.1
130	2015/09/16	16:47:10	74.6	28831136	89.6	75.2	73.9
131	2015/09/16	16:47:15	74.6	28841470	87.0	75.1	73.7
132	2015/09/16	16:47:20	74.6	28863823	87.6	75.0	74.2
133	2015/09/16	16:47:25	73.6	23104525	86.8	74.8	72.8
134	2015/09/16	16:47:30	74.9	31128319	89.0	75.6	72.8
135	2015/09/16	16:47:35	73.8	23894723	87.6	74.5	72.9
136	2015/09/16	16:47:40	73.5	22502108	86.1	74.4	73.2
137	2015/09/16	16:47:45	73.1	20623245	86.4	73.9	72.5
138	2015/09/16	16:47:50	73.1	20579960	89.8	73.9	72.1
139	2015/09/16	16:47:55	73.6	23063405	86.3	74.0	73.4
140	2015/09/16	16:48:00	73.1	20433340	87.3	73.5	72.9
141	2015/09/16	16:48:05	73.4	21947723	86.3	73.7	72.7
142	2015/09/16	16:48:10	72.8	18877668	86.1	73.8	72.2
143	2015/09/16	16:48:15	73.8	23868250	87.2	74.2	73.1
144	2015/09/16	16:48:20	73.4	22048392	87.4	74.2	73.0
145	2015/09/16	16:48:25	75.1	32522231	89.1	75.8	73.6
146	2015/09/16	16:48:30	74.5	28468863	88.8	75.1	74.3
147	2015/09/16	16:48:35	74.1	25518358	88.5	74.5	74.0
148	2015/09/16	16:48:40	74.4	27655361	88.2	75.3	73.3
149	2015/09/16	16:48:45	74.1	25499895	86.6	74.6	73.6
150	2015/09/16	16:48:50	73.2	21020918	86.4	73.8	72.6
151	2015/09/16	16:48:55	73.8	23728280	87.8	74.5	72.4
152	2015/09/16	16:49:00	73.4	21839416	87.6	74.2	72.8
153	2015/09/16	16:49:05	74.2	26541333	87.4	74.8	73.7
154	2015/09/16	16:49:10	74.9	31063913	89.0	75.6	73.9
155	2015/09/16	16:49:15	74.0	25009403	87.9	74.7	73.7
156	2015/09/16	16:49:20	74.5	27869612	88.0	74.7	73.7
157	2015/09/16	16:49:25	74.3	26935706	87.9	74.9	73.7
158	2015/09/16	16:49:30	73.7	23186456	87.3	74.3	73.2
159	2015/09/16	16:49:35	73.0	20099713	87.3	73.5	72.7
160	2015/09/16	16:49:40	73.8	24063559	86.4	74.4	73.0
161	2015/09/16	16:49:45	74.1	25546481	87.2	74.5	73.8
162	2015/09/16	16:49:50	73.1	20402636	85.6	74.0	72.5
163	2015/09/16	16:49:55	73.6	22772685	86.5	73.9	72.6
164	2015/09/16	16:50:00	73.0	20106105	89.9	73.9	72.9
165	2015/09/16	16:50:05	74.0	24940827	86.5	74.5	73.0
166	2015/09/16	16:50:10	73.2	20676680	86.3	73.4	73.0
167	2015/09/16	16:50:15	72.8	18973019	85.4	73.2	72.5
168	2015/09/16	16:50:20	73.1	20443213	85.7	73.5	72.6
169	2015/09/16	16:50:25	73.5	22497049	87.7	74.1	73.0
170	2015/09/16	16:50:30	73.3	21485134	85.8	73.7	73.0
171	2015/09/16	16:50:35	74.1	25468109	91.6	74.4	73.2
172	2015/09/16	16:50:40	74.6	28980988	87.9	75.3	73.9
173	2015/09/16	16:50:45	73.2	20949546	86.6	74.2	72.5
174	2015/09/16	16:50:50	73.3	21252990	85.9	74.0	72.6
175	2015/09/16	16:50:55	73.2	20763894	89.1	73.7	72.7
176	2015/09/16	16:51:00	73.1	20435924	90.9	73.3	72.7
177	2015/09/16	16:51:05	73.0	20115891	86.4	73.4	72.8
178	2015/09/16	16:51:10	73.3	21271816	92.7	73.9	72.6
179	2015/09/16	16:51:15	72.6	18302736	85.9	73.9	72.5
180	2015/09/16	16:51:20	74.4	27385255	88.2	75.7	72.6
181	2015/09/16	16:51:25	73.8	23823804	88.2	75.8	73.0
182	2015/09/16	16:51:30	73.8	23782908	85.7	73.5	73.3

Measurement 6 **Leq = 76.4**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
2	2015/09/16	17:27:58	76.6	45291562	88.8	77.0	76.5
3	2015/09/16	17:28:00	77.3	53504336	91.1	78.2	75.9
4	2015/09/16	17:28:05	78.5	70667962	91.4	78.9	78.1
5	2015/09/16	17:28:10	77.4	54866037	89.7	78.4	77.2
6	2015/09/16	17:28:15	77.3	53748898	90.9	78.0	76.5
7	2015/09/16	17:28:20	78.5	70499079	92.9	78.9	77.9
8	2015/09/16	17:28:25	77.7	58945077	90.7	78.1	77.4
9	2015/09/16	17:28:30	77.6	57753914	90.2	78.0	77.2
10	2015/09/16	17:28:35	76.3	42177726	89.4	77.2	75.8
11	2015/09/16	17:28:40	76.6	46118543	90.0	77.0	76.3
12	2015/09/16	17:28:45	75.7	37495372	88.5	76.4	75.2
13	2015/09/16	17:28:50	76.8	47951664	91.0	77.5	76.0
14	2015/09/16	17:28:55	77.8	60252931	90.9	78.5	77.2
15	2015/09/16	17:29:00	75.2	33272335	89.3	77.4	74.5
16	2015/09/16	17:29:05	76.4	44018687	89.4	76.8	75.6
17	2015/09/16	17:29:10	77.2	52309875	90.6	77.2	76.2
18	2015/09/16	17:29:15	76.7	47032451	91.5	77.3	76.2
19	2015/09/16	17:29:20	77.0	50663226	90.9	77.6	76.2
20	2015/09/16	17:29:25	76.7	47230005	89.7	77.6	76.5
21	2015/09/16	17:29:30	76.8	47466396	91.4	77.1	76.3
22	2015/09/16	17:29:35	76.6	45451851	90.1	77.2	76.0
23	2015/09/16	17:29:40	76.7	47013204	90.0	77.3	76.4
24	2015/09/16	17:29:45	77.0	50471258	88.9	77.4	76.4
25	2015/09/16	17:29:50	75.9	39265274	90.3	77.2	75.1
26	2015/09/16	17:29:55	74.9	30942132	87.2	75.4	74.1
27	2015/09/16	17:30:00	75.3	33515556	90.7	75.8	74.8
28	2015/09/16	17:30:05	75.9	38529223	89.6	76.3	75.2
29	2015/09/16	17:30:10	78.0	62685296	91.6	78.6	76.3
30	2015/09/16	17:30:15	76.9	48901984	89.9	78.3	76.3
31	2015/09/16	17:30:20	75.6	35902309	89.6	76.3	75.4
32	2015/09/16	17:30:25	76.4	43525406	89.3	76.7	75.6
33	2015/09/16	17:30:30	76.1	40403252	88.6	76.7	75.6
34	2015/09/16	17:30:35	76.7	46802742	90.4	77.0	76.3
35	2015/09/16	17:30:40	77.5	55726199	90.1	78.0	76.6
36	2015/09/16	17:30:45	77.1	51840847	90.6	77.8	76.7
37	2015/09/16	17:30:50	75.9	38645818	88.6	76.8	75.4
38	2015/09/16	17:30:55	76.1	40505874	90.0	76.5	75.8
39	2015/09/16	17:31:00	74.0	25230444	88.2	76.1	73.1
40	2015/09/16	17:31:05	74.3	26743524	86.8	74.7	73.1
41	2015/09/16	17:31:10	75.6	36444225	89.0	76.0	74.6
42	2015/09/16	17:31:15	75.6	35924958	89.4	76.4	74.6
43	2015/09/16	17:31:20	76.8	48213091	89.9	77.3	76.1
44	2015/09/16	17:31:25	75.2	33169621	88.7	76.7	74.6
45	2015/09/16	17:31:30	75.7	36984575	89.2	76.3	74.5
46	2015/09/16	17:31:35	77.2	52721704	89.7	77.5	76.3
47	2015/09/16	17:31:40	77.2	52743937	89.6	77.7	76.6
48	2015/09/16	17:31:45	75.6	36571725	88.4	76.6	75.4
49	2015/09/16	17:31:50	75.7	37419304	88.5	75.9	75.3
50	2015/09/16	17:31:55	76.9	48735863	89.5	77.2	75.8
51	2015/09/16	17:32:00	75.4	34614723	89.5	76.8	75.1
52	2015/09/16	17:32:05	75.5	35148688	89.9	75.9	74.8
53	2015/09/16	17:32:10	76.4	43956250	90.1	77.2	75.1
54	2015/09/16	17:32:15	76.8	48176431	90.2	77.4	76.4
55	2015/09/16	17:32:20	75.4	34808331	88.3	76.5	75.2
56	2015/09/16	17:32:25	76.2	41553327	89.8	76.5	75.2
57	2015/09/16	17:32:30	76.4	43575977	91.7	77.0	75.8
58	2015/09/16	17:32:35	76.2	41221786	88.7	76.5	75.7
59	2015/09/16	17:32:40	75.9	38774753	88.9	76.8	75.2
60	2015/09/16	17:32:45	76.2	41324962	89.9	76.6	75.4
61	2015/09/16	17:32:50	76.8	48124748	90.6	77.0	76.6
62	2015/09/16	17:32:55	77.1	50746065	90.2	77.8	76.3
63	2015/09/16	17:33:00	75.9	38805145	89.6	76.4	75.3
64	2015/09/16	17:33:05	76.5	44389175	89.3	76.9	75.9
65	2015/09/16	17:33:10	75.6	36347679	88.9	76.4	75.4
66	2015/09/16	17:33:15	77.0	50525195	90.0	77.5	75.6
67	2015/09/16	17:33:20	77.1	50726100	90.4	77.6	76.8
68	2015/09/16	17:33:25	77.2	52300410	90.9	77.7	76.5
69	2015/09/16	17:33:30	76.4	44027503	88.8	77.2	76.1
70	2015/09/16	17:33:35	76.3	42322608	91.2	76.6	75.7
71	2015/09/16	17:33:40	76.6	45622484	90.9	77.1	76.4
72	2015/09/16	17:33:45	76.0	40169844	88.7	76.4	75.8
73	2015/09/16	17:33:50	76.2	41217731	90.6	76.8	75.7
74	2015/09/16	17:33:55	76.3	43093788	89.1	77.3	75.7
75	2015/09/16	17:34:00	74.5	28303206	89.5	75.9	74.1
76	2015/09/16	17:34:05	74.4	27310932	87.6	74.6	73.9
77	2015/09/16	17:34:10	75.6	36591711	90.2	76.2	74.3
78	2015/09/16	17:34:15	76.0	39368810	89.0	76.5	75.3
79	2015/09/16	17:34:20	76.6	45540647	89.9	77.0	76.2
80	2015/09/16	17:34:25	77.0	49656692	90.9	77.4	76.5
81	2015/09/16	17:34:30	76.4	43893052	90.7	77.0	76.1
82	2015/09/16	17:34:35	76.5	45078195	88.9	77.0	76.2
83	2015/09/16	17:34:40	76.5	44280526	89.5	77.2	75.7
84	2015/09/16	17:34:45	75.8	37611745	89.7	76.0	75.4
85	2015/09/16	17:34:50	75.7	36973401	88.8	76.3	75.2
86	2015/09/16	17:34:55	75.4	34756271	87.8	75.8	75.2
87	2015/09/16	17:35:00	76.3	42903134	88.8	77.0	75.5
88	2015/09/16	17:35:05	77.9	61293949	90.6	78.0	77.0
89	2015/09/16	17:35:10	77.5	56183280	89.6	78.1	77.0
90	2015/09/16	17:35:15	77.3	53782240	90.3	78.1	76.4
91	2015/09/16	17:35:20	76.6	45204364	90.6	77.6	76.1

92	2015/09/16	17:35:25	76.3	42734488	89.8	76.8	75.7
93	2015/09/16	17:35:30	76.1	40598128	91.0	76.5	75.5
94	2015/09/16	17:35:35	77.0	50280989	89.7	77.3	76.5
95	2015/09/16	17:35:40	77.2	51912478	89.8	77.4	76.8
96	2015/09/16	17:35:45	76.6	46153556	89.5	77.4	76.2
97	2015/09/16	17:35:50	75.7	36872862	88.1	76.4	75.2
98	2015/09/16	17:35:55	75.9	38799965	89.6	76.7	75.3
99	2015/09/16	17:36:00	75.3	33561453	88.8	75.8	75.0
100	2015/09/16	17:36:05	75.1	32563564	88.7	76.4	74.1
101	2015/09/16	17:36:10	78.4	68410126	91.5	79.2	76.4
102	2015/09/16	17:36:15	77.6	57902436	92.3	79.8	76.3
103	2015/09/16	17:36:20	77.2	52556917	91.0	77.9	76.0
104	2015/09/16	17:36:25	78.4	69164772	91.5	78.7	77.9
105	2015/09/16	17:36:30	77.2	52610403	90.4	78.4	76.1
106	2015/09/16	17:36:35	76.8	47887433	91.0	77.1	76.2
107	2015/09/16	17:36:40	76.3	42416690	89.0	76.7	76.1
108	2015/09/16	17:36:45	76.2	42031863	89.4	76.4	75.9
109	2015/09/16	17:36:50	76.3	42665027	90.4	76.9	75.5
110	2015/09/16	17:36:55	76.2	41895778	89.5	77.2	75.5
111	2015/09/16	17:37:00	74.9	31018598	87.3	75.7	74.5
112	2015/09/16	17:37:05	73.6	23128851	86.3	74.6	73.1
113	2015/09/16	17:37:10	75.7	36731211	88.4	76.0	74.1
114	2015/09/16	17:37:15	75.4	34811755	88.3	75.9	75.1
115	2015/09/16	17:37:20	76.8	48016824	90.1	77.3	75.3
116	2015/09/16	17:37:25	77.3	53143684	91.1	77.5	76.9
117	2015/09/16	17:37:30	77.0	50403829	90.3	77.5	76.7
118	2015/09/16	17:37:35	77.4	54723957	90.4	77.7	77.0
119	2015/09/16	17:37:40	75.6	36498685	89.3	77.3	75.0
120	2015/09/16	17:37:45	76.3	42243870	88.7	76.7	75.0
121	2015/09/16	17:37:50	76.1	40963639	90.4	76.6	75.9
122	2015/09/16	17:37:55	76.7	47273584	90.3	77.2	75.9
123	2015/09/16	17:38:00	76.9	48820354	90.0	77.2	76.4
124	2015/09/16	17:38:05	75.9	39284938	90.6	77.1	75.3
125	2015/09/16	17:38:10	76.1	41008712	89.9	77.3	74.7
126	2015/09/16	17:38:15	76.1	41112438	89.6	77.2	75.6
127	2015/09/16	17:38:20	76.3	42587523	91.0	77.0	75.4
128	2015/09/16	17:38:25	76.6	45193724	89.7	77.6	75.4
129	2015/09/16	17:38:30	74.9	30894932	88.5	75.5	74.7
130	2015/09/16	17:38:35	75.1	32325037	88.1	75.7	74.5
131	2015/09/16	17:38:40	75.2	32948700	88.0	75.8	74.7
132	2015/09/16	17:38:45	76.9	49246046	89.8	77.2	75.3
133	2015/09/16	17:38:50	77.2	52594970	89.4	77.6	76.8
134	2015/09/16	17:38:55	76.4	43855825	89.8	76.8	76.2
135	2015/09/16	17:39:00	75.2	33040571	88.9	76.2	74.7
136	2015/09/16	17:39:05	75.8	38401105	88.6	76.1	75.3
137	2015/09/16	17:39:10	75.6	36506188	89.1	76.1	75.1
138	2015/09/16	17:39:15	75.0	31871403	89.8	75.6	74.5
139	2015/09/16	17:39:20	75.2	32921738	90.2	75.6	75.0
140	2015/09/16	17:39:25	76.8	47382251	89.3	77.3	74.9
141	2015/09/16	17:39:30	77.2	53040622	90.3	77.6	77.0
142	2015/09/16	17:39:35	76.8	47689727	90.1	77.3	76.5
143	2015/09/16	17:39:40	76.2	41727426	90.0	76.7	75.9
144	2015/09/16	17:39:45	75.5	35296139	88.9	76.1	75.0
145	2015/09/16	17:39:50	76.5	44387849	93.0	77.3	75.5
146	2015/09/16	17:39:55	77.1	51513485	90.7	77.4	76.8
147	2015/09/16	17:40:00	76.3	42255597	89.2	77.4	75.7
148	2015/09/16	17:40:05	75.5	35155975	88.9	76.1	74.7
149	2015/09/16	17:40:10	75.5	35329018	90.0	75.8	74.9
150	2015/09/16	17:40:15	76.4	43438555	89.6	76.6	75.6
151	2015/09/16	17:40:20	75.9	39256722	88.7	76.6	75.4
152	2015/09/16	17:40:25	76.0	39602502	88.5	76.2	75.6
153	2015/09/16	17:40:30	75.4	35047261	88.0	76.0	75.1
154	2015/09/16	17:40:35	74.7	29193609	88.0	75.5	73.9
155	2015/09/16	17:40:40	75.2	33068153	88.3	75.9	74.1
156	2015/09/16	17:40:45	75.7	36846314	88.6	76.0	75.1
157	2015/09/16	17:40:50	76.8	48123987	89.9	77.3	76.0
158	2015/09/16	17:40:55	76.3	42649140	90.4	77.4	75.5
159	2015/09/16	17:41:00	75.9	38637537	89.7	76.3	75.3
160	2015/09/16	17:41:05	75.6	36600133	88.7	76.1	75.1
161	2015/09/16	17:41:10	76.4	43762548	89.4	76.8	75.9
162	2015/09/16	17:41:15	78.0	63193351	91.4	78.6	76.7
163	2015/09/16	17:41:20	77.0	50276307	90.5	78.1	76.6
164	2015/09/16	17:41:25	76.8	47530814	90.3	77.2	76.6
165	2015/09/16	17:41:30	76.5	44788502	90.0	77.3	75.9
166	2015/09/16	17:41:35	75.9	38686234	89.3	76.1	75.5
167	2015/09/16	17:41:40	75.3	33773368	88.8	76.0	74.5
168	2015/09/16	17:41:45	75.8	38065614	89.7	76.7	74.9
169	2015/09/16	17:41:50	73.7	23176560	87.5	74.9	73.4
170	2015/09/16	17:41:55	75.3	33753854	88.4	75.5	73.5
171	2015/09/16	17:42:00	75.3	33508315	88.3	75.7	74.8
172	2015/09/16	17:42:05	76.0	39740004	89.2	76.5	75.3
173	2015/09/16	17:42:10	75.4	34583239	93.4	76.2	74.5
174	2015/09/16	17:42:15	76.3	42398140	89.8	76.6	76.0
175	2015/09/16	17:42:20	75.1	32066280	88.0	76.1	74.3
176	2015/09/16	17:42:25	75.9	38478628	90.3	76.1	75.3
177	2015/09/16	17:42:30	76.2	41506999	88.1	76.5	75.7
178	2015/09/16	17:42:35	76.6	46066397	89.7	76.9	76.4
179	2015/09/16	17:42:40	76.7	46498698	90.6	76.9	76.3
180	2015/09/16	17:42:45	77.4	55088848	90.5	77.8	76.8
181	2015/09/16	17:42:50	76.3	42238453	89.3	77.1	75.6
182	2015/09/16	17:42:55	76.9	48427598	89.6	77.5	76.4

Measurement 7 **Leq = 56.2**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
2	2015/09/17	09:22:19	53.1	206489.7	63.5	53.5	53.4
3	2015/09/17	09:22:20	53.2	208943	75.4	53.7	52.8
4	2015/09/17	09:22:25	55.8	380264.5	70.6	57.1	53.0
5	2015/09/17	09:22:30	61.1	1302674	78.3	62.6	57.0
6	2015/09/17	09:22:35	58.1	644924	73.1	62.6	56.9
7	2015/09/17	09:22:40	59.3	857896.1	78.7	60.3	56.9
8	2015/09/17	09:22:45	59.8	953435.1	80.8	60.5	59.4
9	2015/09/17	09:22:50	58.7	743281.4	75.3	60.4	58.1
10	2015/09/17	09:22:55	59.0	797189.8	77.2	59.8	57.8
11	2015/09/17	09:23:00	55.5	352841.4	69.7	57.8	55.1
12	2015/09/17	09:23:05	55.1	321736.3	68.1	55.5	54.7
13	2015/09/17	09:23:10	55.5	354494.4	68.0	55.9	54.8
14	2015/09/17	09:23:15	56.0	394760.2	70.6	57.1	54.5
15	2015/09/17	09:23:20	61.9	1551839	84.8	63.2	57.1
16	2015/09/17	09:23:25	53.7	236706.8	66.8	60.4	53.3
17	2015/09/17	09:23:30	53.1	201861.8	66.4	54.0	52.2
18	2015/09/17	09:23:35	55.9	391946	70.3	57.0	53.4
19	2015/09/17	09:23:40	57.2	527909.8	76.0	58.9	55.3
20	2015/09/17	09:23:45	60.6	1149732	77.7	61.3	58.9
21	2015/09/17	09:23:50	63.5	2241852	80.1	65.3	59.5
22	2015/09/17	09:23:55	55.6	364711.9	70.4	59.5	55.3
23	2015/09/17	09:24:00	51.7	147411.9	65.1	56.0	50.6
24	2015/09/17	09:24:05	50.4	109125.9	66.7	51.3	50.0
25	2015/09/17	09:24:10	52.0	158728	72.4	54.0	49.9
26	2015/09/17	09:24:15	50.7	116468	63.8	51.2	50.4
27	2015/09/17	09:24:20	51.4	139502.5	63.6	51.8	50.6
28	2015/09/17	09:24:25	53.9	246565.1	69.7	54.7	51.7
29	2015/09/17	09:24:30	54.0	253276.3	68.6	55.4	53.5
30	2015/09/17	09:24:35	52.0	160041.1	70.7	53.6	51.7
31	2015/09/17	09:24:40	56.2	421654.3	78.8	57.0	51.9
32	2015/09/17	09:24:45	51.7	148540.4	65.6	55.7	51.2
33	2015/09/17	09:24:50	50.8	119666.2	62.7	51.3	50.5
34	2015/09/17	09:24:55	51.1	129528.3	65.7	52.0	50.5
35	2015/09/17	09:25:00	54.8	300363.9	70.2	56.5	51.8
36	2015/09/17	09:25:05	57.5	557451.4	72.3	59.2	55.0
37	2015/09/17	09:25:10	54.4	277361	69.0	57.9	52.5
38	2015/09/17	09:25:15	51.0	126450.9	70.6	52.5	50.4
39	2015/09/17	09:25:20	49.5	88583.14	62.3	50.7	49.1
40	2015/09/17	09:25:25	51.8	151462.4	67.2	52.3	50.1
41	2015/09/17	09:25:30	58.4	690330.7	75.9	60.8	52.3
42	2015/09/17	09:25:35	55.5	352556.7	70.9	57.9	54.2
43	2015/09/17	09:25:40	54.8	301574.4	68.0	55.4	54.0
44	2015/09/17	09:25:45	52.1	161325.5	64.8	54.2	51.6
45	2015/09/17	09:25:50	54.7	296260.6	69.4	56.4	51.9
46	2015/09/17	09:25:55	53.9	247758.9	67.3	54.8	53.1
47	2015/09/17	09:26:00	56.8	478385.4	71.2	58.5	54.8
48	2015/09/17	09:26:05	52.1	160934.3	67.2	55.6	51.7
49	2015/09/17	09:26:10	50.8	120986	64.4	51.7	50.7
50	2015/09/17	09:26:15	51.5	141479.1	67.1	52.6	50.5
51	2015/09/17	09:26:20	53.3	215762.7	68.4	54.6	52.2
52	2015/09/17	09:26:25	52.8	191799.6	71.2	55.4	51.1
53	2015/09/17	09:26:30	59.7	925896.1	73.7	60.9	55.5
54	2015/09/17	09:26:35	53.7	231969.1	68.5	58.8	51.5
55	2015/09/17	09:26:40	50.3	107518.6	63.7	51.5	49.9
56	2015/09/17	09:26:45	50.5	111456.1	65.8	51.1	50.0
57	2015/09/17	09:26:50	55.3	341326.1	69.2	56.4	50.4
58	2015/09/17	09:26:55	53.2	210817.5	67.5	56.3	51.8
59	2015/09/17	09:27:00	55.7	375284.2	70.8	57.9	51.7
60	2015/09/17	09:27:05	54.7	297833.4	89.0	57.7	51.7
61	2015/09/17	09:27:10	54.6	287004.1	72.1	58.1	52.1
62	2015/09/17	09:27:15	62.4	1730675	76.7	63.9	58.2
63	2015/09/17	09:27:20	55.0	313840.8	69.2	60.3	52.6
64	2015/09/17	09:27:25	49.8	96066.88	62.5	52.6	49.4
65	2015/09/17	09:27:30	49.5	90111.5	62.6	49.9	49.2
66	2015/09/17	09:27:35	48.7	74943.85	62.1	49.3	48.6
67	2015/09/17	09:27:40	50.7	116545	86.6	54.4	48.4
68	2015/09/17	09:27:45	48.6	71793.7	62.1	49.0	48.3
69	2015/09/17	09:27:50	53.9	247713.6	73.2	57.5	48.8
70	2015/09/17	09:27:55	60.8	1210268	75.2	62.2	57.2
71	2015/09/17	09:28:00	53.0	198619.4	71.5	60.4	50.8
72	2015/09/17	09:28:05	49.9	98774.17	62.1	50.8	49.8
73	2015/09/17	09:28:10	54.1	254111.7	68.4	55.4	50.1
74	2015/09/17	09:28:15	60.2	1044048	74.2	62.0	54.7
75	2015/09/17	09:28:20	58.9	782872.9	74.5	62.3	57.6
76	2015/09/17	09:28:25	61.1	1294517	81.7	62.4	57.8
77	2015/09/17	09:28:30	58.0	636723.5	70.9	60.4	57.9
78	2015/09/17	09:28:35	62.2	1671504	79.2	64.0	58.5
79	2015/09/17	09:28:40	63.3	2159263	81.8	65.3	61.8
80	2015/09/17	09:28:45	56.0	396079.3	70.8	61.8	53.6
81	2015/09/17	09:28:50	50.8	119703.1	64.3	53.6	50.2
82	2015/09/17	09:28:55	56.0	399949.4	71.8	58.8	50.3
83	2015/09/17	09:29:00	60.0	989285.5	73.8	60.6	58.8
84	2015/09/17	09:29:05	60.6	1142057	73.8	61.2	59.6
85	2015/09/17	09:29:10	58.7	746523.4	76.9	60.8	57.1
86	2015/09/17	09:29:15	58.7	743192	73.1	60.0	56.1
87	2015/09/17	09:29:20	58.7	735377.6	74.2	60.0	57.9
88	2015/09/17	09:29:25	55.3	337891.8	71.6	58.9	51.6
89	2015/09/17	09:29:30	49.2	82876.08	61.4	51.6	48.9
90	2015/09/17	09:29:35	49.4	87803.76	64.1	49.7	49.0
91	2015/09/17	09:29:40	49.3	85348.71	62.6	49.8	49.0

92	2015/09/17	09:29:45	49.0	78668.28	64.4	49.3	48.7
93	2015/09/17	09:29:50	49.0	80283.81	62.1	49.3	48.8
94	2015/09/17	09:29:55	49.9	98467.26	63.7	50.6	49.2
95	2015/09/17	09:30:00	51.4	137534.9	65.3	52.0	50.6
96	2015/09/17	09:30:05	56.2	413375.2	72.6	58.8	50.6
97	2015/09/17	09:30:10	56.5	447829.6	77.7	59.1	53.6
98	2015/09/17	09:30:15	54.2	262157.3	70.5	56.2	52.0
99	2015/09/17	09:30:20	62.4	1747155	77.8	64.3	56.2
100	2015/09/17	09:30:25	53.4	217370.3	69.7	60.0	52.5
101	2015/09/17	09:30:30	56.6	454062	72.3	58.0	53.4
102	2015/09/17	09:30:35	54.9	308264.6	71.6	56.9	52.7
103	2015/09/17	09:30:40	49.4	86448.62	61.7	52.7	48.9
104	2015/09/17	09:30:45	48.2	66708.71	61.6	48.9	48.0
105	2015/09/17	09:30:50	48.8	75011.75	75.5	49.9	48.5
106	2015/09/17	09:30:55	50.1	102227.3	66.3	50.8	48.6
107	2015/09/17	09:31:00	51.8	152628.7	78.4	52.5	50.0
108	2015/09/17	09:31:05	52.0	158538.6	67.6	52.6	51.4
109	2015/09/17	09:31:10	49.2	82409.68	61.7	51.4	48.7
110	2015/09/17	09:31:15	56.3	427533.4	71.9	58.2	49.5
111	2015/09/17	09:31:20	57.8	601566.9	71.4	58.8	56.2
112	2015/09/17	09:31:25	59.1	804487.8	74.9	60.1	58.2
113	2015/09/17	09:31:30	54.5	281374.3	68.4	58.2	53.6
114	2015/09/17	09:31:35	57.9	611126.2	72.4	59.5	54.2
115	2015/09/17	09:31:40	56.7	472945.2	71.0	59.3	54.3
116	2015/09/17	09:31:45	51.5	142369.1	67.2	54.3	50.8
117	2015/09/17	09:31:50	50.9	123210.1	64.1	51.8	50.2
118	2015/09/17	09:31:55	51.0	124970.3	63.8	51.5	50.2
119	2015/09/17	09:32:00	55.6	366299.1	70.2	57.9	50.7
120	2015/09/17	09:32:05	55.1	322379.9	74.8	57.7	54.6
121	2015/09/17	09:32:10	57.3	534894.9	71.0	57.8	55.0
122	2015/09/17	09:32:15	55.7	370196.4	69.6	57.3	53.8
123	2015/09/17	09:32:20	51.1	129766.4	65.1	53.8	49.9
124	2015/09/17	09:32:25	48.2	65422.06	61.3	49.9	47.8
125	2015/09/17	09:32:30	48.2	66195.87	60.6	48.6	47.8
126	2015/09/17	09:32:35	53.8	238221.5	69.9	56.1	48.6
127	2015/09/17	09:32:40	55.9	385431.7	70.6	57.5	54.9
128	2015/09/17	09:32:45	56.0	396277.6	70.3	57.2	53.8
129	2015/09/17	09:32:50	59.8	948632.7	78.6	60.9	56.7
130	2015/09/17	09:32:55	59.7	943240.3	79.9	62.0	56.9
131	2015/09/17	09:33:00	58.5	703306	78.6	62.2	55.1
132	2015/09/17	09:33:05	50.8	120575.8	67.8	55.1	50.2
133	2015/09/17	09:33:10	56.5	443484.1	70.6	57.7	50.4
134	2015/09/17	09:33:15	55.3	338347.1	71.8	58.2	53.1
135	2015/09/17	09:33:20	58.2	657976.3	78.5	58.7	56.4
136	2015/09/17	09:33:25	52.2	164462.4	66.4	57.7	51.6
137	2015/09/17	09:33:30	53.1	203147.3	71.2	53.9	52.2
138	2015/09/17	09:33:35	56.5	448155.4	71.5	58.3	52.1
139	2015/09/17	09:33:40	57.3	536668.6	70.8	58.6	56.2
140	2015/09/17	09:33:45	54.2	262705.7	69.6	57.5	53.1
141	2015/09/17	09:33:50	51.1	129144.9	72.3	53.7	49.8
142	2015/09/17	09:33:55	49.7	92390.9	68.1	49.9	49.5
143	2015/09/17	09:34:00	51.1	128538.3	64.0	52.8	49.0
144	2015/09/17	09:34:05	49.7	93536.03	61.8	50.8	49.4
145	2015/09/17	09:34:10	51.1	129492.9	73.2	52.3	49.6
146	2015/09/17	09:34:15	48.8	76429.05	69.6	50.4	48.6
147	2015/09/17	09:34:20	56.3	430867.1	73.8	59.4	48.7
148	2015/09/17	09:34:25	62.0	1587185	76.2	63.0	59.4
149	2015/09/17	09:34:30	53.7	236730.1	69.9	60.0	52.6
150	2015/09/17	09:34:35	56.1	403513.7	76.3	57.7	53.5
151	2015/09/17	09:34:40	59.4	872381.9	73.6	60.8	57.5
152	2015/09/17	09:34:45	54.2	263213.1	68.4	58.5	53.2
153	2015/09/17	09:34:50	59.5	889277.2	75.7	61.0	54.4
154	2015/09/17	09:34:55	52.7	185442.9	69.3	59.5	50.4
155	2015/09/17	09:35:00	51.7	147493.8	68.3	52.4	50.3
156	2015/09/17	09:35:05	50.2	104135.1	63.6	52.3	49.3
157	2015/09/17	09:35:10	48.0	63325.87	61.0	49.3	47.7
158	2015/09/17	09:35:15	48.7	74115.35	61.8	49.4	47.8
159	2015/09/17	09:35:20	56.1	404350.6	71.6	58.5	49.4
160	2015/09/17	09:35:25	61.7	1487401	76.4	63.2	58.5
161	2015/09/17	09:35:30	52.7	186511.1	72.9	60.1	50.3
162	2015/09/17	09:35:35	49.0	79556.2	63.4	50.3	48.8
163	2015/09/17	09:35:40	48.5	71118.74	62.7	48.9	48.3
164	2015/09/17	09:35:45	52.8	191230	80.2	56.8	48.4
165	2015/09/17	09:35:50	57.4	548932.2	76.3	59.8	50.1
166	2015/09/17	09:35:55	57.5	556559.5	73.1	59.9	53.9
167	2015/09/17	09:36:00	55.9	385233.7	85.3	59.1	52.6
168	2015/09/17	09:36:05	50.8	121409.7	77.4	52.9	49.8
169	2015/09/17	09:36:10	50.6	115039	66.1	53.0	48.5
170	2015/09/17	09:36:15	56.6	455739.8	77.4	57.5	53.0
171	2015/09/17	09:36:20	58.4	686522.3	74.4	59.7	57.4
172	2015/09/17	09:36:25	53.9	247593.5	68.6	57.6	51.7
173	2015/09/17	09:36:30	56.7	472854.6	73.1	59.6	51.5
174	2015/09/17	09:36:35	52.2	167165.4	66.4	55.5	50.6
175	2015/09/17	09:36:40	55.0	313270.4	76.9	58.8	50.3
176	2015/09/17	09:36:45	58.7	744893.8	73.8	60.2	56.3
177	2015/09/17	09:36:50	56.1	410076.7	71.7	58.5	54.4
178	2015/09/17	09:36:55	61.6	1433431	74.7	62.0	58.5
179	2015/09/17	09:37:00	60.4	1085927	73.7	62.1	58.4
180	2015/09/17	09:37:05	52.8	188871.9	68.6	58.4	52.1
181	2015/09/17	09:37:10	51.3	135339.1	65.0	52.5	50.5
182	2015/09/17	09:37:15	55.0	313223.9	69.6	56.2	52.5
183	2015/09/17	09:37:20	55.2	334200.5	77.38261	54.64168	54.10412

Measurement 8 **Leq = 59.9**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
2	2015/09/17	09:57:56	57.2	524183.8	69.2	57.5	56.9
3	2015/09/17	09:58:00	57.3	534291.9	81.3	58.1	56.5
4	2015/09/17	09:58:05	57.0	505229.3	79.4	57.8	56.7
5	2015/09/17	09:58:10	56.4	431975.9	68.7	56.9	56.1
6	2015/09/17	09:58:15	57.4	550127.4	71.0	57.7	56.4
7	2015/09/17	09:58:20	57.6	579982.3	70.1	58.0	57.1
8	2015/09/17	09:58:25	58.3	674142.6	72.7	58.6	57.9
9	2015/09/17	09:58:30	58.3	673421.1	78.4	58.9	57.7
10	2015/09/17	09:58:35	57.2	523210.4	76.5	58.1	56.7
11	2015/09/17	09:58:40	56.2	421635	69.1	56.7	56.2
12	2015/09/17	09:58:45	55.8	381582.8	69.2	56.4	55.6
13	2015/09/17	09:58:50	56.6	458575.2	69.8	57.1	55.6
14	2015/09/17	09:58:55	57.0	501188.1	70.1	57.3	56.6
15	2015/09/17	09:59:00	62.0	1581457	79.5	64.0	56.6
16	2015/09/17	09:59:05	63.9	2476980	83.1	67.0	60.0
17	2015/09/17	09:59:10	56.7	470813.5	68.9	60.0	56.6
18	2015/09/17	09:59:15	56.7	467276.1	69.3	57.0	56.3
19	2015/09/17	09:59:20	58.5	705646.2	87.4	60.2	56.8
20	2015/09/17	09:59:25	57.7	589961.5	77.5	59.0	57.5
21	2015/09/17	09:59:30	57.8	599733.5	71.6	58.2	57.4
22	2015/09/17	09:59:35	57.7	582791	70.0	58.0	57.3
23	2015/09/17	09:59:40	57.8	607570.1	71.0	58.2	57.5
24	2015/09/17	09:59:45	58.6	720281	72.6	59.0	57.8
25	2015/09/17	09:59:50	58.0	627270.5	70.3	58.7	57.6
26	2015/09/17	09:59:55	58.6	723204.2	78.9	59.0	58.0
27	2015/09/17	10:00:00	58.2	655918.5	70.8	58.5	57.9
28	2015/09/17	10:00:05	58.5	708042.8	71.5	58.8	58.2
29	2015/09/17	10:00:10	59.2	831994.8	76.2	59.6	58.3
30	2015/09/17	10:00:15	61.4	1392902	91.1	64.2	59.0
31	2015/09/17	10:00:20	59.1	814594.9	71.5	59.5	58.9
32	2015/09/17	10:00:25	58.6	722091.5	71.6	59.0	58.2
33	2015/09/17	10:00:30	59.0	790044	71.9	59.3	58.3
34	2015/09/17	10:00:35	58.9	775347.9	71.2	59.2	58.6
35	2015/09/17	10:00:40	58.9	781152.9	71.3	59.2	58.7
36	2015/09/17	10:00:45	59.1	817002.6	72.8	59.6	58.7
37	2015/09/17	10:00:50	58.8	762800.9	75.0	59.7	58.5
38	2015/09/17	10:00:55	59.5	889251.4	77.6	60.1	58.8
39	2015/09/17	10:01:00	59.1	820677.2	76.4	59.7	58.8
40	2015/09/17	10:01:05	59.9	975068.3	79.8	62.0	59.0
41	2015/09/17	10:01:10	58.7	744251.5	70.9	59.2	58.7
42	2015/09/17	10:01:15	59.1	804381.9	72.6	59.3	58.7
43	2015/09/17	10:01:20	61.0	1257648	85.5	63.7	58.9
44	2015/09/17	10:01:25	58.4	690556.9	70.7	62.2	58.3
45	2015/09/17	10:01:30	58.5	713033.8	76.0	60.1	57.7
46	2015/09/17	10:01:35	57.3	534233.8	73.4	58.0	56.9
47	2015/09/17	10:01:40	57.7	593077.4	84.0	59.1	56.9
48	2015/09/17	10:01:45	56.7	467978.5	74.6	58.5	56.0
49	2015/09/17	10:01:50	58.1	645766.3	82.0	61.2	55.9
50	2015/09/17	10:01:55	56.2	413804.6	70.1	59.8	56.2
51	2015/09/17	10:02:00	56.5	444338	68.6	57.0	56.0
52	2015/09/17	10:02:05	57.2	519221	69.7	57.3	56.9
53	2015/09/17	10:02:10	57.5	563451.8	71.0	57.8	57.2
54	2015/09/17	10:02:15	57.9	613967.6	72.6	58.5	57.1
55	2015/09/17	10:02:20	57.4	554862.8	69.6	57.9	57.2
56	2015/09/17	10:02:25	57.8	602711.9	72.3	58.6	57.2
57	2015/09/17	10:02:30	57.1	515873.8	74.7	57.8	56.7
58	2015/09/17	10:02:35	56.7	470293.9	69.6	57.3	56.3
59	2015/09/17	10:02:40	56.3	423108.6	74.2	56.6	56.0
60	2015/09/17	10:02:45	56.9	490345.5	78.7	57.3	56.1
61	2015/09/17	10:02:50	57.1	516160.7	69.6	57.3	56.9
62	2015/09/17	10:02:55	57.5	562504.3	69.6	57.7	57.2
63	2015/09/17	10:03:00	57.2	527031.8	69.8	57.7	57.0
64	2015/09/17	10:03:05	57.0	502289	73.2	57.4	56.8
65	2015/09/17	10:03:10	57.6	574181	70.8	57.8	56.9
66	2015/09/17	10:03:15	57.9	610978.1	72.7	58.0	57.3
67	2015/09/17	10:03:20	57.7	593812.3	72.4	57.9	57.5
68	2015/09/17	10:03:25	61.4	1394023	83.7	63.6	57.9
69	2015/09/17	10:03:30	62.1	1632289	85.9	64.4	60.6
70	2015/09/17	10:03:35	59.1	808182.1	73.4	60.6	58.5
71	2015/09/17	10:03:40	58.8	758882.7	71.1	59.2	58.3
72	2015/09/17	10:03:45	58.4	697726.4	71.6	58.7	58.2
73	2015/09/17	10:03:50	58.3	682136.8	71.3	58.5	58.1
74	2015/09/17	10:03:55	59.0	794115.5	71.2	59.7	58.3
75	2015/09/17	10:04:00	58.1	641608.4	71.7	59.2	57.8
76	2015/09/17	10:04:05	57.8	602628.3	70.8	58.2	57.6
77	2015/09/17	10:04:10	57.3	536610.6	70.9	57.7	57.1
78	2015/09/17	10:04:15	57.3	535369.1	69.8	57.5	57.1
79	2015/09/17	10:04:20	57.6	576812.6	70.3	57.7	57.1
80	2015/09/17	10:04:25	57.1	507963.2	70.6	57.7	57.0
81	2015/09/17	10:04:30	56.6	454558	69.2	57.1	56.4
82	2015/09/17	10:04:35	56.9	488511.5	70.9	57.2	56.4
83	2015/09/17	10:04:40	57.3	531616.6	73.8	57.8	56.7
84	2015/09/17	10:04:45	57.7	592758.1	71.5	58.2	57.0
85	2015/09/17	10:04:50	58.8	753116.8	72.1	59.1	58.1
86	2015/09/17	10:04:55	58.2	653669.1	71.4	59.1	57.3
87	2015/09/17	10:05:00	57.0	505226.2	70.7	57.4	56.8
88	2015/09/17	10:05:05	56.8	480246.7	69.8	57.3	56.6
89	2015/09/17	10:05:10	56.7	464682.8	77.0	57.4	55.9
90	2015/09/17	10:05:15	56.0	399280	70.0	57.1	55.8
91	2015/09/17	10:05:20	56.3	428240.3	69.9	56.6	55.7

92	2015/09/17	10:05:25	56.6	456775.4	71.6	56.9	56.3
93	2015/09/17	10:05:30	56.9	490197.3	73.7	57.4	56.5
94	2015/09/17	10:05:35	56.6	457914.6	70.1	56.8	56.5
95	2015/09/17	10:05:40	57.4	553310.8	70.6	58.3	56.4
96	2015/09/17	10:05:45	57.0	506360.9	69.7	58.0	56.5
97	2015/09/17	10:05:50	56.7	464031.4	71.3	57.0	56.4
98	2015/09/17	10:05:55	56.9	485740.6	69.2	57.0	56.5
99	2015/09/17	10:06:00	57.7	595147	75.5	58.6	56.6
100	2015/09/17	10:06:05	57.1	508753.6	70.0	58.2	56.7
101	2015/09/17	10:06:10	56.0	400864.5	68.9	56.7	55.9
102	2015/09/17	10:06:15	56.4	439039.3	70.1	56.7	55.8
103	2015/09/17	10:06:20	56.6	456102.6	70.3	56.9	56.3
104	2015/09/17	10:06:25	56.9	492532.7	70.3	57.3	56.1
105	2015/09/17	10:06:30	57.1	514742.7	71.2	57.6	56.8
106	2015/09/17	10:06:35	56.8	477077	69.7	57.1	56.4
107	2015/09/17	10:06:40	56.7	463879.8	69.1	56.8	56.3
108	2015/09/17	10:06:45	56.6	456143.1	69.4	56.9	56.4
109	2015/09/17	10:06:50	56.5	449449.2	71.0	56.8	56.3
110	2015/09/17	10:06:55	56.2	417403.7	69.1	56.6	55.9
111	2015/09/17	10:07:00	55.7	375630.5	69.4	56.1	55.4
112	2015/09/17	10:07:05	56.4	440441	71.5	56.9	56.0
113	2015/09/17	10:07:10	56.2	412396.4	68.9	56.6	55.8
114	2015/09/17	10:07:15	56.2	413381.4	69.7	56.5	55.8
115	2015/09/17	10:07:20	56.2	420447.9	68.8	56.5	55.7
116	2015/09/17	10:07:25	55.8	379989.3	68.6	56.3	55.5
117	2015/09/17	10:07:30	56.3	428497.7	74.2	56.8	55.6
118	2015/09/17	10:07:35	56.1	408872.9	73.4	56.7	55.7
119	2015/09/17	10:07:40	55.4	348654.3	69.0	56.0	55.0
120	2015/09/17	10:07:45	55.3	336998.5	68.5	55.7	54.8
121	2015/09/17	10:07:50	54.7	296563.2	67.2	55.0	54.3
122	2015/09/17	10:07:55	55.1	326658.4	68.6	55.6	54.7
123	2015/09/17	10:08:00	56.2	413617.1	80.4	56.6	55.6
124	2015/09/17	10:08:05	56.4	438247.9	70.0	56.6	56.0
125	2015/09/17	10:08:10	55.9	392305.9	70.7	56.8	55.3
126	2015/09/17	10:08:15	56.4	432134.2	80.7	57.5	55.3
127	2015/09/17	10:08:20	56.8	476334.2	69.5	57.2	55.9
128	2015/09/17	10:08:25	57.7	593989.7	70.4	58.3	57.0
129	2015/09/17	10:08:30	56.3	427992.1	71.4	57.3	55.8
130	2015/09/17	10:08:35	57.6	580938.3	71.8	59.0	55.7
131	2015/09/17	10:08:40	69.4	8697239	85.5	71.7	59.0
132	2015/09/17	10:08:45	71.4	13899796	85.7	72.6	69.6
133	2015/09/17	10:08:50	70.7	11782845	90.6	72.3	68.0
134	2015/09/17	10:08:55	68.4	6927652	80.5	70.9	67.9
135	2015/09/17	10:09:00	64.6	2915271	86.4	69.1	60.1
136	2015/09/17	10:09:05	57.2	528868.2	70.4	60.0	56.3
137	2015/09/17	10:09:10	55.7	371535.3	74.4	56.3	55.5
138	2015/09/17	10:09:15	55.1	320494.1	69.3	55.7	54.8
139	2015/09/17	10:09:20	55.0	313451.8	68.4	55.1	54.6
140	2015/09/17	10:09:25	59.2	825477.7	83.4	63.1	55.1
141	2015/09/17	10:09:30	56.4	435579.1	70.9	60.4	56.3
142	2015/09/17	10:09:35	56.6	456697.1	71.0	57.2	56.2
143	2015/09/17	10:09:40	55.9	387901.2	69.1	56.3	55.6
144	2015/09/17	10:09:45	56.0	399600.7	68.8	56.4	55.5
145	2015/09/17	10:09:50	56.3	424021.2	69.2	56.6	56.0
146	2015/09/17	10:09:55	56.9	484553.8	70.3	57.2	56.4
147	2015/09/17	10:10:00	57.9	609574.7	79.1	60.8	55.9
148	2015/09/17	10:10:05	56.3	427006.8	69.0	57.5	56.0
149	2015/09/17	10:10:10	56.8	476704.6	71.2	57.3	56.1
150	2015/09/17	10:10:15	56.2	417800.9	70.3	56.5	56.0
151	2015/09/17	10:10:20	56.8	482007.7	69.9	57.2	56.0
152	2015/09/17	10:10:25	56.2	415790.7	72.2	57.0	55.9
153	2015/09/17	10:10:30	56.1	403071.2	70.0	56.3	55.7
154	2015/09/17	10:10:35	56.0	396608.8	69.8	56.4	55.7
155	2015/09/17	10:10:40	56.5	451586.9	69.6	57.4	55.6
156	2015/09/17	10:10:45	58.2	666519.5	70.8	58.8	57.3
157	2015/09/17	10:10:50	56.9	485013.3	69.9	58.7	56.2
158	2015/09/17	10:10:55	56.0	395047	71.6	56.2	55.8
159	2015/09/17	10:11:00	55.7	370929.8	69.1	56.0	55.4
160	2015/09/17	10:11:05	56.0	396487.2	68.9	56.2	55.8
161	2015/09/17	10:11:10	56.1	405854.4	70.4	56.5	55.7
162	2015/09/17	10:11:15	61.9	1539690	81.1	66.3	56.0
163	2015/09/17	10:11:20	61.6	1439459	83.0	64.9	58.3
164	2015/09/17	10:11:25	68.6	7198674	82.5	69.8	65.0
165	2015/09/17	10:11:30	69.3	8487988	84.1	71.2	66.0
166	2015/09/17	10:11:35	60.5	1115667	79.4	65.9	59.5
167	2015/09/17	10:11:40	60.4	1095616	73.6	60.9	59.1
168	2015/09/17	10:11:45	60.2	1043171	76.8	60.9	59.9
169	2015/09/17	10:11:50	60.6	1141089	86.1	61.9	59.5
170	2015/09/17	10:11:55	68.1	6461147	85.5	70.4	61.9
171	2015/09/17	10:12:00	60.9	1219460	78.9	66.8	59.1
172	2015/09/17	10:12:05	57.6	576244	71.7	59.1	57.2
173	2015/09/17	10:12:10	57.7	582138.7	71.3	58.3	57.1
174	2015/09/17	10:12:15	58.5	713630.3	81.3	59.3	57.6
175	2015/09/17	10:12:20	56.5	442691.3	75.7	58.4	56.0
176	2015/09/17	10:12:25	56.8	482216.9	72.5	57.1	56.1
177	2015/09/17	10:12:30	64.7	2937526	89.3	69.7	56.9
178	2015/09/17	10:12:35	64.5	2787622	87.0	68.3	60.6
179	2015/09/17	10:12:40	57.2	522075.1	70.1	63.6	57.7
180	2015/09/17	10:12:45	58.4	686079.8	72.3	58.7	57.9
181	2015/09/17	10:12:50	58.5	708873.5	71.9	59.0	58.1
182	2015/09/17	10:12:55	57.4	550334.2	70.0	58.4	57.4
183	2015/09/17	10:13:00	58.3	683310.9	71.32926	58.67811	57.47782

Measurement 9 **Leq = 65.4**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
3	2015/09/17	11:03:12	66.6	4574527	81.1	67.7	61.9
4	2015/09/17	11:03:15	71.6	14326979	86.3	72.3	67.7
5	2015/09/17	11:03:20	71.1	12749545	84.9	72.4	70.6
6	2015/09/17	11:03:25	66.2	4182577	79.7	71.1	66.3
7	2015/09/17	11:03:30	62.0	1574561	76.7	66.3	59.5
8	2015/09/17	11:03:35	58.9	781081.6	72.4	59.5	58.8
9	2015/09/17	11:03:40	61.9	1552792	77.8	63.8	59.1
10	2015/09/17	11:03:45	59.2	826318.4	79.8	63.4	58.8
11	2015/09/17	11:03:50	57.2	523765.9	69.7	58.8	56.3
12	2015/09/17	11:03:55	57.0	495518.2	77.9	57.7	56.1
13	2015/09/17	11:04:00	58.5	714182.8	88.9	60.3	56.9
14	2015/09/17	11:04:05	58.6	732487.6	73.4	59.4	57.7
15	2015/09/17	11:04:10	56.7	470477	85.1	58.3	56.1
16	2015/09/17	11:04:15	56.4	437110.3	69.5	57.3	55.9
17	2015/09/17	11:04:20	59.2	838825.7	73.8	59.8	56.7
18	2015/09/17	11:04:25	61.9	1535615	78.1	63.2	59.8
19	2015/09/17	11:04:30	58.8	756130	93.7	62.7	57.3
20	2015/09/17	11:04:35	64.1	2563599	77.9	65.6	57.8
21	2015/09/17	11:04:40	70.1	10255692	90.5	72.5	65.1
22	2015/09/17	11:04:45	67.7	5945602	84.0	72.3	65.1
23	2015/09/17	11:04:50	61.1	1279226	74.3	65.1	60.7
24	2015/09/17	11:04:55	61.6	1431596	74.9	63.0	60.4
25	2015/09/17	11:05:00	61.1	1278395	75.1	62.4	59.5
26	2015/09/17	11:05:05	63.4	2177791	77.3	64.3	62.4
27	2015/09/17	11:05:10	64.3	2690998	79.4	66.5	61.6
28	2015/09/17	11:05:15	60.7	1164044	80.2	61.6	60.1
29	2015/09/17	11:05:20	62.6	1831987	77.0	63.2	60.5
30	2015/09/17	11:05:25	62.5	1770821	78.1	64.7	60.0
31	2015/09/17	11:05:30	63.7	2354314	81.4	65.0	60.0
32	2015/09/17	11:05:35	58.9	769274.5	74.5	64.1	56.8
33	2015/09/17	11:05:40	60.0	1004019	77.0	63.1	55.9
34	2015/09/17	11:05:45	64.5	2844007	80.0	65.5	63.1
35	2015/09/17	11:05:50	63.4	2188821	78.9	65.1	62.2
36	2015/09/17	11:05:55	71.9	15439328	89.5	74.2	62.6
37	2015/09/17	11:06:00	63.2	2090637	81.6	73.4	62.8
38	2015/09/17	11:06:05	62.2	1641879	81.2	63.7	61.2
39	2015/09/17	11:06:10	65.6	3600596	81.9	68.4	60.1
40	2015/09/17	11:06:15	62.8	1886654	78.3	67.0	62.5
41	2015/09/17	11:06:20	68.0	6278515	85.9	71.0	61.4
42	2015/09/17	11:06:25	59.5	898113	76.5	69.5	58.6
43	2015/09/17	11:06:30	59.5	890373	76.8	62.1	56.8
44	2015/09/17	11:06:35	65.0	3183978	82.2	67.9	60.2
45	2015/09/17	11:06:40	58.3	677571.5	72.9	61.1	57.7
46	2015/09/17	11:06:45	60.6	1140525	74.4	62.2	59.0
47	2015/09/17	11:06:50	61.8	1521941	75.8	62.8	60.5
48	2015/09/17	11:06:55	68.6	7234259	85.0	70.6	60.4
49	2015/09/17	11:07:00	66.4	4400771	81.1	68.7	65.5
50	2015/09/17	11:07:05	61.2	1307718	76.7	66.2	59.0
51	2015/09/17	11:07:10	58.3	678407	71.6	59.0	57.9
52	2015/09/17	11:07:15	59.3	845862.7	72.6	59.7	58.7
53	2015/09/17	11:07:20	57.1	510593.6	70.2	58.7	56.6
54	2015/09/17	11:07:25	59.3	860933	78.4	62.7	55.1
55	2015/09/17	11:07:30	61.9	1534531	79.0	65.5	57.1
56	2015/09/17	11:07:35	55.5	353709.7	68.2	57.1	55.2
57	2015/09/17	11:07:40	57.2	523196.2	70.0	58.0	55.6
58	2015/09/17	11:07:45	61.8	1526556	75.5	62.8	58.0
59	2015/09/17	11:07:50	65.8	3830752	81.3	68.0	61.5
60	2015/09/17	11:07:55	69.9	9737879	86.4	72.4	66.7
61	2015/09/17	11:08:00	73.0	19998593	89.9	73.8	70.5
62	2015/09/17	11:08:05	69.0	7977628	82.8	70.5	67.9
63	2015/09/17	11:08:10	72.2	16533671	91.4	72.8	70.1
64	2015/09/17	11:08:15	61.2	1303180	78.8	71.1	60.3
65	2015/09/17	11:08:20	59.5	887595.5	74.0	60.3	58.7
66	2015/09/17	11:08:25	60.2	1037107	72.6	60.3	58.8
67	2015/09/17	11:08:30	63.0	1972749	76.0	63.6	60.2
68	2015/09/17	11:08:35	61.2	1326220	75.2	63.4	60.0
69	2015/09/17	11:08:40	63.0	1975161	76.1	63.7	60.7
70	2015/09/17	11:08:45	61.5	1427540	76.4	62.5	60.5
71	2015/09/17	11:08:50	57.7	584819.6	70.4	60.5	57.0
72	2015/09/17	11:08:55	56.7	468619.4	70.6	57.1	56.4
73	2015/09/17	11:09:00	58.8	752686.9	75.5	59.2	56.9
74	2015/09/17	11:09:05	60.6	1153779	74.6	62.3	58.3
75	2015/09/17	11:09:10	61.0	1266932	74.5	62.2	60.9
76	2015/09/17	11:09:15	61.2	1320005	75.3	62.4	60.1
77	2015/09/17	11:09:20	65.4	3461363	81.6	67.9	58.7
78	2015/09/17	11:09:25	72.7	18829245	87.8	74.2	67.9
79	2015/09/17	11:09:30	76.2	42069316	91.3	78.5	72.1
80	2015/09/17	11:09:35	76.1	41066963	90.7	78.3	72.1
81	2015/09/17	11:09:40	66.0	3985130	85.9	72.1	64.4
82	2015/09/17	11:09:45	66.3	4245687	81.1	67.1	65.5
83	2015/09/17	11:09:50	64.3	2679426	80.4	67.3	60.7
84	2015/09/17	11:09:55	69.5	8828858	88.5	72.6	61.4
85	2015/09/17	11:10:00	62.6	1834908	77.3	66.6	61.0
86	2015/09/17	11:10:05	58.7	745101.9	72.3	60.9	58.6
87	2015/09/17	11:10:10	61.4	1370425	75.1	61.7	59.1
88	2015/09/17	11:10:15	66.4	4358715	85.2	70.3	61.2
89	2015/09/17	11:10:20	65.8	3802057	86.6	71.5	63.2
90	2015/09/17	11:10:25	61.7	1489309	76.3	63.2	61.0
91	2015/09/17	11:10:30	57.8	600646	71.1	61.6	57.2
92	2015/09/17	11:10:35	61.0	1250174	73.4	61.2	57.5

93	2015/09/17	11:10:40	62.1	1616584	77.6	63.6	60.6
94	2015/09/17	11:10:45	56.5	442819.3	70.3	60.8	55.5
95	2015/09/17	11:10:50	56.0	401178.7	69.0	56.9	55.0
96	2015/09/17	11:10:55	55.7	370599.5	68.4	56.7	55.3
97	2015/09/17	11:11:00	61.5	1411197	91.8	62.5	55.3
98	2015/09/17	11:11:05	66.0	4026331	83.1	67.3	61.6
99	2015/09/17	11:11:10	69.3	8598583	83.5	70.9	67.3
100	2015/09/17	11:11:15	59.6	922058.9	74.0	67.4	58.9
101	2015/09/17	11:11:20	60.3	1077571	76.2	61.8	58.3
102	2015/09/17	11:11:25	65.1	3254080	82.9	67.4	61.6
103	2015/09/17	11:11:30	66.8	4826987	82.5	68.6	64.1
104	2015/09/17	11:11:35	66.4	4363603	81.5	68.9	63.1
105	2015/09/17	11:11:40	60.1	1033889	74.6	63.1	59.0
106	2015/09/17	11:11:45	58.0	629587.7	72.1	59.6	56.9
107	2015/09/17	11:11:50	63.9	2465207	77.7	65.0	59.6
108	2015/09/17	11:11:55	63.9	2427456	79.3	65.6	62.4
109	2015/09/17	11:12:00	66.7	4686083	81.3	67.6	63.5
110	2015/09/17	11:12:05	64.0	2517727	77.0	65.0	63.4
111	2015/09/17	11:12:10	60.8	1212004	75.1	63.4	60.8
112	2015/09/17	11:12:15	61.8	1517257	75.6	63.3	60.4
113	2015/09/17	11:12:20	61.3	1342111	76.6	63.3	60.8
114	2015/09/17	11:12:25	61.3	1362385	73.8	61.8	60.9
115	2015/09/17	11:12:30	62.8	1920324	82.3	65.1	60.2
116	2015/09/17	11:12:35	63.1	2019955	77.0	65.1	62.4
117	2015/09/17	11:12:40	60.6	1155469	74.4	63.1	60.2
118	2015/09/17	11:12:45	59.4	866102	72.3	60.2	59.2
119	2015/09/17	11:12:50	59.0	792576.8	72.6	59.3	58.8
120	2015/09/17	11:12:55	63.1	2059265	77.4	65.1	58.7
121	2015/09/17	11:13:00	69.6	9121034	85.5	70.8	65.1
122	2015/09/17	11:13:05	73.1	20270735	88.3	73.8	70.8
123	2015/09/17	11:13:10	67.5	5685037	83.6	72.8	64.9
124	2015/09/17	11:13:15	61.3	1355083	78.7	64.9	59.6
125	2015/09/17	11:13:20	67.3	5376883	83.5	68.7	63.0
126	2015/09/17	11:13:25	70.6	11484316	84.5	72.4	67.3
127	2015/09/17	11:13:30	62.9	1962042	80.7	69.4	61.3
128	2015/09/17	11:13:35	58.4	690745.5	75.9	61.2	57.7
129	2015/09/17	11:13:40	60.3	1061227	84.9	60.5	58.9
130	2015/09/17	11:13:45	60.5	1116288	74.1	62.0	59.4
131	2015/09/17	11:13:50	61.3	1341076	74.3	62.5	61.1
132	2015/09/17	11:13:55	59.7	934013	72.7	61.7	58.6
133	2015/09/17	11:14:00	59.5	891549.3	73.0	60.4	58.7
134	2015/09/17	11:14:05	60.0	1001815	73.3	60.2	59.8
135	2015/09/17	11:14:10	60.4	1099826	76.1	61.0	59.8
136	2015/09/17	11:14:15	60.0	994838	78.5	61.5	58.8
137	2015/09/17	11:14:20	65.5	3541402	81.0	69.7	58.3
138	2015/09/17	11:14:25	69.9	9858885	87.2	73.1	65.4
139	2015/09/17	11:14:30	67.9	6167610	81.4	69.1	63.7
140	2015/09/17	11:14:35	75.1	32359752	90.2	76.7	69.1
141	2015/09/17	11:14:40	71.1	12819572	85.6	73.8	70.3
142	2015/09/17	11:14:45	67.2	5297106	81.5	70.4	66.6
143	2015/09/17	11:14:50	63.7	2344826	80.2	66.7	62.4
144	2015/09/17	11:14:55	57.5	567152	73.9	63.5	56.6
145	2015/09/17	11:15:00	57.4	546117.9	72.0	58.5	56.0
146	2015/09/17	11:15:05	63.5	2229839	78.2	65.2	58.6
147	2015/09/17	11:15:10	61.8	1518671	75.8	63.2	61.5
148	2015/09/17	11:15:15	62.2	1641824	81.7	64.0	60.1
149	2015/09/17	11:15:20	61.0	1246901	77.5	61.5	59.9
150	2015/09/17	11:15:25	61.2	1318231	75.0	62.7	59.1
151	2015/09/17	11:15:30	56.3	424136.7	69.9	59.1	55.6
152	2015/09/17	11:15:35	56.5	444898.8	71.6	57.5	55.0
153	2015/09/17	11:15:40	62.2	1668294	78.8	63.2	57.6
154	2015/09/17	11:15:45	56.2	414487.4	71.0	61.1	55.5
155	2015/09/17	11:15:50	55.5	354654.2	67.6	55.9	55.0
156	2015/09/17	11:15:55	56.6	458158.9	70.0	56.9	55.8
157	2015/09/17	11:16:00	61.9	1543164	79.0	64.5	56.6
158	2015/09/17	11:16:05	64.0	2496316	78.1	65.0	62.8
159	2015/09/17	11:16:10	65.7	3754804	83.7	68.5	61.9
160	2015/09/17	11:16:15	63.4	2171089	81.5	69.1	60.8
161	2015/09/17	11:16:20	59.9	986898.8	83.3	60.8	59.8
162	2015/09/17	11:16:25	66.7	4671395	82.8	68.8	59.9
163	2015/09/17	11:16:30	65.5	3528703	84.0	69.3	61.2
164	2015/09/17	11:16:35	64.4	2766090	78.9	66.1	61.0
165	2015/09/17	11:16:40	65.7	3718974	81.2	67.7	63.7
166	2015/09/17	11:16:45	63.7	2336208	78.5	66.4	61.1
167	2015/09/17	11:16:50	59.8	965192.2	73.8	61.3	59.0
168	2015/09/17	11:16:55	57.2	519523	71.4	58.9	56.6
169	2015/09/17	11:17:00	61.6	1429219	77.1	64.0	58.4
170	2015/09/17	11:17:05	66.9	4881735	80.4	68.2	64.1
171	2015/09/17	11:17:10	59.8	951175	74.4	65.0	58.8
172	2015/09/17	11:17:15	64.5	2844802	80.9	66.4	59.0
173	2015/09/17	11:17:20	61.6	1454758	76.8	64.2	61.0
174	2015/09/17	11:17:25	63.7	2323677	77.6	64.3	61.3
175	2015/09/17	11:17:30	62.2	1648725	75.6	64.0	59.3
176	2015/09/17	11:17:35	60.6	1143692	82.9	64.2	57.3
177	2015/09/17	11:17:40	66.0	4024867	84.6	67.9	63.9
178	2015/09/17	11:17:45	64.6	2856204	88.5	65.9	63.7
179	2015/09/17	11:17:50	62.2	1659600	79.1	65.1	59.1
180	2015/09/17	11:17:55	58.6	719146.3	71.4	60.0	57.5
181	2015/09/17	11:18:00	60.7	1162643	76.3	61.0	60.0
182	2015/09/17	11:18:05	59.7	936913.6	76.2	60.4	59.4
183	2015/09/17	11:18:10	61.7	1477656	75.2	62.4	60.1

Measurement 10 **Leq = 60.1**

Record #	Date	Time	LAeq		LApeak	LASmax	LASmin
2	2015/09/17	12:12:39	52.8	189976.8	65.3	52.3	52.1
3	2015/09/17	12:12:40	51.9	154171.3	71.7	52.4	51.5
4	2015/09/17	12:12:45	52.5	177485.7	78.4	54.0	51.2
5	2015/09/17	12:12:50	53.8	242476.2	72.8	55.0	52.6
6	2015/09/17	12:12:55	54.9	311038.3	86.8	58.3	52.3
7	2015/09/17	12:13:00	53.0	198408.3	70.6	57.5	52.8
8	2015/09/17	12:13:05	53.0	198028.5	74.6	54.0	52.0
9	2015/09/17	12:13:10	51.3	133983.6	64.6	52.1	51.1
10	2015/09/17	12:13:15	52.5	175868.1	65.3	53.1	51.5
11	2015/09/17	12:13:20	52.0	158276.5	70.0	53.0	51.8
12	2015/09/17	12:13:25	56.4	433533.2	77.8	61.0	51.3
13	2015/09/17	12:13:30	65.6	3629701	78.9	66.2	61.1
14	2015/09/17	12:13:35	62.1	1617422	83.5	65.9	58.2
15	2015/09/17	12:13:40	53.0	197746.8	67.9	58.2	52.7
16	2015/09/17	12:13:45	54.7	296656.7	87.4	58.4	52.4
17	2015/09/17	12:13:50	53.4	216924.3	66.0	55.4	53.2
18	2015/09/17	12:13:55	54.4	275267.5	68.8	54.7	53.6
19	2015/09/17	12:14:00	55.0	315140.3	67.8	55.2	54.6
20	2015/09/17	12:14:05	56.5	449415.2	85.4	58.7	54.9
21	2015/09/17	12:14:10	55.0	314349	76.4	55.7	54.5
22	2015/09/17	12:14:15	68.5	7033134	90.2	72.2	55.0
23	2015/09/17	12:14:20	74.1	25966593	91.5	75.6	71.7
24	2015/09/17	12:14:25	61.5	1415656	77.9	71.6	57.9
25	2015/09/17	12:14:30	54.7	293052.6	70.4	57.9	54.2
26	2015/09/17	12:14:35	53.8	240962	70.7	54.4	53.3
27	2015/09/17	12:14:40	53.0	198390.3	78.2	53.9	52.5
28	2015/09/17	12:14:45	53.1	204698.8	65.9	53.6	52.5
29	2015/09/17	12:14:50	54.1	257634.9	66.9	54.4	53.6
30	2015/09/17	12:14:55	53.9	245665.5	66.1	54.6	53.4
31	2015/09/17	12:15:00	52.5	176131	64.8	53.4	52.4
32	2015/09/17	12:15:05	52.9	192992	66.3	53.4	52.4
33	2015/09/17	12:15:10	53.3	213255.3	67.2	53.8	52.7
34	2015/09/17	12:15:15	52.8	191067.9	70.8	53.0	52.6
35	2015/09/17	12:15:20	53.1	206111.8	65.9	53.3	52.8
36	2015/09/17	12:15:25	54.4	277328.4	73.4	56.1	53.2
37	2015/09/17	12:15:30	54.9	308421.1	75.1	57.7	54.0
38	2015/09/17	12:15:35	55.6	361444.9	69.8	56.2	54.0
39	2015/09/17	12:15:40	55.2	329942.3	68.0	56.1	55.0
40	2015/09/17	12:15:45	54.0	251280.9	71.4	55.1	53.5
41	2015/09/17	12:15:50	55.3	340545.7	90.0	57.8	53.5
42	2015/09/17	12:15:55	52.8	191040.3	73.2	56.3	52.5
43	2015/09/17	12:16:00	52.1	161349.3	68.7	52.6	51.8
44	2015/09/17	12:16:05	52.6	181748.9	76.5	54.0	52.0
45	2015/09/17	12:16:10	54.8	298556.6	90.1	57.8	52.5
46	2015/09/17	12:16:15	53.6	230748.7	84.8	57.7	52.6
47	2015/09/17	12:16:20	52.4	173296.6	66.2	53.0	51.9
48	2015/09/17	12:16:25	51.7	147652.5	64.6	52.1	51.4
49	2015/09/17	12:16:30	53.3	214129.2	76.5	53.9	51.7
50	2015/09/17	12:16:35	53.5	224003.9	67.0	54.0	53.0
51	2015/09/17	12:16:40	52.8	189014.6	66.6	53.5	52.4
52	2015/09/17	12:16:45	53.7	235603.9	66.1	54.1	52.6
53	2015/09/17	12:16:50	53.9	243427.1	67.4	54.3	53.3
54	2015/09/17	12:16:55	52.6	182467.6	65.1	53.3	52.5
55	2015/09/17	12:17:00	52.9	192959.6	66.6	53.0	52.5
56	2015/09/17	12:17:05	52.9	194769.4	66.8	53.3	52.4
57	2015/09/17	12:17:10	53.4	219760.8	68.7	53.6	53.1
58	2015/09/17	12:17:15	54.0	254045	66.9	54.3	53.6
59	2015/09/17	12:17:20	53.1	203622.5	67.3	53.9	52.3
60	2015/09/17	12:17:25	53.0	198413.1	65.2	53.3	52.3
61	2015/09/17	12:17:30	53.4	218611.8	68.1	54.0	53.0
62	2015/09/17	12:17:35	52.4	174965.2	65.2	53.4	52.1
63	2015/09/17	12:17:40	51.9	153370.8	64.5	52.5	51.5
64	2015/09/17	12:17:45	52.2	164703.6	72.0	52.9	51.7
65	2015/09/17	12:17:50	52.0	158254.6	71.4	52.2	51.9
66	2015/09/17	12:17:55	51.9	154775.9	66.2	52.1	51.7
67	2015/09/17	12:18:00	52.9	196618	75.3	53.4	52.1
68	2015/09/17	12:18:05	55.2	329704.4	90.3	59.4	52.6
69	2015/09/17	12:18:10	52.4	173020.9	76.7	53.0	52.2
70	2015/09/17	12:18:15	52.5	177776.1	64.9	52.9	52.0
71	2015/09/17	12:18:20	50.9	122103.5	64.0	52.0	50.7
72	2015/09/17	12:18:25	51.0	126624.5	64.9	51.3	50.7
73	2015/09/17	12:18:30	53.0	200547.4	65.8	53.6	51.2
74	2015/09/17	12:18:35	53.5	226203.8	71.6	53.8	53.3
75	2015/09/17	12:18:40	53.9	242852.8	66.6	54.2	53.2
76	2015/09/17	12:18:45	53.8	242068.5	66.6	54.6	53.5
77	2015/09/17	12:18:50	52.8	191082.7	65.0	53.6	52.6
78	2015/09/17	12:18:55	55.9	388350.5	90.7	58.3	52.8
79	2015/09/17	12:19:00	54.0	253412.3	69.7	56.6	53.7
80	2015/09/17	12:19:05	53.2	207633.3	79.7	53.8	52.9
81	2015/09/17	12:19:10	53.2	208871.7	70.0	53.7	52.8
82	2015/09/17	12:19:15	54.0	251182.5	69.6	54.3	53.6
83	2015/09/17	12:19:20	55.0	312665.9	80.9	56.0	53.8
84	2015/09/17	12:19:25	53.0	199242.3	68.3	54.7	53.0
85	2015/09/17	12:19:30	53.1	205141.9	69.7	53.8	52.7
86	2015/09/17	12:19:35	52.1	163216.9	66.5	53.1	51.9
87	2015/09/17	12:19:40	52.8	189461.7	69.5	52.9	52.0
88	2015/09/17	12:19:45	52.9	194521.3	65.5	53.0	52.7
89	2015/09/17	12:19:50	52.7	187648.9	65.5	53.1	52.5
90	2015/09/17	12:19:55	55.5	352846.4	74.3	56.7	53.0
91	2015/09/17	12:20:00	55.0	315479.5	69.1	55.6	54.9

92	2015/09/17	12:20:05	54.6	286768.7	68.3	55.1	54.2
93	2015/09/17	12:20:10	55.0	319807.7	67.9	55.4	54.7
94	2015/09/17	12:20:15	56.3	429605.3	72.6	56.5	55.1
95	2015/09/17	12:20:20	56.1	402792	78.8	56.9	55.7
96	2015/09/17	12:20:25	57.9	623675.2	71.2	58.3	56.0
97	2015/09/17	12:20:30	58.6	720059	72.0	59.3	57.8
98	2015/09/17	12:20:35	57.9	618248.2	72.0	59.3	57.3
99	2015/09/17	12:20:40	57.9	612471.8	70.6	58.2	57.3
100	2015/09/17	12:20:45	57.8	597345.1	69.8	58.2	57.5
101	2015/09/17	12:20:50	58.2	662842.5	70.7	58.5	57.6
102	2015/09/17	12:20:55	58.6	721800.4	74.7	59.9	57.9
103	2015/09/17	12:21:00	55.4	350480.3	75.0	58.0	54.7
104	2015/09/17	12:21:05	55.1	320453.6	68.2	55.3	54.7
105	2015/09/17	12:21:10	55.0	316247.8	67.7	55.4	54.8
106	2015/09/17	12:21:15	54.1	260008.7	66.5	55.0	53.9
107	2015/09/17	12:21:20	53.1	202626.9	65.4	54.0	52.8
108	2015/09/17	12:21:25	53.5	225432.6	68.6	54.4	52.7
109	2015/09/17	12:21:30	54.3	267956.3	80.9	55.9	52.9
110	2015/09/17	12:21:35	54.3	271951.7	81.9	57.7	52.6
111	2015/09/17	12:21:40	52.8	189682.7	64.7	53.1	52.5
112	2015/09/17	12:21:45	52.8	190646.5	65.4	53.1	52.5
113	2015/09/17	12:21:50	53.4	217032	66.4	53.6	53.1
114	2015/09/17	12:21:55	52.6	182126.6	65.8	53.3	52.5
115	2015/09/17	12:22:00	54.1	254623.6	70.6	55.9	52.6
116	2015/09/17	12:22:05	53.4	219603.9	72.1	53.6	53.1
117	2015/09/17	12:22:10	54.0	250825.7	66.7	54.2	53.5
118	2015/09/17	12:22:15	55.1	322147.2	68.1	55.3	54.0
119	2015/09/17	12:22:20	54.4	277791.1	67.6	55.2	54.2
120	2015/09/17	12:22:25	54.9	308916.2	67.5	55.5	54.2
121	2015/09/17	12:22:30	55.3	342709.3	68.2	55.6	55.0
122	2015/09/17	12:22:35	55.3	341383.1	68.4	56.0	54.5
123	2015/09/17	12:22:40	54.8	302532.8	74.9	55.7	54.2
124	2015/09/17	12:22:45	54.0	251005.1	70.2	55.3	53.4
125	2015/09/17	12:22:50	60.2	1050901	77.1	61.5	55.1
126	2015/09/17	12:22:55	61.6	1447397	83.7	62.8	59.3
127	2015/09/17	12:23:00	55.7	369466.5	71.4	60.6	54.9
128	2015/09/17	12:23:05	54.0	251661.7	73.8	54.9	53.8
129	2015/09/17	12:23:10	54.5	282886.7	66.6	54.8	54.0
130	2015/09/17	12:23:15	55.0	318501.1	74.3	56.9	53.7
131	2015/09/17	12:23:20	53.7	236702.9	66.6	56.0	53.7
132	2015/09/17	12:23:25	54.9	308092.7	70.5	55.9	53.6
133	2015/09/17	12:23:30	61.3	1343839	85.6	64.7	55.8
134	2015/09/17	12:23:35	78.5	70621423	95.8	80.1	64.8
135	2015/09/17	12:23:40	74.6	28935509	96.4	80.3	66.4
136	2015/09/17	12:23:45	55.0	312772.5	68.4	66.4	54.6
137	2015/09/17	12:23:50	54.2	260587.4	67.0	54.7	53.7
138	2015/09/17	12:23:55	54.4	277563.5	67.1	54.8	54.0
139	2015/09/17	12:24:00	57.2	521895.4	83.9	60.6	54.6
140	2015/09/17	12:24:05	55.0	319548.8	69.1	55.7	54.7
141	2015/09/17	12:24:10	53.7	234631.8	66.6	54.8	53.3
142	2015/09/17	12:24:15	55.1	321681.2	69.1	56.7	53.3
143	2015/09/17	12:24:20	57.2	524646.2	75.7	58.6	55.3
144	2015/09/17	12:24:25	54.3	271781.4	68.7	56.3	53.0
145	2015/09/17	12:24:30	51.9	155693	72.1	53.0	51.8
146	2015/09/17	12:24:35	51.6	143267.7	66.6	51.9	51.4
147	2015/09/17	12:24:40	51.7	147725.8	67.0	52.1	51.3
148	2015/09/17	12:24:45	51.6	145927.2	71.5	52.3	51.2
149	2015/09/17	12:24:50	52.5	178919.8	69.2	53.1	51.3
150	2015/09/17	12:24:55	52.1	163183.6	69.0	52.8	51.5
151	2015/09/17	12:25:00	52.3	168658.6	67.4	53.0	52.0
152	2015/09/17	12:25:05	52.9	195415.1	65.5	53.3	52.2
153	2015/09/17	12:25:10	53.0	197341.1	65.8	53.2	52.7
154	2015/09/17	12:25:15	53.2	210814.6	73.7	54.0	52.8
155	2015/09/17	12:25:20	52.2	167301.6	65.4	53.2	52.0
156	2015/09/17	12:25:25	52.7	185842.4	66.1	53.4	52.0
157	2015/09/17	12:25:30	52.5	178001.2	65.2	53.4	52.0
158	2015/09/17	12:25:35	53.3	216006.4	66.6	55.0	52.0
159	2015/09/17	12:25:40	52.3	170689.3	66.1	52.7	51.9
160	2015/09/17	12:25:45	52.0	157013.4	67.1	52.4	51.5
161	2015/09/17	12:25:50	53.5	226017.3	67.3	53.7	52.4
162	2015/09/17	12:25:55	53.2	208725.5	68.2	53.7	53.0
163	2015/09/17	12:26:00	52.8	191704.4	65.6	53.0	52.7
164	2015/09/17	12:26:05	52.4	175516.2	65.3	53.0	52.2
165	2015/09/17	12:26:10	54.3	267732.1	69.0	54.8	52.3
166	2015/09/17	12:26:15	52.5	177198.5	65.5	54.1	52.1
167	2015/09/17	12:26:20	52.9	194522	70.3	53.7	52.5
168	2015/09/17	12:26:25	53.2	210446.9	68.7	53.8	52.6
169	2015/09/17	12:26:30	52.3	168383.3	65.5	52.8	52.2
170	2015/09/17	12:26:35	52.9	194967.4	66.1	53.7	52.0
171	2015/09/17	12:26:40	52.9	197087.8	65.8	53.4	52.7
172	2015/09/17	12:26:45	53.0	201221.6	67.3	53.8	52.3
173	2015/09/17	12:26:50	54.9	307405.8	67.9	55.7	53.7
174	2015/09/17	12:26:55	58.3	681306.8	72.8	60.0	55.7
175	2015/09/17	12:27:00	53.9	245791.6	67.0	57.2	53.4
176	2015/09/17	12:27:05	52.8	190317	67.3	53.5	52.5
177	2015/09/17	12:27:10	52.7	185057.9	66.7	53.0	52.5
178	2015/09/17	12:27:15	54.5	283540.9	76.2	55.7	52.4
179	2015/09/17	12:27:20	52.3	171727.1	66.0	54.9	52.2
180	2015/09/17	12:27:25	53.2	207023.9	76.9	53.7	52.1
181	2015/09/17	12:27:30	53.3	215105.5	70.5	53.8	52.9
182	2015/09/17	12:27:35	53.3	212987.6	65.5	53.6	52.7

ATTACHMENT 2

FHWA Existing and Future Vehicle Traffic Contour Distance Calculations

FHWA RD-77-108

Traffic Noise Prediction Model

Data Input Sheet

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : Existing

Surface Refelction: CNEL
Assessment Metric: Hard
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment From	Segment To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	Phyllis Place	Abbotshill Road	I-805 SB Ramps	2,270	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
2	Sea World Drive	Mission Bay Parkway	Friars Road	34,200	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
3	Sea World Drive	Friars Road	I-5 SB Ramps	29,490	40	50	96.00	3.00	1.00	80.00	10.00	10.00	
4	Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	30,470	40	50	96.00	3.00	1.00	80.00	10.00	10.00	
5	Tecolote Road	I-5 NB Ramps	Morena Boulevard	22,410	35	50	96.00	3.00	1.00	80.00	10.00	10.00	
6	Mission Valley Road	Metropolitan Drive	Mission Center Road	7,440	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
7	Civita Boulevard	Mission Center Road	Qualcomm Way	2,480	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
8	Westside Drive	Mission Center Road	Via Alta	4,070	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
9	Friars Road	Sea World Drive	Napa Street	13,650	55	50	96.00	3.00	1.00	80.00	10.00	10.00	
10	Friars Road	Napa Street	Colusa Street	19,170	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
11	Friars Road	Colusa Street	Via Las Cumbres	19,200	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
12	Friars Road	Via Las Cumbres	Fashion Valley Road	22,270	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
13	Friars Road	Fashion Valley Road	Via De La Moda	26,100	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
14	Friars Road	Via De La Moda	Fashion Valley Driveway	25,920	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
15	Friars Road	Fashion Valley Driveway	Avenida De Las Tiendas	26,830	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
16	Friars Road	Avenida De Las Tiendas	Ulric Street/SR-163 SB Ramps	40,510	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
17	Friars Road	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	53,170	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
18	Friars Road	SR-163 NB Ramps	Frazee Road	54,150	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
19	Friars Road	Frazee Road	Mission Center Road	42,780	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
20	Friars Road	Mission Center Road	Qualcomm Way	37,050	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
21	Friars Road	Qualcomm Way	River Run Drive	33,250	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
22	Friars Road	River Run Drive	Fenton Parkway	22,080	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
23	Friars Road	Fenton Parkway	Northside Drive	28,430	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
24	Friars Road	Northside Drive	San Diego Mission Road	45,330	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
25	Friars Road	San Diego Mission Road	I-15 SB Ramps	57,740	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
26	Friars Road	I-15 SB Ramps	I-15 NB Ramps	46,570	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
27	Friars Road	I-15 NB Ramps	Rancho Mission Road	51,610	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
28	Friars Road	Rancho Mission Road	Santo Road	39,430	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
29	Friars Road	Santo Road	Riverdale Street	43,380	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
30	Friars Road	Riverdale Street	Mission Gorge Road	31,300	45	50	96.00	3.00	1.00	80.00	10.00	10.00	

31	Mission Gorge Road	Friars Road	Zion Avenue	40,690	45	50	96.00	3.00	1.00	80.00	10.00	10.00
32	Hazard Center Drive	Western Terminus	Mission Center Road	8,710	35	50	96.00	3.00	1.00	80.00	10.00	10.00
33	Rio San Diego Drive	Gill Village Way	Qualcomm Way	10,500	40	50	96.00	3.00	1.00	80.00	10.00	10.00
34	Rio San Diego Drive	Qualcomm Way	River Run Drive	11,280	40	50	96.00	3.00	1.00	80.00	10.00	10.00
35	Rio San Diego Drive	River Run Drive	Fenton Parkway	9,090	40	50	96.00	3.00	1.00	80.00	10.00	10.00
36	San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	7,590	40	50	96.00	3.00	1.00	80.00	10.00	10.00
37	San Diego Mission Road	Rancho Mission Road	950 Feet West of Fairmount Avenue	8,020	35	50	96.00	3.00	1.00	80.00	10.00	10.00
38	San Diego Mission Road	950 Feet West of Fairmount Avenue	Fairmount Avenue	8,020	35	50	96.00	3.00	1.00	80.00	10.00	10.00
39	Taylor Street	Pacific Highway	Morena Boulevard	19,060	35	50	96.00	3.00	1.00	80.00	10.00	10.00
40	Taylor Street	Morena Boulevard	I-8 EB Ramps	17,750	35	50	96.00	3.00	1.00	80.00	10.00	10.00
41	Taylor Street	I-8 EB Ramps	Hotel Circle South	14,410	35	50	96.00	3.00	1.00	80.00	10.00	10.00
42	Hotel Circle North	Hotel Circle South	Hotel Circle Place	15,340	35	50	96.00	3.00	1.00	80.00	10.00	10.00
43	Hotel Circle North	Hotel Circle Place	I-8 WB Ramps	6,510	35	50	96.00	3.00	1.00	80.00	10.00	10.00
44	Hotel Circle North	I-8 WB Ramps	Fashion Valley Road	15,510	40	50	96.00	3.00	1.00	80.00	10.00	10.00
45	Hotel Circle North	Fashion Valley Road	Camino De La Reina	12,460	40	50	96.00	3.00	1.00	80.00	10.00	10.00
46	Camino De La Reina	Hotel Circle North	Avenida Del Rio	8,480	25	50	96.00	3.00	1.00	80.00	10.00	10.00
47	Camino De La Reina	Avenida Del Rio	Camino De La Siesta	13,360	30	50	96.00	3.00	1.00	80.00	10.00	10.00
48	Camino De La Reina	Camino De La Siesta	Mission Center Road	10,730	30	50	96.00	3.00	1.00	80.00	10.00	10.00
49	Camino De La Reina	Mission Center Road	Camino Del Este	18,530	30	50	96.00	3.00	1.00	80.00	10.00	10.00
50	Camino De La Reina	Camino Del Este	Qualcomm Way	13,770	30	50	96.00	3.00	1.00	80.00	10.00	10.00
51	Camino Del Rio North	Camino De La Siesta	Mission Center Road	5,430	35	50	96.00	3.00	1.00	80.00	10.00	10.00
52	Camino Del Rio North	Mission Center Road	I-8 WB Ramps	24,030	35	50	96.00	3.00	1.00	80.00	10.00	10.00
53	Camino Del Rio North	I-8 WB Ramps	Camino Del Este	11,910	35	50	96.00	3.00	1.00	80.00	10.00	10.00
54	Camino Del Rio North	Camino Del Este	Qualcomm Way	12,180	35	50	96.00	3.00	1.00	80.00	10.00	10.00
55	Camino Del Rio North	Qualcomm Way	Mission City Parkway	10,590	45	50	96.00	3.00	1.00	80.00	10.00	10.00
56	Camino Del Rio North	Mission City Parkway	800 Feet East of Mission City Parkway	8,080	30	50	96.00	3.00	1.00	80.00	10.00	10.00
57	Camino Del Rio North	800 Feet East of Mission City Parkway	1800 Feet West of Ward Road	8,060	45	50	96.00	3.00	1.00	80.00	10.00	10.00
58	Camino Del Rio North	1800 Feet West of Ward Road	Ward Road	8,920	45	50	96.00	3.00	1.00	80.00	10.00	10.00
59	Camino Del Rio North	Ward Road	1000 Feet West of Fairmount Avenue	11,830	45	50	96.00	3.00	1.00	80.00	10.00	10.00
60	Camino Del Rio North	1000 Feet West of Fairmount Avenue	Fairmount Avenue	13,470	45	50	96.00	3.00	1.00	80.00	10.00	10.00
61	Hotel Circle South	Hotel Circle North	1200 Feet East of Hotel Circle North	12,010	35	50	96.00	3.00	1.00	80.00	10.00	10.00
62	Hotel Circle South	1200 Feet East of Hotel Circle North	I-8 EB Ramps	12,340	35	50	96.00	3.00	1.00	80.00	10.00	10.00
63	Hotel Circle South	I-8 EB Ramps	Bachman Place	17,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
64	Hotel Circle South	Bachman Place	Hotel Circle North	15,580	35	50	96.00	3.00	1.00	80.00	10.00	10.00
65	Camino Del Rio South	Western Terminus	1800 Feet west of Mission Center Road	7,330	25	50	96.00	3.00	1.00	80.00	10.00	10.00
66	Camino Del Rio South	1800 Feet west of Mission Center Road	Mission Center Road	6,870	35	50	96.00	3.00	1.00	80.00	10.00	10.00
67	Camino Del Rio South	Mission Center Road	Texas Street	7,410	35	50	96.00	3.00	1.00	80.00	10.00	10.00
68	Camino Del Rio South	Texas Street	Mission City Parkway	8,140	35	50	96.00	3.00	1.00	80.00	10.00	10.00
69	Camino Del Rio South	Mission City Parkway	I-15 SB Offramp	11,750	45	50	96.00	3.00	1.00	80.00	10.00	10.00
70	Camino Del Rio South	I-15 SB Offramp	I-15 SB Onramp	9,580	40	50	96.00	3.00	1.00	80.00	10.00	10.00
71	Camino Del Rio South	I-15 SB Onramp	Fairmount Avenue	6,370	40	50	96.00	3.00	1.00	80.00	10.00	10.00
72	Morena Boulevard	Tecolote Road	West Morena Boulevard	16,180	35	50	96.00	3.00	1.00	80.00	10.00	10.00
73	Morena Boulevard	West Morena Boulevard	Linda Vista Road	17,740	40	50	96.00	3.00	1.00	80.00	10.00	10.00
74	Morena Boulevard	Linda Vista Road	I-8 WB Offramp	41,930	40	50	96.00	3.00	1.00	80.00	10.00	10.00
75	Morena Boulevard	I-8 WB Offramp	Taylor Street	11,570	35	50	96.00	3.00	1.00	80.00	10.00	10.00
76	Napa Street	Morena Boulevard	Friars Road	13,430	25	50	96.00	3.00	1.00	80.00	10.00	10.00
77	Colusa Street	Linda Vista Road	Friars Road	2,720	25	50	96.00	3.00	1.00	80.00	10.00	10.00
78	Via Las Cumbres	Linda Vista Road	Friars Road	10,920	35	50	96.00	3.00	1.00	80.00	10.00	10.00
79	Fashion Valley Road	Friars Road	Hotel Circle North	9,980	35	50	96.00	3.00	1.00	80.00	10.00	10.00
80	Bachman Place	Hotel Circle South	Lewis Street	9,140	40	50	96.00	3.00	1.00	80.00	10.00	10.00
81	Avenida Del Rio	Fashion Valley Parking Lot	Camino De La Reina	8,740	35	50	96.00	3.00	1.00	80.00	10.00	10.00
82	Ulric Street	Fashion Hills Boulevard	600 Feet South of Fashion Hills Boulevard	20,380	40	50	96.00	3.00	1.00	80.00	10.00	10.00

83	Ulric Street	600 Feet South of Fashion Hills Boulevard	Friars Road	20,430	40	50	96.00	3.00	1.00	80.00	10.00	10.00
84	Camino De La Siesta	Camino De La Reina	Camino Del Rio North	5,150	25	50	96.00	3.00	1.00	80.00	10.00	10.00
85	Metropolitan Drive	Mission Valley Road	Murray Canyon Road	3,840	25	50	96.00	3.00	1.00	80.00	10.00	10.00
86	Murray Canyon Road	Metropolitan Drive	Frazee Road	7,400	30	50	96.00	3.00	1.00	80.00	10.00	10.00
87	Frazee Road	Murray Canyon Road	Friars Road	14,670	30	50	96.00	3.00	1.00	80.00	10.00	10.00
88	Frazee Road	Friars Road	Hazard Center Drive	17,050	30	50	96.00	3.00	1.00	80.00	10.00	10.00
89	Mission Center Road	Murray Ridge Road	1200 Feet West of Murray Ridge Road	10,970	45	50	96.00	3.00	1.00	80.00	10.00	10.00
90	Mission Center Road	1200 Feet West of Murray Ridge Road	950 Feet North of Mission Valley Road	10,720	45	50	96.00	3.00	1.00	80.00	10.00	10.00
91	Mission Center Road	950 Feet North of Mission Valley Road	Mission Valley Road	10,940	40	50	96.00	3.00	1.00	80.00	10.00	10.00
92	Mission Center Road	Mission Valley Road	Westside Drive	14,170	40	50	96.00	3.00	1.00	80.00	10.00	10.00
93	Mission Center Road	Westside Drive	Friars Road WB Ramps	26,020	40	50	96.00	3.00	1.00	80.00	10.00	10.00
94	Mission Center Road	Friars Road WB Ramps	Friars Road EB Ramps	22,830	40	50	96.00	3.00	1.00	80.00	10.00	10.00
95	Mission Center Road	Friars Road EB Ramps	Mission Center Court	19,470	40	50	96.00	3.00	1.00	80.00	10.00	10.00
96	Mission Center Road	Mission Center Court	Hazard Center Drive	19,450	40	50	96.00	3.00	1.00	80.00	10.00	10.00
97	Mission Center Road	Hazard Center Drive	Camino De La Reina	27,060	40	50	96.00	3.00	1.00	80.00	10.00	10.00
98	Mission Center Road	Camino De La Reina	Camino Del Rio North	23,280	40	50	96.00	3.00	1.00	80.00	10.00	10.00
99	Auto Circle	Camino Del Rio North	I-8 EB Ramps	34,100	40	50	96.00	3.00	1.00	80.00	10.00	10.00
100	Auto Circle	I-8 EB Ramps	Camino Del Rio South	20,980	40	50	96.00	3.00	1.00	80.00	10.00	10.00
101	Via Alta	Westside Drive	Franklin Ridge Road	1,340	25	50	96.00	3.00	1.00	80.00	10.00	10.00
102	Murray Ridge Road	Mission Center Road	I-805 NB Ramps	20,000	35	50	96.00	3.00	1.00	80.00	10.00	10.00
103	Murray Ridge Road	I-805 NB Ramps	I-805 SB Ramps	11,700	35	50	96.00	3.00	1.00	80.00	10.00	10.00
104	Russell Park Way	Friars Road	Civita Boulevard	1,020	30	50	96.00	3.00	1.00	80.00	10.00	10.00
105	Camino Del Este	Rio San Diego Drive	Camino De La Reina	8,450	35	50	96.00	3.00	1.00	80.00	10.00	10.00
106	Camino Del Este	Camino De La Reina	Camino Del Rio North	9,880	25	50	96.00	3.00	1.00	80.00	10.00	10.00
107	Qualcomm Way	Friars Road WB Ramps	Friars Road EB Ramps	9,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
108	Qualcomm Way	Friars Road EB Ramps	Rio San Diego Drive	10,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
109	Qualcomm Way	Rio San Diego Drive	Camino Del Rio North	24,330	35	50	96.00	3.00	1.00	80.00	10.00	10.00
110	Qualcomm Way	Camino Del Rio North	I-8 WB Ramps	23,560	35	50	96.00	3.00	1.00	80.00	10.00	10.00
111	Qualcomm Way	I-8 WB Ramps	I-8 EB Ramps	36,410	35	50	96.00	3.00	1.00	80.00	10.00	10.00
112	Qualcomm Way	I-8 EB Ramps	Camino Del Rio South	25,830	35	50	96.00	3.00	1.00	80.00	10.00	10.00
113	Texas Street	Camino Del Rio South	1400 Feet North of Madison Ave	29,050	40	50	96.00	3.00	1.00	80.00	10.00	10.00
114	Texas Street	1400 Feet North of Madison Ave	Madison Avenue	29,240	40	50	96.00	3.00	1.00	80.00	10.00	10.00
115	Texas Street	Madison Avenue	Meade Ave	17,090	25	50	96.00	3.00	1.00	80.00	10.00	10.00
116	Texas Street	Meade Ave	El Cajon Boulevard	14,310	25	50	96.00	3.00	1.00	80.00	10.00	10.00
117	River Run Drive	Friars Road	Rio San Diego Drive	4,030	25	50	96.00	3.00	1.00	80.00	10.00	10.00
118	Fenton Parkway	Portofino Driveway	Friars Road	4,120	25	50	96.00	3.00	1.00	80.00	10.00	10.00
119	Fenton Parkway	Friars Road	Rio San Diego Drive	12,610	30	50	96.00	3.00	1.00	80.00	10.00	10.00
120	Fenton Parkway	Rio San Diego Drive	Del Rio Apartments Driveway	5,400	30	50	96.00	3.00	1.00	80.00	10.00	10.00
121	Mission City Parkway	Camino Del Rio North	Camino Del Rio South	6,430	35	50	96.00	3.00	1.00	80.00	10.00	10.00
122	Northside Drive	Portofino Driveway	Friars Road	6,590	25	50	96.00	3.00	1.00	80.00	10.00	10.00
123	Northside Drive	Friars Road	Fenton Marketplace Driveway	20,310	30	50	96.00	3.00	1.00	80.00	10.00	10.00
124	Northside Drive	Fenton Marketplace Driveway	Lowe's Frontage Road	15,890	30	50	96.00	3.00	1.00	80.00	10.00	10.00
125	Mission Village Drive	Ronda Avenue	Friars Road WB Ramps	17,220	45	50	96.00	3.00	1.00	80.00	10.00	10.00
126	Mission Village Drive	Friars Road WB Ramps	Friars Road EB Ramps	13,660	45	50	96.00	3.00	1.00	80.00	10.00	10.00
127	Rancho Mission Road	Friars Road	San Diego Mission Road	12,820	35	50	96.00	3.00	1.00	80.00	10.00	10.00
128	Ward Road	San Diego Mission Road	Camino Del Rio North	9,580	35	50	96.00	3.00	1.00	80.00	10.00	10.00
129	Santo Road	Northern Terminus	Friars Road	6,360	30	50	96.00	3.00	1.00	80.00	10.00	10.00
130	Riverdale Street	Zion Road	Friars Road	2,770	30	50	96.00	3.00	1.00	80.00	10.00	10.00
131	Riverdale Street	Friars Road	Vandever Avenue	8,900	30	50	96.00	3.00	1.00	80.00	10.00	10.00
132	Mission Gorge Road	Friars Road	Camino Del Rio North	14,710	30	50	96.00	3.00	1.00	80.00	10.00	10.00
133	Fairmount Avenue	Camino Del Rio North/I-8 WB Offramp	I-8 EB Offramp	40,210	35	50	96.00	3.00	1.00	80.00	10.00	10.00
134	Fairmount Avenue	I-8 EB Offramp	Camino Del Rio South	82,880	35	50	96.00	3.00	1.00	80.00	10.00	10.00

FHWA RD-77-108
Traffic Noise Prediction Model
Predicted Noise Levels

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : Existing
Assessment Metric: Hard

				Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
Segment	Roadway	From	To	Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Phyllis Place	Abbotshill Road	I-805 SB Ramps	53.3	49.8	52.7	57.0	1	3	8	25	79	251
2	Sea World Drive	Mission Bay Parkway	Friars Road	73.7	66.3	65.8	75.0	50	158	500	1,581	5,000	15,811
3	Sea World Drive	Friars Road	I-5 SB Ramps	70.3	64.2	64.2	72.0	25	79	251	792	2,506	7,924
4	Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	70.4	64.3	64.4	72.2	26	83	262	830	2,624	8,298
5	Tecolote Road	I-5 NB Ramps	Morena Boulevard	67.4	62.1	62.5	69.5	14	45	141	446	1,409	4,456
6	Mission Valley Road	Metropolitan Drive	Mission Center Road	58.4	55.0	57.9	62.1	3	8	26	81	256	811
7	Civita Boulevard	Mission Center Road	Qualcomm Way	53.7	50.2	53.1	57.3	1	3	8	27	85	269
8	Westside Drive	Mission Center Road	Via Alta	55.8	52.4	55.2	59.5	1	4	14	45	141	446
9	Friars Road	Sea World Drive	Napa Street	70.9	63.0	62.1	72.0	25	79	251	792	2,506	7,924
10	Friars Road	Napa Street	Colusa Street	69.9	63.1	62.8	71.4	22	69	218	690	2,183	6,902
11	Friars Road	Colusa Street	Via Las Cumbres	69.9	63.1	62.8	71.4	22	69	218	690	2,183	6,902
12	Friars Road	Via Las Cumbres	Fashion Valley Road	70.5	63.7	63.5	72.0	25	79	251	792	2,506	7,924
13	Friars Road	Fashion Valley Road	Via De La Moda	71.2	64.4	64.2	72.7	29	93	294	931	2,944	9,310
14	Friars Road	Via De La Moda	Fashion Valley Driveway	71.2	64.4	64.1	72.7	29	93	294	931	2,944	9,310
15	Friars Road	Fashion Valley Driveway	Avenida De Las Tiendas	71.4	64.6	64.3	72.8	30	95	301	953	3,013	9,527
16	Friars Road	Avenida De Las Tiendas	Ulric Street/SR-163 SB Ramps	73.1	66.3	66.1	74.6	46	144	456	1,442	4,560	14,420
17	Friars Road	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	74.3	67.5	67.3	75.8	60	190	601	1,901	6,011	19,009
18	Friars Road	SR-163 NB Ramps	Frazee Road	74.4	67.6	67.3	75.9	62	195	615	1,945	6,151	19,452
19	Friars Road	Frazee Road	Mission Center Road	74.7	67.3	66.7	76.0	63	199	629	1,991	6,295	19,905
20	Friars Road	Mission Center Road	Qualcomm Way	74.1	66.7	66.1	75.4	55	173	548	1,734	5,482	17,337
21	Friars Road	Qualcomm Way	River Run Drive	73.6	66.2	65.6	74.9	49	155	489	1,545	4,886	15,451
22	Friars Road	River Run Drive	Fenton Parkway	71.8	64.4	63.9	73.1	32	102	323	1,021	3,228	10,209
23	Friars Road	Fenton Parkway	Northside Drive	72.9	65.5	65.0	74.2	42	132	416	1,315	4,159	13,151
24	Friars Road	Northside Drive	San Diego Mission Road	75.0	67.5	67.0	76.2	66	208	659	2,084	6,591	20,843
25	Friars Road	San Diego Mission Road	I-15 SB Ramps	76.0	68.6	68.0	77.3	85	269	849	2,685	8,491	26,852
26	Friars Road	I-15 SB Ramps	I-15 NB Ramps	73.8	67.0	66.7	75.2	52	166	524	1,656	5,236	16,557
27	Friars Road	I-15 NB Ramps	Rancho Mission Road	74.2	67.4	67.1	75.7	59	186	587	1,858	5,874	18,577
28	Friars Road	Rancho Mission Road	Santo Road	73.0	66.2	66.0	74.5	45	141	446	1,409	4,456	14,092
29	Friars Road	Santo Road	Riverdale Street	73.4	66.6	66.4	74.9	49	155	489	1,545	4,886	15,451
30	Friars Road	Riverdale Street	Mission Gorge Road	72.0	65.2	65.0	73.5	35	112	354	1,119	3,540	11,194

31	Mission Gorge Road	Friars Road	Zion Avenue	73.2	66.4	66.1	74.6	46	144	456	1,442	4,560	14,420
32	Hazard Center Drive	Western Terminus	Mission Center Road	63.3	58.0	58.4	65.4	5	17	55	173	548	1,734
33	Rio San Diego Drive	Gill Village Way	Qualcomm Way	65.8	59.7	59.7	67.5	9	28	89	281	889	2,812
34	Rio San Diego Drive	Qualcomm Way	River Run Drive	66.1	60.0	60.0	67.9	10	31	97	308	975	3,083
35	Rio San Diego Drive	River Run Drive	Fenton Parkway	65.2	59.1	59.1	66.9	8	24	77	245	774	2,449
36	San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	64.4	58.3	58.3	66.1	6	20	64	204	644	2,037
37	San Diego Mission Road	Rancho Mission Road	950 Feet West of Fairmount Avenue	63.0	57.6	58.0	65.0	5	16	50	158	500	1,581
38	San Diego Mission Road	950 Feet West of Fairmount Avenue	Fairmount Avenue	63.0	57.6	58.0	65.0	5	16	50	158	500	1,581
39	Taylor Street	Pacific Highway	Morena Boulevard	66.7	61.4	61.8	68.8	12	38	120	379	1,199	3,793
40	Taylor Street	Morena Boulevard	I-8 EB Ramps	66.4	61.1	61.5	68.5	11	35	112	354	1,119	3,540
41	Taylor Street	I-8 EB Ramps	Hotel Circle South	65.5	60.2	60.6	67.6	9	29	91	288	910	2,877
42	Hotel Circle North	Hotel Circle South	Hotel Circle Place	65.8	60.4	60.9	67.9	10	31	97	308	975	3,083
43	Hotel Circle North	Hotel Circle Place	I-8 WB Ramps	62.1	56.7	57.1	64.1	4	13	41	129	406	1,285
44	Hotel Circle North	I-8 WB Ramps	Fashion Valley Road	67.5	61.4	61.4	69.2	13	42	132	416	1,315	4,159
45	Hotel Circle North	Fashion Valley Road	Camino De La Reina	66.6	60.4	60.5	68.3	11	34	107	338	1,069	3,380
46	Camino De La Reina	Hotel Circle North	Avenida Del Rio	59.0	55.6	58.4	62.7	3	9	29	93	294	931
47	Camino De La Reina	Avenida Del Rio	Camino De La Siesta	63.3	58.8	61.1	66.2	7	21	66	208	659	2,084
48	Camino De La Reina	Camino De La Siesta	Mission Center Road	62.3	57.8	60.2	65.3	5	17	54	169	536	1,694
49	Camino De La Reina	Mission Center Road	Camino Del Este	64.7	60.2	62.6	67.6	9	29	91	288	910	2,877
50	Camino De La Reina	Camino Del Este	Qualcomm Way	63.4	58.9	61.3	66.3	7	21	67	213	674	2,133
51	Camino Del Rio North	Camino De La Siesta	Mission Center Road	61.3	55.9	56.3	63.3	3	11	34	107	338	1,069
52	Camino Del Rio North	Mission Center Road	I-8 WB Ramps	67.7	62.4	62.8	69.8	15	48	151	477	1,510	4,775
53	Camino Del Rio North	I-8 WB Ramps	Camino Del Este	64.7	59.3	59.8	66.8	8	24	76	239	757	2,393
54	Camino Del Rio North	Camino Del Este	Qualcomm Way	64.8	59.4	59.8	66.9	8	24	77	245	774	2,449
55	Camino Del Rio North	Qualcomm Way	Mission City Parkway	67.3	60.5	60.2	68.8	12	38	120	379	1,199	3,793
56	Camino Del Rio North	Mission City Parkway	800 Feet East of Mission City Parkway	61.1	56.6	59.0	64.0	4	13	40	126	397	1,256
57	Camino Del Rio North	800 Feet East of Mission City Parkway	1800 Feet West of Ward Road	66.1	59.3	59.1	67.6	9	29	91	288	910	2,877
58	Camino Del Rio North	1800 Feet West of Ward Road	Ward Road	66.6	59.8	59.5	68.1	10	32	102	323	1,021	3,228
59	Camino Del Rio North	Ward Road	1000 Feet West of Fairmount Avenue	67.8	61.0	60.7	69.3	13	43	135	426	1,346	4,256
60	Camino Del Rio North	1000 Feet West of Fairmount Avenue	Fairmount Avenue	68.4	61.6	61.3	69.8	15	48	151	477	1,510	4,775
61	Hotel Circle South	Hotel Circle North	1200 Feet East of Hotel Circle North	64.7	59.4	59.8	66.8	8	24	76	239	757	2,393
62	Hotel Circle South	1200 Feet East of Hotel Circle North	I-8 EB Ramps	64.8	59.5	59.9	66.9	8	24	77	245	774	2,449
63	Hotel Circle South	I-8 EB Ramps	Bachman Place	66.3	60.9	61.3	68.4	11	35	109	346	1,094	3,459
64	Hotel Circle South	Bachman Place	Hotel Circle North	65.9	60.5	60.9	67.9	10	31	97	308	975	3,083
65	Camino Del Rio South	Western Terminus	1800 Feet west of Mission Center Road	58.4	54.9	57.8	62.0	3	8	25	79	251	792
66	Camino Del Rio South	1800 Feet west of Mission Center Road	Mission Center Road	62.3	56.9	57.4	64.4	4	14	44	138	435	1,377
67	Camino Del Rio South	Mission Center Road	Texas Street	62.6	57.3	57.7	64.7	5	15	47	148	467	1,476
68	Camino Del Rio South	Texas Street	Mission City Parkway	63.0	57.7	58.1	65.1	5	16	51	162	512	1,618
69	Camino Del Rio South	Mission City Parkway	I-15 SB Offramp	67.8	61.0	60.7	69.2	13	42	132	416	1,315	4,159
70	Camino Del Rio South	I-15 SB Offramp	I-15 SB Onramp	65.4	59.3	59.3	67.1	8	26	81	256	811	2,564
71	Camino Del Rio South	I-15 SB Onramp	Fairmount Avenue	63.6	57.5	57.6	65.4	5	17	55	173	548	1,734
72	Morena Boulevard	Tecolote Road	West Morena Boulevard	66.0	60.7	61.1	68.1	10	32	102	323	1,021	3,228
73	Morena Boulevard	West Morena Boulevard	Linda Vista Road	68.1	62.0	62.0	69.8	15	48	151	477	1,510	4,775
74	Morena Boulevard	Linda Vista Road	I-8 WB Offramp	71.8	65.7	65.8	73.6	36	115	362	1,145	3,622	11,454
75	Morena Boulevard	I-8 WB Offramp	Taylor Street	64.6	59.2	59.6	66.6	7	23	72	229	723	2,285
76	Napa Street	Morena Boulevard	Friars Road	61.0	57.6	60.4	64.7	5	15	47	148	467	1,476
77	Colusa Street	Linda Vista Road	Friars Road	54.1	50.6	53.5	57.7	1	3	9	29	93	294
78	Via Las Cumbres	Linda Vista Road	Friars Road	64.3	58.9	59.4	66.4	7	22	69	218	690	2,183
79	Fashion Valley Road	Friars Road	Hotel Circle North	63.9	58.6	59.0	66.0	6	20	63	199	629	1,991
80	Bachman Place	Hotel Circle South	Lewis Street	65.2	59.1	59.1	66.9	8	24	77	245	774	2,449
81	Avenida Del Rio	Fashion Valley Parking Lot	Camino De La Reina	63.3	58.0	58.4	65.4	5	17	55	173	548	1,734
82	Ulric Street	Fashion Hills Boulevard	600 Feet South of Fashion Hills Boulevard	68.7	62.6	62.6	70.4	17	55	173	548	1,734	5,482

83	Ulric Street	600 Feet South of Fashion Hills Boulevard	Friars Road	68.7	62.6	62.6	70.4	17	55	173	548	1,734	5,482
84	Camino De La Siesta	Camino De La Reina	Camino Del Rio North	56.8	53.4	56.3	60.5	2	6	18	56	177	561
85	Metropolitan Drive	Mission Valley Road	Murray Canyon Road	55.6	52.1	55.0	59.2	1	4	13	42	132	416
86	Murray Canyon Road	Metropolitan Drive	Frazee Road	60.7	56.2	58.6	63.6	4	11	36	115	362	1,145
87	Frazee Road	Murray Canyon Road	Friars Road	63.7	59.2	61.5	66.6	7	23	72	229	723	2,285
88	Frazee Road	Friars Road	Hazard Center Drive	64.3	59.8	62.2	67.3	8	27	85	269	849	2,685
89	Mission Center Road	Murray Ridge Road	1200 Feet West of Murray Ridge Road	67.5	60.7	60.4	69.0	13	40	126	397	1,256	3,972
90	Mission Center Road	1200 Feet West of Murray Ridge Road	950 Feet North of Mission Valley Road	67.4	60.6	60.3	68.9	12	39	123	388	1,227	3,881
91	Mission Center Road	950 Feet North of Mission Valley Road	Mission Valley Road	66.0	59.9	59.9	67.7	9	29	93	294	931	2,944
92	Mission Center Road	Mission Valley Road	Westside Drive	67.1	61.0	61.0	68.8	12	38	120	379	1,199	3,793
93	Mission Center Road	Westside Drive	Friars Road WB Ramps	69.8	63.6	63.7	71.5	22	71	223	706	2,233	7,063
94	Mission Center Road	Friars Road WB Ramps	Friars Road EB Ramps	69.2	63.1	63.1	70.9	19	62	195	615	1,945	6,151
95	Mission Center Road	Friars Road EB Ramps	Mission Center Court	68.5	62.4	62.4	70.2	17	52	166	524	1,656	5,236
96	Mission Center Road	Mission Center Court	Hazard Center Drive	68.5	62.4	62.4	70.2	17	52	166	524	1,656	5,236
97	Mission Center Road	Hazard Center Drive	Camino De La Reina	69.9	63.8	63.8	71.7	23	74	234	740	2,339	7,396
98	Mission Center Road	Camino De La Reina	Camino Del Rio North	69.3	63.1	63.2	71.0	20	63	199	629	1,991	6,295
99	Auto Circle	Camino Del Rio North	I-8 EB Ramps	70.9	64.8	64.9	72.7	29	93	294	931	2,944	9,310
100	Auto Circle	I-8 EB Ramps	Camino Del Rio South	68.8	62.7	62.7	70.6	18	57	182	574	1,815	5,741
101	Via Alta	Westside Drive	Franklin Ridge Road	51.0	47.6	50.4	54.7	0	1	5	15	47	148
102	Murray Ridge Road	Mission Center Road	I-805 NB Ramps	66.9	61.6	62.0	69.0	13	40	126	397	1,256	3,972
103	Murray Ridge Road	I-805 NB Ramps	I-805 SB Ramps	64.6	59.2	59.7	66.7	7	23	74	234	740	2,339
104	Russell Park Way	Friars Road	Civita Boulevard	52.1	47.6	50.0	55.0	1	2	5	16	50	158
105	Camino Del Este	Rio San Diego Drive	Camino De La Reina	63.2	57.8	58.3	65.3	5	17	54	169	536	1,694
106	Camino Del Este	Camino De La Reina	Camino Del Rio North	59.7	56.2	59.1	63.3	3	11	34	107	338	1,069
107	Qualcomm Way	Friars Road WB Ramps	Friars Road EB Ramps	63.6	58.3	58.7	65.7	6	19	59	186	587	1,858
108	Qualcomm Way	Friars Road EB Ramps	Rio San Diego Drive	64.0	58.7	59.1	66.1	6	20	64	204	644	2,037
109	Qualcomm Way	Rio San Diego Drive	Camino Del Rio North	67.8	62.4	62.9	69.9	15	49	155	489	1,545	4,886
110	Qualcomm Way	Camino Del Rio North	I-8 WB Ramps	67.7	62.3	62.7	69.7	15	47	148	467	1,476	4,666
111	Qualcomm Way	I-8 WB Ramps	I-8 EB Ramps	69.5	64.2	64.6	71.6	23	72	229	723	2,285	7,227
112	Qualcomm Way	I-8 EB Ramps	Camino Del Rio South	68.0	62.7	63.1	70.1	16	51	162	512	1,618	5,116
113	Texas Street	Camino Del Rio South	1400 Feet North of Madison Ave	70.2	64.1	64.2	72.0	25	79	251	792	2,506	7,924
114	Texas Street	1400 Feet North of Madison Ave	Madison Avenue	70.3	64.1	64.2	72.0	25	79	251	792	2,506	7,924
115	Texas Street	Madison Avenue	Meade Ave	62.0	58.6	61.5	65.7	6	19	59	186	587	1,858
116	Texas Street	Meade Ave	El Cajon Boulevard	61.3	57.8	60.7	65.0	5	16	50	158	500	1,581
117	River Run Drive	Friars Road	Rio San Diego Drive	55.8	52.3	55.2	59.4	1	4	14	44	138	435
118	Fenton Parkway	Portofino Driveway	Friars Road	55.9	52.4	55.3	59.5	1	4	14	45	141	446
119	Fenton Parkway	Friars Road	Rio San Diego Drive	63.0	58.5	60.9	66.0	6	20	63	199	629	1,991
120	Fenton Parkway	Rio San Diego Drive	Del Rio Apartments Driveway	59.3	54.8	57.2	62.3	3	8	27	85	269	849
121	Mission City Parkway	Camino Del Rio North	Camino Del Rio South	62.0	56.6	57.1	64.1	4	13	41	129	406	1,285
122	Northside Drive	Portofino Driveway	Friars Road	57.9	54.5	57.3	61.6	2	7	23	72	229	723
123	Northside Drive	Friars Road	Fenton Marketplace Driveway	65.1	60.6	63.0	68.0	10	32	100	315	998	3,155
124	Northside Drive	Fenton Marketplace Driveway	Lowe's Frontage Road	64.0	59.5	61.9	67.0	8	25	79	251	792	2,506
125	Mission Village Drive	Ronda Avenue	Friars Road WB Ramps	69.4	62.6	62.4	70.9	19	62	195	615	1,945	6,151
126	Mission Village Drive	Friars Road WB Ramps	Friars Road EB Ramps	68.4	61.6	61.4	69.9	15	49	155	489	1,545	4,886
127	Rancho Mission Road	Friars Road	San Diego Mission Road	65.0	59.6	60.1	67.1	8	26	81	256	811	2,564
128	Ward Road	San Diego Mission Road	Camino Del Rio North	63.7	58.4	58.8	65.8	6	19	60	190	601	1,901
129	Santo Road	Northern Terminus	Friars Road	60.0	55.6	57.9	63.0	3	10	32	100	315	998
130	Riverdale Street	Zion Road	Friars Road	56.4	51.9	54.3	59.4	1	4	14	44	138	435
131	Riverdale Street	Friars Road	Vandever Avenue	61.5	57.0	59.4	64.4	4	14	44	138	435	1,377
132	Mission Gorge Road	Friars Road	Camino Del Rio North	63.7	59.2	61.6	66.6	7	23	72	229	723	2,285
133	Fairmount Avenue	Camino Del Rio North/I-8 WB Offramp	I-8 EB Offramp	70.0	64.6	65.0	72.0	25	79	251	792	2,506	7,924
134	Fairmount Avenue	I-8 EB Offramp	Camino Del Rio South	73.1	67.8	68.2	75.2	52	166	524	1,656	5,236	16,557

FHWA RD-77-108

Traffic Noise Prediction Model

Data Input Sheet

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : Freeway Existing

Surface Refelction: CNEL
Assessment Metric: Soft
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment From	Segment To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	I-5	Washington Street	Old Town Avenue	203,000	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
2	I-5	Old Town Avenue	I-8	205,000	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
3	I-5	I-8	Sea World Drive	207,000	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
4	I-5	Sea World Drive	Clairemont Drive	222,000	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
5	I-8	Midway Drive	I-5	102,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
6	I-8	I-5	Morena Boulevard	134,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
7	I-8	Morena Boulevard	Hotel Circle/Taylor Street	196,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
8	I-8	Hotel Circle/Taylor Street	Hotel Circle	199,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
9	I-8	Hotel Circle	SR-163	215,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
10	I-8	SR-163	Mission Center Road	221,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
11	I-8	Mission Center Road	Texas Street	237,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
12	I-8	Texas Street	I-805	210,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
13	I-8	I-805	I-15	246,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
14	I-8	I-15	Fairmount Avenue	224,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
15	I-8	Fairmount Avenue	Waring Road	247,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
16	I-15	El Cajon Boulevard	Adams Avenue	169,000	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
17	I-15	Adams Avenue	I-8	177,000	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
18	I-15	I-8	Friars Road	217,000	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
19	I-15	Friars Road	Aero Drive	224,000	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
20	I-805	El Cajon Boulevard	Adams Avenue	192,000	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
21	I-805	Adams Avenue	I-8	213,000	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
22	I-805	I-8	Murray Ridge	203,000	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
23	I-805	Murray Ridge	Kearny Villa Road	199,000	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
24	SR-163	Washington Street	6th Avenue	130,000	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
25	SR-163	6th Avenue	I-8	162,000	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
26	SR-163	I-8	Friars Road	153,000	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
27	SR-163	Friars Road	Genesee Avenue	179,000	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
28	SR-163	Genesee Avenue	Mesa College Drive	163,000	65	50	96.50	2.70	0.80	80.00	10.00	10.00	

FHWA RD-77-108
Traffic Noise Prediction Model
Predicted Noise Levels

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : Freeway Existing
Assessment Metric: Soft

		Segment		Noise Levels, dBA Soft				Distance to Traffic Noise Level Contours, Feet					
Segment	Roadway	From	To	Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	I-5	Washington Street	Old Town Avenue	84.8	75.7	74.5	85.6	254	548	1,181	2,545	5,482	11,811
2	I-5	Old Town Avenue	I-8	84.8	75.7	74.6	85.7	258	557	1,199	2,584	5,567	11,994
3	I-5	I-8	Sea World Drive	84.8	75.8	74.6	85.7	258	557	1,199	2,584	5,567	11,994
4	I-5	Sea World Drive	Clairemont Drive	85.1	76.1	74.9	86.0	271	583	1,256	2,706	5,830	12,559
5	I-8	Midway Drive	I-5	81.8	72.1	70.0	82.5	158	341	734	1,581	3,406	7,339
6	I-8	I-5	Morena Boulevard	83.0	73.2	71.2	83.7	190	410	882	1,901	4,095	8,823
7	I-8	Morena Boulevard	Hotel Circle/Taylor Street	84.6	74.9	72.8	85.3	243	524	1,128	2,430	5,236	11,280
8	I-8	Hotel Circle/Taylor Street	Hotel Circle	84.7	75.0	72.9	85.4	247	532	1,145	2,468	5,317	11,454
9	I-8	Hotel Circle	SR-163	85.0	75.3	73.2	85.7	258	557	1,199	2,584	5,567	11,994
10	I-8	SR-163	Mission Center Road	85.2	75.4	73.4	85.8	262	565	1,218	2,624	5,653	12,180
11	I-8	Mission Center Road	Texas Street	85.5	75.7	73.7	86.1	275	592	1,275	2,748	5,920	12,754
12	I-8	Texas Street	I-805	84.9	75.2	73.1	85.6	254	548	1,181	2,545	5,482	11,811
13	I-8	I-805	I-15	85.6	75.9	73.8	86.3	283	610	1,315	2,833	6,104	13,151
14	I-8	I-15	Fairmount Avenue	85.2	75.5	73.4	85.9	266	574	1,237	2,665	5,741	12,368
15	I-8	Fairmount Avenue	Waring Road	85.6	75.9	73.8	86.3	283	610	1,315	2,833	6,104	13,151
16	I-15	El Cajon Boulevard	Adams Avenue	83.9	74.7	74.5	84.9	229	492	1,061	2,285	4,924	10,608
17	I-15	Adams Avenue	I-8	84.2	74.9	74.7	85.1	236	508	1,094	2,357	5,077	10,939
18	I-15	I-8	Friars Road	85.0	75.8	75.6	86.0	271	583	1,256	2,706	5,830	12,559
19	I-15	Friars Road	Aero Drive	85.2	76.0	75.8	86.1	275	592	1,275	2,748	5,920	12,754
20	I-805	El Cajon Boulevard	Adams Avenue	84.4	77.0	77.9	85.9	266	574	1,237	2,665	5,741	12,368
21	I-805	Adams Avenue	I-8	84.8	77.4	78.4	86.3	283	610	1,315	2,833	6,104	13,151
22	I-805	I-8	Murray Ridge	84.6	77.2	78.2	86.1	275	592	1,275	2,748	5,920	12,754
23	I-805	Murray Ridge	Kearny Villa Road	84.5	77.1	78.1	86.0	271	583	1,256	2,706	5,830	12,559
24	SR-163	Washington Street	6th Avenue	82.8	73.4	71.6	83.6	187	403	869	1,872	4,033	8,689
25	SR-163	6th Avenue	I-8	83.8	74.4	72.6	84.5	215	463	998	2,149	4,631	9,976
26	SR-163	I-8	Friars Road	83.5	74.2	72.3	84.3	208	449	967	2,084	4,491	9,675
27	SR-163	Friars Road	Genesee Avenue	84.2	74.8	73.0	85.0	232	500	1,077	2,321	5,000	10,772
28	SR-163	Genesee Avenue	Mesa College Drive	83.8	74.4	72.6	84.6	218	470	1,013	2,183	4,702	10,131

FHWA RD-77-108

Traffic Noise Prediction Model

Data Input Sheet

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : 2050

Surface Refelction: CNEL
Assessment Metric: Hard
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment From	Segment To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	Phyllis Place	Abbotshill Road	I-805 SB Ramps	32,600	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
2	Sea World Drive	Mission Bay Parkway	Friars Road	41,200	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
3	Sea World Drive	Friars Road	I-5 SB Ramps	34,800	40	50	96.00	3.00	1.00	80.00	10.00	10.00	
4	Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	34,800	40	50	96.00	3.00	1.00	80.00	10.00	10.00	
5	Tecolote Road	I-5 NB Ramps	Morena Boulevard	31,900	35	50	96.00	3.00	1.00	80.00	10.00	10.00	
6	Mission Valley Road	Metropolitan Drive	Mission Center Road	16,400	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
7	Civita Boulevard	Mission Center Road	Via Alta	5,000	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
8	Civita Boulevard	Via Alta	Qualcomm Way	4,200	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
9	Civita Boulevard	Qualcomm Way	Franklin Ridge Road	11,000	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
10	Westside Drive	Mission Center Road	Via Alta	5,100	25	50	96.00	3.00	1.00	80.00	10.00	10.00	
11	Friars Road	Sea World Drive	Napa Street	15,400	55	50	96.00	3.00	1.00	80.00	10.00	10.00	
12	Friars Road	Napa Street	Colusa Street	19,400	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
13	Friars Road	Colusa Street	Via Las Cumbres	25,200	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
14	Friars Road	Via Las Cumbres	Fashion Valley Road	24,600	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
15	Friars Road	Fashion Valley Road	Via De La Moda	27,200	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
16	Friars Road	Via De La Moda	Fashion Valley Driveway	26,500	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
17	Friars Road	Fashion Valley Driveway	Avenida De Las Tiendas	41,300	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
18	Friars Road	Avenida De Las Tiendas	Ulric Street/SR-163 SB Ramps	58,200	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
19	Friars Road	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	55,600	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
20	Friars Road	SR-163 NB Ramps	Frazee Road	45,400	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
21	Friars Road	Frazee Road	Mission Center Road	41,500	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
22	Friars Road	Mission Center Road	Qualcomm Way	35,500	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
23	Friars Road	Qualcomm Way	River Run Drive	38,900	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
24	Friars Road	River Run Drive	Fenton Parkway	40,200	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
25	Friars Road	Fenton Parkway	Northside Drive	34,300	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
26	Friars Road	Northside Drive	San Diego Mission Road	51,700	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
27	Friars Road	San Diego Mission Road	I-15 SB Ramps	85,200	50	50	96.00	3.00	1.00	80.00	10.00	10.00	
28	Friars Road	I-15 SB Ramps	I-15 NB Ramps	74,100	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
29	Friars Road	I-15 NB Ramps	Rancho Mission Road	70,300	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
30	Friars Road	Rancho Mission Road	Santo Road	58,700	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
31	Friars Road	Santo Road	Riverdale Street	62,000	45	50	96.00	3.00	1.00	80.00	10.00	10.00	
32	Friars Road	Riverdale Street	Mission Gorge Road	42,600	45	50	96.00	3.00	1.00	80.00	10.00	10.00	

33	Mission Gorge Road	Friars Road	Zion Avenue	33,200	45	50	96.00	3.00	1.00	80.00	10.00	10.00
34	Hazard Center Drive	Avenida Del Rio	Hazard Center W. Driveway	12,500	35	50	96.00	3.00	1.00	80.00	10.00	10.00
35	Hazard Center Drive	Hazard Center W. Driveway	Mission Center Road	15,900	35	50	96.00	3.00	1.00	80.00	10.00	10.00
36	Rio San Diego Drive	Gill Village Way	Qualcomm Way	15,600	40	50	96.00	3.00	1.00	80.00	10.00	10.00
37	Rio San Diego Drive	Qualcomm Way	River Run Drive	14,700	40	50	96.00	3.00	1.00	80.00	10.00	10.00
38	Rio San Diego Drive	River Run Drive	Fenton Parkway	13,900	40	50	96.00	3.00	1.00	80.00	10.00	10.00
39	San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	12,400	40	50	96.00	3.00	1.00	80.00	10.00	10.00
40	San Diego Mission Road	Rancho Mission Road	950 Feet West of Fairmount Avenue	13,700	35	50	96.00	3.00	1.00	80.00	10.00	10.00
41	San Diego Mission Road	950 Feet West of Fairmount Avenue	Fairmount Avenue	13,700	35	50	96.00	3.00	1.00	80.00	10.00	10.00
42	Taylor Street	Pacific Highway	Morena Boulevard	18,800	35	50	96.00	3.00	1.00	80.00	10.00	10.00
43	Taylor Street	Morena Boulevard	I-8 EB Ramps	4,000	35	50	96.00	3.00	1.00	80.00	10.00	10.00
44	Taylor Street	I-8 EB Ramps	Hotel Circle South	5,000	35	50	96.00	3.00	1.00	80.00	10.00	10.00
45	Hotel Circle North	Hotel Circle South	Fashion Valley Road	8,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
46	Hotel Circle North	Fashion Valley Road	I-8 WB Off-Ramp	14,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
47	Hotel Circle North	I-8 WB Off-Ramp	Street "J"	25,000	35	50	96.00	3.00	1.00	80.00	10.00	10.00
48	Hotel Circle North	Street "J"	I-8 WB On-Ramp	15,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
49	Hotel Circle North	I-8 WB On-Ramp	Hotel Circle South	3,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
50	Camino De La Reina	Hotel Circle North	Avenida Del Rio	9,900	25	50	96.00	3.00	1.00	80.00	10.00	10.00
51	Camino De La Reina	Avenida Del Rio	Camino De La Siesta	17,100	30	50	96.00	3.00	1.00	80.00	10.00	10.00
52	Camino De La Reina	Camino De La Siesta	Mission Center Road	10,800	30	50	96.00	3.00	1.00	80.00	10.00	10.00
53	Camino De La Reina	Mission Center Road	Camino Del Este	19,700	30	50	96.00	3.00	1.00	80.00	10.00	10.00
54	Camino De La Reina	Camino Del Este	Qualcomm Way	13,200	30	50	96.00	3.00	1.00	80.00	10.00	10.00
55	Camino Del Rio North	Camino De La Siesta	Mission Center Road	12,800	35	50	96.00	3.00	1.00	80.00	10.00	10.00
56	Camino Del Rio North	Mission Center Road	I-8 WB Ramps	29,600	35	50	96.00	3.00	1.00	80.00	10.00	10.00
57	Camino Del Rio North	I-8 WB Ramps	Camino Del Este	11,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
58	Camino Del Rio North	Camino Del Este	Qualcomm Way	21,500	35	50	96.00	3.00	1.00	80.00	10.00	10.00
59	Camino Del Rio North	Qualcomm Way	Mission City Parkway	15,700	45	50	96.00	3.00	1.00	80.00	10.00	10.00
60	Camino Del Rio North	Mission City Parkway	800 Feet East of Mission City Parkway	8,900	30	50	96.00	3.00	1.00	80.00	10.00	10.00
61	Camino Del Rio North	800 Feet East of Mission City Parkway	1800 Feet West of Ward Road	8,900	45	50	96.00	3.00	1.00	80.00	10.00	10.00
62	Camino Del Rio North	1800 Feet West of Ward Road	Ward Road	9,700	45	50	96.00	3.00	1.00	80.00	10.00	10.00
63	Camino Del Rio North	Ward Road	1000 Feet West of Fairmount Avenue	9,700	45	50	96.00	3.00	1.00	80.00	10.00	10.00
64	Camino Del Rio North	1000 Feet West of Fairmount Avenue	Fairmount Avenue	20,400	45	50	96.00	3.00	1.00	80.00	10.00	10.00
65	Hotel Circle South	Taylor Street	I-8 EB Off-Ramp	3,100	35	50	96.00	3.00	1.00	80.00	10.00	10.00
66	Hotel Circle South	I-8 EB Off-Ramp	Street "J"	15,500	35	50	96.00	3.00	1.00	80.00	10.00	10.00
67	Hotel Circle South	Street "J"	I-8 EB On-Ramp	30,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
68	Hotel Circle South	I-8 EB On-Ramp	Bachman Place	14,100	35	50	96.00	3.00	1.00	80.00	10.00	10.00
69	Hotel Circle South	Bachman Place	Hotel Circle North	14,700	35	50	96.00	3.00	1.00	80.00	10.00	10.00
70	Camino Del Rio South	Western Terminus	1800 Feet west of Mission Center Road	7,500	25	50	96.00	3.00	1.00	80.00	10.00	10.00
71	Camino Del Rio South	1800 Feet west of Mission Center Road	Mission Center Road	7,500	35	50	96.00	3.00	1.00	80.00	10.00	10.00
72	Camino Del Rio South	Mission Center Road	Texas Street	8,700	35	50	96.00	3.00	1.00	80.00	10.00	10.00
73	Camino Del Rio South	Texas Street	Mission City Parkway	11,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
74	Camino Del Rio South	Mission City Parkway	I-15 SB Offramp	14,100	45	50	96.00	3.00	1.00	80.00	10.00	10.00
75	Camino Del Rio South	I-15 SB Offramp	I-15 SB Onramp	17,000	40	50	96.00	3.00	1.00	80.00	10.00	10.00
76	Camino Del Rio South	I-15 SB Onramp	Fairmount Avenue	7,700	40	50	96.00	3.00	1.00	80.00	10.00	10.00
77	West Morena Boulevard	Tecolote Road	Morena Boulevard	16,700	35	50	96.00	3.00	1.00	80.00	10.00	10.00
78	Morena Boulevard	West Morena Boulevard	Linda Vista Road	16,100	40	50	96.00	3.00	1.00	80.00	10.00	10.00
79	Morena Boulevard	Linda Vista Road	I-8 WB Offramp	28,900	40	50	96.00	3.00	1.00	80.00	10.00	10.00
80	Morena Boulevard	I-8 WB Offramp	Taylor Street	15,600	35	50	96.00	3.00	1.00	80.00	10.00	10.00
81	Napa Street	Morena Boulevard	Friars Road	15,700	25	50	96.00	3.00	1.00	80.00	10.00	10.00
82	Colusa Street	Linda Vista Road	Friars Road	2,700	25	50	96.00	3.00	1.00	80.00	10.00	10.00
83	Via Las Cumbres	Linda Vista Road	Friars Road	12,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
84	Via Las Cumbres	Friars Road	Riverwalk Drive	11,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00

85	Street "J"	Riverwalk Drive	Levi-Cushman Street "B"	17,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
86	Street "J"	Levi-Cushman Street "B"	Hotel Circle North	17,900	35	50	96.00	3.00	1.00	80.00	10.00	10.00
87	Street "J"	Hotel Circle North	Hotel Circle South	-	35	50		3.00	1.00	80.00	10.00	
88	Fashion Valley Road	Friars Road	Riverwalk Drive	8,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
89	Fashion Valley Road	Riverwalk Drive	Levi-Cushman Street "B"	17,400	35	50	96.00	3.00	1.00	80.00	10.00	10.00
90	Fashion Valley Road	Levi-Cushman Street "B"	Hotel Circle North	24,600	35	50	96.00	3.00	1.00	80.00	10.00	10.00
91	Bachman Place	Hotel Circle South	Lewis Street	20,800	40	50	96.00	3.00	1.00	80.00	10.00	10.00
92	Avenida Del Rio	Fashion Valley Parking Lot	Camino De La Reina	19,100	35	50	96.00	3.00	1.00	80.00	10.00	10.00
93	Ulric Street	Fashion Hills Boulevard	600 Feet South of Fashion Hills Boulevard	25,800	40	50	96.00	3.00	1.00	80.00	10.00	10.00
94	Ulric Street	600 Feet South of Fashion Hills Boulevard	Friars Road	27,100	40	50	96.00	3.00	1.00	80.00	10.00	10.00
95	Camino De La Siesta	Camino De La Reina	Camino Del Rio North	9,400	25	50	96.00	3.00	1.00	80.00	10.00	10.00
96	Metropolitan Drive	Mission Valley Road	Murray Canyon Road	11,400	25	50	96.00	3.00	1.00	80.00	10.00	10.00
97	Murray Canyon Road	Metropolitan Drive	Frazee Road	5,600	30	50	96.00	3.00	1.00	80.00	10.00	10.00
98	Frazee Road	Metropolitan Drive	Murray Canyon Road	6,200	25	50	96.00	3.00	1.00	80.00	10.00	10.00
99	Frazee Road	Murray Canyon Road	Friars Road	20,400	30	50	96.00	3.00	1.00	80.00	10.00	10.00
100	Frazee Road	Friars Road	Hazard Center Drive	19,200	30	50	96.00	3.00	1.00	80.00	10.00	10.00
101	Mission Center Road	Murray Ridge Road	1200 Feet West of Murray Ridge Road	14,700	45	50	96.00	3.00	1.00	80.00	10.00	10.00
102	Mission Center Road	1200 Feet West of Murray Ridge Road	950 Feet North of Mission Valley Road	14,700	45	50	96.00	3.00	1.00	80.00	10.00	10.00
103	Mission Center Road	950 Feet North of Mission Valley Road	Mission Valley Road	14,700	40	50	96.00	3.00	1.00	80.00	10.00	10.00
104	Mission Center Road	Mission Valley Road	Westside Drive	20,100	40	50	96.00	3.00	1.00	80.00	10.00	10.00
105	Mission Center Road	Westside Drive	Friars Road WB Ramps	33,000	40	50	96.00	3.00	1.00	80.00	10.00	10.00
106	Mission Center Road	Friars Road WB Ramps	Friars Road EB Ramps	25,600	40	50	96.00	3.00	1.00	80.00	10.00	10.00
107	Mission Center Road	Friars Road EB Ramps	Mission Center Court	22,400	40	50	96.00	3.00	1.00	80.00	10.00	10.00
108	Mission Center Road	Mission Center Court	Hazard Center Drive	26,100	40	50	96.00	3.00	1.00	80.00	10.00	10.00
109	Mission Center Road	Hazard Center Drive	Camino De La Reina	32,100	40	50	96.00	3.00	1.00	80.00	10.00	10.00
110	Mission Center Road	Camino De La Reina	Camino Del Rio North	31,700	40	50	96.00	3.00	1.00	80.00	10.00	10.00
111	Auto Circle	Camino Del Rio North	I-8 EB Ramps	41,100	40	50	96.00	3.00	1.00	80.00	10.00	10.00
112	Auto Circle	I-8 EB Ramps	Camino Del Rio South	18,000	40	50	96.00	3.00	1.00	80.00	10.00	10.00
113	Via Alta	Franklin Ridge Road	Civita Boulevard	10,900	25	50	96.00	3.00	1.00	80.00	10.00	10.00
114	Via Alta	Civita Boulevard	Westside Drive	6,400	25	50	96.00	3.00	1.00	80.00	10.00	10.00
115	Murray Ridge Road	Mission Center Road	I-805 NB Ramps	23,800	35	50	96.00	3.00	1.00	80.00	10.00	10.00
116	Murray Ridge Road	I-805 NB Ramps	I-805 SB Ramps	24,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
117	Russell Park Way	Friars Road	Civita Boulevard	7,400	30	50	96.00	3.00	1.00	80.00	10.00	10.00
118	Camino Del Este	Rio San Diego Drive	Camino De La Reina	13,900	35	50	96.00	3.00	1.00	80.00	10.00	10.00
119	Camino Del Este	Camino De La Reina	Camino Del Rio North	18,200	25	50	96.00	3.00	1.00	80.00	10.00	10.00
120	Franklin Ridge Road	Phyllis Place	Via Alta	31,800	25	50	96.00	3.00	1.00	80.00	10.00	10.00
121	Franklin Ridge Road	Via Alta	Civita Boulevard	17,100	25	50	96.00	3.00	1.00	80.00	10.00	10.00
122	Qualcomm Way	Civita Boulevard	Friars Road WB Ramps	19,700	30	50	96.00	3.00	1.00	80.00	10.00	10.00
123	Qualcomm Way	Friars Road WB Ramps	Friars Road EB Ramps	30,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
124	Qualcomm Way	Friars Road EB Ramps	Rio San Diego Drive	26,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
125	Qualcomm Way	Rio San Diego Drive	Camino Del Rio North	42,700	35	50	96.00	3.00	1.00	80.00	10.00	10.00
126	Qualcomm Way	Camino Del Rio North	I-8 WB Ramps	49,400	35	50	96.00	3.00	1.00	80.00	10.00	10.00
127	Qualcomm Way	I-8 WB Ramps	I-8 EB Ramps	53,500	35	50	96.00	3.00	1.00	80.00	10.00	10.00
128	Qualcomm Way	I-8 EB Ramps	Camino Del Rio South	32,100	35	50	96.00	3.00	1.00	80.00	10.00	10.00
129	Texas Street	Camino Del Rio South	1400 Feet North of Madison Ave	33,200	40	50	96.00	3.00	1.00	80.00	10.00	10.00
130	Texas Street	1400 Feet North of Madison Ave	Madison Avenue	33,200	40	50	96.00	3.00	1.00	80.00	10.00	10.00
131	Texas Street	Madison Avenue	Meade Ave	20,400	25	50	96.00	3.00	1.00	80.00	10.00	10.00
132	Texas Street	Meade Ave	El Cajon Boulevard	15,600	25	50	96.00	3.00	1.00	80.00	10.00	10.00
133	River Run Drive	Friars Road	Rio San Diego Drive	4,100	25	50	96.00	3.00	1.00	80.00	10.00	10.00
134	Fenton Parkway	Portofino Driveway	Friars Road	4,900	25	50	96.00	3.00	1.00	80.00	10.00	10.00
135	Fenton Parkway	Friars Road	Rio San Diego Drive	15,700	30	50	96.00	3.00	1.00	80.00	10.00	10.00
136	Fenton Parkway	Rio San Diego Drive	Del Rio Apartments Driveway	9,300	30	50	96.00	3.00	1.00	80.00	10.00	10.00

137	Fenton Parkway	Del Rio Apartments Driveway	New Street I	9,300	30	50	96.00	3.00	1.00	80.00	10.00	10.00
138	Fenton Parkway	New Street I	Camino Del Rio North	13,900	30	50	96.00	3.00	1.00	80.00	10.00	10.00
139	Mission City Parkway	Camino Del Rio North	Camino Del Rio South	11,000	35	50	96.00	3.00	1.00	80.00	10.00	10.00
140	Northside Drive	Portofino Driveway	Friars Road	5,100	25	50	96.00	3.00	1.00	80.00	10.00	10.00
141	Northside Drive	Friars Road	Fenton Marketplace Driveway	24,600	30	50	96.00	3.00	1.00	80.00	10.00	10.00
142	Northside Drive	Fenton Marketplace Driveway	Lowe's Frontage Road	19,600	30	50	96.00	3.00	1.00	80.00	10.00	10.00
143	Mission Village Drive	Ronda Avenue	Friars Road WB Ramps	17,900	45	50	96.00	3.00	1.00	80.00	10.00	10.00
144	Mission Village Drive	Friars Road WB Ramps	Friars Road EB Ramps	30,600	45	50	96.00	3.00	1.00	80.00	10.00	10.00
145	Rancho Mission Road	Friars Road	San Diego Mission Road	16,200	35	50	96.00	3.00	1.00	80.00	10.00	10.00
146	Rancho Mission Road	San Diego Mission Road	Camino Del Rio North	19,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
147	Santo Road	Northern Terminus	Friars Road	15,700	30	50	96.00	3.00	1.00	80.00	10.00	10.00
148	Riverdale Street	Zion Road	Friars Road	2,200	30	50	96.00	3.00	1.00	80.00	10.00	10.00
149	Riverdale Street	Friars Road	Vandever Avenue	26,500	30	50	96.00	3.00	1.00	80.00	10.00	10.00
150	Mission Gorge Road	Friars Road	Camino Del Rio North	22,700	30	50	96.00	3.00	1.00	80.00	10.00	10.00
151	Fairmount Avenue	Camino Del Rio North/I-8 WB Offramp	I-8 EB Offramp	53,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
152	Fairmount Avenue	I-8 EB Offramp	Camino Del Rio South	93,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
153	Riverwalk Drive	West of Street "J"		6,000	25	50	96.00	3.00	1.00	80.00	10.00	10.00
154	Riverwalk Drive	Street "J"	Fashion Valley Road	3,700	25	50	96.00	3.00	1.00	80.00	10.00	10.00
155	Riverwalk Drive	Fashion Valley Road	Avenida Del Rio	15,200	25	50	96.00	3.00	1.00	80.00	10.00	10.00
156	Levi-Cushman Street "B"	Via Las Cumbres	Fashion Valley Road	11,300	35	50	96.00	3.00	1.00	80.00	10.00	10.00
157	Goshen Street	Linda Vista Road	Gaines Street	4,300	25	50	96.00	3.00	1.00	80.00	10.00	10.00
158	Goshen Street	Gaines Street	Friars Road	3,400	25	50	96.00	3.00	1.00	80.00	10.00	10.00
159	Goshen Street	Friars Road	South End	5,000	25	50	96.00	3.00	1.00	80.00	10.00	10.00
160	New Street "I"	Mission City Parkway	Eastern End	11,900	25	50	96.00	3.00	1.00	80.00	10.00	10.00
161	Gill Village Way	Friars Road	Rio San Diego Drive	5,700	25	50	96.00	3.00	1.00	80.00	10.00	10.00
162	Rio Bonito Way	Friars Road	Rio San Diego Drive	4,100	25	50	96.00	3.00	1.00	80.00	10.00	10.00
163	Mission Valley Road	Frazee Road	Metropolitan Drive	6,500	25	50	96.00	3.00	1.00	80.00	10.00	10.00
164	Metropolitan Drive	Murray Canyon Road	Frazee Road	200	25	50	96.00	3.00	1.00	80.00	10.00	10.00

FHWA RD-77-108
Traffic Noise Prediction Model
Predicted Noise Levels

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : 2050
Assessment Metric: Hard

Segment	Roadway	From	To	Noise Levels, dBA Hard				Distance to Traffic Noise Level Contours, Feet					
				Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	Phyllis Place	Abbotshill Road	I-805 SB Ramps	64.9	61.4	64.3	68.5	11	35	112	354	1,119	3,540
2	Sea World Drive	Mission Bay Parkway	Friars Road	74.5	67.1	66.6	75.8	60	190	601	1,901	6,011	19,009
3	Sea World Drive	Friars Road	I-5 SB Ramps	71.0	64.9	64.9	72.7	29	93	294	931	2,944	9,310
4	Tecolote Road	I-5 SB Ramps	I-5 NB Ramps	71.0	64.9	64.9	72.7	29	93	294	931	2,944	9,310
5	Tecolote Road	I-5 NB Ramps	Morena Boulevard	69.0	63.6	64.0	71.0	20	63	199	629	1,991	6,295
6	Mission Valley Road	Metropolitan Drive	Mission Center Road	61.9	58.4	61.3	65.5	6	18	56	177	561	1,774
7	Civita Boulevard	Mission Center Road	Via Alta	56.7	53.3	56.1	60.4	2	5	17	55	173	548
8	Civita Boulevard	Via Alta	Qualcomm Way	56.0	52.5	55.4	59.6	1	5	14	46	144	456
9	Civita Boulevard	Qualcomm Way	Franklin Ridge Road	60.1	56.7	59.6	63.8	4	12	38	120	379	1,199
10	Westside Drive	Mission Center Road	Via Alta	56.8	53.4	56.2	60.5	2	6	18	56	177	561
11	Friars Road	Sea World Drive	Napa Street	71.5	63.5	62.7	72.6	29	91	288	910	2,877	9,099
12	Friars Road	Napa Street	Colusa Street	69.9	63.1	62.9	71.4	22	69	218	690	2,183	6,902
13	Friars Road	Colusa Street	Via Las Cumbres	71.1	64.3	64.0	72.6	29	91	288	910	2,877	9,099
14	Friars Road	Via Las Cumbres	Fashion Valley Road	71.0	64.2	63.9	72.5	28	89	281	889	2,812	8,891
15	Friars Road	Fashion Valley Road	Via De La Moda	71.4	64.6	64.3	72.9	31	97	308	975	3,083	9,749
16	Friars Road	Via De La Moda	Fashion Valley Driveway	71.3	64.5	64.2	72.8	30	95	301	953	3,013	9,527
17	Friars Road	Fashion Valley Driveway	Avenida De Las Tiendas	73.2	66.4	66.2	74.7	47	148	467	1,476	4,666	14,756
18	Friars Road	Avenida De Las Tiendas	Ulric Street/SR-163 SB Ramps	74.7	67.9	67.6	76.2	66	208	659	2,084	6,591	20,843
19	Friars Road	Ulric Street/SR-163 SB Ramps	SR-163 NB Ramps	74.5	67.7	67.4	76.0	63	199	629	1,991	6,295	19,905
20	Friars Road	SR-163 NB Ramps	Frazee Road	73.6	66.8	66.6	75.1	51	162	512	1,618	5,116	16,180
21	Friars Road	Frazee Road	Mission Center Road	74.6	67.2	66.6	75.8	60	190	601	1,901	6,011	19,009
22	Friars Road	Mission Center Road	Qualcomm Way	73.9	66.5	65.9	75.2	52	166	524	1,656	5,236	16,557
23	Friars Road	Qualcomm Way	River Run Drive	74.3	66.9	66.3	75.6	57	182	574	1,815	5,741	18,154
24	Friars Road	River Run Drive	Fenton Parkway	74.4	67.0	66.5	75.7	59	186	587	1,858	5,874	18,577
25	Friars Road	Fenton Parkway	Northside Drive	73.7	66.3	65.8	75.0	50	158	500	1,581	5,000	15,811
26	Friars Road	Northside Drive	San Diego Mission Road	75.5	68.1	67.6	76.8	76	239	757	2,393	7,568	23,932
27	Friars Road	San Diego Mission Road	I-15 SB Ramps	77.7	70.3	69.7	79.0	126	397	1,256	3,972	12,559	39,716
28	Friars Road	I-15 SB Ramps	I-15 NB Ramps	75.8	69.0	68.7	77.2	83	262	830	2,624	8,298	26,240
29	Friars Road	I-15 NB Ramps	Rancho Mission Road	75.5	68.7	68.5	77.0	79	251	792	2,506	7,924	25,059
30	Friars Road	Rancho Mission Road	Santo Road	74.8	68.0	67.7	76.2	66	208	659	2,084	6,591	20,843
31	Friars Road	Santo Road	Riverdale Street	75.0	68.2	67.9	76.5	71	223	706	2,233	7,063	22,334
32	Friars Road	Riverdale Street	Mission Gorge Road	73.4	66.6	66.3	74.8	48	151	477	1,510	4,775	15,100

33	Mission Gorge Road	Friars Road	Zion Avenue	72.3	65.5	65.2	73.8	38	120	379	1,199	3,793	11,994
34	Hazard Center Drive	Avenida Del Rio	Hazard Center W. Driveway	64.9	59.5	60.0	67.0	8	25	79	251	792	2,506
35	Hazard Center Drive	Hazard Center W. Driveway	Mission Center Road	65.9	60.6	61.0	68.0	10	32	100	315	998	3,155
36	Rio San Diego Drive	Gill Village Way	Qualcomm Way	67.5	61.4	61.5	69.3	13	43	135	426	1,346	4,256
37	Rio San Diego Drive	Qualcomm Way	River Run Drive	67.3	61.1	61.2	69.0	13	40	126	397	1,256	3,972
38	Rio San Diego Drive	River Run Drive	Fenton Parkway	67.0	60.9	61.0	68.8	12	38	120	379	1,199	3,793
39	San Diego Mission Road	Friars Road EB Ramps	Rancho Mission Road	66.5	60.4	60.5	68.3	11	34	107	338	1,069	3,380
40	San Diego Mission Road	Rancho Mission Road	950 Feet West of Fairmount Avenue	65.3	59.9	60.4	67.4	9	27	87	275	869	2,748
41	San Diego Mission Road	950 Feet West of Fairmount Avenue	Fairmount Avenue	65.3	59.9	60.4	67.4	9	27	87	275	869	2,748
42	Taylor Street	Pacific Highway	Morena Boulevard	66.7	61.3	61.7	68.7	12	37	117	371	1,172	3,707
43	Taylor Street	Morena Boulevard	I-8 EB Ramps	59.9	54.6	55.0	62.0	3	8	25	79	251	792
44	Taylor Street	I-8 EB Ramps	Hotel Circle South	60.9	55.6	56.0	63.0	3	10	32	100	315	998
45	Hotel Circle North	Hotel Circle South	Fashion Valley Road	63.1	57.7	58.1	65.1	5	16	51	162	512	1,618
46	Hotel Circle North	Fashion Valley Road	I-8 WB Off-Ramp	65.5	60.1	60.5	67.5	9	28	89	281	889	2,812
47	Hotel Circle North	I-8 WB Off-Ramp	Street "J"	67.9	62.5	63.0	70.0	16	50	158	500	1,581	5,000
48	Hotel Circle North	Street "J"	I-8 WB On-Ramp	65.8	60.4	60.8	67.8	10	30	95	301	953	3,013
49	Hotel Circle North	I-8 WB On-Ramp	Hotel Circle South	59.1	53.8	54.2	61.2	2	7	21	66	208	659
50	Camino De La Reina	Hotel Circle North	Avenida Del Rio	59.7	56.2	59.1	63.4	3	11	35	109	346	1,094
51	Camino De La Reina	Avenida Del Rio	Camino De La Siesta	64.3	59.9	62.2	67.3	8	27	85	269	849	2,685
52	Camino De La Reina	Camino De La Siesta	Mission Center Road	62.3	57.9	60.2	65.3	5	17	54	169	536	1,694
53	Camino De La Reina	Mission Center Road	Camino Del Este	64.9	60.5	62.8	67.9	10	31	97	308	975	3,083
54	Camino De La Reina	Camino Del Este	Qualcomm Way	63.2	58.7	61.1	66.2	7	21	66	208	659	2,084
55	Camino Del Rio North	Camino De La Siesta	Mission Center Road	65.0	59.6	60.1	67.1	8	26	81	256	811	2,564
56	Camino Del Rio North	Mission Center Road	I-8 WB Ramps	68.6	63.3	63.7	70.7	19	59	186	587	1,858	5,874
57	Camino Del Rio North	I-8 WB Ramps	Camino Del Este	64.5	59.1	59.5	66.5	7	22	71	223	706	2,233
58	Camino Del Rio North	Camino Del Este	Qualcomm Way	67.3	61.9	62.3	69.3	13	43	135	426	1,346	4,256
59	Camino Del Rio North	Qualcomm Way	Mission City Parkway	69.0	62.2	62.0	70.5	18	56	177	561	1,774	5,610
60	Camino Del Rio North	Mission City Parkway	800 Feet East of Mission City Parkway	61.5	57.0	59.4	64.4	4	14	44	138	435	1,377
61	Camino Del Rio North	800 Feet East of Mission City Parkway	1800 Feet West of Ward Road	66.6	59.8	59.5	68.0	10	32	100	315	998	3,155
62	Camino Del Rio North	1800 Feet West of Ward Road	Ward Road	66.9	60.1	59.9	68.4	11	35	109	346	1,094	3,459
63	Camino Del Rio North	Ward Road	1000 Feet West of Fairmount Avenue	66.9	60.1	59.9	68.4	11	35	109	346	1,094	3,459
64	Camino Del Rio North	1000 Feet West of Fairmount Avenue	Fairmount Avenue	70.2	63.4	63.1	71.6	23	72	229	723	2,285	7,227
65	Hotel Circle South	Taylor Street	I-8 EB Off-Ramp	58.8	53.5	53.9	60.9	2	6	19	62	195	615
66	Hotel Circle South	I-8 EB Off-Ramp	Street "J"	65.8	60.5	60.9	67.9	10	31	97	308	975	3,083
67	Hotel Circle South	Street "J"	I-8 EB On-Ramp	68.7	63.4	63.8	70.8	19	60	190	601	1,901	6,011
68	Hotel Circle South	I-8 EB On-Ramp	Bachman Place	65.4	60.1	60.5	67.5	9	28	89	281	889	2,812
69	Hotel Circle South	Bachman Place	Hotel Circle North	65.6	60.2	60.7	67.7	9	29	93	294	931	2,944
70	Camino Del Rio South	Western Terminus	1800 Feet west of Mission Center Road	58.5	55.0	57.9	62.1	3	8	26	81	256	811
71	Camino Del Rio South	1800 Feet west of Mission Center Road	Mission Center Road	62.7	57.3	57.7	64.8	5	15	48	151	477	1,510
72	Camino Del Rio South	Mission Center Road	Texas Street	63.3	58.0	58.4	65.4	5	17	55	173	548	1,734
73	Camino Del Rio South	Texas Street	Mission City Parkway	64.4	59.1	59.5	66.5	7	22	71	223	706	2,233
74	Camino Del Rio South	Mission City Parkway	I-15 SB Offramp	68.6	61.8	61.5	70.0	16	50	158	500	1,581	5,000
75	Camino Del Rio South	I-15 SB Offramp	I-15 SB Onramp	67.9	61.8	61.8	69.6	14	46	144	456	1,442	4,560
76	Camino Del Rio South	I-15 SB Onramp	Fairmount Avenue	64.5	58.3	58.4	66.2	7	21	66	208	659	2,084
77	West Morena Boulevard	Tecolote Road	Morena Boulevard	66.2	60.8	61.2	68.2	10	33	104	330	1,045	3,303
78	Morena Boulevard	West Morena Boulevard	Linda Vista Road	67.7	61.5	61.6	69.4	14	44	138	435	1,377	4,355
79	Morena Boulevard	Linda Vista Road	I-8 WB Offramp	70.2	64.1	64.1	71.9	24	77	245	774	2,449	7,744
80	Morena Boulevard	I-8 WB Offramp	Taylor Street	65.9	60.5	60.9	67.9	10	31	97	308	975	3,083
81	Napa Street	Morena Boulevard	Friars Road	61.7	58.2	61.1	65.4	5	17	55	173	548	1,734
82	Colusa Street	Linda Vista Road	Friars Road	54.0	50.6	53.5	57.7	1	3	9	29	93	294
83	Via Las Cumbres	Linda Vista Road	Friars Road	64.8	59.4	59.9	66.9	8	24	77	245	774	2,449
84	Via Las Cumbres	Friars Road	Riverwalk Drive	64.5	59.1	59.5	66.5	7	22	71	223	706	2,233

85	Street "J"	Riverwalk Drive	Levi-Cushman Street "B"	66.3	60.9	61.3	68.4	11	35	109	346	1,094	3,459
86	Street "J"	Levi-Cushman Street "B"	Hotel Circle North	66.5	61.1	61.5	68.5	11	35	112	354	1,119	3,540
87	Street "J"	Hotel Circle North	Hotel Circle South				#VALUE!						
88	Fashion Valley Road	Friars Road	Riverwalk Drive	63.1	57.7	58.1	65.1	5	16	51	162	512	1,618
89	Fashion Valley Road	Riverwalk Drive	Levi-Cushman Street "B"	66.3	61.0	61.4	68.4	11	35	109	346	1,094	3,459
90	Fashion Valley Road	Levi-Cushman Street "B"	Hotel Circle North	67.8	62.5	62.9	69.9	15	49	155	489	1,545	4,886
91	Bachman Place	Hotel Circle South	Lewis Street	68.8	62.7	62.7	70.5	18	56	177	561	1,774	5,610
92	Avenida Del Rio	Fashion Valley Parking Lot	Camino De La Reina	66.7	61.4	61.8	68.8	12	38	120	379	1,199	3,793
93	Ulric Street	Fashion Hills Boulevard	600 Feet South of Fashion Hills Boulevard	69.7	63.6	63.6	71.4	22	69	218	690	2,183	6,902
94	Ulric Street	600 Feet South of Fashion Hills Boulevard	Friars Road	69.9	63.8	63.9	71.7	23	74	234	740	2,339	7,396
95	Camino De La Siesta	Camino De La Reina	Camino Del Rio North	59.5	56.0	58.9	63.1	3	10	32	102	323	1,021
96	Metropolitan Drive	Mission Valley Road	Murray Canyon Road	60.3	56.9	59.7	64.0	4	13	40	126	397	1,256
97	Murray Canyon Road	Metropolitan Drive	Frazee Road	59.5	55.0	57.4	62.4	3	9	27	87	275	869
98	Frazee Road	Metropolitan Drive	Murray Canyon Road	57.6	54.2	57.1	61.3	2	7	21	67	213	674
99	Frazee Road	Murray Canyon Road	Friars Road	65.1	60.6	63.0	68.0	10	32	100	315	998	3,155
100	Frazee Road	Friars Road	Hazard Center Drive	64.8	60.4	62.7	67.8	10	30	95	301	953	3,013
101	Mission Center Road	Murray Ridge Road	1200 Feet West of Murray Ridge Road	68.7	61.9	61.7	70.2	17	52	166	524	1,656	5,236
102	Mission Center Road	1200 Feet West of Murray Ridge Road	950 Feet North of Mission Valley Road	68.7	61.9	61.7	70.2	17	52	166	524	1,656	5,236
103	Mission Center Road	950 Feet North of Mission Valley Road	Mission Valley Road	67.3	61.1	61.2	69.0	13	40	126	397	1,256	3,972
104	Mission Center Road	Mission Valley Road	Westside Drive	68.6	62.5	62.6	70.4	17	55	173	548	1,734	5,482
105	Mission Center Road	Westside Drive	Friars Road WB Ramps	70.8	64.7	64.7	72.5	28	89	281	889	2,812	8,891
106	Mission Center Road	Friars Road WB Ramps	Friars Road EB Ramps	69.7	63.6	63.6	71.4	22	69	218	690	2,183	6,902
107	Mission Center Road	Friars Road EB Ramps	Mission Center Court	69.1	63.0	63.0	70.8	19	60	190	601	1,901	6,011
108	Mission Center Road	Mission Center Court	Hazard Center Drive	69.8	63.6	63.7	71.5	22	71	223	706	2,233	7,063
109	Mission Center Road	Hazard Center Drive	Camino De La Reina	70.7	64.5	64.6	72.4	27	87	275	869	2,748	8,689
110	Mission Center Road	Camino De La Reina	Camino Del Rio North	70.6	64.5	64.5	72.3	27	85	269	849	2,685	8,491
111	Auto Circle	Camino Del Rio North	I-8 EB Ramps	71.7	65.6	65.7	73.5	35	112	354	1,119	3,540	11,194
112	Auto Circle	I-8 EB Ramps	Camino Del Rio South	68.2	62.0	62.1	69.9	15	49	155	489	1,545	4,886
113	Via Alta	Franklin Ridge Road	Civita Boulevard	60.1	56.7	59.5	63.8	4	12	38	120	379	1,199
114	Via Alta	Civita Boulevard	Westside Drive	57.8	54.3	57.2	61.5	2	7	22	71	223	706
115	Murray Ridge Road	Mission Center Road	I-805 NB Ramps	67.7	62.3	62.8	69.8	15	48	151	477	1,510	4,775
116	Murray Ridge Road	I-805 NB Ramps	I-805 SB Ramps	67.8	62.4	62.8	69.9	15	49	155	489	1,545	4,886
117	Russell Park Way	Friars Road	Civita Boulevard	60.7	56.2	58.6	63.6	4	11	36	115	362	1,145
118	Camino Del Este	Rio San Diego Drive	Camino De La Reina	65.4	60.0	60.4	67.4	9	27	87	275	869	2,748
119	Camino Del Este	Camino De La Reina	Camino Del Rio North	62.3	58.9	61.7	66.0	6	20	63	199	629	1,991
120	Franklin Ridge Road	Phyllis Place	Via Alta	64.7	61.3	64.2	68.4	11	35	109	346	1,094	3,459
121	Franklin Ridge Road	Via Alta	Civita Boulevard	62.0	58.6	61.5	65.7	6	19	59	186	587	1,858
122	Qualcomm Way	Civita Boulevard	Friars Road WB Ramps	64.9	60.5	62.8	67.9	10	31	97	308	975	3,083
123	Qualcomm Way	Friars Road WB Ramps	Friars Road EB Ramps	68.7	63.4	63.8	70.8	19	60	190	601	1,901	6,011
124	Qualcomm Way	Friars Road EB Ramps	Rio San Diego Drive	68.1	62.8	63.2	70.2	17	52	166	524	1,656	5,236
125	Qualcomm Way	Rio San Diego Drive	Camino Del Rio North	70.2	64.9	65.3	72.3	27	85	269	849	2,685	8,491
126	Qualcomm Way	Camino Del Rio North	I-8 WB Ramps	70.9	65.5	65.9	72.9	31	97	308	975	3,083	9,749
127	Qualcomm Way	I-8 WB Ramps	I-8 EB Ramps	71.2	65.9	66.3	73.3	34	107	338	1,069	3,380	10,690
128	Qualcomm Way	I-8 EB Ramps	Camino Del Rio South	69.0	63.6	64.1	71.1	20	64	204	644	2,037	6,441
129	Texas Street	Camino Del Rio South	1400 Feet North of Madison Ave	70.8	64.7	64.7	72.5	28	89	281	889	2,812	8,891
130	Texas Street	1400 Feet North of Madison Ave	Madison Avenue	70.8	64.7	64.7	72.5	28	89	281	889	2,812	8,891
131	Texas Street	Madison Avenue	Meade Ave	62.8	59.4	62.2	66.5	7	22	71	223	706	2,233
132	Texas Street	Meade Ave	El Cajon Boulevard	61.7	58.2	61.1	65.3	5	17	54	169	536	1,694
133	River Run Drive	Friars Road	Rio San Diego Drive	55.8	52.4	55.3	59.5	1	4	14	45	141	446
134	Fenton Parkway	Portofino Driveway	Friars Road	56.6	53.2	56.0	60.3	2	5	17	54	169	536
135	Fenton Parkway	Friars Road	Rio San Diego Drive	64.0	59.5	61.8	66.9	8	24	77	245	774	2,449
136	Fenton Parkway	Rio San Diego Drive	Del Rio Apartments Driveway	61.7	57.2	59.6	64.6	5	14	46	144	456	1,442

137	Fenton Parkway	Del Rio Apartments Driveway	New Street I	61.7	57.2	59.6	64.6	5	14	46	144	456	1,442
138	Fenton Parkway	New Street I	Camino Del Rio North	63.4	59.0	61.3	66.4	7	22	69	218	690	2,183
139	Mission City Parkway	Camino Del Rio North	Camino Del Rio South	64.3	59.0	59.4	66.4	7	22	69	218	690	2,183
140	Northside Drive	Portofino Driveway	Friars Road	56.8	53.4	56.2	60.5	2	6	18	56	177	561
141	Northside Drive	Friars Road	Fenton Marketplace Driveway	65.9	61.4	63.8	68.9	12	39	123	388	1,227	3,881
142	Northside Drive	Fenton Marketplace Driveway	Lowe's Frontage Road	64.9	60.4	62.8	67.9	10	31	97	308	975	3,083
143	Mission Village Drive	Ronda Avenue	Friars Road WB Ramps	69.6	62.8	62.5	71.1	20	64	204	644	2,037	6,441
144	Mission Village Drive	Friars Road WB Ramps	Friars Road EB Ramps	71.9	65.1	64.9	73.4	35	109	346	1,094	3,459	10,939
145	Rancho Mission Road	Friars Road	San Diego Mission Road	66.0	60.7	61.1	68.1	10	32	102	323	1,021	3,228
146	Rancho Mission Road	San Diego Mission Road	Camino Del Rio North	66.8	61.4	61.8	68.9	12	39	123	388	1,227	3,881
147	Santo Road	Northern Terminus	Friars Road	64.0	59.5	61.8	66.9	8	24	77	245	774	2,449
148	Riverdale Street	Zion Road	Friars Road	55.4	50.9	53.3	58.4	1	3	11	35	109	346
149	Riverdale Street	Friars Road	Vandever Avenue	66.2	61.8	64.1	69.2	13	42	132	416	1,315	4,159
150	Mission Gorge Road	Friars Road	Camino Del Rio North	65.6	61.1	63.4	68.5	11	35	112	354	1,119	3,540
151	Fairmount Avenue	Camino Del Rio North/I-8 WB Offramp	I-8 EB Offramp	71.2	65.8	66.3	73.3	34	107	338	1,069	3,380	10,690
152	Fairmount Avenue	I-8 EB Offramp	Camino Del Rio South	73.6	68.3	68.7	75.7	59	186	587	1,858	5,874	18,577
153	Riverwalk Drive	West of Street "J"		57.5	54.1	56.9	61.2	2	7	21	66	208	659
154	Riverwalk Drive	Street "J"	Fashion Valley Road	55.4	52.0	54.8	59.1	1	4	13	41	129	406
155	Riverwalk Drive	Fashion Valley Road	Avenida Del Rio	61.5	58.1	61.0	65.2	5	17	52	166	524	1,656
156	Levi-Cushman Street "B"	Via Las Cumbres	Fashion Valley Road	64.5	59.1	59.5	66.5	7	22	71	223	706	2,233
157	Goshen Street	Linda Vista Road	Gaines Street	56.1	52.6	55.5	59.7	1	5	15	47	148	467
158	Goshen Street	Gaines Street	Friars Road	55.0	51.6	54.5	58.7	1	4	12	37	117	371
159	Goshen Street	Friars Road	South End	56.7	53.3	56.1	60.4	2	5	17	55	173	548
160	New Street "I"	Mission City Parkway	Eastern End	60.5	57.0	59.9	64.1	4	13	41	129	406	1,285
161	Gill Village Way	Friars Road	Rio San Diego Drive	57.3	53.8	56.7	61.0	2	6	20	63	199	629
162	Rio Bonito Way	Friars Road	Rio San Diego Drive	55.8	52.4	55.3	59.5	1	4	14	45	141	446
163	Mission Valley Road	Frazee Road	Metropolitan Drive	57.8	54.4	57.3	61.5	2	7	22	71	223	706
164	Metropolitan Drive	Murray Canyon Road	Frazee Road	42.7	39.3	42.2	46.4	0	0	1	2	7	22

FHWA RD-77-108

Traffic Noise Prediction Model

Data Input Sheet

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : Freeway 2050

Surface Refelction: CNEL
Assessment Metric: Soft
Peak ratio to ADT: 10.00
Traffic Desc. (Peak or ADT) : ADT

Segment	Roadway	Segment From	Segment To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	K-Factor
1	I-5	Washington Street	Old Town Avenue	185,100	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
2	I-5	Old Town Avenue	I-8	231,000	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
3	I-5	I-8	Sea World Drive	192,600	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
4	I-5	Sea World Drive	Clairemont Drive	243,600	65	50	96.10	2.90	1.00	80.00	10.00	10.00	
5	I-8	Midway Drive	I-5	107,900	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
6	I-8	I-5	Morena Boulevard	150,100	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
7	I-8	Morena Boulevard	Hotel Circle/Taylor Street	199,400	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
8	I-8	Hotel Circle/Taylor Street	Hotel Circle	199,400	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
9	I-8	Hotel Circle	SR-163	211,300	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
10	I-8	SR-163	Mission Center Road	196,300	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
11	I-8	Mission Center Road	Texas Street	221,500	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
12	I-8	Texas Street	I-805	193,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
13	I-8	I-805	I-15	247,000	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
14	I-8	I-15	Fairmount Avenue	297,300	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
15	I-8	Fairmount Avenue	Waring Road	242,200	65	50	96.80	2.50	0.70	80.00	10.00	10.00	
16	I-15	El Cajon Boulevard	Adams Avenue	209,000	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
17	I-15	Adams Avenue	I-8	219,600	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
18	I-15	I-8	Friars Road	276,100	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
19	I-15	Friars Road	Aero Drive	255,100	65	50	96.00	2.80	1.20	80.00	10.00	10.00	
20	I-805	El Cajon Boulevard	Adams Avenue	223,600	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
21	I-805	Adams Avenue	I-8	250,700	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
22	I-805	I-8	Murray Ridge	254,800	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
23	I-805	Murray Ridge	Kearny Villa Road	260,900	65	50	93.60	4.10	2.30	80.00	10.00	10.00	
24	SR-163	Washington Street	6th Avenue	134,700	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
25	SR-163	6th Avenue	I-8	194,600	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
26	SR-163	I-8	Friars Road	187,300	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
27	SR-163	Friars Road	Genesee Avenue	214,900	65	50	96.50	2.70	0.80	80.00	10.00	10.00	
28	SR-163	Genesee Avenue	Mesa College Drive	211,100	65	50	96.50	2.70	0.80	80.00	10.00	10.00	

FHWA RD-77-108
Traffic Noise Prediction Model
Predicted Noise Levels

Project Name : Mission Valley CPU
Project Number : 7899
Modeled Condition : Freeway 2050
Assessment Metric: Soft

		Segment		Noise Levels, dBA Soft				Distance to Traffic Noise Level Contours, Feet					
Segment	Roadway	From	To	Auto	MT	HT	Total	75 dB	70 dB	65 dB	60 dB	55 dB	50 dB
1	I-5	Washington Street	Old Town Avenue	84.3	75.3	74.1	85.2	239	516	1,111	2,393	5,156	11,108
2	I-5	Old Town Avenue	I-8	85.3	76.3	75.1	86.2	279	601	1,295	2,790	6,011	12,951
3	I-5	I-8	Sea World Drive	84.5	75.5	74.3	85.4	247	532	1,145	2,468	5,317	11,454
4	I-5	Sea World Drive	Clairemont Drive	85.5	76.5	75.3	86.4	288	620	1,335	2,877	6,199	13,355
5	I-8	Midway Drive	I-5	82.0	72.3	70.2	82.7	163	351	757	1,630	3,513	7,568
6	I-8	I-5	Morena Boulevard	83.5	73.7	71.7	84.2	205	442	953	2,053	4,422	9,527
7	I-8	Morena Boulevard	Hotel Circle/Taylor Street	84.7	75.0	72.9	85.4	247	532	1,145	2,468	5,317	11,454
8	I-8	Hotel Circle/Taylor Street	Hotel Circle	84.7	75.0	72.9	85.4	247	532	1,145	2,468	5,317	11,454
9	I-8	Hotel Circle	SR-163	85.0	75.2	73.2	85.6	254	548	1,181	2,545	5,482	11,811
10	I-8	SR-163	Mission Center Road	84.6	74.9	72.8	85.3	243	524	1,128	2,430	5,236	11,280
11	I-8	Mission Center Road	Texas Street	85.2	75.4	73.4	85.9	266	574	1,237	2,665	5,741	12,368
12	I-8	Texas Street	I-805	84.6	74.8	72.8	85.3	243	524	1,128	2,430	5,236	11,280
13	I-8	I-805	I-15	85.6	75.9	73.8	86.3	283	610	1,315	2,833	6,104	13,151
14	I-8	I-15	Fairmount Avenue	86.4	76.7	74.6	87.1	320	690	1,487	3,204	6,902	14,870
15	I-8	Fairmount Avenue	Waring Road	85.5	75.8	73.8	86.2	279	601	1,295	2,790	6,011	12,951
16	I-15	El Cajon Boulevard	Adams Avenue	84.9	75.7	75.5	85.8	262	565	1,218	2,624	5,653	12,180
17	I-15	Adams Avenue	I-8	85.1	75.9	75.7	86.0	271	583	1,256	2,706	5,830	12,559
18	I-15	I-8	Friars Road	86.1	76.9	76.7	87.0	315	680	1,464	3,155	6,797	14,643
19	I-15	Friars Road	Aero Drive	85.7	76.5	76.3	86.7	301	649	1,398	3,013	6,491	13,984
20	I-805	El Cajon Boulevard	Adams Avenue	85.1	77.6	78.6	86.5	292	629	1,356	2,922	6,295	13,561
21	I-805	Adams Avenue	I-8	85.6	78.1	79.1	87.0	315	680	1,464	3,155	6,797	14,643
22	I-805	I-8	Murray Ridge	85.6	78.2	79.1	87.1	320	690	1,487	3,204	6,902	14,870
23	I-805	Murray Ridge	Kearny Villa Road	85.7	78.3	79.2	87.2	325	701	1,510	3,253	7,009	15,100
24	SR-163	Washington Street	6th Avenue	83.0	73.6	71.8	83.7	190	410	882	1,901	4,095	8,823
25	SR-163	6th Avenue	I-8	84.6	75.2	73.4	85.3	243	524	1,128	2,430	5,236	11,280
26	SR-163	I-8	Friars Road	84.4	75.0	73.2	85.2	239	516	1,111	2,393	5,156	11,108
27	SR-163	Friars Road	Genesee Avenue	85.0	75.6	73.8	85.8	262	565	1,218	2,624	5,653	12,180
28	SR-163	Genesee Avenue	Mesa College Drive	84.9	75.5	73.7	85.7	258	557	1,199	2,584	5,567	11,994

ATTACHMENT 3

Trolley Contours Noise Calculation Data

Green Line Trolley Speeds

Stations	Distance (mi)	Time (sec)*	Time (hr)	Speed (mph)
Grantville to Mission San Diego	0.90	90	0.025	36
Mission San Diego to Stadium	0.50	90	0.025	20
Stadium to Fenton Parkway	0.49	30	0.008	58
Fenton Parkway to Rio Vista	0.95	90	0.025	38
Rio Vista to Mission Valley Center	0.51	90	0.025	20
Mission Valley Center to Hazard Center	0.50	90	0.025	20
Hazard Center to Fashion Valley	0.73	90	0.025	29
Fashion Valley to Morena/Linda Vista	1.66	150	0.042	40
Morena/Linda Vista to Old Town	0.82	150	0.042	20

*Published schedule minus 30 sec to account for stops

Noise Model Based on Federal Transit Adminstration General Transit Noise Assessment
Developed for Chicago Create Project
Copyright 2006, HMMH Inc.
Case: 7899 Mission Valley CPU

RESULTS			
Noise Source	**Ldn (dB)**	**Leq - daytime (dB)**	**Leq - nighttime (dB)**
All Sources	72	68	65
Source 1 - 36 mph	63	59	56
Source 2 - 20 mph	58	54	51
Source 3 - 58 mph	67	64	60
Source 4 - 38 mph	64	60	57
Source 5 - 29 mph	61	58	54
Source 6 - 40 mph	64	60	57
Source 7	0	0	0
Source 8	0	0	0

Enter noise receiver land use category below.

LAND USE CATEGORY	
Noise receiver land use category (1, 2 or 3)	2

Enter data for up to 8 noise sources below - see reference list for source numbers.

NOISE SOURCE PARAMETERS														
Parameter	**Source 1**		**Source 2**		**Source 3**		**Source 4**		**Source 5**		**Source 6**		**Source 7**	
Source Num.	RRT/LRT	4	RRT/LRT	4	RRT/LRT	4	RRT/LRT	4	RRT/LRT	4	RRT/LRT	4		
Distance (source to receiver)	distance (ft)	50	distance (ft)	50	distance (ft)	50	distance (ft)	50	distance (ft)	50	distance (ft)	50		
Daytime Hours	speed (mph)	36	speed (mph)	20	speed (mph)	58	speed (mph)	38	speed (mph)	29	speed (mph)	40		
(7 AM - 10 PM)	trains/hour	7.66667	trains/hour	7.66667	trains/hour	7.66667	trains/hour	7.66667	trains/hour	7.66667	trains/hour	7.66667		
	cars/train	5	cars/train	5	cars/train	5	cars/train	5	cars/train	5	cars/train	5		
Nighttime Hours	speed (mph)	36	speed (mph)	20	speed (mph)	58	speed (mph)	38	speed (mph)	29	speed (mph)	40		
(10 PM - 7 AM)	trains/hour	3.66667	trains/hour	3.66667	trains/hour	3.66667	trains/hour	3.66667	trains/hour	3.66667	trains/hour	3.66667		
	cars/train	5	cars/train	5	cars/train	5	cars/train	5	cars/train	5	cars/train	5		
Wheel Flats?	% of cars w/ wheel flats	0.00%	% of cars w/ wheel flats	0.00%	% of cars w/ wheel flats	0.00%	% of cars w/ wheel flats	0.00%	% of cars w/ wheel flats	0.00%	% of cars w/ wheel flats	0.00%		
Jointed Track?	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N		
Embedded Track?	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N		
Aerial Structure?	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N		
Barrier Present?	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N	Y/N	N		
Intervening Rows of of Buildings	number of rows	0	number of rows	0	number of rows	0	number of rows	0	number of rows	0	number of rows	0		

SOURCE REFERENCE LIST	
Source	**Number**
Commuter Electric Locomotive	1
Commuter Diesel Locomotive	2
Commuter Rail Cars	3
RRT/LRT	4
AGT, Steel Wheel	5
AGT, Rubber Tire	6
Monorail	7
Maglev	8
Freight Locomotive	9
Freight Cars	10
Hopper Cars (empty)	11
Hopper Cars (full)	12
Crossover	13
Automobiles	14
City Buses	15
Commuter Buses	16
Rail Yard or Shop	17
Layover Tracks	18
Bus Storage Yard	19
Bus Op. Facility	20
Bus Transit Center	21
Parking Garage	22
Park & Ride Lot	23

Green Line Trolley Noise Levels

Stations	Noise Level at 50 feet (CNEL)	Distance to Noise Contour:			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
Grantville to Mission San Diego	63	3	10	33	105
Mission San Diego to Stadium	58	1	3	10	32
Stadium to Fenton Parkway	67	9	27	86	272
Fenton Parkway to Rio Vista	64	4	12	37	117
Rio Vista to Mission Valley Center	63	3	10	33	105
Mission Valley Center to Hazard Center	63	3	10	33	105
Hazard Center to Fashion Valley	61	2	7	22	68
Fashion Valley to Morena/Linda Vista	64	4	13	41	130
Morena/Linda Vista to Old Town	63	3	10	33	105

Trolley Vibration

Lv = 85.88 - 1.06log(D) - 2.32 log (D)^2 - 0.87 log(D)^3

Distance 25 feet
VdB = 77.487598

Speed	Adjustment	VdB		Distance to 72 VdB	Distance to 65 VdB
36	-2.8	74.7	Grantville to Mission San Diego	37	92
20	-8.0	69.5	Mission San Diego to Stadium	14	48
58	1.3	78.8	Stadium to Fenton Parkway	66	143
38	-2.4	75.1	Fenton Parkway to Rio Vista	39	97
20	-7.9	69.6	Rio Vista to Mission Valley Center	14	48
20	-7.9	69.6	Mission Valley Center to Hazard Center	14	48
29	-4.7	72.8	Hazard Center to Fashion Valley	27	75
40	-2.0	75.5	Fashion Valley to Morena/Linda Vista	42	101
20	-8.0	69.4	Morena/Linda Vista to Old Town	14	48

		Distance to VdB (feet)			
Speed	Adjustment	75	72	65	VdB
15	-10.5	1	9	33	67.0
20	-8.0	6	14	48	69.5
25	-6.0	11	21	63	71.5
30	-4.4	16	28	77	73.1
35	-3.1	21	35	90	74.4
40	-1.9	26	42	102	75.5
45	-0.9	31	49	114	76.6
50	0.0	36	55	125	77.5
55	0.8	41	62	136	78.3
60	1.6	45	68	147	79.1

Appendix K: Estimated Number of Students Generated Based on the Potential Future Housing Capacity of the Proposed Mission Valley Community Plan Update

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San Diego Unified
SCHOOL DISTRICT

Instructional Facilities Planning Department
Sarah Hudson/Demographer
TEL.: (619) 725-7369
shudson@sandi.net

September 7, 2018

Ms. Elena Pascual
Environmental Planner
City of San Diego, Planning Department
Submitted via email to: EPascual@sandiego.gov

Subject: ESTIMATED NUMBER OF STUDENTS GENERATED BASED ON THE POTENTIAL FUTURE HOUSING CAPACITY OF THE PROPOSED MISSION VALLEY COMMUNITY PLAN UPDATE

Dear Ms. Pascual:

We are in receipt of your August 30, 2018 request for potential student generation information for the proposed Mission Valley Community Plan Update. In this letter we address your questions and provide requested information.

Existing Housing Units and Proposed Future Additional Housing Units

From information provided in your request, the number of existing housing units in the base year (2012) and the number of future additional housing units in the future buildout year (2050) have been determined. They are noted in Table 1.

TABLE 1. Number of Existing Housing Units and Proposed Future Additional Housing Units

Housing Type	Number of Existing Units (2012)	Number of Future Units (2050)	Change
Single Family	1	0	-1
Multi Family	11,243	39,157	27,914
Total	**11,244**	**39,157**	**27,913**

Estimated Student Generation

Student generation rates vary based on the type of project, number of units, bedroom mix, affordable or senior housing components, proximity to schools and other amenities, neighborhood, and other factors. There are not district standard or school-specific rates.

Typically, to provide student generation rates for a new residential development, we research similar nearby developments and their student generation rates, as a guide for how many students the new development may generate. This request, however, is not for a specific project, but rather for a potential increase in total housing units in a specific Community Plan Area at a future point in time. Many factors are not yet determined, such as the specific type of housing and bedroom mix that may be constructed.

Therefore, our best strategy to estimate the number of students potentially generated by future buildout of the Mission Valley Community Plan Area is to reference the number of existing housing units in the CPA and the number of students who reside in the CPA (based on San Diego Unified School District data) to determine current student generation rates. Since the base year is 2012, we use 2012-13 school year student numbers.

TABLE 2. Student Generation Rates from Existing Housing Units

Housing Type	Number of Existing Units (2012)	2012-13 students (K-5, 6-8, 9-12, and K-12)	Student Generation Rate
Single Family	1	None	None
Multi Family	11,243	K-5: 362 6-8: 103 9-12: 133 **K-12: 598**	K-5: 0.032 6-8: 0.009 9-12: 0.012 **K-12: 0.053**

Based on the information in Tables 1 and 2, potential student generation from future buildout of additional housing units as called for in the Mission Valley Community Plan update is shown in Table 3. The current rate is the low range and the high range is double the low range.

TABLE 3. Potential Student Generation Rates from Future Additional Housing Units

Housing Type	Number of Additional Housing Units	Estimated Student Generation Rates	Number of Potential Students
Single Family	None	Not applicable	Not applicable
Multi Family	27,914	K-5: 0.032-0.064 6-8: 0.009-0.018 9-12: 0.012-0.024 **K-12: 0.053-0.106**	K-5: 893-1,786 6-8: 251-502 9-12: 335-670 **K-12: 1,479-2,958**

A key assumption is future additional housing units will generate students at a rate similar to current housing units. If future additional housing units are significantly more attractive to families than the current housing is, the number of students could be higher than estimated.

The potential increase in students from the future additional housing units suggested in the Community Plan update is likely to impact district facilities to the point of reaching capacity. Measures such as reduction of non-resident students would need to be undertaken to ensure space is available for future resident growth. Attendance boundary changes may also be needed. In addition, San Diego Unified is planning a new elementary school within the Civita development, which will increase capacity.

Please keep us apprised of revisions to development plans as new information may result in changes to the information stated in this letter. Thank you.

Sincerely,

Sarah Hudson
Demographer

M:\IFPD - 5494A\Demographics\New Housing and Redev\Mission Valley\Potential Student Generation - Mission Valley Community Plan Update.docx

Appendix L: Water Supply Assessment

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THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: November 29, 2018

TO: Elena Pascual, Environmental Planner, Planning Department

FROM: Khuram Shah, Associate Engineer, Long-Range Planning & Water Resources Division

SUBJECT: Water Supply Assessment for the Mission Valley Community Plan Update (IO #21004103))

In response to your request, please find attached a Water Supply Assessment (WSA) for the Mission Valley Community Plan Update approved by the Interim Director of Public Utilities Department.

The Public Utilities Department (Department) prepared this WSA to assess whether sufficient water supplied is, or will be, available to meet the projected water demands of the Project. The findings verify that there is sufficient water supply to serve the existing water demands, projected water demands, and future water demands of the Project within the Department's water service area, in normal and dry year forecasts during a 20-year projection.

Note that per California Water Code Section 10910, the formation adoption of the WSA is required by the San Diego City Council.

If you have any questions, please call me at (619) 533-4222.

KS/ks

Khuram Shah

Attachment: Water Supply Assessment Report

cc: Lan C. Wiborg, Deputy Director, Long-Range Planning & Water Resources Division
George Adrian, P.E. Program Manager, Long-Range Planning & Water Resources Division

WATER SUPPLY ASSESSMENT REPORT

Mission Valley Community Plan Update Project

Prepared by:

City of San Diego Public Utilities Department

Reviewed by:

11/26/18

Matt Vespi, Interim Director **Date**
Public Utilities Department

Prepared: October 15, 2018

City of San Diego Public Utilities Department
Water Supply Assessment Report

Mission Valley Community Plan Update Project

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Section 1 - Purpose

On January 1, 2002, Senate Bill 610 (SB 610) and Senate Bill 221 (SB 221) took effect. The intent of SB 610 and SB 221 was to improve the link between information on water supply availability and certain land use decisions made by cities and counties. Under SB 610 (codified in the Water Code beginning at Section 10910), a water supply assessment (WSA) must be furnished to cities and counties for inclusion in any environmental documentation of projects (defined in the Water Code) that propose to construct 500 or more residential units, or that will use an amount of water equivalent to what would be used by 500 residential units, and are subject to the California Environmental Quality Act (CEQA). Under SB 221, approval by a city or county of certain residential subdivisions requires an affirmative written verification of sufficient water supply or water supply verification (WSV).

Not every project that is subject to the requirements of SB 610 is subject to the mandatory water verification of SB 221. Conversely, not every project that is subject to the requirements of SB 221 is subject to SB 610.

A foundational document for compliance for both SB 610 and SB 221 is the Urban Water Management Plan (UWMP) of the relevant water agency. Both SB 610 and SB 221 identify the UWMP as a planning document that can be used by a water supplier to meet the standards set forth in both statutes. Thorough and complete UWMPs will allow water suppliers to fulfill the specific requirements of the two statutes. Cities, counties, water districts, property owners, and developers utilize their respective UWMPs when planning for and proposing new projects. It is crucial that cities, counties, and water suppliers work together when developing and updating these planning documents. The City of San Diego's 2015 UWMP was developed in collaboration with the San Diego County Water Authority (Water Authority) and adopted by the San Diego City Council in June 2016, and serves as the basis for this Water Supply Assessment Report (Report).

The City of San Diego Planning Department (Planning Department) requested that the City of San Diego Public Utilities Department (PUD) prepare this Report as part of the environmental review for the Mission Valley Community Plan Update Project (Project). A more detailed description of the Project is provided in Section 2 of this Report. This Report evaluates water supplies that are or will be available during normal, single-dry year, and multiple-dry water years during a 20-year projection to meet the projected demands of the Project, in addition to existing and planned future water demands of the PUD. This Report provides an assessment of the availability of water supplies for the Project only, and does not constitute approval of the Project.

This Report also includes identification of existing water supply entitlements, water rights, water service contracts, or agreements relevant to the identified water supply for the Project and quantities of water received in prior years pursuant to those entitlements, rights, contracts, and agreements.

This Report has been prepared in compliance with the requirements under SB 610 by the PUD in consultation with the Planning Department, the Water Authority, and the Metropolitan Water District of Southern California (MWD).

Section 2 - Project Description

The Mission Valley Community Plan Update Project (Project) encompasses an area of approximately five (5) square miles and is bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and Interstate-5 on the west. The Project is bordered by several other community planning areas: Old Town San Diego, Uptown, Greater North Park, Normal Heights, Kensington-Talmadge, College Area, Navajo, Tierrasanta, Kearny Mesa, Serra Mesa, Linda Vista, and Mission Bay Park. The Project area is regionally accessible from Interstate-5, Interstate-8, Interstate-15, Interstate-805, and State Route-221. The Project vicinity map is shown in Figure 2-1.

FIGURE 2-1
VICINITY MAP OF PROJECT



The Project is a comprehensive update of the Mission Valley Community Plan, which was originally adopted in 1985 and has undergone over 20 amendments. The Project area is a regional center of offices, hotels, and retail businesses, with a growing residential community. The San Diego Rivers lies at the foot of the valley, flowing east to west.

The Project is anticipated to include policies and actions to foster a mixed-use, transit-oriented, and pedestrian-friendly Mission Valley community, promote additional housing, enhance the San Diego River, and provide additional open spaces.

Section 3 - Findings

Water Assessment

Project:
This Report identifies that the proposed water demand projections for the Project are included in the regional water resource planning documents of the City, Water Authority and MWD. Current and future water supplies, as well as actions necessary to develop the future water supplies, have been identified. This Report demonstrates that there will be sufficient water supplies available during normal, single-dry year, and multiple-dry water years over a 20-year projection to meet the unanticipated demands of the Project.

Based on the City's and Water Authority's respective 2015 UWMPs, there is sufficient water planned to supply the Project's estimated annual average usage (Table 3-1). The estimated water demands of the Project are 7,034,136 gallons per day (GPD), or 7,879.3 acre-feet per year (AFY). In the City's 2015 UWMP, the planned water demand of this project site is 7,344,053 GPD (8,226.4 AFY) in 2040. As such, there is no demand for use of the Accelerated Forecasted Growth (AFG), nor any net unanticipated demands for the Project.

TABLE 3-1
WATER DEMAND ANALYSIS

City Planned Water Demands for Project (2015 UWMP)			
Category	**Quantity** (units/employees)	**Estimated Potable Water Demand**	
		Gallons per Day (GPD)	**Acre-Foot per Year (AFY)**
SANDAG SERIES 13: 2040			
Multi-Family Units[1]	18,388	3,236,288	3,625.1
Single-Family Units[2]	1,688	607,005	679.9
Employees[3]	58,346	3,500,760	3,921.4
Total		**7,344,053**	**8,226.4**
Projected Water Demands for Community Plan Update by Year 2040			
Category	**Quantity** (units/employees)	**GPD**	**AFY**
Multi-Family Units[1]	20,076	3,533,376	3,957.9
Single-Family Units[2]	0	0	0
Employees[3]	58,346	3,500,760	3,921.4
Total		**7,034,136**	**7,879.3**
Net Water Demands			
Projected Demand		7,034,136	7,879.3
City of San Diego 2015 UWMP – Planned Demand		7,344,053	8,226.4
Water Authority AFG – Planned Demand		0	0
Net Unanticipated Demands		0	0

Table 3-1 Notes:

1. 80 gpcd is the standard for multi-family unit water consumption (includes small landscaping water demands). The standard for multi-family housing density is 2.2 persons per unit.
2. 116 gpcd is the standard for single-family unit water consumption (includes nominal landscaping water demands). The standard for single-family housing density is 3.1 persons per unit.
3. The utilization of 60 gallons per person per day is the standard for employment water use (includes nominal landscaping water demand).

Existing and Future Developments Planned to Occur by 2040:
The City's 2015 UWMP demonstrates there will be sufficient water supplies available to meet demands for existing and planned future developments that are projected to occur by 2040. Based on a normal water supply year, the estimated water supply projected in five-year increments for a 20-year projection will meet the City's projected water demand of 200,984 acre-feet[A] (AF) in 2020 to 273,408 AF in 2040 (**Table 6-6**) for these developments. Similarly, based on a single-dry year forecast (**Table 6-7**), the estimated water supply will meet the projected water demand of 290,292 AF (2040). Based on a multiple-dry year, third year supply (**Table 6-8**), the estimated water supply will meet the projected demands of; 208,665 AF (2020); 251,402 AF (2025); 275,139 AF (2030); 284,412 AF (2035); and 284,058 AF (2040).

Conclusion

In summary, these findings substantiate that there is sufficient planned water supply to serve this Project's future water demands within the PUD's water service area in normal, single-dry year, and multiple-dry water year forecasts.

Therefore, this Report concludes that the projected level of water demand for this Project is within the regional water resource planning documents of the City, Water Authority, and MWD. Current and future water supplies, as well as the actions necessary to develop these supplies, have been identified in the water resources planning documents of the PUD, Water Authority, and MWD to serve the projected demands of the Project, in addition to existing and planned future water demands of the PUD.

[A] An acre-foot of water equals 325,851 gallons, which is enough water for two (2) average families of four (4) for one (1) year.

Section 4 - City of San Diego Public Utilities Department

The City purchased its initial water system in 1901, from the privately owned San Diego Water & Telephone Company. Since then, continual expansion of the water system has been required to meet the demands of the growing population of the City. To meet the demand, the PUD purchased a number of reservoirs between 1913 and 1935 to supplement local water supplies. Despite low annual precipitation in the area (approximately 10 inches per year), these reservoirs supplied the City's growing demands until 1940.

The need to import water emerged with the increased demand generated by the presence of the United States Navy prior to and during World War II, and the ensuing population growth. As a result, the PUD and other local retail water distributors formed the Water Authority in 1944 for the purpose of purchasing Colorado River water from MWD. The PUD and other local retail water distributors began receiving imported water from the Colorado River in 1947.

Today, the PUD treats and delivers more than 162,000 AFY of water to approximately 1.39 million residents. The water system extends over 400 square miles, including 330 square miles in the City. The PUD potable water system serves the City and certain surrounding areas, including both retail and wholesale customers. The Project is located within the PUD's water service area.

In addition to delivering potable water, the City has a recycled water program. Its objectives are to: optimize the use of local water supplies, lessen reliance on imported water, and free up capacity in the potable system. Recycled water provides the City a dependable, year-round, locally produced and controlled water resource.

4.1 Overview of Potable System Facilities

The water system consists of: nine (9) raw water storage facilities with over 566,000 AF of storage capacity, three (3) water treatment plants, 29 treated water storage facilities, and over 3,295 miles of transmission and distribution lines.

The PUD maintains and operates nine (9) local surface raw water storage facilities, which are connected to the City's water treatment operations. The Lower Otay, Barrett and Morena Reservoirs (132,566 AF total capacity) service the Otay Water Treatment Plant (Otay WTP) in south San Diego; the El Capitan, San Vicente, Sutherland, and Lake Murray Reservoirs (396,357 AF total capacity) service the Alvarado Water Treatment Plant (Alvarado WTP) in central San Diego; and the Miramar Reservoir (6,682 AF total capacity) services the Miramar Water Treatment Plant (Miramar WTP) in north San Diego. Lake Hodges Reservoir has a total capacity of 30,632 AF and is connected to Olivenhain Reservoir, which is owned by the Water Authority. Olivenhain Reservoir is connected to the Water Authority's second aqueduct. Through this connection, Hodges water can be delivered to all City treatment plants. The City has the ability to access 50 percent of the local water available in Hodges Reservoir via the Water Authority's delivery system.

The PUD maintains and operates three (3) water treatment plants mentioned above with a combined total rated capacity of 423,637 AFY, or 378.2 million gallons per day (MGD). The Miramar WTP, originally constructed in 1962, has a rated capacity of 161,300 AFY (144 MGD), with the ability to increase to 240,830 AFY (215 MGD) in the future. Construction to replace the two (2) old clearwells at the plant began in June 2016, and is scheduled to be completed in August 2020. The Miramar WTP generally serves the City's geographical area north of the San Diego River (north San Diego). The Alvarado WTP, operational since 1951, had an initial

capacity rating of 134,417 AFY (120 MGD). Several hydraulic improvements and upgrades were completed in 2011, which increased the capacity of the plant to 224,028 AFY (200 MGD). The State Water Resources Control Board (SWRCB) has approved this rating for the Alvarado WTP. The plant generally serves the geographical area from National City to the San Diego River (central San Diego). The Otay Water Treatment Plant (Otay WTP) was constructed in 1940, and has a current rated capacity of 38,309 AFY (34.2 MGD). The Otay WTP has hydraulic capacity to increase to 67,209 AFY (60 MGD) in the future. Upgrade work was completed in 2012, including the construction of a third (3rd) flocculation and sedimentation basin, filter piping, and media improvements. The Otay WTP generally serves the geographical area bordering Mexico (south San Diego) and parts of the southeastern portion of central San Diego.

The PUD maintains and operates 29 treated water storage facilities including steel tanks, standpipes, concrete tanks and rectangular concrete reservoirs, with capacities varying from less than one to 35 million gallons.

The water system consists of more than 3,295 miles of pipelines, including transmission lines up to 84 inches in diameter and distribution lines as small as four (4) inches in diameter. Transmission lines are pipelines 16 inches and larger in diameter that convey raw water to the water treatment plants and convey treated water from the water treatment plants to the treated water storage facilities. Distribution lines are pipelines 16 inches and smaller in diameter that directly service the retail users connected to a meter. In addition, the PUD maintains and operates 49 water pump stations that deliver treated water from the water treatment plants to approximately 280,044 metered service connections in 129 individual pressure zones in the City's retail service area. PUD also maintains several emergency connections to and from neighboring water agencies, including the Santa Fe Irrigation District (connected to Miramar WTP), the City of Poway (connected to Miramar WTP), Olivenhain Municipal Water District (connected to Miramar WTP), the Cal-American Water Company (connected to Alvarado and Otay WTPs), Sweetwater Authority (connected to Otay WTP), and the Otay Water District (connected to Otay WTP).

4.2 Overview of Recycled System Facilities

The City's recycled water system consists of two (2) water reclamation plants with a combined total wastewater treatment capacity of 50,406 AFY (45.00 MGD), and three (3) recycled water storage facilities with over 12 million gallons of storage capacity, and more than 98 miles of transmission and distribution lines.

Located in the Miramar area, the North City Water Reclamation Plant (NCWRP) treats an average of 17,754 AFY (15.85 MGD) of wastewater, and has an ultimate treatment capability of 33,604 AFY (30.00 MGD). In fiscal year (FY) 2017, a total of 7,438 AFY (6.64 MGD) was beneficially reused. The PUD maintains and operates the Northern Service Area distribution system which consists of approximately 94.7 miles of recycled water pipeline, two (2) storage facilities (reservoirs), and two (2) pump stations. By the end of FY 2017, 704 meters were served by the recycled water distribution system. PUD staff continues to work with potential "in-fill" customers interested in using recycled water for irrigation and/or industrial purposes, who are located within close proximity of the recycled water distribution system.

Located at the end of Dairy Mart Road, near the International Border with Mexico, the South Bay Water Reclamation Plant (SBWRP) treats an average of 8,379 AFY (7.48 MGD) of wastewater. The SBWRP has a treatment capability of 16,802 AFY (15.0 MGD). In FY 2017, an average of 4,256 AFY (3.80 MGD) was beneficially reused. The PUD maintains and operates the Southern Service Area distribution system which consists of three (3) miles of recycled water

pipeline, one (1) storage tank, one (1) pump station and service to five (5) meters. Due to the limited size of the distribution system, the majority of the recycled water is sold to the Otay Water District.

Section 5 - Existing and Projected Supplies

The PUD relies on purchased water from a regional wholesale water provider, the Water Authority, as its major water supply source. The Water Authority is a public agency that is governed by its 24 member retail water agencies, including the City of San Diego. The Water Authority maintains a diverse portfolio of water supplies including purchases of imported water from a large wholesale water provider, the Metropolitan Water District of Southern California (MWD). The Water Authority, in turn, is a member agency of MWD and participates in its governance along with 25 other water agencies. The statutory authorities granted to the Water Authority and MWD, establish the scope of the PUD's entitlements to water. Due to the PUD's reliance on purchased water from these two (2) agencies, this Report relies and includes information on the existing and projected supplies, supply programs, and related projects of the Water Authority and MWD.

The City relies on the long-term water resources planning documents of the Water Authority and MWD to support the work on this Report. Each agency must update its Urban Water Management Plan every five (5) years. The 2015 UWMPs were completed and submitted to the State on July 1, 2016, and are the most current point of reference. The 2015 UWMP documents are available at the following websites and contacts:

San Diego County Water Authority – Contact:
Ms. Dana Friehauf, Water Resources Manager (858) 522-6749

http://www.sdcwa.org/uwmp

Metropolitan Water District of Southern California – Contact:
Ms. Grace Chan, Resource Planning & Development Manager (213) 217-6798

http://mwdh2o.com/PDF_About_Your_Water/2.4.2_Regional_Urban_Water_Management_Plan.pdf

Until the 1990s, the Water Authority was 95 percent dependent on imported water supplies from MWD to meet demands in the San Diego region. In 1991, the Water Authority faced a potential 50 percent cutback in supplies from MWD that was abated by the "March Miracle" rains. Immediately following, the Water Authority embarked upon an aggressive water supply diversification strategy coupled with an aggressive water storage program that has resulted in much greater water supply reliability for the region. Additionally, MWD has increased its regional storage ten-fold, and has provided financial incentives towards local water supply development by its member agencies. A brief overview of MWD and the Water Authority, including the PUD relationship to these agencies, is included below.

A description of local surface and local recycled water supplies available to the PUD can be found in Section 5.4 of this Report.

5.1 Metropolitan Water District of Southern California

The MWD was created in 1928, under the authority of the Metropolitan Water District Act[B] (the "MWD Act"). MWD's primary purpose is to provide a supplemental supply of wholesale water for domestic and municipal uses to its constituent agencies. When MWD began delivering water, its service area consisted of approximately 625 square miles. Its service area has increased by 4,575 square miles since that time. The expansion is primarily the result of annexation of the service areas of member agencies.

Today, MWD's service area comprises approximately 5,200 square miles. It includes portions of six (6) counties: Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. There are 26 member agencies of MWD, consisting of 14 cities, 11 municipal water districts and the Water Authority. The Water Authority is MWD's largest customer, purchasing or exchanging 28.3 percent of all water flowing through MWD's system[C].

A Board of Directors, currently numbering 38 members, governs MWD. Each constituent agency has at least one (1) representative on the MWD Board. Representation and voting rights are based upon the assessed valuation of property within each constituent agency. The Water Authority has four (4) members represented on the MWD Board with 17.47 percent of the weighted vote. The total population of the MWD service area is currently estimated at more than 19 million people.

MWD's existing water supplies have been historically sufficient to meet demands within its service area during years of normal precipitation. Although MWD plans and manages reserve supplies to account for normal occurrences of dry conditions, regulatory actions, including, but not limited to, restrictions under the Federal and California Endangered Species Acts, have at times placed limitations on MWD's ability to provide water to its member agencies. Extreme drought conditions have also caused MWD supply restrictions occasionally.

In the future, population growth, regulatory restrictions, and other factors such as climate change could impact MWD's ability to supply its member agencies even in normal years. However, it is important to note that the cost of MWD's water supplies is approaching a point at which the development of local water supplies is increasingly cost-competitive. As such, major initiatives are underway by retail water agencies to develop local water supplies and reduce MWD deliveries. This suggests that a new scenario may be emerging in which MWD may have surplus water supplies on a more regular basis as its member retail water agencies increasingly roll off imported water supplies in favor of available, more reliable, local water supplies.

MWD Water Supply

The Water Authority has preferential rights to 18.42 percent of MWD's water supplies, which currently include water from its two (2) sources, the Colorado River and the State Water Project (SWP).

Colorado River Water

The Colorado River was MWD's original source of water after its establishment in 1928. MWD owns and operates the 242 mile-long Colorado River Aqueduct, which starts at Lake Havasu in Arizona, and terminates at Diamond Valley Lake in Riverside County.

[B] California Statutes 1927, Chapter 429, as reenacted in 1969 as Chapter 209, as amended
[C] http://www.mwdh2o.com/PDF_Who_We_Are/2015-MWD-Annual-Report-web.pdf, page 139

Under numerous compacts, federal laws, court decisions and decrees, contracts, and regulatory guidelines, collectively known as the "Law of the River," that govern the use of water from the Colorado River, California is entitled to 4.4 million acre-feet of Colorado River water annually. Additionally, California is entitled to one-half (1/2) of any surplus water that may be available for shared use with Arizona and Nevada as determined on an annual basis by the United States Secretary of the Interior. Under the priority system that governs the distribution of Colorado River water made available to California, MWD holds the fourth (4^{th}) priority right of 550,000 acre-feet per year, and a fifth (5^{th}) priority right of 662,000 acre-feet per year. MWD's fourth (4^{th}) priority right is within California's basic annual apportionment of 4.4 million acre-feet; however, the fifth (5^{th}) priority right is outside of this entitlement and is not considered a firm supply of water. MWD also retains a "call" on 100,000 acre-feet per year on water transferred to the Coachella Valley Water District and the Desert Water Agency, if needed, so long as they pay for the financial obligations associated with the water during the call period.

Several fish and other wildlife species either directly or indirectly have the potential to affect Colorado River operations, thus changing the amount of water deliveries to the Colorado River Aqueduct. A number of species that are on either "endangered" or "threatened" lists under the federal and/or California Endangered Species Acts (ESAs) are present in the area of the Lower Colorado River. MWD and other stakeholder agencies have developed a multi-species conservation program that allows MWD to obtain federal and state permits for any incidental take of protected species resulting from current and future water and power operations of its Colorado River facilities, and to minimize any uncertainty from additional listings of endangered species.

In order to maximize the potential for Colorado River supplies, MWD has established partnering opportunities with the Imperial Irrigation District to fund and implement a joint agricultural conservation program.

State Water Project

The State Water Project is owned by the State of California and operated by the State Department of Water Resources (DWR). The SWP's source waters originate in Northern California with water captured from the Feather River Watershed behind Lake Oroville Dam. The Oroville Dam releases water into the Feather River which is tributary to the Sacramento River, where it combines with other drainages from the western Sierras in the Sacramento-San Joaquin River Delta east of the San Francisco Bay Estuary. MWD receives water pumped from the Harvey O. Banks Pumping Plant in the southern portion of the Sacramento-San Joaquin River Delta, via the 444 mile-long California Aqueduct, to four (4) delivery points near the northern and eastern boundaries of MWD. MWD is one (1) of 29 agencies (Contractors) that have long-term contracts for water service from DWR, and is the largest agency in terms of the population served, the share of SWP water to which it is entitled, and the total amount of annual payments made to DWR. MWD's contract with DWR provides for the ultimate delivery of up to 1,911,400 acre-feet per year (46 percent of the total SWP entitlement). The SWP was originally intended to meet demands of 4.2 million acre-feet per year. Initial SWP facilities were completed in the early 1970s, and it was envisioned that additional facilities would be constructed as contractor demands increased. Several factors, including public opposition, increased costs, and increased non-SWP demands for limited water supplies, combined to delay the construction of additional facilities.

The quantity of SWP water available for delivery each year is controlled by hydrology, environmental and operational considerations. In addition to its importance to urban and agricultural water users, the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (Bay-Delta) is of critical ecological importance. The Bay-Delta is the largest estuary on the west coast of the United States and provides habitat for more than 750 plant and animal species. One-hundred-fifty (150) years of human activity have contributed to the destruction of habitat, the decline of several estuarine and anadromous fish species, and the deterioration of water quality. These activities include: increasing water demands from urban and agricultural uses, the dredging and filling of tidal marshes, the construction of levees, urban runoff, agricultural drainage, runoff from abandoned mines, and the introduction of non-native species, thus affecting the supply and reliability of this source.

California Water Fix

The California Department of Water Resources (DWR) is in the process of introducing a plan known as the *California Water Fix.* Which would construct 35 miles of twin tunnels capable of transferring 9,000 cubic feet per second of freshwater from three intake facilities north of the Delta to the expanded Clifton Court Forebay located south of the Delta. There two (2) pumping plants would be constructed to maintain optimal water levels in the forebay for the existing State Water Project (SWP) and Central Valley Project (CVP) pumping facilities to better facilitate water exports during times of large rain events.

The proposed project is expected to provide additional water supply reliability for water importers, although the benefits will still be weather dependent.

DWR has altered the operations of the SWP to accommodate species of fish listed under the ESAs. These changes in project operations have reduced SWP deliveries. The impact on total SWP operations attributable to the ESA listed Delta smelt and salmon species biological opinions combined is estimated to be one (1) million acre-feet in an average year, reducing SWP deliveries from approximately 3.3 million acre-feet to approximately 2.3 million acre-feet for the year under average hydrology. The reduction in SWP deliveries attributable to these biological opinions can vary greatly depending on the level of precipitation and are estimated to range from 0.3 million acre-feet during critically dry years to 1.3 million acre-feet in above normal water years.

The year 2016 proved to be an extremely difficult water year for California as it endured a fifth (5th) year of drought and record high temperatures.

On November 13, 2015, Governor Brown issued Executive Order B-36-15 calling for an extension of urban water use restrictions (based on Executive Order B-29-15) until October 31, 2016, should drought conditions persist through January 2016. The State Water Board modified the restrictions at its February 2, 2016 meeting to allow credit to a water agency's conservation standard for growth, climate and the development of local drought-resilient supplies, with a cap of eight (8) percent total credit. The City of San Diego was credited eight (8) percent for the development of desalinated seawater supplies at Carlsbad. As a result, San Diego's conservation standard was reduced from 16 percent to 8 percent – compared to 2013 water demands. On May 18, 2016 the State Water Board adopted a statewide water conservation approach that allowed urban water supplies to replace their previously assigned reduction target with a local stress test approach, if the supplier could show that they had at least a three (3) year water

supply under extended drought conditions[D]. The City was able to meet the stress test analysis requirements and moved to a zero (0) percent conservation requirement by the State, but locally the City is still enforcing permanent restrictions and conservation as a lifestyle for residents.

The 2016-2017 water year has been unusually wet, with precipitation in most parts of the State trending at levels exceeding the wettest year on record. On January 18, 2017, Governor Brown declared a State of Flood Emergency in 50 counties, including San Diego, as a result of the immense and persistent rain events. On April 7, 2017 Governor Brown declared an end to the drought conditions in California with Executive Order B-40-17, which rescinded the State of Emergency proclamation for most counties[E]. Current prohibitions against wasteful water use practices and requirements for monthly water use reporting remain in place. Executive Order B-37-16 remains in effect and directed State staff to develop a report to the legislature entitled "Making Water Conservation a California Way of Life." The report[F] was finalized in April 2017 and was submitted to the legislature.

5.2 San Diego County Water Authority

The Water Authority service area lies within the foothill and coastal areas of the westerly third (3rd) of San Diego County, encompassing 952,208 acres (1,488 square miles). When the Water Authority was established in 1944, its service area consisted of 94,707 acres. Of the total population of San Diego County, 97 percent live within the Water Authority's service area. Growth has primarily resulted from the addition and annexation of service areas by member agencies. The City, with a population of approximately 1.38 million served, and a service area of 210,726 acres, is by far the Water Authority's largest member agency and customer.

The Water Authority's service area is a semi-arid region where the natural occurrence of water from rainfall and groundwater provides a firm water supply for only a small portion of the water demands of the current population. Since 1990, the Water Authority has provided an average of 85 to 91 percent of the water supply within its service area. As a wholesaling entity, the Water Authority has no retail customers, only water delivery, storage and treatment services to its member agencies.

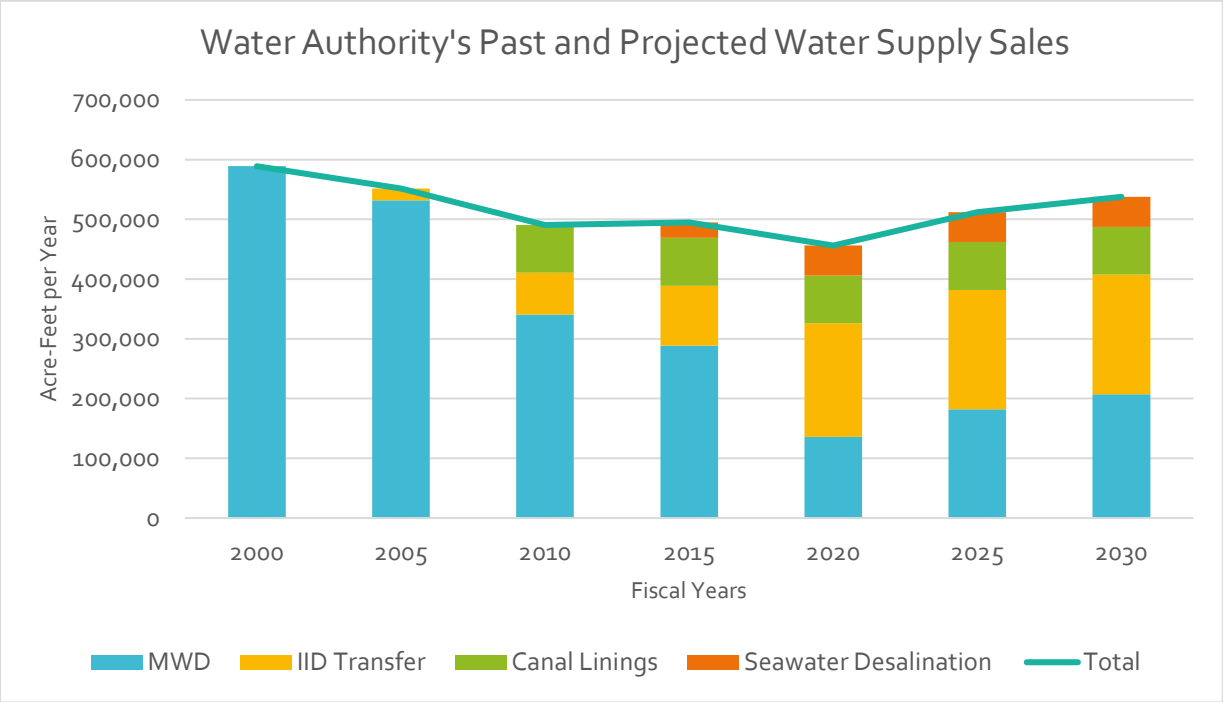
The Water Authority's mission is to provide its member agencies with a safe and reliable water supply. Historically, the principal source of supply for the Water Authority's service area has been water purchased from MWD for sale to the Water Authority's member agencies. However, drought conditions and population growth in the Water Authority's service area have highlighted the need for diversification of the region's water supplies. Consistent with its mission statement, the Water Authority has actively pursued a strategy of supply diversification that includes the acquisition and importation of additional water supplies, the development of additional local water supply projects and augmentation of its water supply via local and regional water storage capacity – as seen in Figure 5-1.

[D] http://www.sdcwa.org/regional-supply-sufficiency

[E] The drought emergency was lifted in all of California counties except Fresno, Kings, Tulare, and Tuolumne, where emergency drinking water projects continue to help address diminished groundwater supplies.

[F] www.water.ca.gov/wateruseefficiency/conservation/

FIGURE 5-1
WATER AUTHORITY'S HISTORIC AND PROJECTED WATER SALES



Sources: Water Authority's 2015 and 2007 Comprehensive Annual Financial Reports (CAFR) and 2015 UWMP

Water supplies utilized within the Water Authority service area originate from two sources: (1) water imported by the Water Authority that is either purchased directly from MWD or from proprietary sources of the Colorado River water that are transported via MWD's conveyance system, and (2) local supplies that are produced by the retail member agencies or is desalinated seawater purchased from Poseidon Water as part of the public-private partnership. Although MWD remains the Water Authority's largest source of water, recent years have also seen the diversification of sources of local and imported water, such that purchases of water from MWD are expected to decrease to represent only 10 to 15 percent of the region's water supply portfolio in 2021.

The Water Authority also invests in water conservation and orchestrates regional responses to drought emergencies. The 2016 demands for water purchased from the Water Authority dropped by 39 percent (or 250,000 AFY) from a high in 2007. As the State of California institutes a long-term framework for water-use efficiency in 2017, it is expected that per capita water use will remain lower than historical averages.

<u>The Quantification Settlement Agreement</u>
The Quantification Settlement Agreement (QSA) for the Colorado River was completed in October 2003. This historic agreement was enacted to help settle disputes regarding the persistent over-drafting of the state's 4.4 million acre-foot basic annual apportionment of Colorado River water. The agreement includes a long-term transfer of conserved water from the Imperial Irrigation District (IID) to the Water Authority. The QSA also commits the state to a restoration path for the environmentally sensitive Salton Sea and provides full mitigation for these water supply programs. Specific programs under the QSA that directly benefit the Water Authority include the Water Authority-IID water transfer agreement, which currently transfers 100,000 acre-feet of high priority Colorado River water to the Water Authority and

will provide up to 200,000 acre-feet of water a year through water conservation measures in Imperial Valley in 2021. The QSA also allows for the transfer of water from the IID for water conserved through the implementation of the Water Authority performed projects to install concrete linings on portions of the previously earthen All-American and Coachella Canals. The canal lining projects reduced the losses of water that historically occurred through seepage. MWD assigned to the Water Authority its right to develop approximately 77,700 acre-feet of conserved Colorado River water annually.

The QSA ensures that the San Diego region receives a minimum of 75 years of stable Colorado River water supplies. On November 5, 2003, the IID filed a validation action in Imperial County Superior Court, seeking a judicial determination that thirteen (13) agreements associated with the Water Authority-IID water transfer and the QSA are valid, legal and binding. Other lawsuits also were filed contemporaneously challenging the execution, approval and implementation of the QSA on various grounds. All of the QSA cases were coordinated in the Sacramento Superior Court. A final judgment, invalidating eleven (11) of the thirteen (13) agreements in Phase 1 of the trial, was entered on February 11, 2010, and subsequently appealed. On December 7, 2011, the Court of Appeal issued its opinion reversing the judgment and remanding to the trial court for further proceedings. The appellate Court decision resolved many issues in the case, including the validity and constitutionality of the QSA. A trial on compliance with the California Environmental Quality Act was held in November 2012. On June 4, 2013, the court validated the 2003 QSA and related 12 agreements regarding transfers and exchanges of Colorado River water between southern California water agencies. The IID, Coachella Valley Water District, MWD, and Water Authority all sought validation of the agreements from the court under California Water Code, Section 22762, and California Code of Civil Procedure, Section 860 et seq., quantifying the amount of Colorado River water each agency may divert and subsequently transfer. The court found the agreements to be valid and adopted in compliance with the requirements of the Brown Act and the California Environmental Quality Act (CEQA).

Conserved Water from Canal Lining Projects

In 2003, as part of the execution of the QSA on the Colorado River, the Water Authority contracted for 77,700 AFY of conserved water from projects to line the All American Canal (AAC) and Coachella Canal (CC). Deliveries of this conserved water from the CC reached the region in 2007, and deliveries from the AAC reached the region in 2010.

Seawater Desalination

In late November 2012, the Water Authority's Board of Directors approved a 30-year Water Purchase Agreement with Poseidon Water, a private investor-owned company, to purchase water from the proposed Carlsbad Desalination Plant, which is a fully-permitted ocean desalination plant and conveyance pipeline. The plant began producing 50 MGD in December 2015, and is now operating at full-scale. The Water Authority has contracted to purchase between a minimum of 42,000 AFY and a maximum of 50,000 AFY while two of the Water Authority's retail member agencies (Carlsbad and Vallecitos MWD) have contracted to purchase 6,000 AFY, for a total available production of 56,000 AFY.

In addition to developing its own regional supplies of water, the Water Authority has also encouraged the development of additional local water supply projects such as water recycling and groundwater projects, through the award of Local Water Supply Development (LWSD) incentives of up to $200 per acre-foot for recycled water and groundwater produced and beneficially reused within the Water Authority's service area. The purpose of the Water Authority's LWSD program is to promote the development of cost-effective water recycling and groundwater projects that prevent or reduce a demand for imported water and improve

regional water supply reliability. The LWSD Program reimburses member agencies for all, or a portion of the difference between the actual per acre-foot cost of producing recycled water, and the revenue generated by the LWSD participant through the sale of that acre-foot of recycled water (not to exceed $200 per acre-foot). In February 2008, the program was expanded to include funding for local brackish and seawater desalination projects. However, funding for new LWSD program projects is no longer appropriated in the Water Authority's budget.

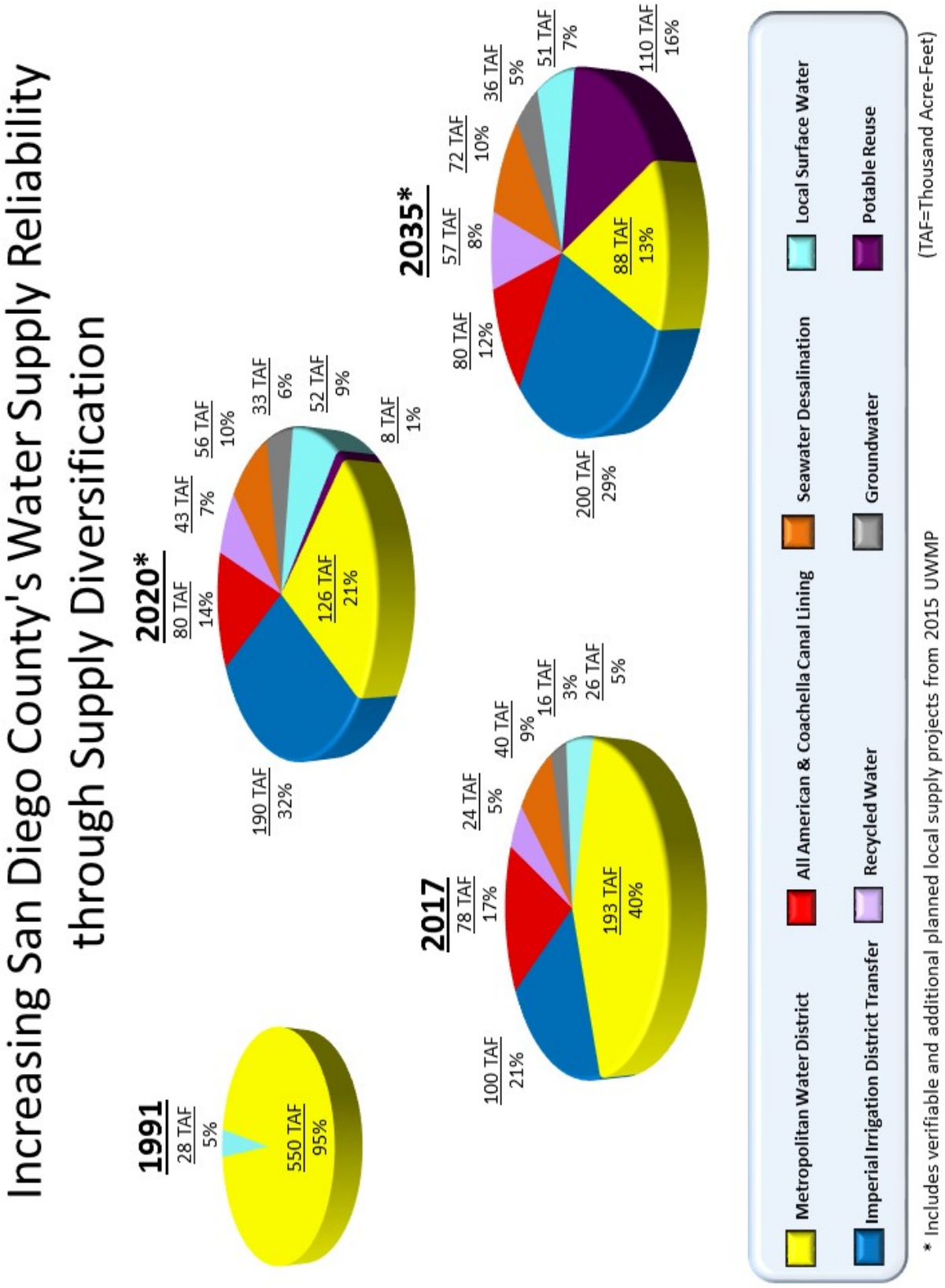
Emergency and Carryover Storage Programs

In addition to the region's investments in new supplies, the Water Authority has also undertaken a multi-phased Emergency Storage Program (ESP) aimed at increasing the amount of water available in storage to help attenuate dry year availability of water. In 2003, the Water Authority completed construction of a dam, creating the Olivenhain Reservoir that created 24,000 AFY of emergency storage capacity. In 2015, the Water Authority raised the City owned and operated San Vicente Dam, to increase emergency and carryover storage in the region by 176,000 acre-feet (AF). The additional in-region storage capacity will allow the Water Authority and its member agencies to be prepared for emergency conditions and also to buffer against dry year reductions in deliveries from imported supplies. Additionally, the Water Authority has rights to an additional 70,000 AF of groundwater storage in the Central Valley. These accounts with the Semitropic-Rosalind Water Bank Authority and the Semitropic Original Water Bank allow for annual withdrawals of 14,000 AFY.

As a result of the efforts undertaken by the Water Authority and its member agencies to diversify supplies and augment local storage, the region was able to certify supply sufficiency and achieve a zero percent conservation standard in response to the State Water Board's May 18, 2016 adopted rule requiring stress test analyses[E].

[G] http://www.sdcwa.org/regional-supply-sufficiency

FIGURE 5-2
SAN DIEGO COUNTY WATER AUTHORITY'S WATER SUPPLY DIVERSIFICATION



5.3 2009 Comprehensive Water Package

On November 4, 2009, the California State Legislature passed a comprehensive package of water legislation (the "2009 State Water Legislation") that included five (5) bills (four (4) of which were subsequently signed by Governor Schwarzenegger) addressing California's statewide water situation, with particular emphasis on the San Francisco Bay/Sacramento-San Joaquin-Delta (Bay-Delta). The 2009 State Water Legislation included an urban water conservation mandate of 20 percent for most localities in the State by 2020 (also known as the "20x2020 requirement"), and new regulations establishing strategic monitoring of groundwater levels around the state. The 2009 State Water Legislation also created two (2) new governmental agencies – the Delta Stewardship Council and the Sacramento-San Joaquin Delta Conservancy. The Delta Stewardship Council is charged with developing and implementing a Delta Plan, which would include the Bay Delta Conservation Plan, upon meeting certain conditions. The Sacramento-San Joaquin Delta Conservancy will implement ecosystem restoration activities in the Bay-Delta. In addition, the 2009 State Water Legislation included legislation addressing unauthorized Bay-Delta water diversions. At this time, it is not known what effect the 2009 State Water Legislation will have on future water supplies.

Additionally, the 2009 Legislation package included an $11.1 billion State general obligation bond measure. The water bond measure was originally certified to be on the State's 2010 ballot, but was subsequently pulled due to unfavorable public polling. That same bond measure was subsequently delayed twice. During the previous 2013-2014 legislative session, several bills were introduced with the intent of reducing and reconfiguring the dedicated expenditures in the original water bond measure. In late 2014, the legislature introduced the "Water Quality, Supply, and Infrastructure Improvement Act of 2014," which proposed a trimmed down version of the 2009 bond measure for a total of $7.5 billion. It was subsequently placed on the November 4, 2014 statewide ballot as Proposition 1, and approved by voters. Proposition 1 is a general obligation bond measure to fund a variety of state water supply infrastructure projects, such as public water system improvements, surface and groundwater storage, drinking water protection, water recycling and advanced water treatment technology, water supply management and conveyance, wastewater treatment, drought relief, emergency water supplies, and ecosystem and watershed protection and restoration. The bond funds will be distributed through a competitive grant process overseen by various state agencies, including the DWR, the SWRCB, and the California Water Commission. The State is in the process of developing and adopting guidelines for the various funding programs contained in Proposition 1. Some have been completed (such as the Water Recycling Funding Program/WRFP), and others are still in development (such as the Water Storage Investment Program/WSIP).

5.4 Public Utilities Department

The PUD currently purchases approximately 90 percent of its water from the Water Authority, which supplies the water (raw and treated) through two (2) aqueducts consisting of five (5) pipelines. While the PUD imports the majority of its water, it also uses four (4) local supply sources to meet or offset potable demands: local surface water, groundwater, conservation, and recycled water (Figure 5-2).

The adequacy of water supplies to serve existing and planned uses within the PUD's service area is demonstrated in the prior discussion on the water supply reliability of MWD and the Water Authority. The City has been receiving water from the Water Authority since 1947, and purchased between 155,300 and 228,300 AFY during the past 20 years. In FY 2017 water

purchases totaled approximately 162,100 AF. Depending on demands, growth and the success of local water supply initiatives, the volume purchases may remain constant, or increase to a projected maximum of 295,998 AFY in 2035 during normal years. For the purpose of this analysis the maximum is used.

5.4.1 Demonstrating the Availability of Sufficient Supplies

Imported Supplies

Section 5, Subdivision 11, of the County Water Authority Act, states that the Water Authority "as far as practicable, shall provide each of its member agencies with adequate supplies of water to meet their expanding and increasing needs." Depending on local weather and supply conditions, the Water Authority provides between 75 to 95 percent of the total supplies used by its 24-member agencies.

Local Surface Water Supplies

The PUD maintains and operates nine (9) local surface raw water storage reservoirs which are connected directly or indirectly to water treatment operations. In the San Diego region, approximately 13 percent of local precipitation produces surface run-off to streams that supply PUD reservoirs. Approximately half of this run-off is used for the municipal water supply, while the remainder evaporates during reservoir storage. In very wet years, the run-off remainder may spill over the reservoir dams and return to the Pacific Ocean. Average rainfall produces less than half (1/2) of the average run-off in San Diego. The local climate requires about average rainfall to saturate the soils sufficiently for significant surface run-off to occur. Therefore, most of the run-off to reservoirs is produced in years with much greater than average rainfall. Some flooding may occur even during average or below average rainfall years if the annual rainfall is concentrated in a few intense storms.

The use of local water is affected by availability and water resource management policies. The PUD's policy is to use local water first to reduce imported water purchases and costs. The PUD also operates emergency and seasonal storage programs in conjunction with its policy.

The purpose of emergency storage is to increase the reliability of the water supply system. This is accomplished by maintaining an accessible amount of stored water that could provide an uninterrupted supply of water to the City's water treatment facilities, should an interruption to the supply of imported water occur. The management of reservoirs is guided by Council Policy 400-04, which outlines the City's Emergency Water Storage Program. The policy mandates that the PUD store sufficient water in active, available storage to meet six-tenths (6/10) of the normal annual (7.2 months) City water demand requirements (conservation is not included). Active, available storage is that portion of the water that is above the lowest usable outlet of each reservoir.

The volume specific to the emergency storage requirement is adjusted monthly, based on the upcoming seven (7) months anticipated water demand. This results in a seasonally fluctuating emergency storage requirement, generally peaking in April and reaching its minimum in October. This seasonally fluctuating requirement makes a portion of the required emergency storage capacity available for impounding or seasonal storage.

The purpose of seasonal storage is to increase imported water supply. This is done by storing surplus imported water in the wet winter season for use during the dry summer season. This may also be accomplished by increased use of imported water in lieu of local water in the

winter when local water may be saved in reservoirs or groundwater basins for summer use. In addition to increased water yield, this type of seasonal operation also reduces summer peaking on the imported water delivery system.

Conservation

The PUD's Water Conservation Program is effective in promoting permanent water savings. Established by the City Council in 1985, the Water Conservation Program accounts for more than 31,240 acre-feet of potable water savings in FY 2017. This savings has been achieved by creating a water conservation ethic, adopting programs, policies and ordinances designed to promote water conservation practices, and implementing comprehensive public information and education campaigns.

The City offers a broad range of conservation methods to help meet the needs of our residential and commercial water customers. These include, but are not limited to, the following:

- Rebate programs for high efficiency toilets, washing machines and residential and commercial water saving devices
- Rebates for replacing grass with water wise landscapes, micro-irrigation systems and weather based irrigation controllers
- Rain barrel and downspout redirection rebates
- Graywater rebates
- Incentives to replace malfunctioning pressure regulating valves
- Indoor commercial water use surveys
- Residential interior/exterior and commercial landscape survey programs
- Public education and outreach

Research conducted by the City, the Water Authority, and the Water Research Foundation has shown that prior to the current drought, more than half (1/2) of residential water-use is outdoors. Therefore, the City implemented outdoor water conservation programs to focus on water efficient landscaping and irrigation management, which provides the best opportunity to achieve significant water savings.

Tools and services available for customers include:
Commercial and Residential Water Use Survey Programs: This service includes an account for all water-use on the property. The surveyor also checks to see if the irrigation system is functioning properly and for uniform coverage. On average, residential surveys result in a savings in water of 15 percent, while commercial surveys, depending on type of facility, can achieve 15 to 25 percent water savings.

Together with the Transportation & Storm Water Department, the PUD has implemented a popular rain barrel and downspout redirect rebate program. Rain barrels are used to collect rainwater from hard surfaces such as household rooftops, while downspout redirects are used to channel rain water to landscape areas rather than draining into the streets. When citizens install a rain barrel at their home, they are helping to maintain a healthy urban watershed by reducing the demand on the potable water system, while also reducing the amount of wet weather runoff that is collected and sent into the public storm water system.

San Diego Municipal Code (SDMC) 67.06 Water Submeters was adopted in April 2010, to encourage water conservation in multi-family residential and mixed use buildings by requiring the use of water submeters for each individual residential unit. Billing individual

residential units based on the actual amount of water consumed in the unit creates a financial incentive for residents of multi-family residential units to conserve water.

As discussed in Section 5.1, the SWRCB revised the City's conservation requirement in February and May 2016. However, the City continues to maintain an active water conservation program, which has consistently resulted in water savings when compared to the baseline usage in 2013.

Planning efforts to increase water conservation is an ongoing process. The aforementioned water conservation programs undergo periodic reevaluation to ensure the realization of forecasted savings. Additionally, changes in water conservation technologies may require reassessment of long-range plans. The PUD continues to work with proven water conservation programs, while including irrigation management programs to maximize water savings; regularly examines new technologies and annually assesses progress toward conservation goals; and, continues to work collaboratively with MWD and the Water Authority to formulate new conservation initiatives. The City's most recent water conservation report is available at http://www.sandiego.gov/water/pdf/purewater/2014/fy14annualwater140101.pdf. The report provides an ongoing assessment and status update, redirecting or enhancing efforts as needed.

Recycled Water Supplies

In FY 2017, the beneficial reuse of the recycled water was 11,317 AF (6,956 AF from the NCWRP and 4,361 AF from the SBWRP). Landscape irrigation continues to be the leading use of the recycled water. However, the customer base has become more varied over the years with an increase in the number of industrial and dual plumbed meter connections.

Proactive marketing activities targeting existing irrigation customers to encourage them to convert their cooling systems to recycled water, coupled with outreach efforts to connect new customers have been successful. Recycled water meter connections have increased over 63 percent over the last 10 years. By the end of FY 2017, the City is providing recycled water service to 704 retail meters and five (5) wholesale meter connections, including the City of Poway, Olivenhain Municipal Water District (three (3) connections) and Otay Water District. The FY 2017 top 10 retail customers included: the City's Park & Recreation Department, University of California San Diego (UCSD), Santaluz Golf Course, Miramar Marine Corps Air Station, El Camino Memorial Park, California Department of Transportation (Caltrans), Del Sur Community Home Owners Association (HOA), the Irvine Company, Qualcomm, and La Jolla Colony Association.

In FY 2017, financial incentives from the sale of recycled water resulted in over $2.06 million in savings towards imported water purchases. The financial incentives are a result of the Local Water Supply Development Program and the Local Resources Program agreements with the Metropolitan Water District and the San Diego County Water Authority.

The PUD, in cooperation with the Park & Recreation Department, has aggressively pursued the retrofitting of City parkland, street landscaping and open space to use recycled water for irrigation. Sites fronting recycled water distribution pipelines were targeted. By the end of FY 2017, the number has grown to 110 meter connections.

Groundwater Supplies

There are several groundwater basins in the San Diego region that PUD is planning to develop or is developing for municipal water supply or other beneficial use. Due to the recent addition of groundwater to PUD's water diversification portfolio, the annual groundwater that can be beneficially used is 500 AFY, which began in the year 2010 and has remained constant since. Currently, this usage is estimated to remain constant into the future.

Public Utilities Department's Capital Improvement Program

The PUD reevaluates the Water projects contained in the Capital Improvements Program (CIP) and the timing thereof periodically. Changes to the CIP are made to reflect changing priorities within the water system and occur as a result of project scope changes, date revisions, project sequencing, and operational considerations. The PUD expended approximately $920 million from July 1, 2008 through June 30, 2017 on CIP projects. Improvements included projects to upgrade and expand water treatment plants, rehabilitate raw and treated water storage facilities, construct major transmission pipelines, replace and/or upgrade existing pump stations, replace cast iron water mains citywide, expand the recycled water system, and other new supply initiatives. In November 2015, the City Council adopted water rate increases of 9.8 percent that began on January 1, 2016, and subsequent water rate increases for the next five (5) years. For Fiscal Year 2017, water rates will increase by 6.62 percent over the 12-month period. These rate increases will provide needed revenue to fund the upgrade and expansion of the water system in order to ensure a reliable water supply for all City residents, and to meet the SWRCB mandates.

The PUD updated the Water Facilities Master Plan in December 2015, and has identified 93 projects through the master planning effort for CIP implementation from fiscal years 2016-2035. The prioritization of CIP projects is based on City Council Policy 800-14.

Summary of Supplies

Historic imported water deliveries from the Water Authority to the PUD and local surface water, groundwater, conservation savings and recycled water deliveries are shown in **Table 5-1.**

Table 5-1
Historic Imported, Local and Recycled Water Demands*
Public Utilities Department

Fiscal Year	Imported Water (acre-feet)	Local Surface Water (acre-feet)	Conservation[1] (acre-feet)	Recycled Water (acre-feet)	Groundwater (acre-feet)	Total[2] (acre-feet)
1990	233,158	22,500	-	-	-	255,658
1995	162,404	59,024	8,914	-	-	230,342
2000	207,874	39,098	17,410	3,250	-	267,632
2005	204,144	26,584	29,410	4,294	-	264,432
2010	188,337	13,117	34,317	12,173	500	248,444

Table 5-1 Notes:
[1]Conserved water results in savings and is not a direct supply.
[2]Total includes water supplied and conserved.
*Includes retail and wholesale demands.

5.4.2 Plans for Acquiring Additional Supplies

Future Supplies

On December 10, 2013, the City Council approved 2012 Long-Range Water Resources Plan (2012 LRWRP), which is a high level strategy document that evaluates water supply and demand-side objectives against multiple planning objectives. The 2012 LRWRP was crafted based on a stakeholder-driven process that evaluated over 20 water supply options such as water conservation, recycled water, groundwater storage, brackish groundwater desalination, rainwater harvesting, graywater and potable reuse. The plan takes a long-range viewpoint through the year 2035 in addressing risk and the uncertainty of future water supply conditions. It is a plan that sets the tone or direction of where the City places its efforts in developing local water supplies.

Conservation and water recycling programs have been implemented and are under investigation for ways to be expanded or increased. The PUD is also actively developing groundwater resources and potable reuse.

Conservation

Like many agencies in California, the City is committed to reducing its per capita water consumption by at least 20 percent by the year 2020. Aside from the existing programs listed in Section 5.4.1 of this report, the City is also implementing the following programs to help reduce overall water consumption:

Conservation-oriented rate structures: A new rate structure, which took effect in January 2014, added a fourth (4^{th}) new tier for single-family residential customers that recognizes water conservation efforts, and increases the rates for higher tiers to discourage high volume usage. The City Council voted to maintain this four (4) tier residential rate structure through FY 2019.

Advanced Metering Infrastructure (AMI): The PUD has completed the installation of a citywide AMI fixed network, and the installation of all AMI meters is expected to be completed by February 2018. Data from the AMI system/endpoint became available to customers and customer service staff in July 2016. This information gives customers an additional tool to manage their water use and help detect leaks.

Potable Reuse / Pure Water San Diego

The City has taken multiple actions in recent years to investigate and expand its recycled water use. Based on the past recycled water investigations, the City has developed long-term water resources strategies that recommended the maximization of recycled water to be most cost-effectively achieved through potable reuse.

Potable Reuse is an approach the City is considering for maximizing the use of recycled water. Recycled water that is used for non-drinking uses, like irrigation and industrial processes, would undergo advanced water purification (AWP) to render it safe for reuse as a drinking water supply. The City's specific AWP process uses multiple treatment barriers to remove contaminants from the water and prevent them from re-entering the water supply. It begins with ozonation, biological filtration, membrane filtration, followed by reverse osmosis, and ends with advanced oxidation. The result is purified water that meets all drinking water standards, and is similar in quality to distilled water.

There are two (2) types of potable reuse: Indirect Potable Reuse (IPR) and Direct Potable Reuse (DPR). With IPR, the purified water is sent either a reservoir or groundwater basin, both of which act as an environmental buffer. The City's concept is to send the water to a reservoir and subsequently treat it at a drinking water treatment plant before distributing for drinking purposes. Direct potable reuse differs in that there is no environmental buffer, and instead, additional treatment above and beyond the AWP process would provide the buffer. In 2016, the SWRCB determined that it is feasible to establish uniform DPR criteria, but further research is still needed to set actual criteria. The research is currently being done, and the City will continue to monitor how future DPR regulations might influence potable reuse implementation.

The City's Water Purification Demonstration Project (2013) showed that IRP with reservoir augmentation (IPR/RA) is feasible and would create a local and sustainable source of water for San Diego. City Council unanimously adopted the final project report in April 2013; the report is available at the following link: www.purewatersd.org/projectreports. The City Council also directed staff to develop an implementation plan and schedule that considers potable reuse options for maximizing local water supply and reduced flows to the PLWTP. The plan is being implemented as the Pure Water San Diego Program (Pure Water) and will deliver 83 million gallons per day (MGD) of water by 2035; this will be a third of the City's water need. Pure Water will be built in phases. In Phase 1 a new Pure Water facility will be built at North City and produce 30 MGD of purified water to be conveyed to the Miramar Reservoir. The water will be treated at the adjacent Miramar Water Treatment Plant before being distributed. Phase 1 will be online in 2021.

Pure Water's remaining 53 MGD will be produced all in the central area of the City, or both the central and southern areas. Under all scenarios the water will be treated again at a drinking water plant before being distributed for consumption.

The City's application for a modified National Pollution Discharge Elimination Permit (modified permit) for the PLWTP was received by the USEPA and the Regional Water Quality Control Board (RWQCB) in January 2015. The current permit expired on July 31, 2015. In the interim, regulators administratively continue the present permit until final action on the renewal is taken. In October, 2016, the USEPA announced their tentative decision to approve the renewal of the modified permit. This action initiated the public hearing process that culminates in a final decision. Following several public meetings, RWQCB approved the modified permit in April 2017, citing the benefits of Pure Water as a new source of potable water, while also reducing the discharge to the ocean. Thereafter the California Coastal Commission also approved the permit in May 2017. During the summer of 2017 the USEPA will be dealing with the required consultations with National Marine Fisheries and anticipates signing the permit in August 2017. The new permit should be effective in September 2017 and would be in place for the following five (5) years.

Pure Water is integral to both the application to renew PLWTP's permit and the proposed permanent solution for future permits to be considered a secondary equivalent.

Groundwater

There are several groundwater basins in the San Diego region that the City has water rights, concerns, jurisdiction and an interest in developing for municipal water supply or other beneficial use. These basins are:

- San Pasqual Valley Basin
- Mission Valley Basin
- San Diego River Valley Basin (also known as Santee/El Monte Basin)
- Coastal Plain of San Diego (formerly known as the San Diego Formation, which includes the Sweetwater Valley Basin, Otay Valley Basin, and Tijuana Basin)[F]

The City of San Diego is committed to protecting its groundwater resources and preserving its established Pueblo water rights throughout the San Diego River Valley Basin and in the Coastal Plain of San Diego, which extend outside the municipal boundary. This right attaches to it, the use of all surface waters and groundwater of the streams that flowed through the original pueblo, including their tributaries, from their source to their mouth. The City's Pueblo right protects its ability to extract water from the basin to the extent of the needs of its inhabitants.

The City is currently finalizing several CIPs to utilize basin groundwater, which confirms the City's intent to develop and assert its right to develop any and all available groundwater needed for its inhabitants. The location of groundwater wells throughout the City's aforementioned basins can also be viewed as evidence of the City's intent, ability and on-going efforts to develop basin groundwater resources.

The groundwater quality from these basins is predominantly brackish. Technological improvements over the last few decades have enhanced the treatability of certain water sources, such as brackish groundwater, and reduced the associated costs. As mentioned previously, groundwater development is part of the City's planning and CIP efforts and remains a viable and economic water resource. Local water supply projects, particular groundwater supply exploration, offer multiple benefits to City rate payers; including, protection against drought, interruptions in imported water supplies, and local control.

Furthermore, the Sustainable Groundwater Management Act (SGMA) of 2014 provides a framework for sustainable management of groundwater supplies by local authorities. Under guidance of DWR, local agencies involved in SGMA implementation were required to form local groundwater sustainability agencies (GSAs) for each basin by June 2017.

The City has two groundwater basins that need to be effectively managed by forming a GSA and that are governed by SGMA legislation: San Pasqual Valley Groundwater Basin and the San Diego River Valley Groundwater Basin. On June 27, 2017, City Council approved forming a GSA and the preparation of a Groundwater Sustainability Plan (GSP) for each basin to comply with the requirements of SGMA. The GSPs must be adopted by 2022. By 2040, groundwater agencies in critically overdrafted basins should achieve sustainable groundwater management

[H] As part of the Sustainable Groundwater Management Act of 2014, a "Basin Boundary Modification" was submitted to the California Department of Water Resources (DWR) in 2016 requesting a modification to the boundaries of the Sweetwater Valley, Otay Valley, and Tijuana Valley groundwater basins as defined by DWR Bulletin 118. The requested Modification was approved in October 2016, and the three (3) basins were consolidated to include the whole of the underlying San Diego Formation aquifer as a 'new' groundwater basin – referred to as the "Coastal Plain of San Diego."

to avoid undesirable results, such as chronic depletion of groundwater, reduction of groundwater storage, degradation of water quality, depletion of surface water, or subsidence.

In general, the groundwater basins in the San Diego region are characterized by stable groundwater levels, with a notable exception in the San Pasqual Valley Basin. Groundwater quality in the San Diego region is often brackish, with total dissolved solids, chloride, and sodium impairing its use as a potable supply.

Groundwater Basin Descriptions

San Pasqual Valley Basin
The San Pasqual Valley Basin is an alluvial aquifer that underlies the designated agricultural preserve San Pasqual Valley. San Pasqual Valley Basin is valued for its groundwater and surface water resources. Nearly all the land overlaying San Pasqual Valley Basin is owned and managed by the City. Much of this property is leased to individuals for various agricultural and commercial land uses. The San Pasqual Valley Basin is located approximately 25 miles northeast of downtown San Diego. The total surface area of the groundwater basin is approximately 4,540 acres, with storage capacity of 58,000 acre-feet, and a safe yield of approximately 5,800 acre-feet per year.

The City is the Monitoring Entity for the San Pasqual Valley Basin as identified by the California Statewide Groundwater Elevation Monitoring (CASGEM) program. Working cooperatively with the DWR, the City established a network of monitoring wells for CASGEM to regularly and systematically track seasonal and long-term trends in groundwater elevations for this alluvial groundwater basin. Included in the monitoring network plan are three (3) multi-level monitoring wells that were installed by the United States Geological Survey (USGS) under a cooperative agreement with the City. Participation in the statewide CASGEM program allows basin groundwater data to be maintained and readily available through DWR's public data base.

The City has completed several feasibility studies to understand the enhancement of the long-term sustainability and quality of surface and groundwater within the basin. Currently, the City is exploring synergistic opportunities for regional water use amongst North County agencies and water districts surrounding the San Pasqual Valley Basin. The City continues to explore opportunities for protecting the groundwater resources for beneficial uses, including: water supply, agriculture, and the environment.

Mission Valley Basin
The City has been investigating the Mission Valley Basin. Topographically, Mission Valley is a narrow, east-west trending valley carved out by the San Diego River as it drains westward from Mission Gorge to the Pacific Ocean. The most conducive portion of the aquifer lies within the extent of a historical well field where the City has retained ownership of the property and where a substantial portion is overlain by Qualcomm Stadium and its parking lot.

In 1963 a fuel tank farm was built in Mission Valley at the mouth of Murphy Canyon, known as Mission Valley Terminal (MVT). Underground fuel contamination was suspected to begin in 1986. From 1986 to 1991, approximately 200,000 gallons of gasoline was released underground from the MVT located upstream of Qualcomm Stadium and contaminated the aquifer. The contamination extended from the tank farm, beneath Qualcomm property, to approximately where Interstate 805 crosses the San Diego River. Although remediation of the Mission Valley Basin had been ongoing for a period of time prior to the fuel tank contamination spill, the City had been waiting for the remediation to be completed by the

litigation settlement before moving forward with any plans for development in the Basin. Since the settlement agreement for the contamination was finalized in June 2016, the City has resumed its plans for development of the aquifer for municipal supply.

The basin is currently classified as a low priority on DWR's Basin Priority List. The City, in coordination with the USGS, installed a monitoring well in 2004. Following this installation, the City installed several additional monitoring wells in 2011 to gather hydrogeological and water quality data.

San Diego Valley Basin (also known as Santee / El Monte Basin)
The City has been producing groundwater from the San Diego River Valley Basin, which is located in the upper reach of the San Diego River. The City's existing San Vicente Production Well was constructed in 2004 and pumps a maximum of 600 gallons per minute. The well conveys groundwater directly to the City's existing raw water line and ultimately to the City's Alvarado Treatment Plant. The City is evaluating the expansion of groundwater facilities near the San Vicente Production Well, in addition to a well downstream of El Capitan Reservoir.

Similar to the San Pasqual Valley Basin, the City is the approved Monitoring Entity for the DWR's CASGEM program for the San Diego River Valley Basin. In July 2015, a Memorandum of Understanding establishing a Voluntary Cooperative Groundwater Monitoring Association was executed with Padre Dam Municipal Water District, Lakeside Water District, and Helix Water District. On file with DWR is an approved San Diego River Valley Basin monitoring plan.

Coastal Plain of San Diego (formerly known as the San Diego Formation)
The Coastal Plain of San Diego is a groundwater basin covering much of National City and the City of Chula Vista in the southern portion of San Diego County. The Coastal Plain of San Diego is a confined groundwater basin that underlies the Otay Valley Basin, Sweetwater Valley Basin, and Tijuana Basin as identified by DWR in Bulletin 118. The City desires to use the Coastal Plain of San Diego for groundwater municipal supply and seeks to manage the safe yield of the groundwater system in a prudent and efficient manner.

The City has been investigating the Coastal Plain of San Diego for many years to gain a better understanding of the Basin and its possibilities. The City has been better able to characterize the water quality and quantity in the Coastal Plain of San Diego through aquifer testing and monitoring well installation that has occurred since 2007. In addition, the City has been working with the USGS to develop an integrated and comprehensive understanding of the geology and hydrology of the Coastal Plain of San Diego, and to use this understanding to evaluate a sustainable, long-term environmentally sound use of the basin for municipal supply.

In 2013, Sweetwater Authority reached an agreement with the City to share potable water from the Richard A. Reynolds Desalination Facility, after its expansion, and jointly fund the project. The Expansion Project, completed in June 2017, increased the capacity of the brackish groundwater desalination facility from 3,600 AFY to 8,800 AFY. Under the terms of this agreement, the City receives 50 percent of any water produced over 3,600 AFY at the facility. Beginning in 2020, the projected volume will be approximately 2,600 AFY. Even with the projected supply reaching 2,600 AFY, the City is assumed to average 1,900 AFY. Sweetwater Authority is responsible for owning, and operating the brackish groundwater desalination facility.

Section 6 - Projected Demands

Approximately every three (3) years the PUD calculates projected water demands within its service area for planning purposes. A computer model is used (IWR-MAIN) to break down water-use by four (4) major sectors: commercial, industrial, residential and public uses. Using past water-use data from the PUD and demographic data provided by SANDAG land use, the model is able to correlate the data to determine sector water demands. Using this correlated data, forecasted demographic data is used to project water demands. The model also accounts for water conservation, weather and water rate changes.

In addition to the PUD, the Water Authority and MWD use regional growth forecasts to calculate projected water demands within their respective service areas. This provides for consistency between the retail and wholesale agencies projected water demands, thereby ensuring that adequate supplies are being planned for the PUD's existing and future water users. The SANDAG forecasts are based on adopted community plan land use, but not citywide zoning. SANDAG forecasts the number of residents, dwelling units, and employees in an area, but not square footage, hotel rooms, or visitors (non-residents or non-employees). For urban areas the smallest forecast geography is typically at the block level, but the forecast geography can be larger for suburban and less developed areas. SANDAG typically updates the regional growth forecast every three (3) to four (4) years.

The PUD water demand projections, based on the SANDAG Series 13 Forecast land use, are incorporated in the City's 2015 UWMP, which is updated every five (5) years. The 2015 UWMP was completed and adopted in June 2016. The time extension was mandated by Assembly Bill 2067 and implemented by DWR.

The projections with the City's 2015 UWMP were forwarded to the Water Authority for use in the preparation of the Water Authority's UWMP, which is subsequently incorporated into MWD's UWMP to calculate the ultimate water demands of the region (**Figure 6-1**).

Recently, water demands for the City have been greatly suppressed due to mandatory water use restrictions and public education that were put in place by the City as a result of the current statewide mandate for conservation in response to emergency drought conditions. Because of these suppressed demands, the City developed near-term water demand projections for its 2015 Cost of Service Study, which was needed to set water rates through 2020.

A method was developed to bridge the gap between the short-term water demand projections and long-term water demand forecast. This method assumes that once mandatory water use restrictions are lifted, water demands would return to pre-drought (2008) levels within fifteen (15) years. In past droughts, it took 5 to 7 years for water demands to return to pre-drought levels; but because of the severity of the current drought it was assumed that it will take longer for the bounce back in water demands to occur.

The demands from the 2015 UWMP are used throughout this Report. The historical and projected water demands for a normal year are shown in **Table 6-1.**

As part of the requirement for complying with SB 610, Table 6-7 and Table 6-8, show the single-dry year and consecutive multiple-dry year demands. All tables in this section are based on data from the 2015 UWMP.

FIGURE 6-1
WATER DEMAND PROJECTIONS

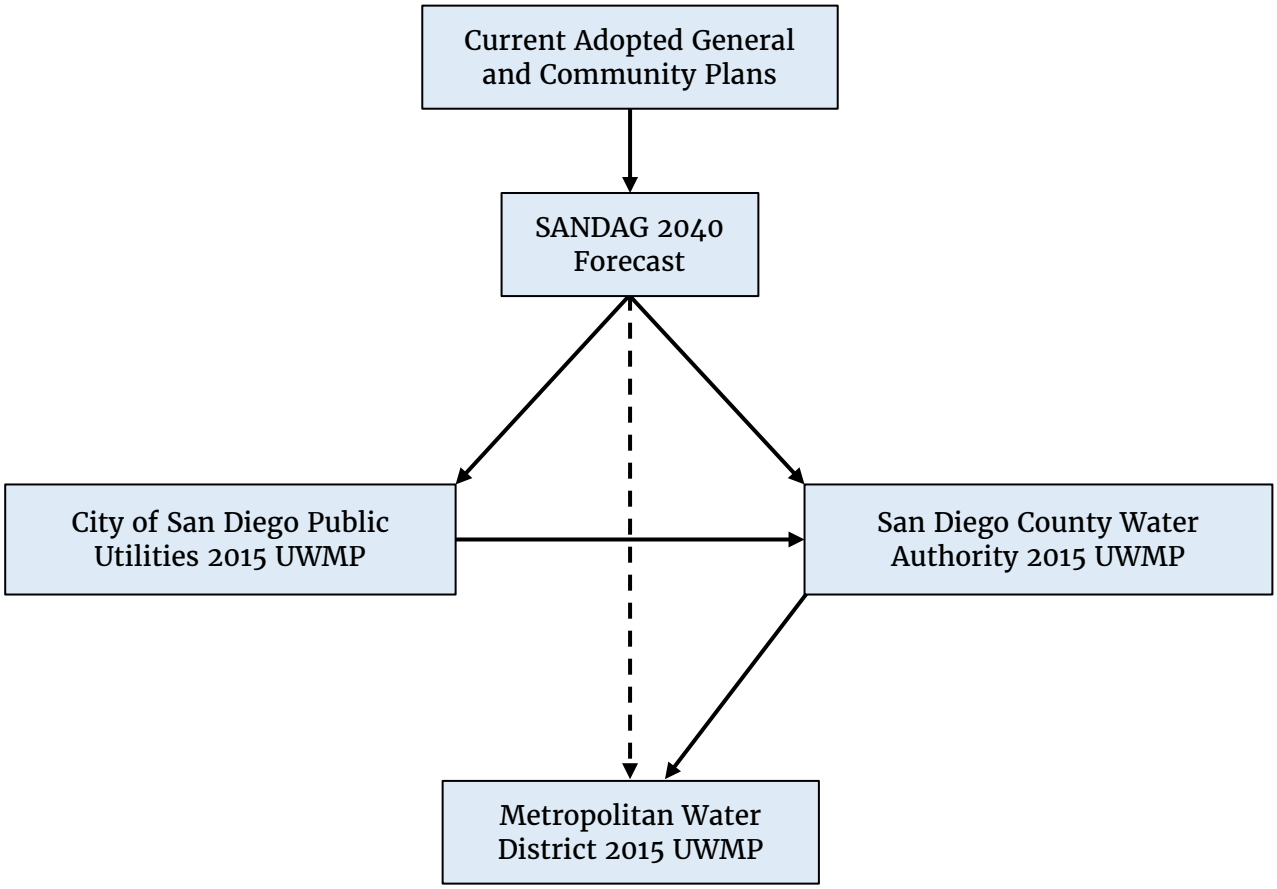


TABLE 6-1
PAST, CURRENT, AND PROJECTED WATER DELIVERIES

Sector	Type of Use	Treatment Level	Water Use (AFY)			
			2010		2015	
			Meters	Use	Meters	Use
Single-Family Residential	Indoor and outdoor uses	Drinking Water	219,555	67,267	224,162	60,573
Multifamily Residential	Indoor and outdoor uses	Drinking Water	28,992	40,124	30,471	37,799
CII	Indoor and outdoor uses	Drinking Water	15,539	46,350	17,064	46,072
Irrigation	Landscape irrigation	Drinking Water	7,359	23,537	7,679	22,668
Other	Dust mitigation, cleaning	Drinking Water	214	89	464	0
Subtotal of Retail Area			**271,659**	**177,367**	**279,840**	**167,112**

Sector	Water Use (AFY)				
	2020	2025	2030	2035	2040
Single-family Residential	62,638	80,762	86,340	87,932	87,180
Multifamily Residential	56,766	73,191	90,080	95,841	95,786
CII	48,936	48,238	47,542	47,755	48,014
Sub-Total (Retail Area)	**168,340**	**202,191**	**223,962**	**231,528**	**230,980**

Note: The billing categories shown in the 2020 to 2040 water deliveries do not include the irrigation category that was shown in the 2010 and 2015 water deliveries as that water use was distributed among the multifamily (to account for irrigation of common association property) and CII sectors.

Source: 2020 to 2030 is extrapolation from 2015 Cost of Service Study; 2030 and after is from City's Update of Long-Term Water Demand Forecast, July 2015

Table 6-2 Summarizes the current and planned water sources the City is relying on to meet future demands.

TABLE 6-2
PLANNED WATER SUPPLY SOURCES

Basin	Average Year Water Supply (AFY)					
	2015*	2020	2025	2030	2035	2040
Verifiable Supply (Existing and Planned)						
Surface Water	6,279	22,900	22,800	22,700	22,600	22,500
Groundwater	500	3,100	3,100	3,100	3,100	3,100
Recycled Water (non-potable)	8,195	13,650	13,650	13,650	13,650	13,650
Total Verifiable Local Water Supplies	**14,974**	**39,650**	**39,550**	**39,450**	**39,350**	**39,250**
SDCWA Water Purchases with Verifiable Regional Water Supplies	**173,754**	**161,334**	**202,488**	**225,390**	**234,398**	**234,158**
Total Verifiable Water Supplies	**198,957**	**200,984**	**242,038**	**264,840**	**273,748**	**273,408**

*2015 represents actual supplies under very dry hydrologic conditions – resulting in very low surface water supplies.

6.1 Water Sales to Other Agencies

Potable Water

The City, through past agreements, sells treated water to the California American Water Company (Cal-Am), which provides water service to the cities of Coronado and Imperial Beach, and Naval Air Station North Island. The population of Naval Station North Island is located within the City of Coronado, whereas the other military bases that the City serves are within the City. The City also sells untreated water to Santa Fe Irrigation District and San Dieguito Water District. **Table 6-3** presents the water sales to other agencies.

Per the agreement between the City and Cal-Am, only local surface water is sold to Cal-Am to provide water to supply Cal-Am customers. A portion of City residents in the South Bay area are also served by Cal-Am, and can be served by imported water as well. Per the agreement between the City and the City of Del Mar, the City takes deliveries of water, which the City of Del Mar purchases from the Water Authority, through the Second Aqueduct Connection at Miramar. This water is then treated at the City's Miramar WTP and transported to the City of Del Mar through several interconnections.

The City has agreements to provide surplus treated water to Otay Water District, and untreated exchange water to Ramona Municipal Water District. These water deliveries occur infrequently and for short periods of time, and are therefore not shown in **Table 6-3**.

TABLE 6-3
SALES TO OTHER AGENCIES-POTABLE

Sector	Water Use (AFY)					
	2015	2020	2025	2030	2035	2040
Wholesale Water Sales	10,229	12,200	14,106	15,453	15,759	15,821

Source: 2020 to 2030 is extrapolation from 2015 Cost of Service Study; 2030 and after is from City's Update of Long- Term Water Demand Forecast, July 2015

Recycled and Non-Revenue Water

The City has three (3) separate agreements to sell recycled water. Olivenhain Municipal Water District and the City of Poway are provided recycled water from the City's North City Water Reclamation Plant, while Otay Water District receives recycled water from the City's South Bay Water Reclamation Plant.

Non-Revenue Water (NRW) is the difference between the potable water supplied to the system (also known as potable water production), and the potable water sold to customers (also known as metered water deliveries). NRW typically includes legitimate uses that are not metered, such as street cleaning, line flushing and fire suppression, as well as unaccounted for water. Unaccounted for water can be attributed to unauthorized consumption, meter inaccuracies, data errors, leakage on mains, leakage and overflow at storage, and leakage at service connections. Typically, NRW is presented as a percentage of total potable water production. Historically, the City reported 4.3 percent of NRW in the 2005 UWMP, and 9.0 percent of NRW in the 2010 UWMP. Non-Revenue Water for 2015 was determined to be 7.4 percent (estimated at 13,421 AFY), based on the American Water Works Association's Water Audit Software, as required by the 2015 UWMP.

TABLE 6-4
ADDITIONAL WATER USES AND LOSSES

Use	Water Use (AFY)						
	2010	2015	2020	2025	2030	2035	2040
Non-Revenue Water	12,593	13,421	15,700	18,809	18,020	18,613	18,576
Recycled Water[1]	7,951	8,195	13,650	13,650	13,650	13,650	13,650

1. Excludes wholesale recycled water that City provides outside of its service area.

Table 6-5 is a summary of and displays City's past water use/demand from 2010 and 2015 with projected water use/demand shown for 2020 thru 2040.

TABLE 6-5
TOTAL WATER-USE

Use	Water Demand (AFY)						
	2010	2015	2020	2025	2030	2035	2040
Retail Potable Water Sales	177,368	167,112	168,340	202,191	223,962	231,528	230,980
Wholesale Potable Water Sales	11,493	10,229	12,200	14,106	15,453	15,759	15,821
Non-Revenue Water	12,593	13,421	15,700	18,809	18,020	18,613	18,576
Sub-Total (Potable)	**201,454**	**190,762**	**196,240**	**235,106**	**257,435**	**265,900**	**265,377**
Recycled Water (Non-Potable)	7,951	8,195	13,650	13,650	13,650	13,650	13,650
Total Demand	**209,405**	**198,957**	**209,890**	**248,756**	**271,085**	**279,550**	**279,027**

The analysis in **Table 6-6** compares the projected normal water supply and customer demands from 2010 to 2040, in five-year increments.

TABLE 6-6
PROJECTED NORMAL SUPPLY AND DEMAND COMPARISON

Normal Year Demands/Supplies	Demand and Supplies (AFY)				
	2020	2025	2030	2035	2040
Water Demand (with wholesale and conservation)	**200,984**	**242,038**	**264,840**	**273,748**	**273,408**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	22,900	22,800	22,700	22,600	22,500
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**39,650**	**39,550**	**39,450**	**39,350**	**39,250**
Water Supply from SDCWA (purchased water)	161,334	202,488	225,390	234,398	234,158
Total City Water Supplies	**200,984**	**242,038**	**264,840**	**273,748**	**273,408**
Estimated Water Shortages	0	0	0	0	0

6.2 Projected Single-dry Year Water Supply and Demand

Table 6-7 provides a comparison of a single-dry year water supply with projected total water demand over the next 25 years, in five (5)-year increments. The City's demands in single-dry years are projected to be higher similar in proportion to the increase in regional water demands projected in the Water Authority's 2015 UWMP. An increase in demand for landscape irrigation accounts for most of the increase in demands. It is assumed that recycled water demands would not increase in single-dry years. The wholesale water supplies from the Water Authority are assumed to increase to meet the difference between the City's increased water demands and reduced local water supplies.

TABLE 6-7
PROJECTED SINGLE-DRY YEAR SUPPLY AND DEMAND COMPARISON

Single-Dry Year (1990) Demands/Supplies	Demand and Supplies (AFY)				
	2020	2025	2030	2035	2040
Water Demand (with wholesale and conservation)	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	16,657	16,584	16,512	16,439	16,366
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**33,407**	**33,334**	**33,262**	**33,189**	**33,116**
Water Supply from SDCWA (purchased water)	179,754	223,549	247,906	257,466	257,176
Total City Water Supplies	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Estimated Water Shortages	0	0	0	0	0

6.3 Projected Multiple-dry Year Water Supply and Demand

Table 6-8 compares the total water supply available in multiple-dry water years with projected total water demand over the next 25 years. The City's demands in multiple-dry years are projected to be higher, similar in proportion to the increase in regional water demands projected in Water Authority's 2015 UWMP. It is presumed that recycled water demands would not increase in multiple-dry years. The wholesale water supplies from Water Authority are assumed to increase to meet the difference between the City's increased water demands and reduced local water supplies. Multiple-dry year scenarios represent hot, dry weather periods which may generate urban water demands that are greater than normal.

No extraordinary conservation measures are reflected in the demand projections. The recycled water supplies are assumed to experience no reduction in a dry year.

TABLE 6-8
PROJECTED SUPPLY AND DEMAND COMPARISON DURING MULTIPLE DRY YEAR PERIOD ENDING IN 2040

Dry Year 1 (1990) Demands/Supplies	Demand and Supplies (AFY)				
	2020	2025	2030	2035	2040
Water Demand (with wholesale and conservation)	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	16,657	16,584	16,512	16,439	16,366
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**33,407**	**33,334**	**33,262**	**33,189**	**33,116**
Water Supply from SDCWA (purchased water)	179,754	223,549	247,906	257,466	257,176
Total City Water Supplies	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Estimated Water Shortages	0	0	0	0	0
Dry Year 2 (1991) Demands/Supplies	**Demand and Supplies (AFY)**				
	2020	**2025**	**2030**	**2035**	**2040**
Water Demand (with wholesale and conservation)	**200,610**	**241,581**	**264,338**	**273,228**	**272,888**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	16,233	16,162	16,091	16,020	15,949
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**32,983**	**32,912**	**32,841**	**32,770**	**32,699**
Water Supply from SDCWA (purchased water)	167,627	208,669	231,469	240,457	240,189
Total City Water Supplies	**200,610**	**241,581**	**264,338**	**273,228**	**272,888**
Estimated Water Shortages	0	0	0	0	0
Dry Year 3 (1992) Demands/Supplies	**Demand and Supplies (AFY)**				
	2020	**2025**	**2030**	**2035**	**2040**
Water Demand (with wholesale and conservation)	**208,665**	**251,402**	**275,139**	**284,412**	**284,058**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	18,962	18,879	18,796	18,714	18,631
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**35,712**	**35,629**	**35,546**	**35,464**	**35,381**
Water Supply from SDCWA (purchased water)	175,953	215,773	239,592	248,948	248,677
Total City Water Supplies	**208,665**	**251,402**	**275,139**	**284,412**	**284,058**
Estimated Water Shortages	0	0	0	0	0

Section 7 - Conclusion - Availability of Sufficient Supplies

The Project is consistent with water demand assumptions in the regional water resource planning documents of the City, the Water Authority and MWD. The PUD receives the majority of its water supply from MWD through the Water Authority. In addition, MWD and the Water Authority have developed water supply plans to improve reliability and reduce dependence upon existing imported supplies. MWD's Regional Urban Water Management Plan and Integrated Resources Plan, the Water Authority's 2015 UWMP and annual water supply report include projects that meet long-term supply needs through securing water from the State Water Project, Colorado River, local water supply development and recycled water.

The forecasted normal year water demands compared with projected supplies for the PUD are shown in **Table 7-1**. This demonstrates that with existing supplies and implementation of the projects discussed in the three agencies' planning documents there will be adequate water supplies to serve all anticipated growth (existing and future planned uses) and development.

TABLE 7-1
PROJECTED SUPPLY AND DEMAND COMPARISON – NORMAL YEAR

Normal Year Demands/Supplies	Demand and Supplies (AFY)				
	2020	2025	2030	2035	2040
Water Demand (with wholesale and conservation)	**200,984**	**242,038**	**264,840**	**273,748**	**273,408**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	22,900	22,800	22,700	22,600	22,500
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**39,650**	**39,550**	**39,450**	**39,350**	**39,250**
Water Supply from SDCWA (purchased water)	161,334	202,488	225,390	234,398	234,158
Total City Water Supplies	**200,984**	**242,038**	**264,840**	**273,748**	**273,408**
Estimated Water Shortages	0	0	0	0	0

Table 7-2 provides a comparison of a single-dry year water supply with projected total water use/demand over the next 25 years, in five (5)-year increments.

TABLE 7-2
PROJECTED SINGLE-DRY YEAR SUPPLY AND DEMAND COMPARISON

Single-Dry Year (1990)	Demand and Supplies (AFY)				
	2020	2025	2030	2035	2040
Water Demand (with wholesale and conservation)	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	16,657	16,584	16,512	16,439	16,366
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**33,407**	**33,334**	**33,262**	**33,189**	**33,116**
Water Supply from SDCWA (purchased water)	179,754	223,549	247,906	257,466	257,176
Total City Water Supplies	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Estimated Water Shortages	0	0	0	0	0

The multiple-dry year scenarios, within a 25-year projection, are shown in **Table 7-3**. This demonstrates that supplies will be adequate to meet all anticipated growth (existing and future planned uses) and development in multiple-dry year periods.

In summary, this Report demonstrates that there are sufficient water supplies over a 25-year planning horizon to meet the projected demands of the Project as well as the existing and other planned development projects within the PUD service area in normal, dry year, and multiple-dry year forecasts. This Project is proposing water demands which are included in the regional water resource planning documents of the City, the Water Authority, and MWD.

TABLE 7-3
PROJECTED SUPPLY AND DEMAND COMPARISON DURING MULTIPLE DRY YEAR PERIOD ENDING IN 2040

Dry Year 1 (1990) Demands/Supplies	Demand and Supplies (AFY)				
	2020	2025	2030	2035	2040
Water Demand (with wholesale and conservation)	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	16,657	16,584	16,512	16,439	16,366
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**33,407**	**33,334**	**33,262**	**33,189**	**33,116**
Water Supply from SDCWA (purchased water)	179,754	223,549	247,906	257,466	257,176
Total City Water Supplies	**213,161**	**256,883**	**281,167**	**290,654**	**290,292**
Estimated Water Shortages	0	0	0	0	0
Dry Year 2 (1991) Demands/Supplies	**Demand and Supplies (AFY)**				
	2020	**2025**	**2030**	**2035**	**2040**
Water Demand (with wholesale and conservation)	**200,610**	**241,581**	**264,338**	**273,228**	**272,888**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	16,233	16,162	16,091	16,020	15,949
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**32,983**	**32,912**	**32,841**	**32,770**	**32,699**
Water Supply from SDCWA (purchased water)	167,627	208,669	231,469	240,457	240,189
Total City Water Supplies	**200,610**	**241,581**	**264,338**	**273,228**	**272,888**
Estimated Water Shortages	0	0	0	0	0
Dry Year 3 (1992) Demands/Supplies	**Demand and Supplies (AFY)**				
	2020	**2025**	**2030**	**2035**	**2040**
Water Demand (with wholesale and conservation)	**208,665**	**251,402**	**275,139**	**284,412**	**284,058**
Local Water Supplies					
Recycled Water (City service area only)	13,650	13,650	13,650	13,650	13,650
Local Surface Supply	18,962	18,879	18,796	18,714	18,631
Groundwater	3,100	3,100	3,100	3,100	3,100
Sub-Total Local Supplies	**35,712**	**35,629**	**35,546**	**35,464**	**35,381**
Water Supply from SDCWA (purchased water)	175,953	215,773	239,592	248,948	248,677
Total City Water Supplies	**208,665**	**251,402**	**275,139**	**284,412**	**284,058**
Estimated Water Shortages	0	0	0	0	0

Source Documents

California Department of Water Resources (DWR), Progress on Incorporating Climate Change into Management of California's Water Resources, July 2006 Report
California Climate Change Center, 2006 Biennial Report: Our Changing Climate: Assessing the Risks to California, 2006
California Department of Water Resources Guidebook for Implementation of Senate Bill 610 and Senate Bill 221 of 2001, March 2011
DSD Memorandum - Request for assessment and project description, February 2013
MWD 2010 Regional Urban Water Management Plan
MWD Report on Metropolitan's Water Supplies, A Blueprint for Water Reliability, March 2003
MWD Integrated Resources Plan Update, Oct 2010
Public Utilities Department 2015 Urban Water Management Plan
Public Utilities Department Annual 2012 Water Conservation Report
Public Utilities Department Recycled Water Study July 2012
Public Utilities Department Recycled Water Master Plan August 2011
Public Utilities Department Water Purification Demonstration Project Report
Water Authority 2010 Urban Water Management Plan
Water Authority Regional Water Facilities Master Plan, 2003
Water Department Long-Range Water Resources Plan (2002-2030), December 2002
Water Department The City of San Diego Subordinated Water Revenue Bonds, Series 2002, October 2002

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Appendix M: Request for the Preparation of a Water Supply Assessment

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THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: September 17, 2018

TO: George Adrian, Program Manager, Public Utilities Department

FROM: Elena Pascual, Assistant Planner, Planning Department

SUBJECT: Request for the preparation of a Water Supply Assessment for the Mission Valley Community Plan Update (IO #21004103)

This memo is an update to the previous Water Supply Assessment request dated December 11, 2017. The build out numbers for the Mission Valley Community Plan Update Project have been revised and the Planning Department requests that the Water Supply Assessment be updated to reflect this change.

The CEQA & Environmental Policy team from the Planning Department has made a determination that the above referenced project is required to complete a water supply assessment in conformance with Senate Bill (SB) 610. The determination of whether SB 610 and/or SB 221 apply was made by reviewing Water Code Section 10912 and Government Code Section 65867.5 in consultation with the Public Utilities Department. We would appreciate your department's review of the project regarding conformance with SB 610 and SB 221. The following information is provided to aid in the assessment process:

PROJECT DESCRIPTION

The project is a comprehensive update of the Mission Valley Community Plan, which was originally adopted in 1985 and has since undergone over 20 amendments. The updated Community Plan is anticipated to include policies and actions to foster a mixed-use, transit-oriented, and pedestrian-friendly Mission Valley community, promote additional housing to accommodate a diverse range of household sizes and incomes, enhance the San Diego River, and provide additional open spaces.

PROJECT LOCATION

The Community Plan Planning Area is generally bounded by Friars Road and the northern slopes of the valley on the north, the eastern banks of the San Diego River on the east, the southern slopes of the valley on the south, and I-5 on the west, encompassing an area of approximately five square miles. Mission Valley is bordered by several other community planning areas: Old Town San Diego, Uptown, Greater North Park, Normal Heights, Kensington-Talmadge, and College Area to the south; Navajo to the east; Tierrasanta, Kearny Mesa, Serra Mesa, and Linda Vista to the north; and Mission Bay Park to the west. As of 2012,

Mission Valley has approximately 12,649,873 square feet of commercial uses (retail and office) and 11,244 dwelling units.

FORECAST

The SANDAG Series 13 – 2050 Regional Forecast shows that by the year 2050 Mission Valley could have 20,734 total housing units. The SANDAG Series 13 Forecast represents the long-term development of the adopted community plan. The draft community plan is calculated to have a total build out of 39,157 housing units. This is a potential increase of 18,423 total housing units above the SANDAG 2050 forecasted amount. The draft community plan build out is a theoretical calculation of build out which could occur after 2050 rather than a forecasted amount. The draft community plan estimated build out assumes 1,717 fewer single-family homes and 20,140 additional multifamily units from the forecast at the year 2050. The draft community plan estimated build out assumes 1,688 fewer single-family homes from the forecast at the year 2040. The draft community plan build out assumes that the 1,688 units would be developed as multifamily units rather than single-family units.

The 2015 Urban Water Management Plan bases the projected demand for water on the SANDAG Series 13 Forecast for the year 2040. The SANDAG Series 13 Forecast indicates that Mission Valley could have 20,076 housing units by the year 2040 which is 658 fewer housing units than SANDAG is forecasting for the year 2050. The SANDAG forecasts takes economic trends in the market and demographic changes, which affects demand for housing for the region and the community together. The Forecast shows that by 2040 there is an adequate supply of housing to meet the demand without utilizing the full forecasted housing capacity. Thus, the theoretical draft community plan build out, which would add 18,423 additional housing units, would occur beyond the 2050 forecast. The utilization of the capacity could happen at 2050 or beyond. This is to say, if the additional supply of multifamily units was included into the forecast, it would not occur prior to 2040 since an increase in supply is not going to significantly affect the increase in demand for infill housing in an urban area.

The draft community plan build out estimates that Mission Valley will have 72,440 people living in an occupied housing unit at build out, which is 36,451 people more than the SANDAG Series 13 Forecast for the year 2050. The draft community plan build out used an assumption of a vacancy rate of 9.1 percent and a 1.91 persons per household for all structure types which is consistent with the SANDAG forecast.

The SANDAG Series 13 Forecast shows that Mission Valley could have 59,447 total employees by 2050. The draft community plan update build out is estimating 64,591 employees which is an increase of 5,144 employees above the 2050 Forecast. The SANDAG forecast indicates that Mission Valley could have 58,346 employees by the year 2040 which is 1,101 fewer employees than the SANDAG forecast for the year 2050. The Forecast shows that by 2040 there is an adequate supply of jobs to meet the demand without utilizing the forecasted employment at 2050. The utilization of the additional draft community plan update employment capacity could happen at 2050 or beyond.

	SANDAG Series 13 - 2050 Forecast			Draft Plan
	2012	2040	2050	Build out
Multifamily	10,163	18,388	19,017	39,157
Single Family	1,070	1,688	1,717	–
Mobile Homes	0	0	0	0
Total Housing Units	**11,233**	**20,076**	**20,734**	**39,157**
Household Population	**18,712**	**35,034**	**35,989**	**72,440**
Employees	**45,197**	**58,346**	**59,447**	**64,591**

Please do not hesitate to contact me directly at (619) 533-5928 or at EPascual@sandiego.gov should you need any additional information and/or have questions.

Sincerely,

Elena Pascual
Assistant Planner

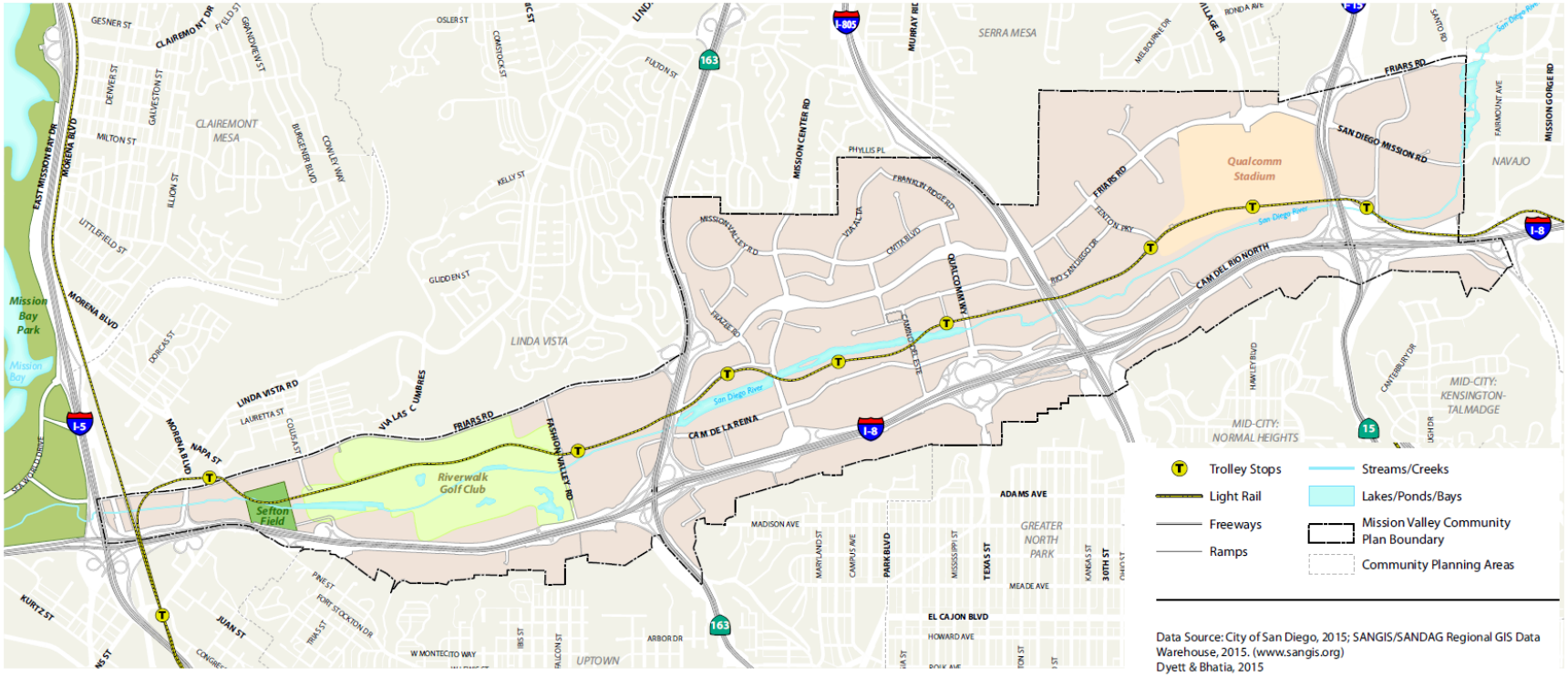
EP/RM/TG

Attachment:
A. Mission Valley Community Plan Boundary Map
B. Mission Valley Regional Location Map

cc: Rebecca Malone, Senior Planner, Planning Department
Brian Schoenfisch, Program Manager, Planning Department
Tait Galloway, Program Manager, Planning Department
Nancy Graham, Senior Planner, Planning Department
Melissa Garcia, Senior Planner, Planning Department
Khuram Shah, Associate Engineer, Public Utilities Department

Attachment A

Mission Valley Community Plan Boundary Map



Attachment B

Mission Valley Regional Location Map



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